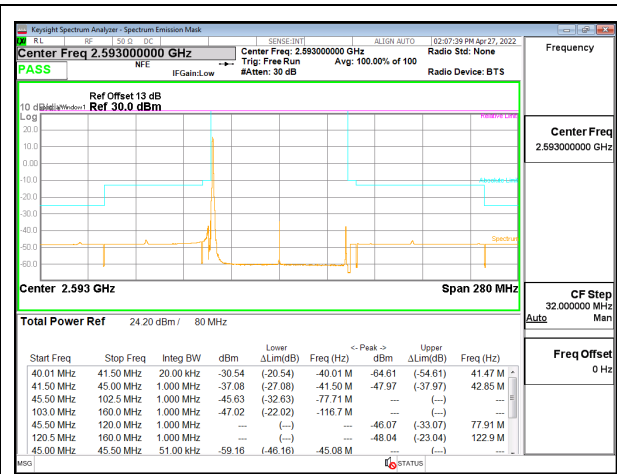
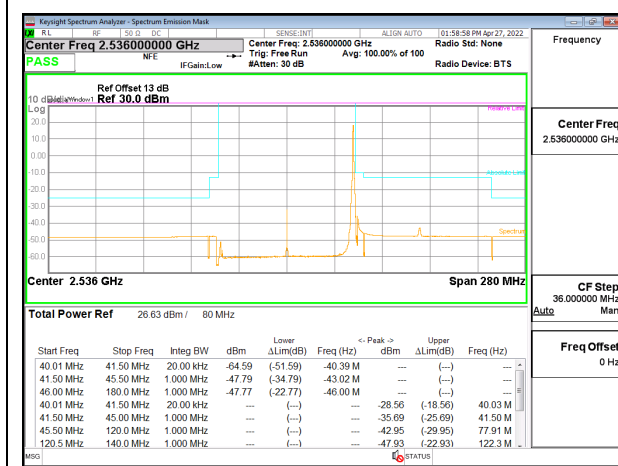


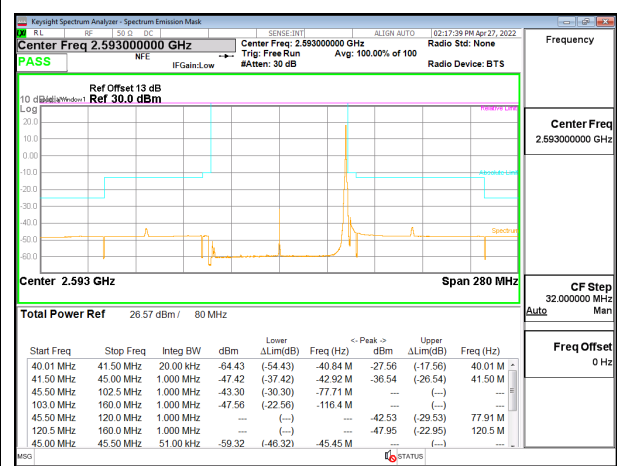
5G NR n41 80MHz BPSK Low Channel RB1-0



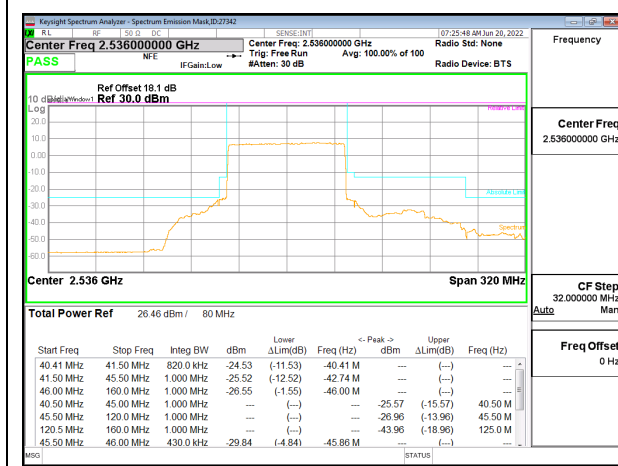
5G NR n41 80MHz BPSK Middle Channel RB1-0



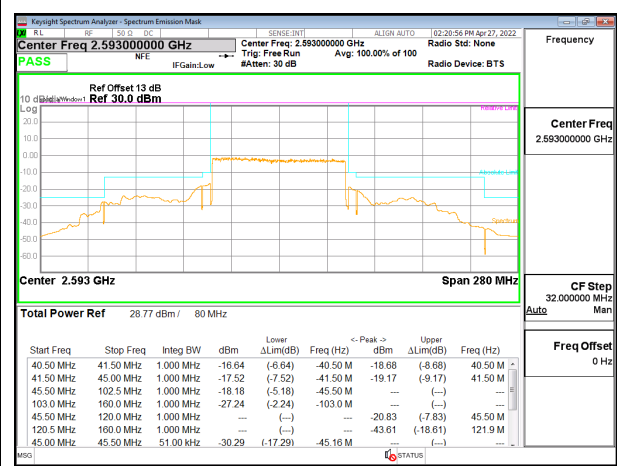
5G NR n41 80MHz BPSK Low Channel RB1-216



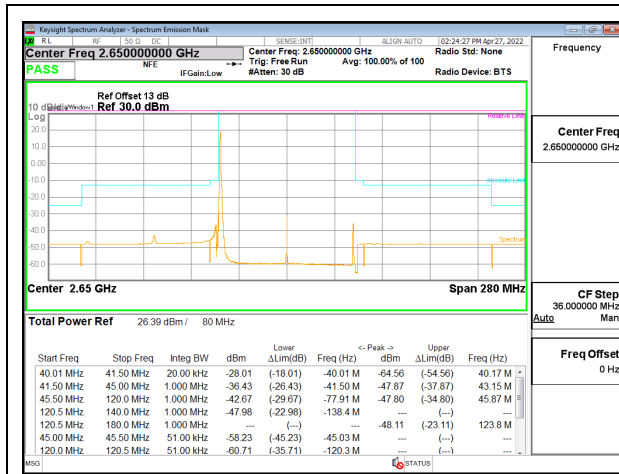
5G NR n41 80MHz BPSK Middle Channel RB1-216



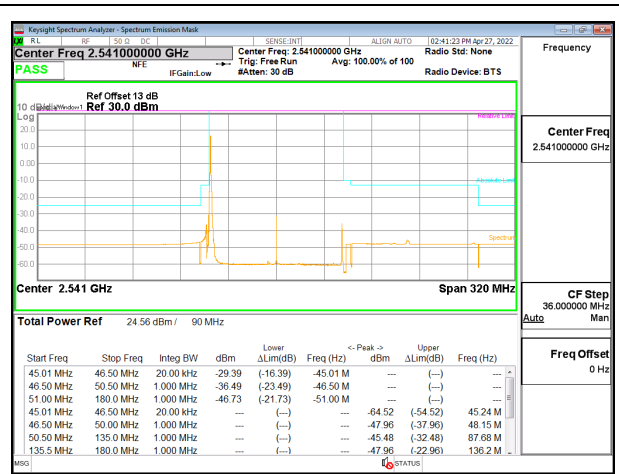
5G NR n41 80MHz BPSK Low Channel RB216-0



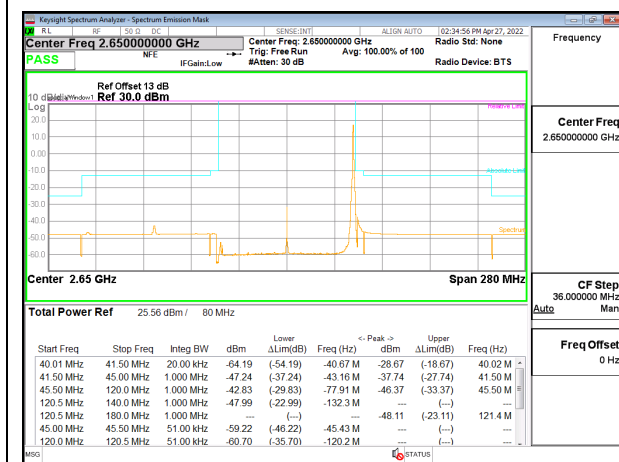
5G NR n41 80MHz BPSK Middle Channel RB216-0



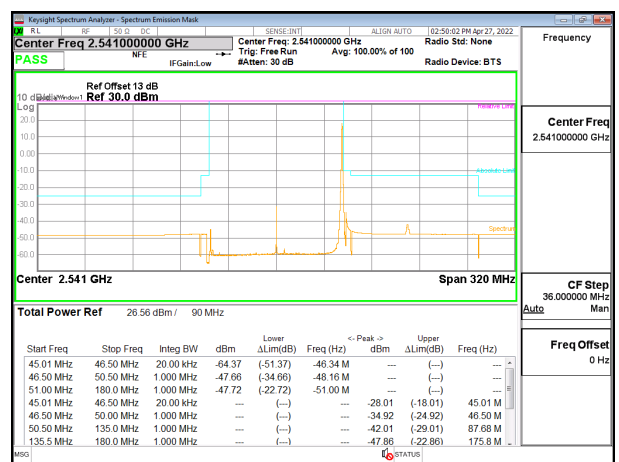
5G NR n41 80MHz BPSK High Channel RB1-0



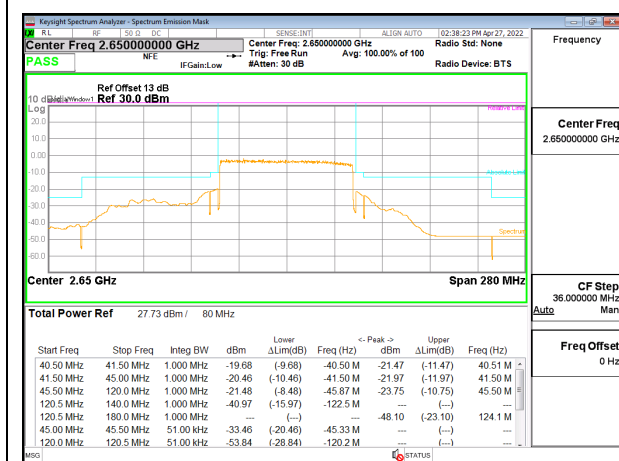
5G NR n41 90MHz BPSK Low Channel RB1-0



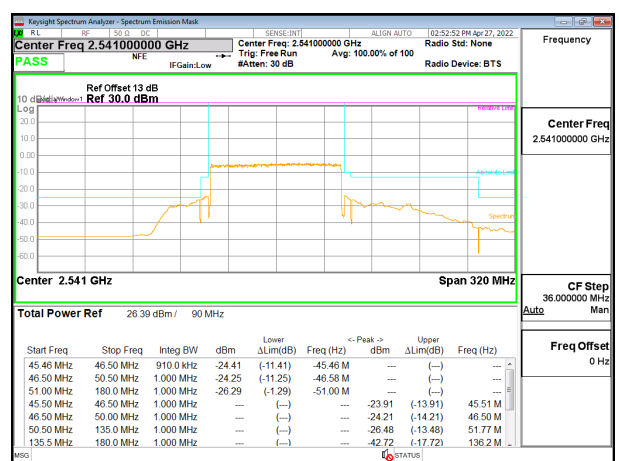
5G NR n41 80MHz BPSK High Channel RB1-216



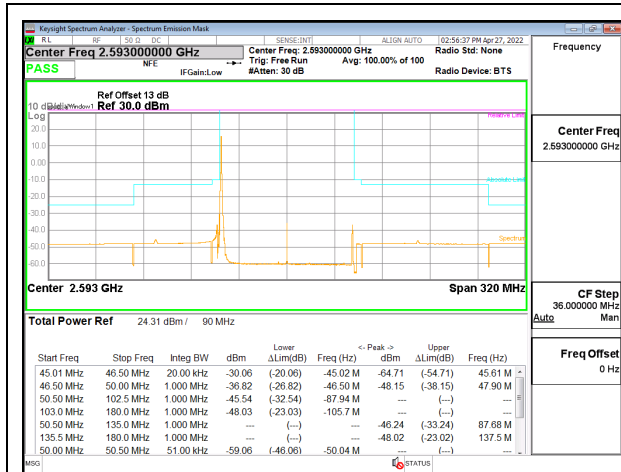
5G NR n41 90MHz BPSK Low Channel RB1-244



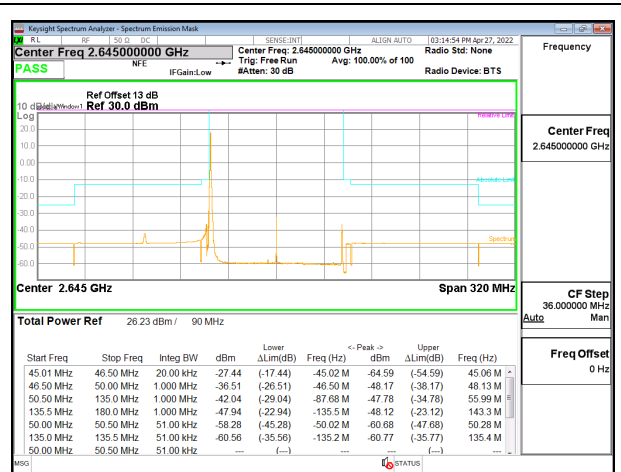
5G NR n41 80MHz BPSK High Channel RB216-0



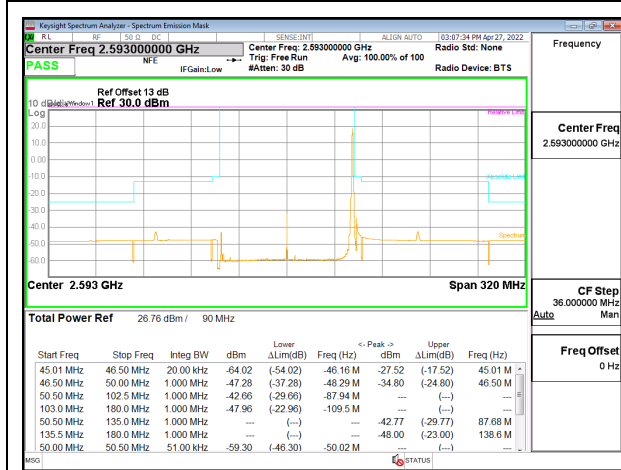
5G NR n41 90MHz BPSK Low Channel RB243-0



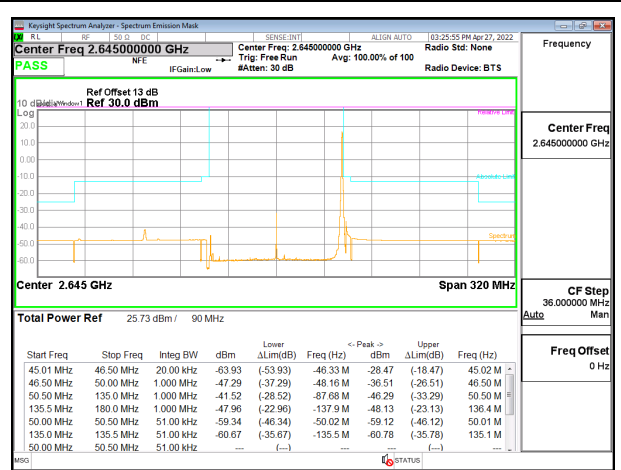
5G NR n41 90MHz BPSK Middle Channel RB1-0



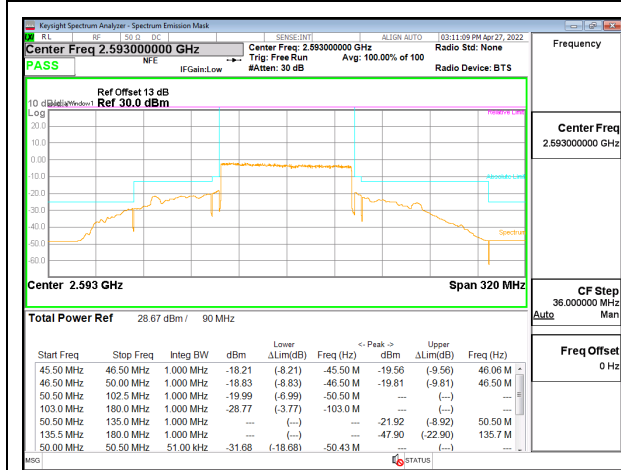
5G NR n41 90MHz BPSK High Channel RB1-0



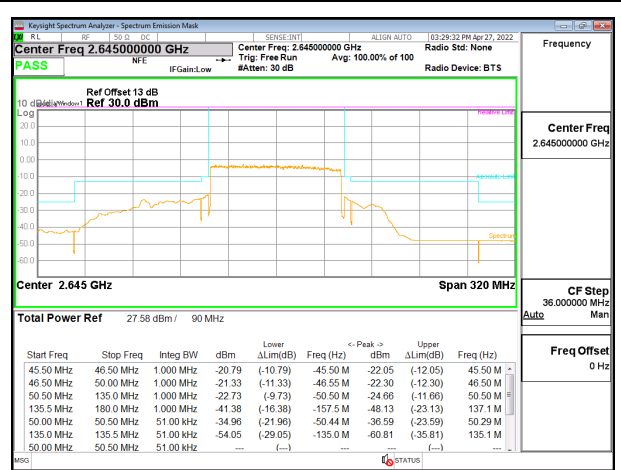
5G NR n41 90MHz BPSK Middle Channel RB1-244



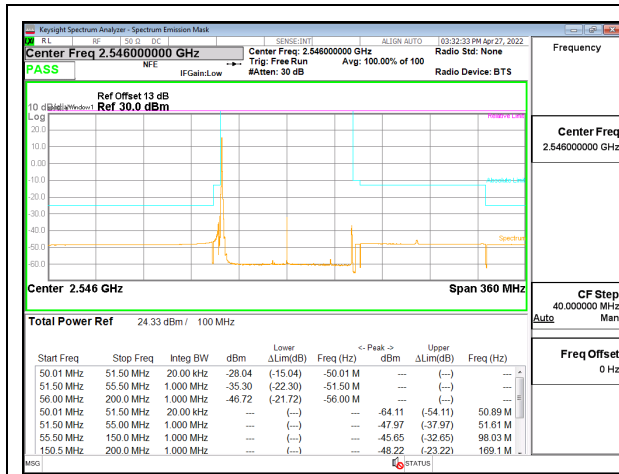
5G NR n41 90MHz BPSK High Channel RB1-244



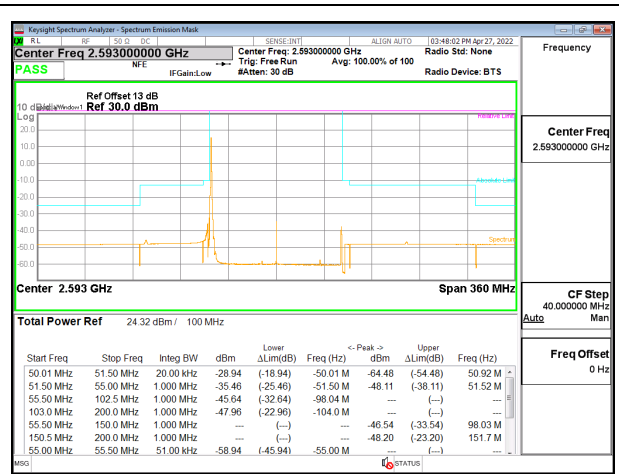
5G NR n41 90MHz BPSK Middle Channel RB243-0



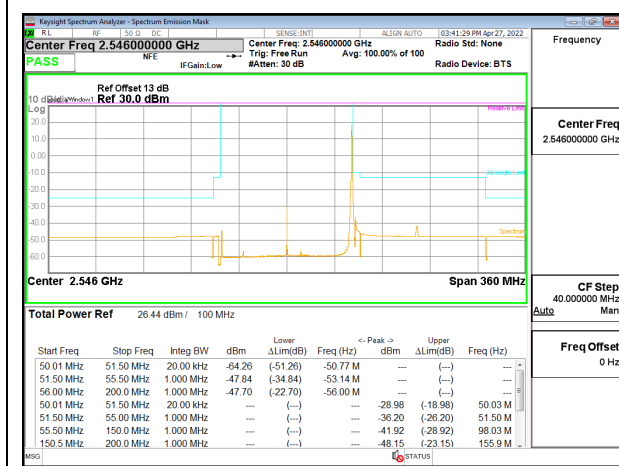
5G NR n41 90MHz BPSK High Channel RB243-0



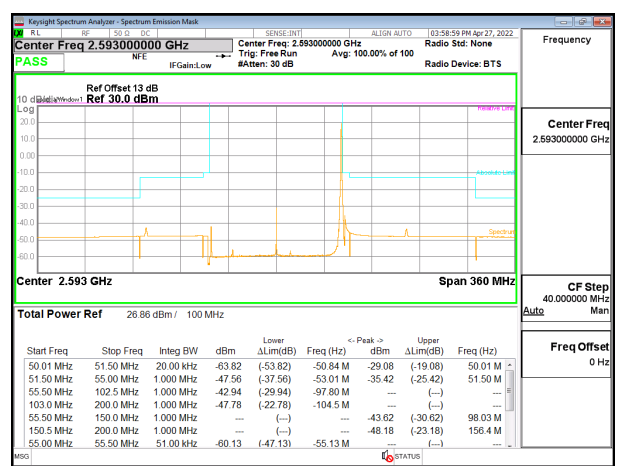
5G NR n41 100MHz BPSK Low Channel RB1-0



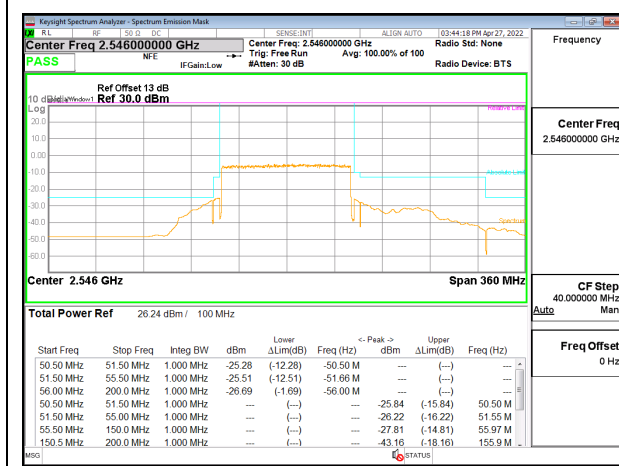
5G NR n41 100MHz BPSK Middle Channel RB1-0



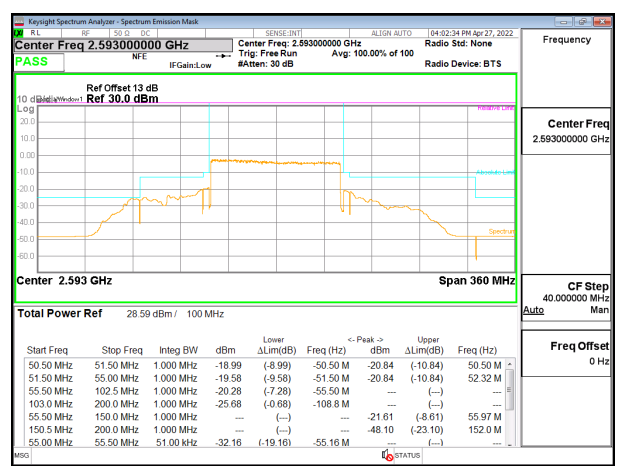
5G NR n41 100MHz BPSK Low Channel RB1-272



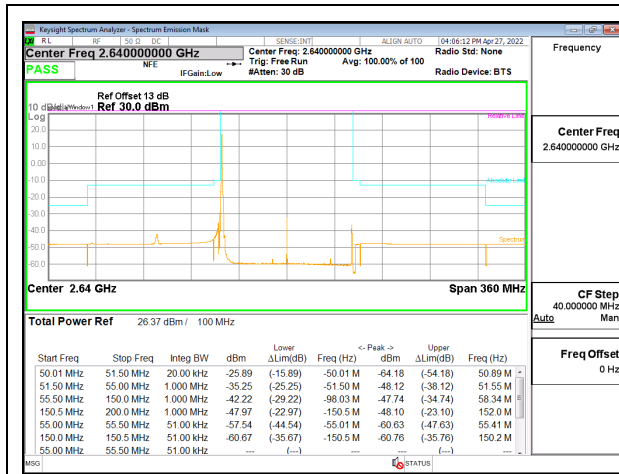
5G NR n41 100MHz BPSK Middle Channel RB1-272



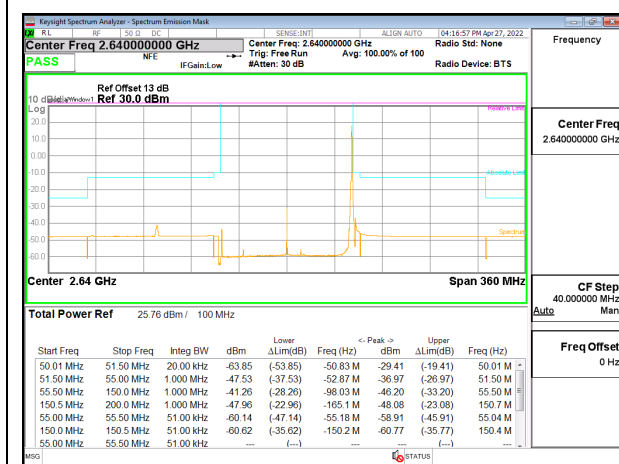
5G NR n41 100MHz BPSK Low Channel RB270-0



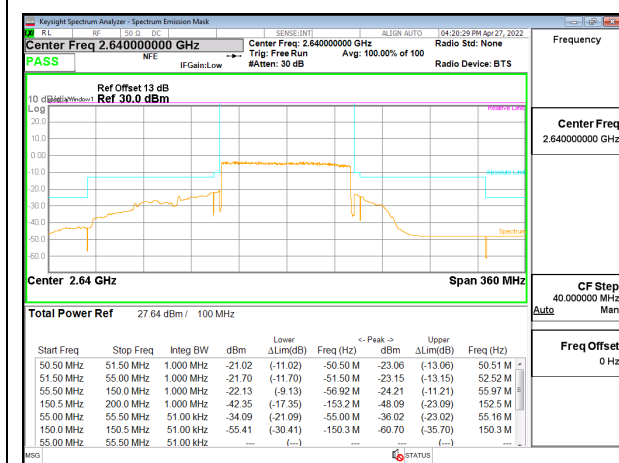
5G NR n41 100MHz BPSK Middle Channel RB270-0



5G NR n41 100MHz BPSK High Channel RB1-0



5G NR n41 100MHz BPSK High Channel RB1-272



5G NR n41 100MHz BPSK High Channel RB270-0

9.2.11. LTE BAND 48 EMISSION MASK AND ADJACENT CHANNEL POWER

LIMITS

FCC: §96.41

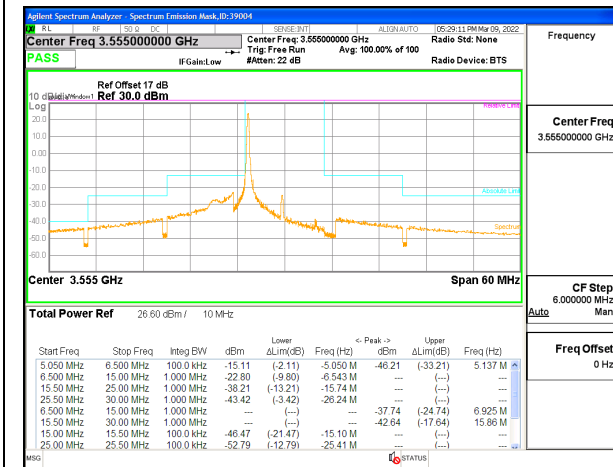
(e) 3.5 GHz Emissions and Interference Limits—

(1) General protection levels

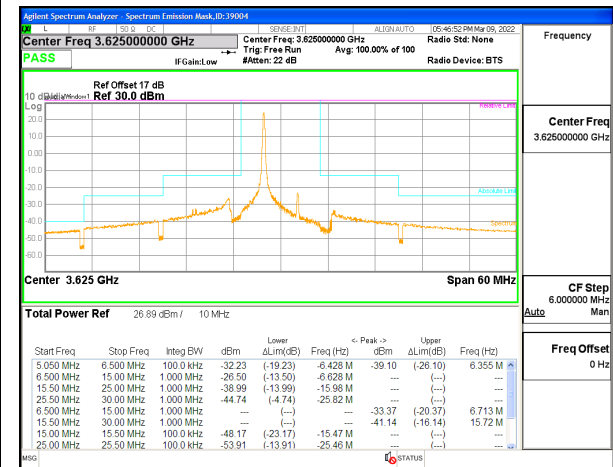
(ii) Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

(2) Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

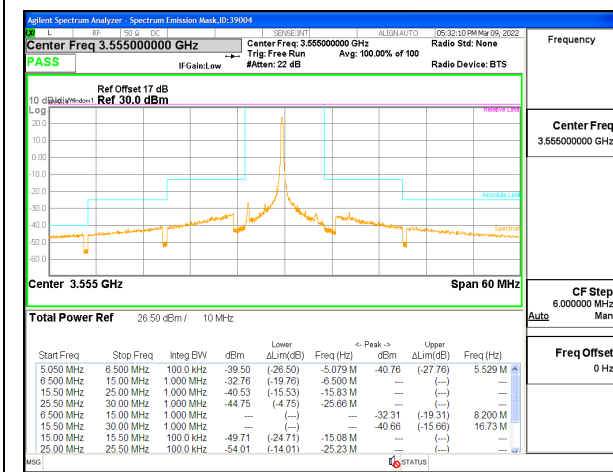
LTE BAND 48 (FCC) EMISSION MASK



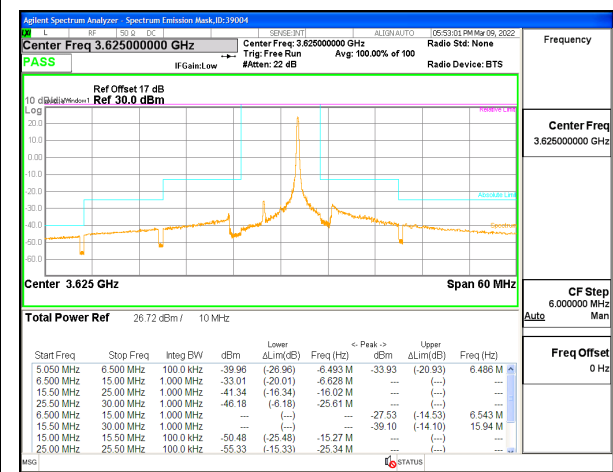
LTE B48 5MHz QPSK Low Channel RB1-0



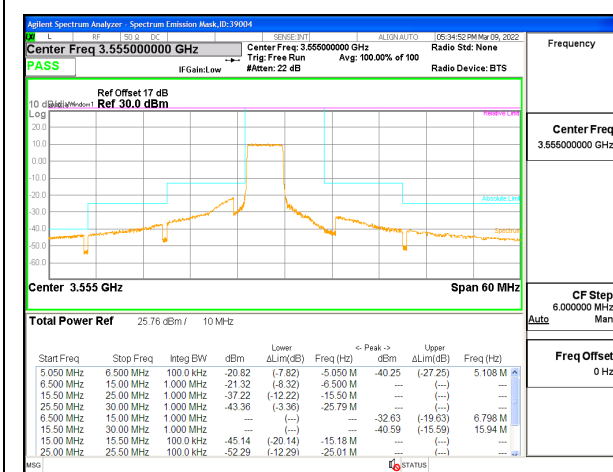
LTE B48 5MHz QPSK Middle Channel RB1-0



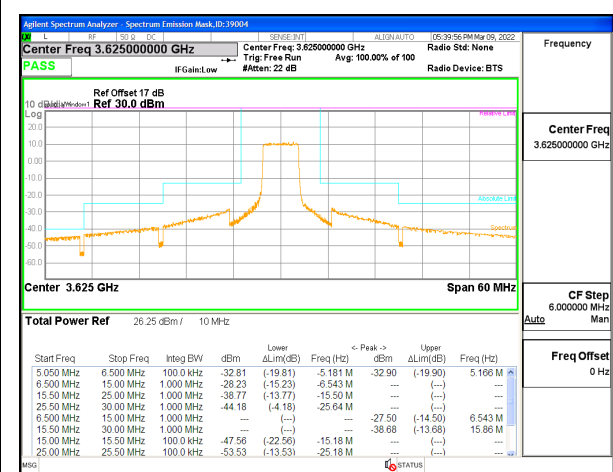
LTE B48 5MHz QPSK Low Channel RB1-24



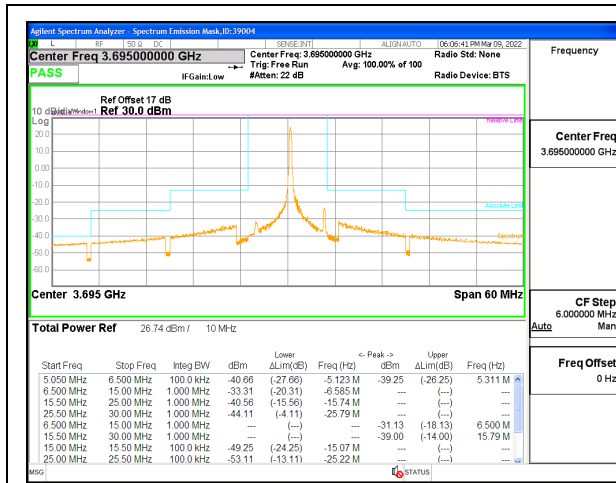
LTE B48 5MHz QPSK Middle Channel RB1-24



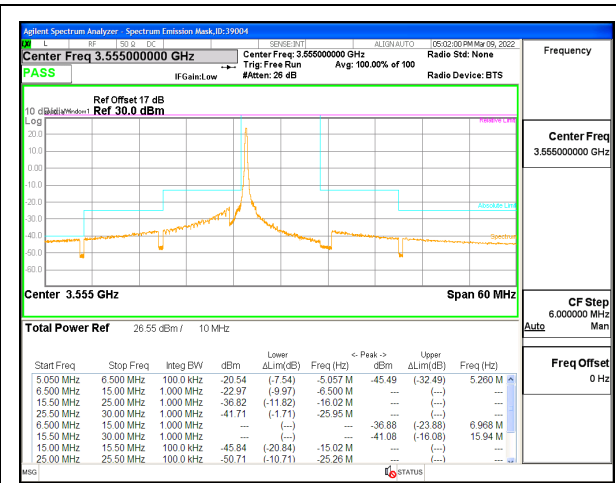
LTE B48 5MHz QPSK Low Channel RB25-0



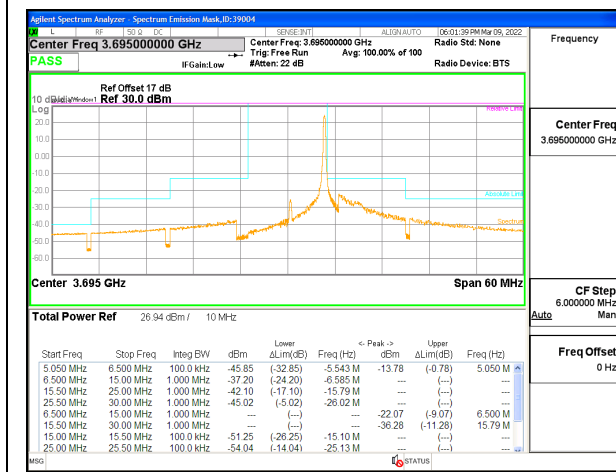
LTE B48 5MHz QPSK Middle Channel RB25-0



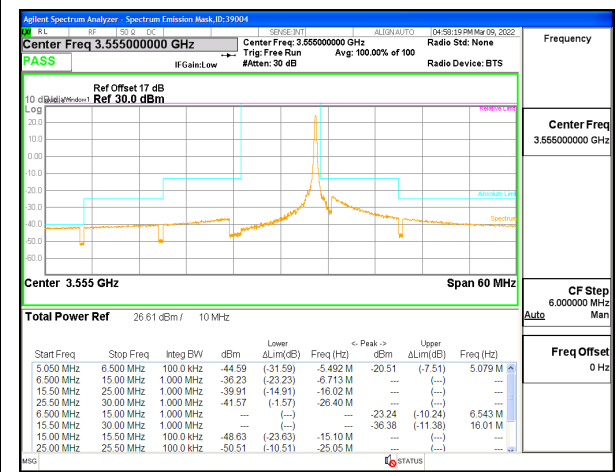
LTE B48 5MHz QPSK High Channel RB1-0



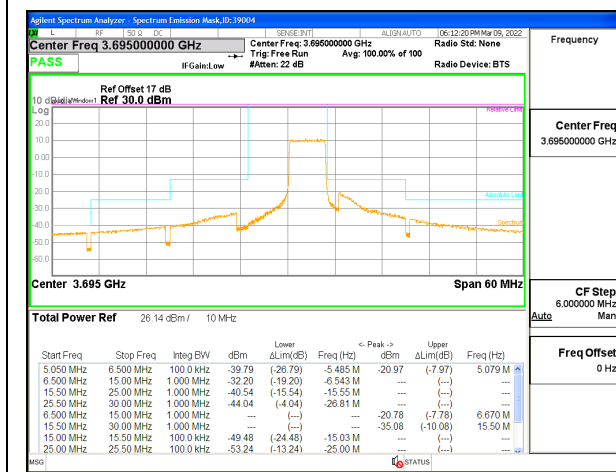
LTE B48 10MHz QPSK Low Channel RB1-0



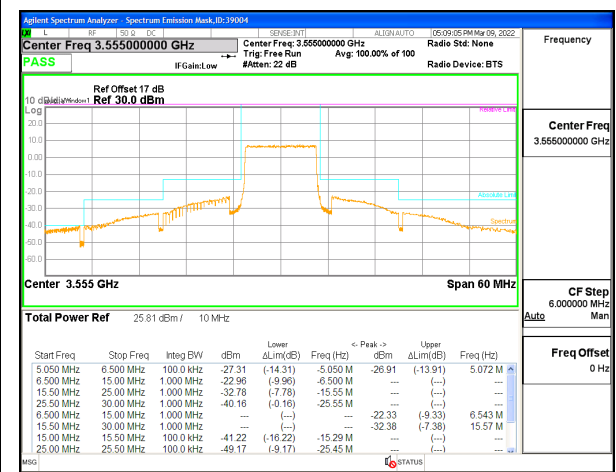
LTE B48 5MHz QPSK High Channel RB1-24



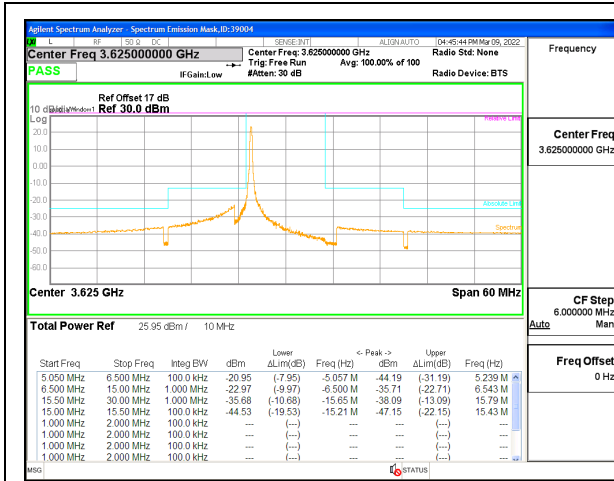
LTE B48 10MHz QPSK Low Channel RB1-49



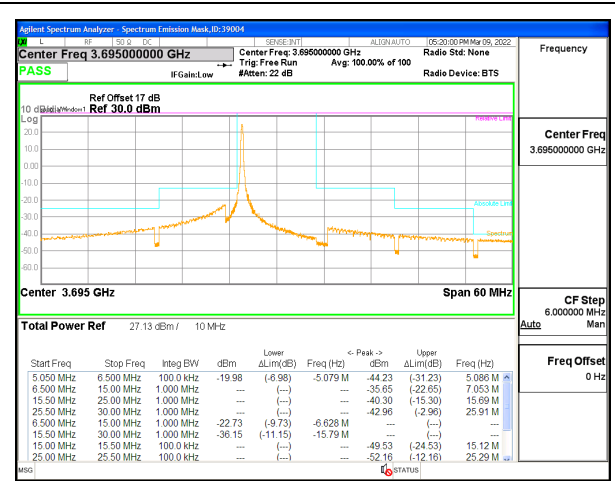
LTE B48 5MHz QPSK High Channel RB25-0



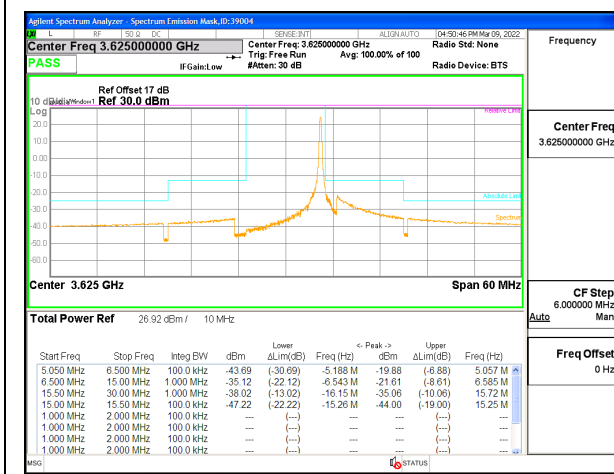
LTE B48 10MHz QPSK Low Channel RB50-0



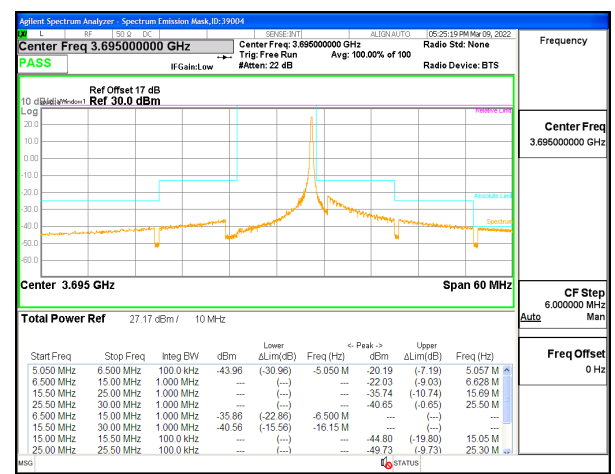
LTE B48 10MHz QPSK Middle Channel RB1-0



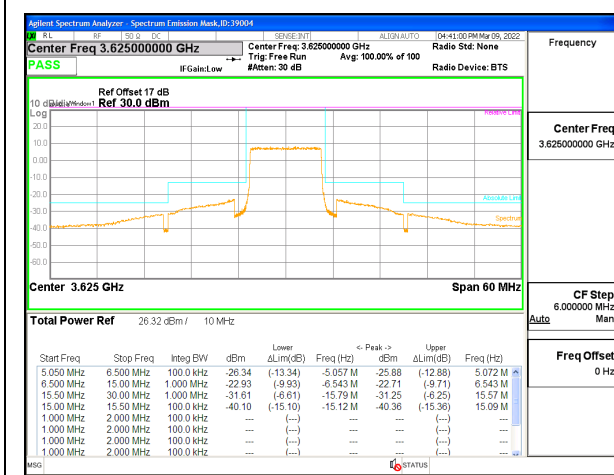
LTE B48 10MHz QPSK High Channel RB1-0



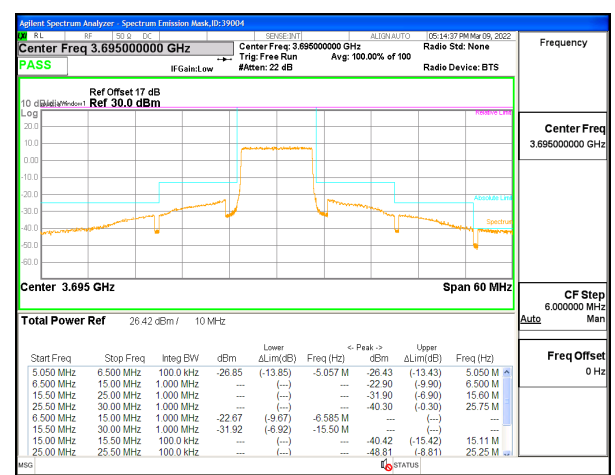
LTE B48 10MHz QPSK Middle Channel RB1-49



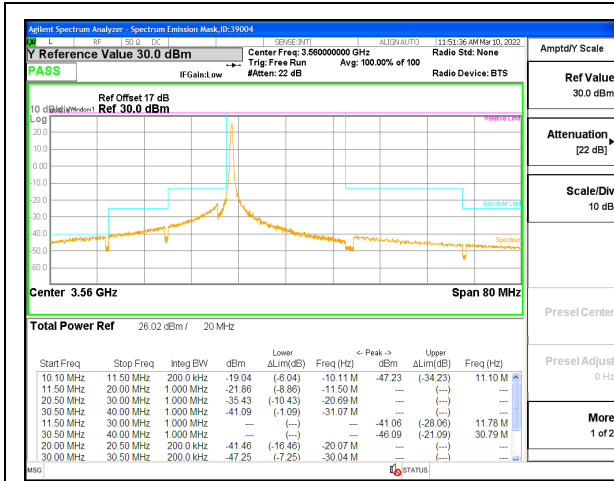
LTE B48 10MHz QPSK High Channel RB1-49



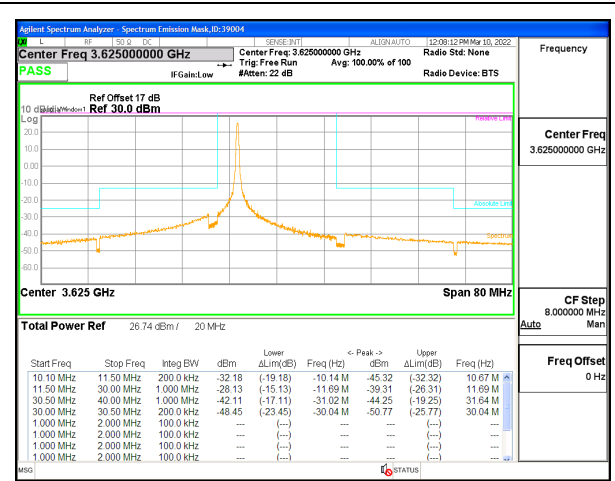
LTE B48 10MHz QPSK Middle Channel RB50-0



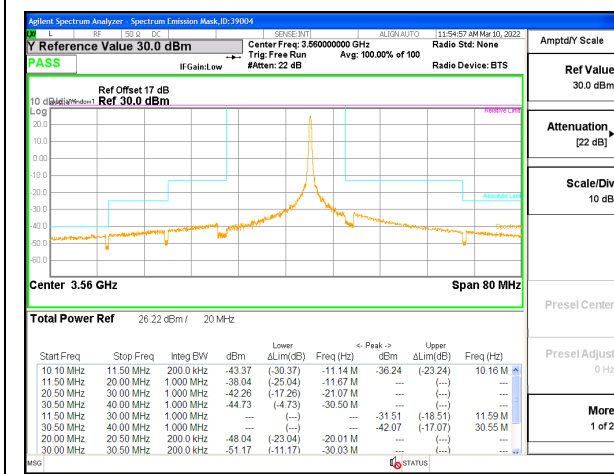
LTE B48 10MHz QPSK High Channel RB50-0



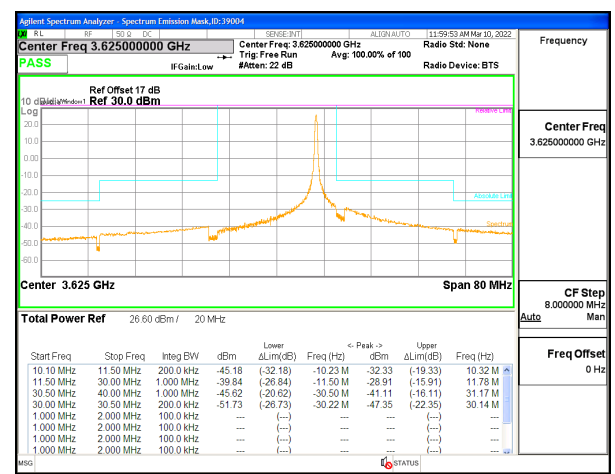
LTE B48 15MHz QPSK Low Channel RB1-0



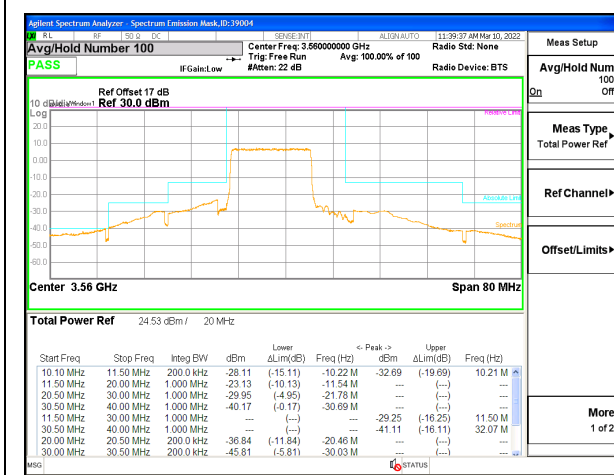
LTE B48 15MHz QPSK Middle Channel RB1-0



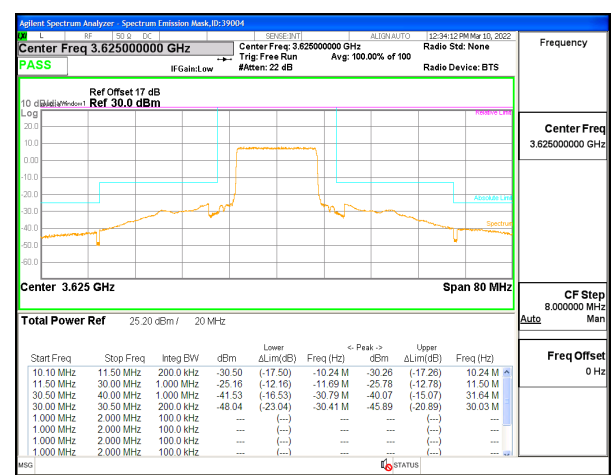
LTE B48 15MHz QPSK Low Channel RB1-74



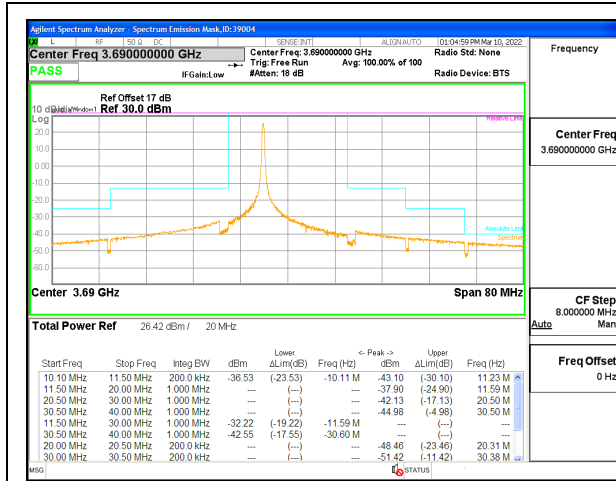
LTE B48 15MHz QPSK Middle Channel RB1-74



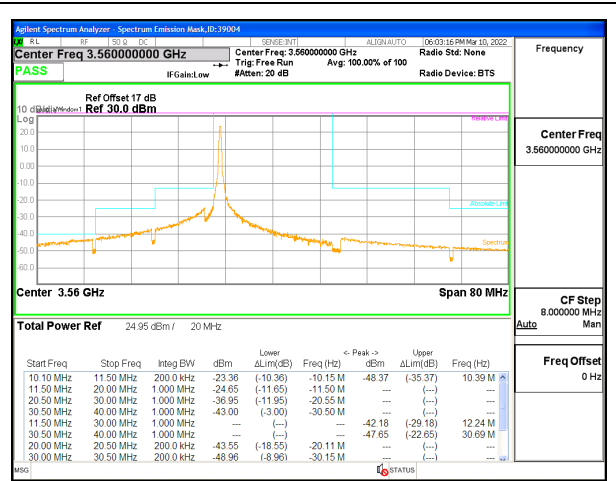
LTE B48 15MHz QPSK Low Channel RB75-0



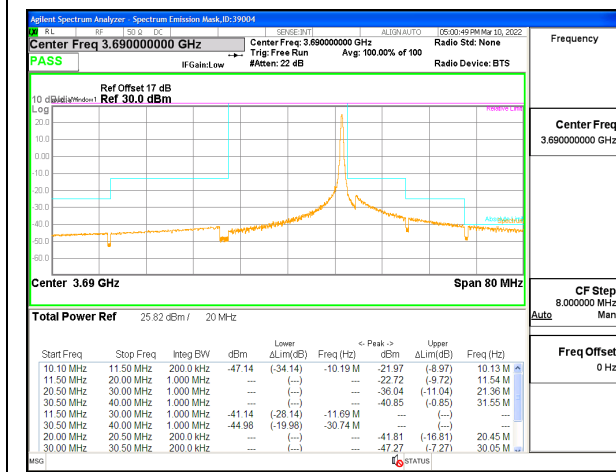
LTE B48 15MHz QPSK Middle Channel RB75-0



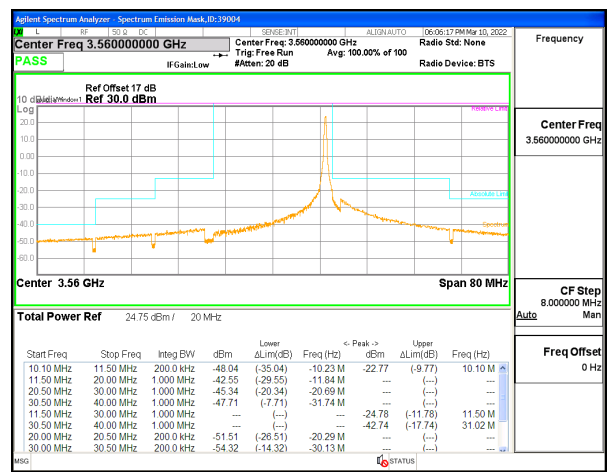
LTE B48 15MHz QPSK High Channel RB1-0



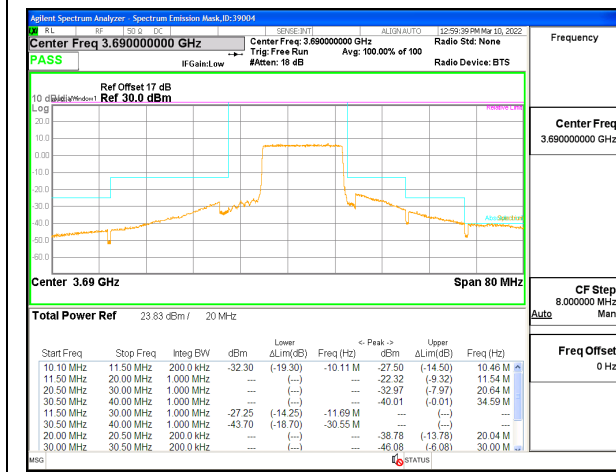
LTE B48 20MHz QPSK Low Channel RB1-0



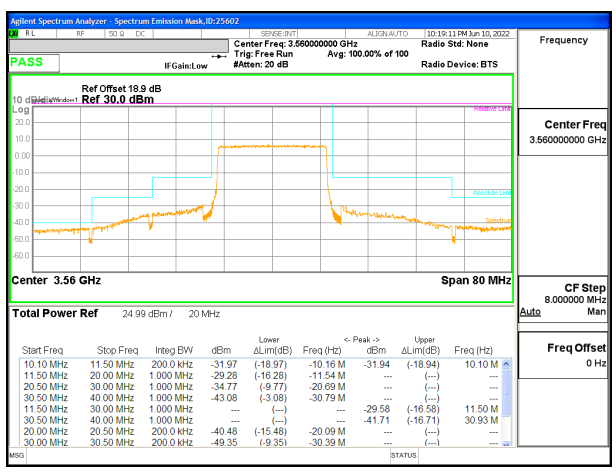
LTE B48 15MHz QPSK High Channel RB1-74



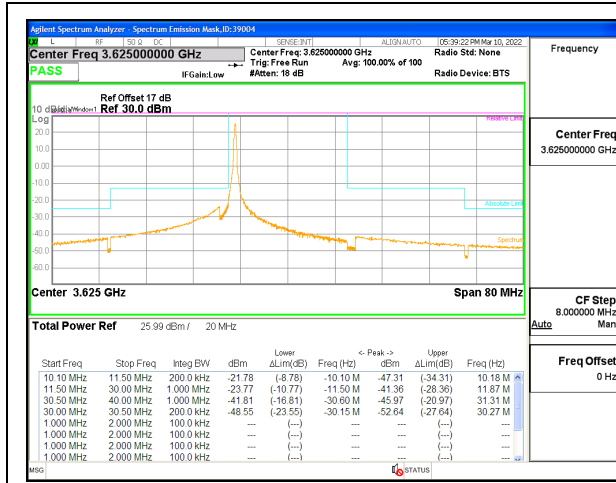
LTE B48 20MHz QPSK Low Channel RB1-99



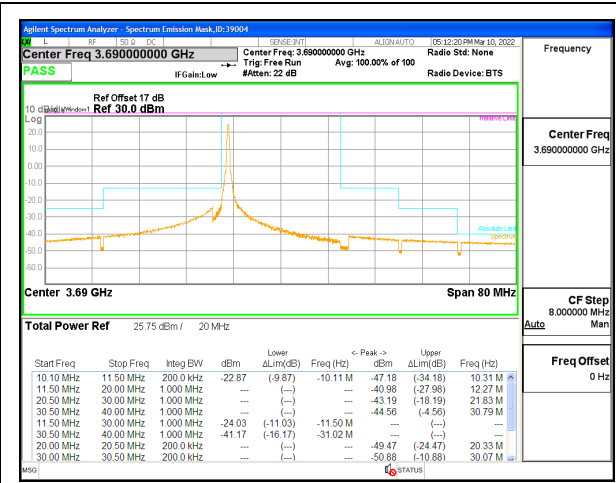
LTE B48 15MHz QPSK High Channel RB75-0



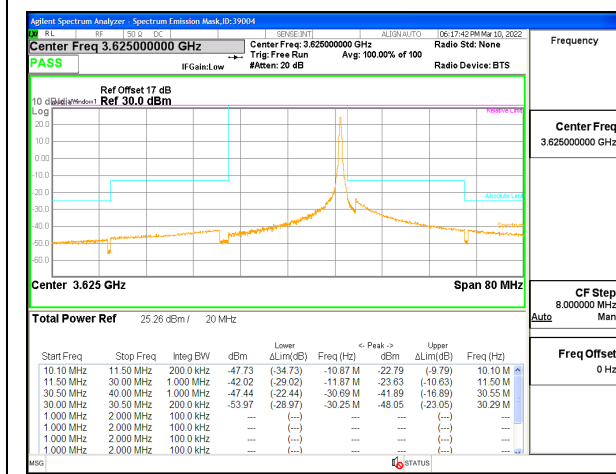
LTE B48 20MHz QPSK Low Channel RB100-0



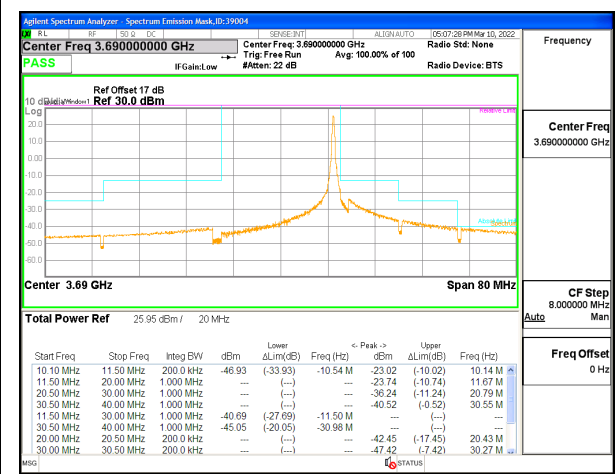
LTE B48 20MHz QPSK Middle Channel RB1-0



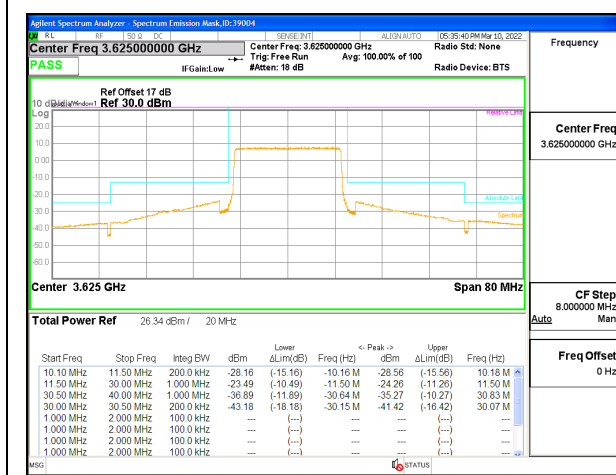
LTE B48 20MHz QPSK High Channel RB1-0



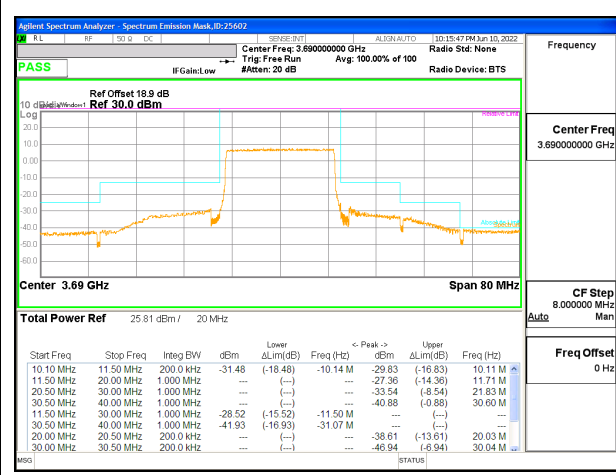
LTE B48 20MHz QPSK Middle Channel RB1-99



LTE B48 20MHz QPSK High Channel RB1-99

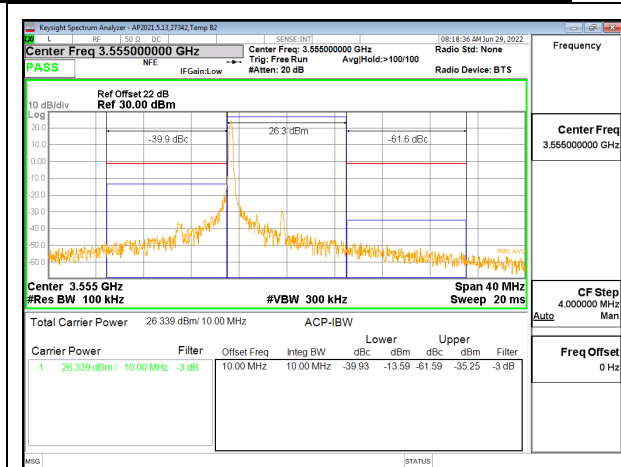


LTE B48 20MHz QPSK Middle Channel RB100-0

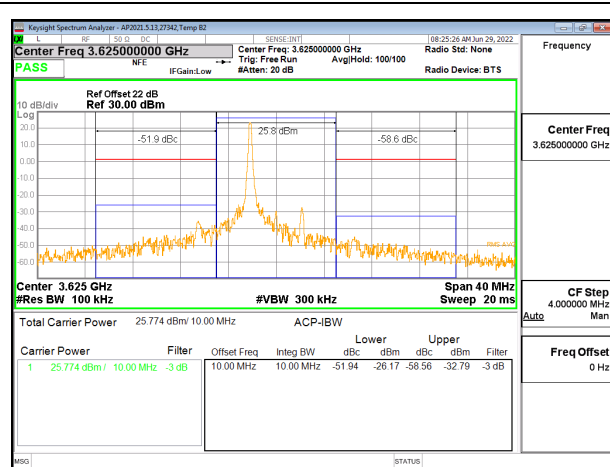


LTE B48 20MHz QPSK High Channel RB100-0

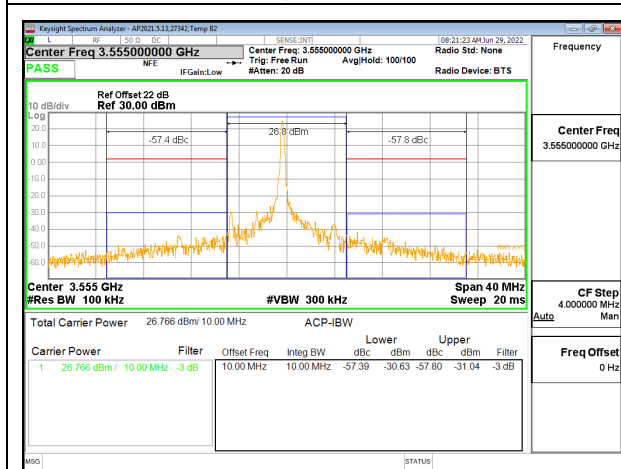
LTE BAND 48 ADJACENT CHANNEL POWER (FCC)



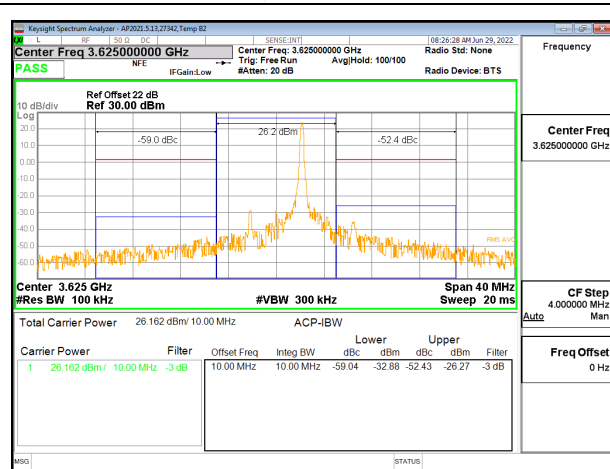
LTE B48 5MHz QPSK Low Channel RB1-0



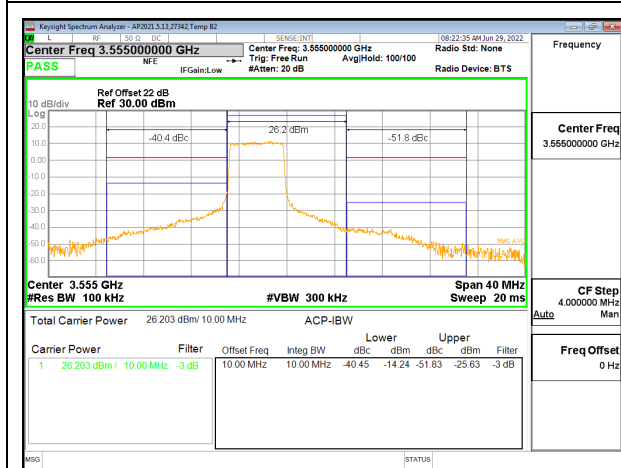
LTE B48 5MHz QPSK Middle Channel RB1-0



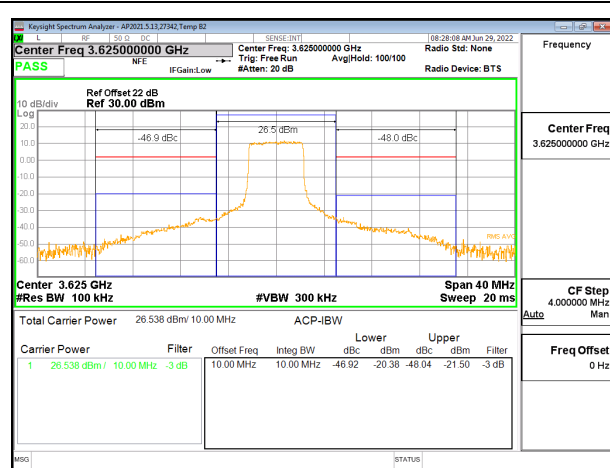
LTE B48 5MHz QPSK Low Channel RB1-24



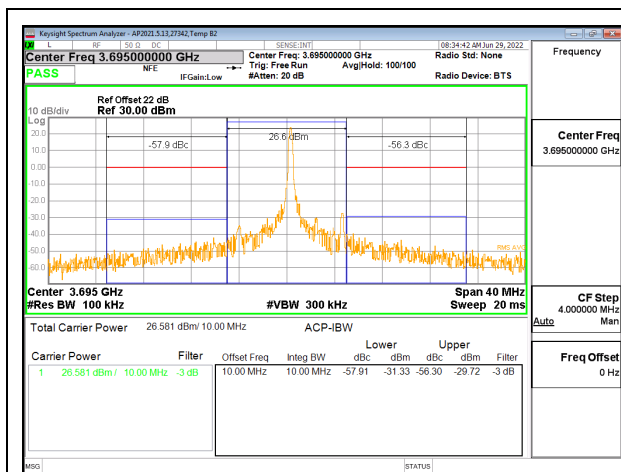
LTE B48 5MHz QPSK Middle Channel RB1-24



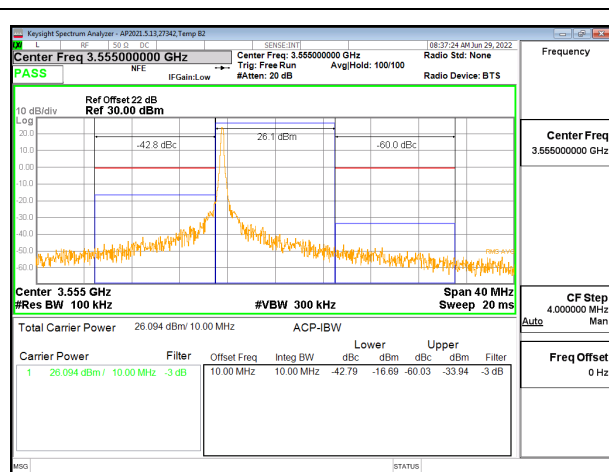
LTE B48 5MHz QPSK Low Channel RB25-0



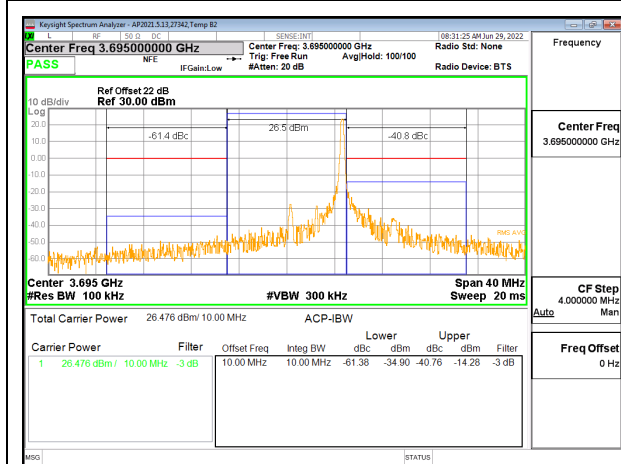
LTE B48 5MHz QPSK Middle Channel RB25-0



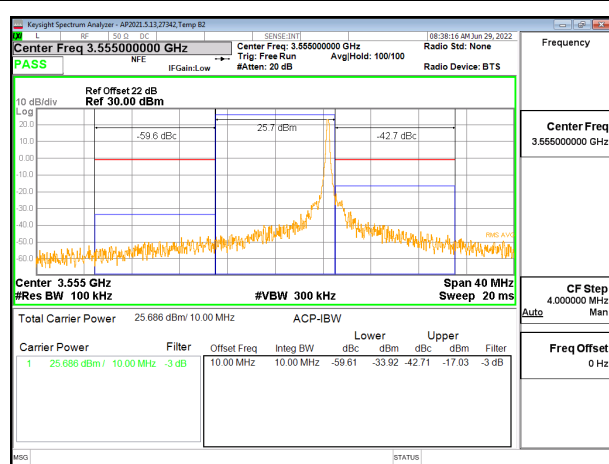
LTE B48 5MHz QPSK High Channel RB1-0



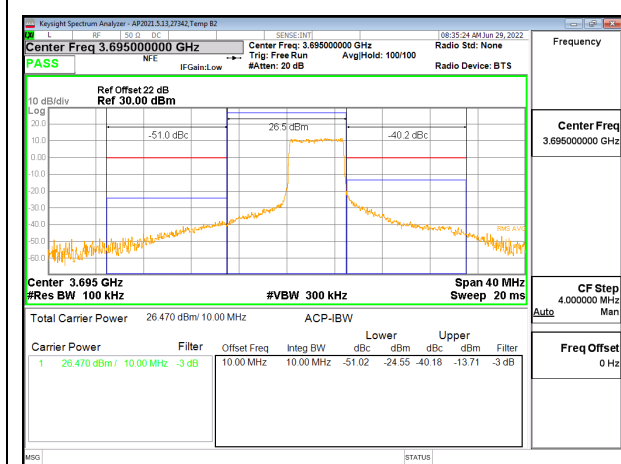
LTE B48 10MHz QPSK Low Channel RB1-0



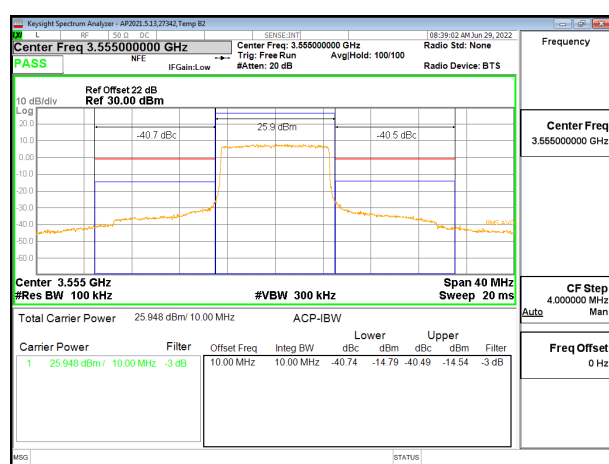
LTE B48 5MHz QPSK High Channel RB1-24



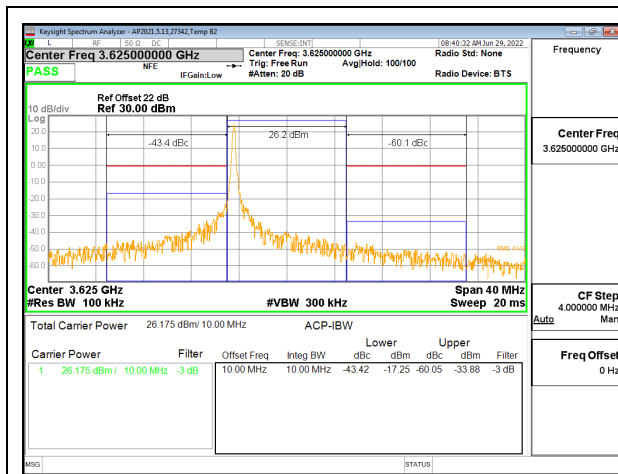
LTE B48 10MHz QPSK Low Channel RB1-49



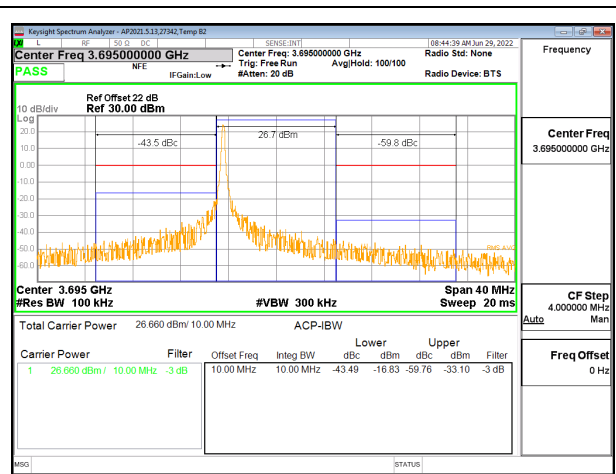
LTE B48 5MHz QPSK High Channel RB25-0



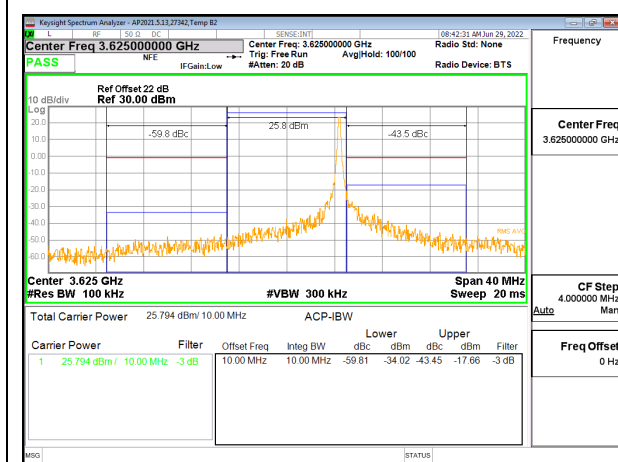
LTE B48 10MHz QPSK Low Channel RB50-0



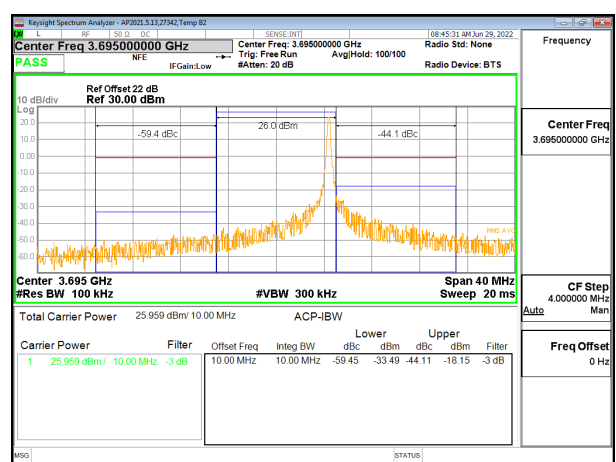
LTE B48 10MHz QPSK Middle Channel RB1-0



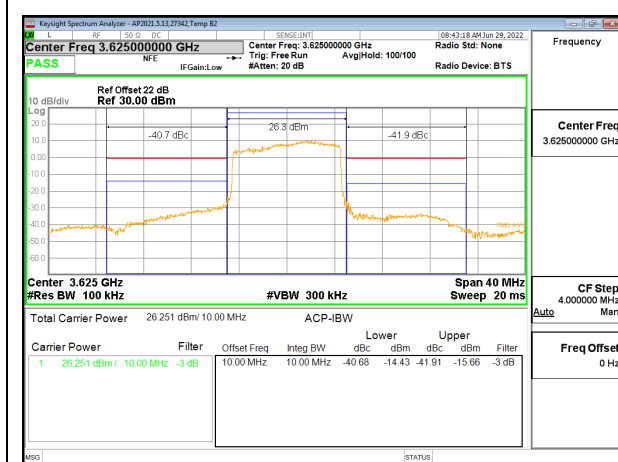
LTE B48 10MHz QPSK High Channel RB1-0



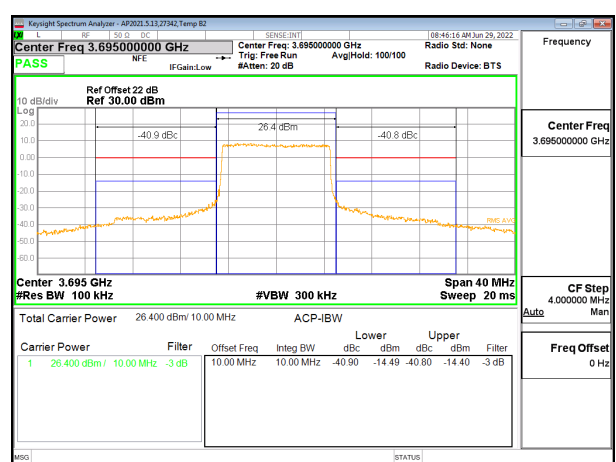
LTE B48 10MHz QPSK Middle Channel RB1-49



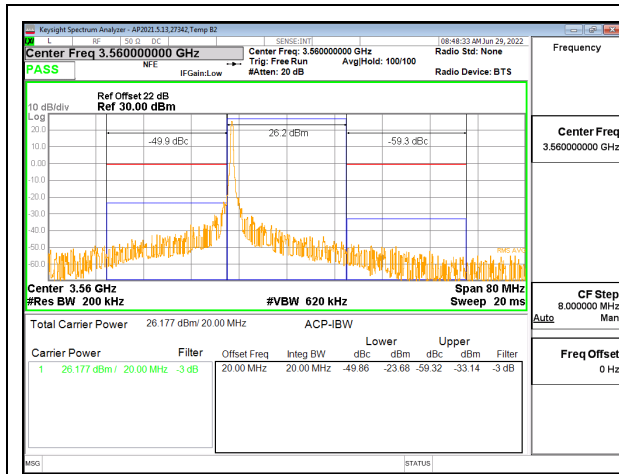
LTE B48 10MHz QPSK High Channel RB1-49



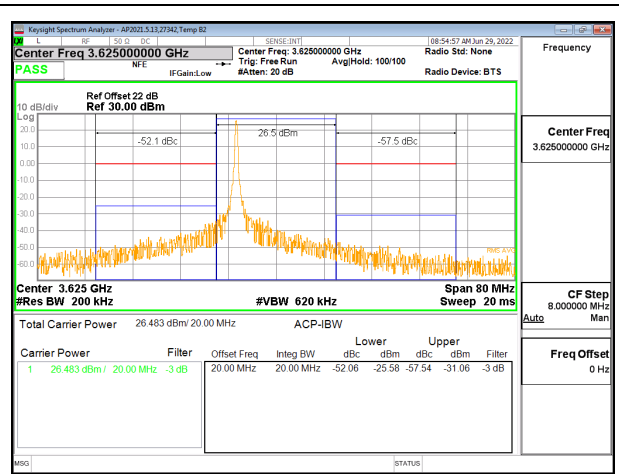
LTE B48 10MHz QPSK Middle Channel RB50-0



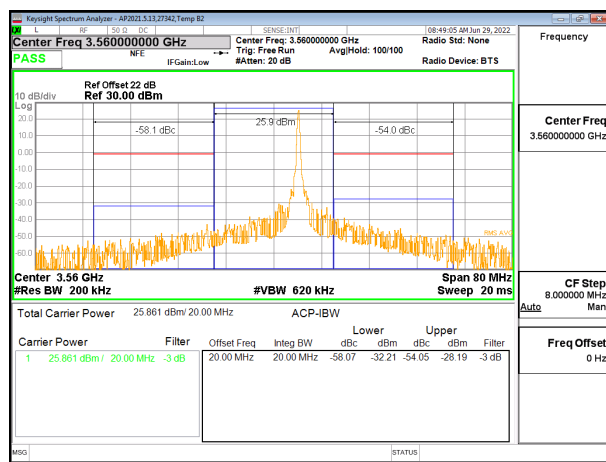
LTE B48 10MHz QPSK High Channel RB50-0



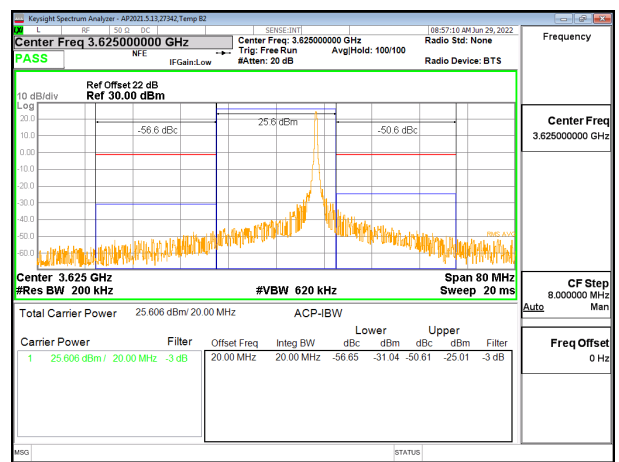
LTE B48 15MHz QPSK Low Channel RB1-0



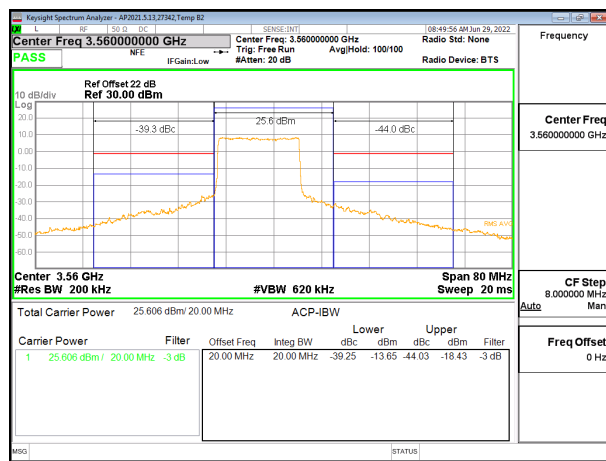
LTE B48 15MHz QPSK Middle Channel RB1-0



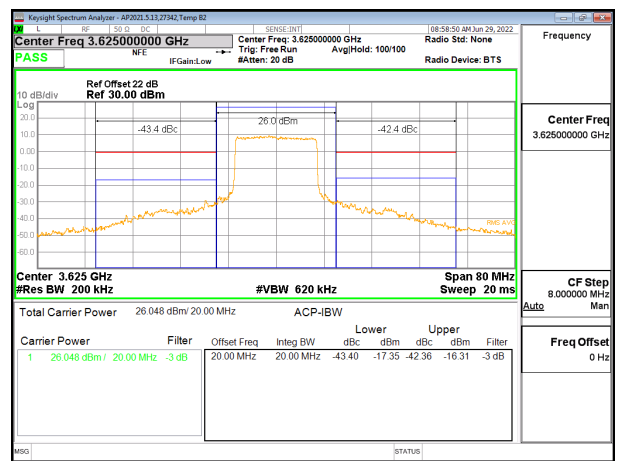
LTE B48 15MHz QPSK Low Channel RB1-74



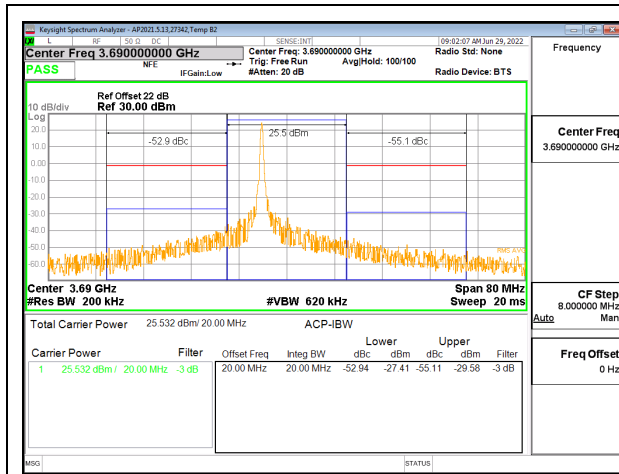
LTE B48 15MHz QPSK Middle Channel RB1-74



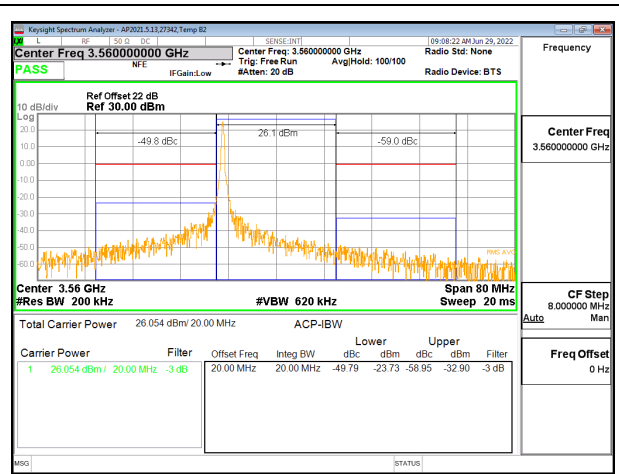
LTE B48 15MHz QPSK Low Channel RB75-0



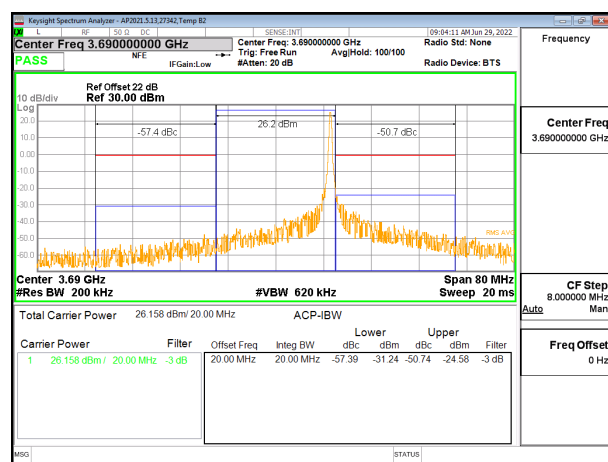
LTE B48 15MHz QPSK Middle Channel RB75-0



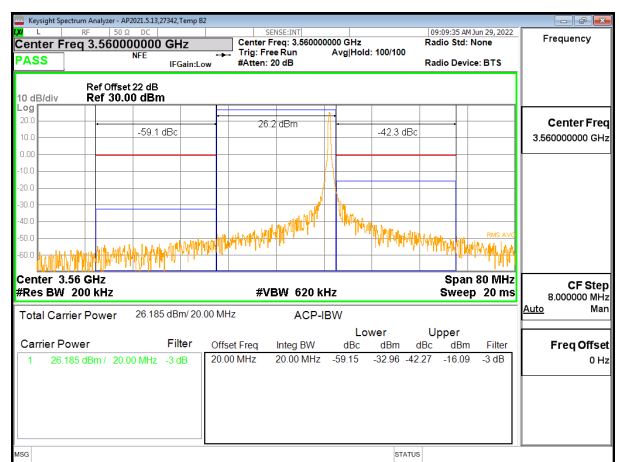
LTE B48 15MHz QPSK High Channel RB1-0



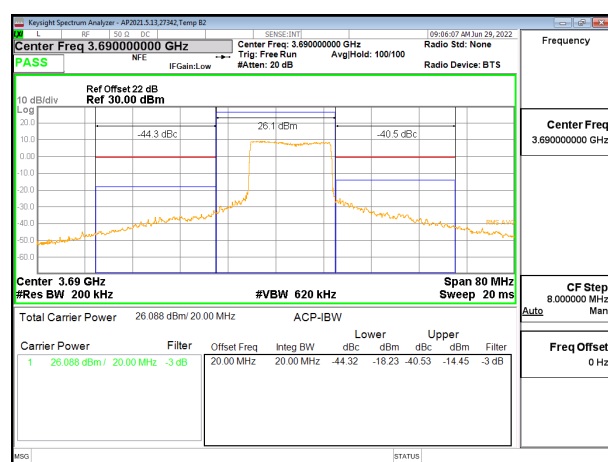
LTE B48 20MHz QPSK Low Channel RB1-0



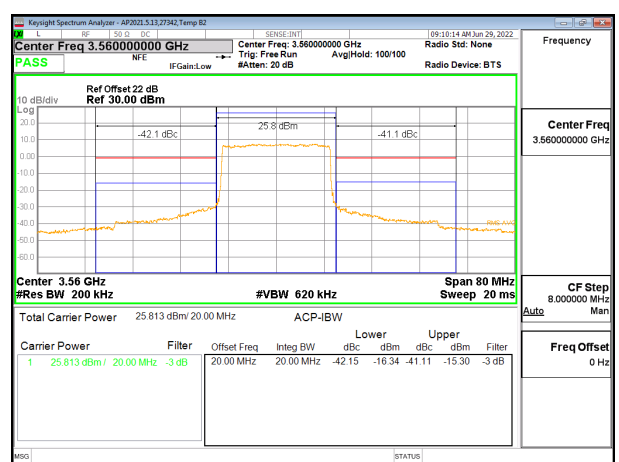
LTE B48 15MHz QPSK High Channel RB1-74



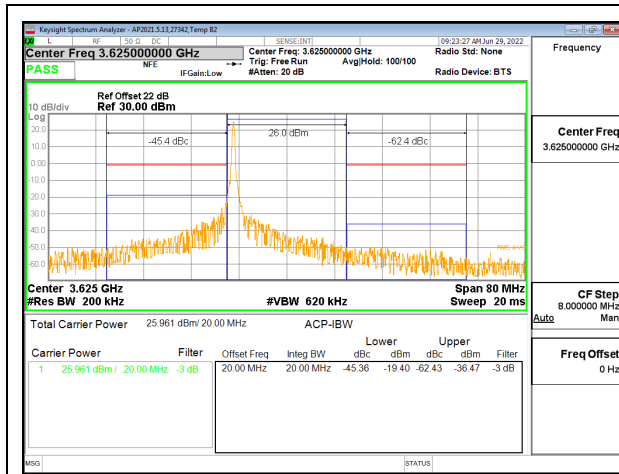
LTE B48 20MHz QPSK Low Channel RB1-99



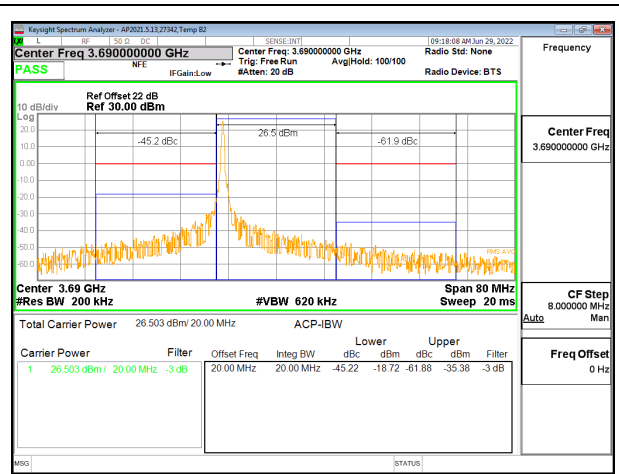
LTE B48 15MHz QPSK High Channel RB75-0



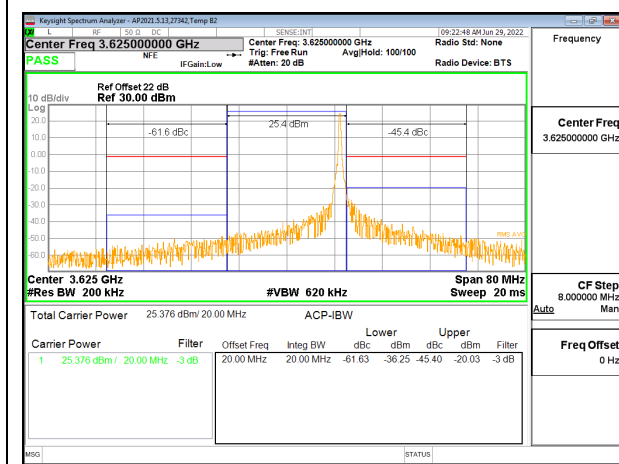
LTE B48 20MHz QPSK Low Channel RB100-0



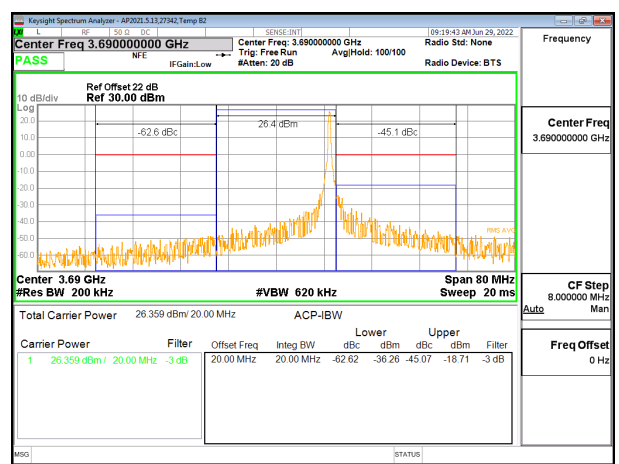
LTE B48 20MHz QPSK Middle Channel RB1-0



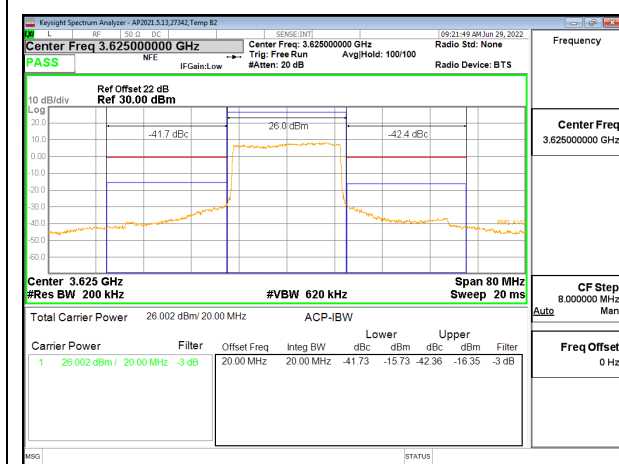
LTE B48 20MHz QPSK High Channel RB1-0



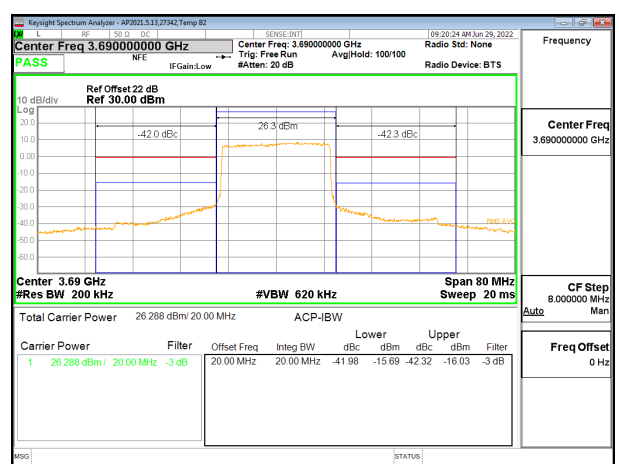
LTE B48 20MHz QPSK Middle Channel RB1-99



LTE B48 20MHz QPSK High Channel RB1-99



LTE B48 20MHz QPSK Middle Channel RB100-0



LTE B48 20MHz QPSK High Channel RB100-0

9.2.12. LTE BAND 66 AND 5G NR n66 EMISSION MASK

LIMITS

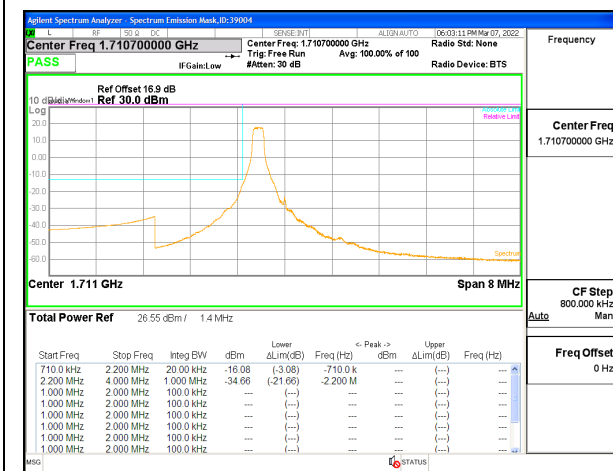
FCC: §27.53(h)

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.

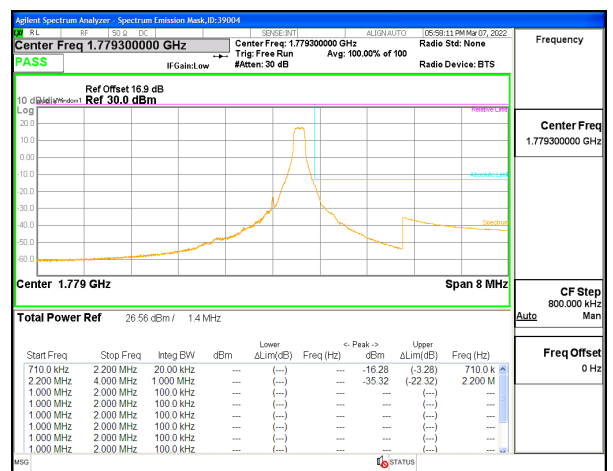
ISED: RSS139§6.6

- (i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block, Footnote 2 which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB.
- (ii) After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB.

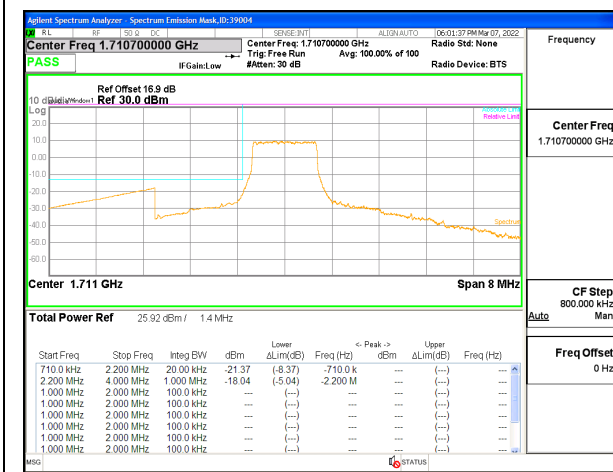
LTE BAND 66 EMISSION MASK



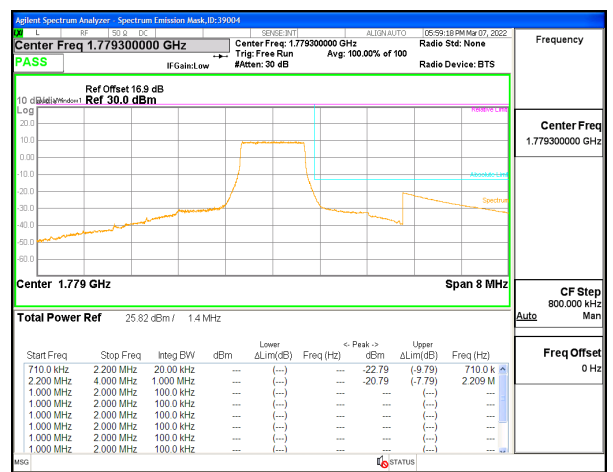
LTE B66 1.4MHz QPSK Low Channel RB1-0



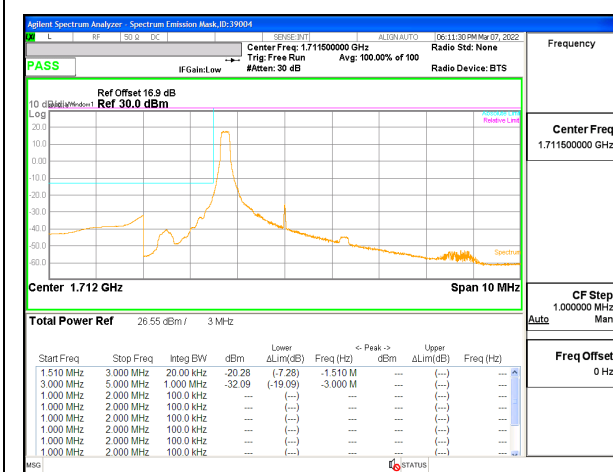
LTE B66 1.4MHz QPSK High Channel RB1-5



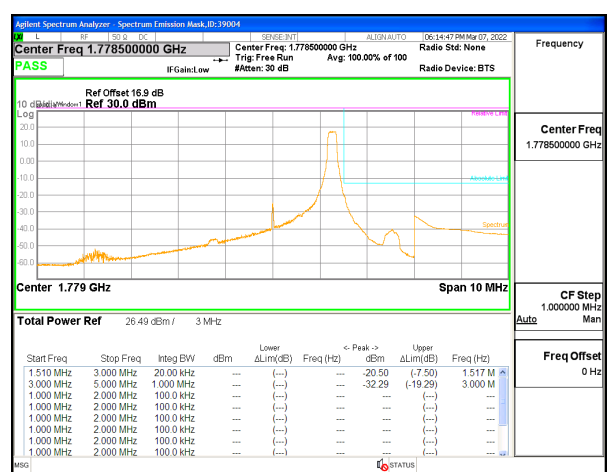
LTE B66 1.4MHz QPSK Low Channel RB6-0



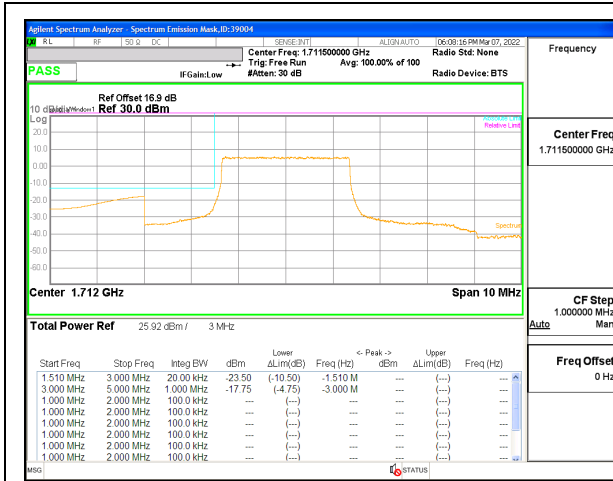
LTE B66 1.4MHz QPSK High Channel RB6-0



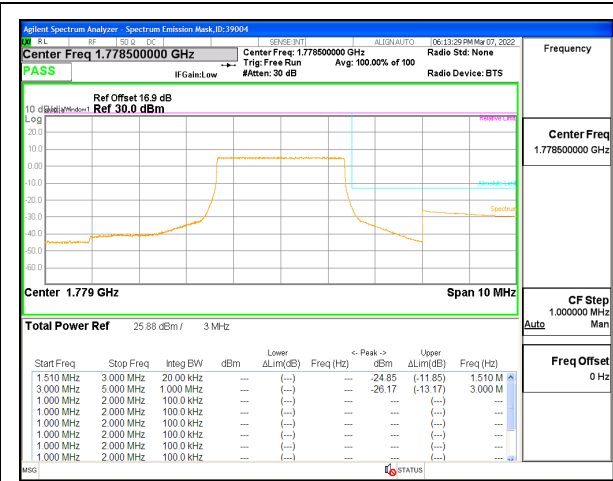
LTE B66 3MHz QPSK Low Channel RB1-0



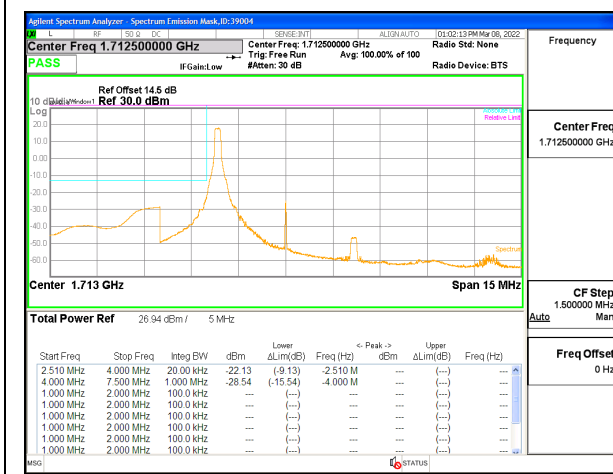
LTE B66 3MHz QPSK High Channel RB1-14



LTE B66 3MHz QPSK Low Channel RB15-0



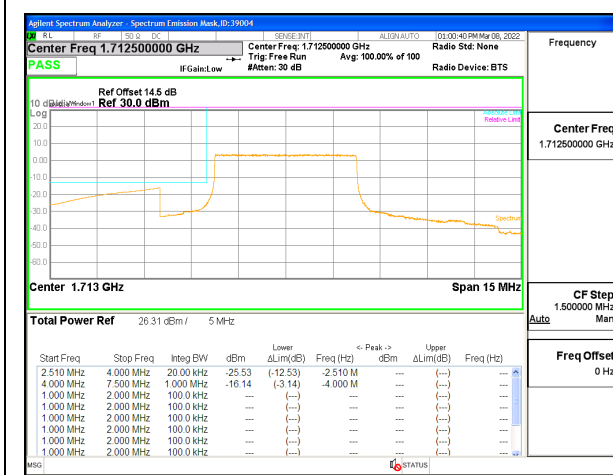
LTE B66 3MHz QPSK High Channel RB15-0



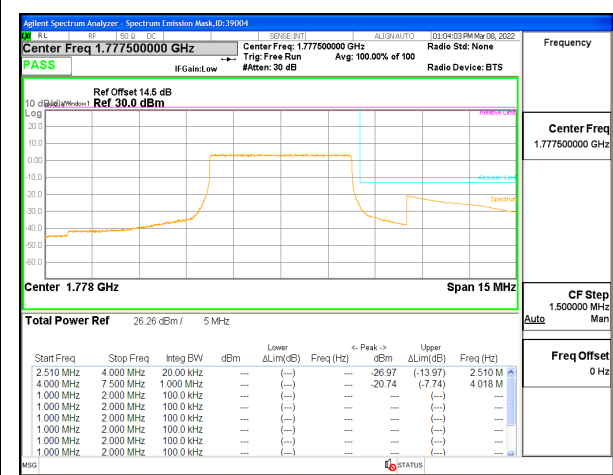
LTE B66 5MHz QPSK Low Channel RB1-0



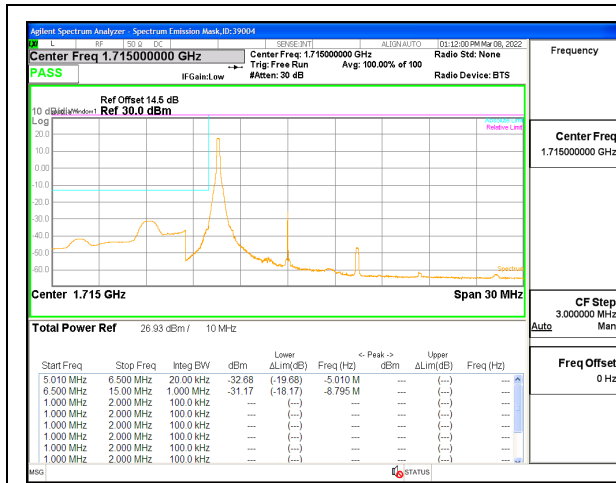
LTE B66 5MHz QPSK High Channel RB1-36



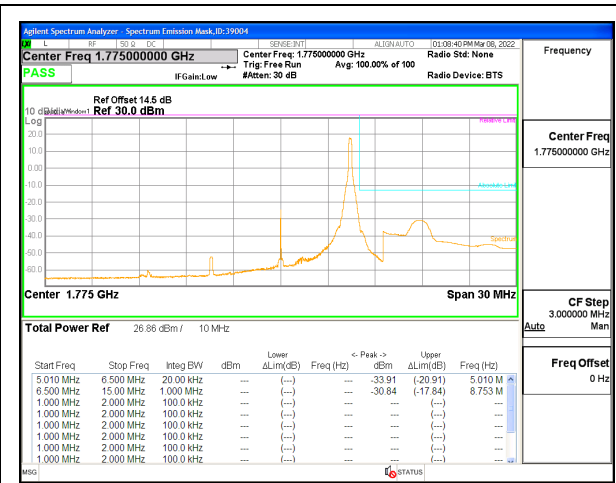
LTE B66 5MHz QPSK Low Channel RB25-0



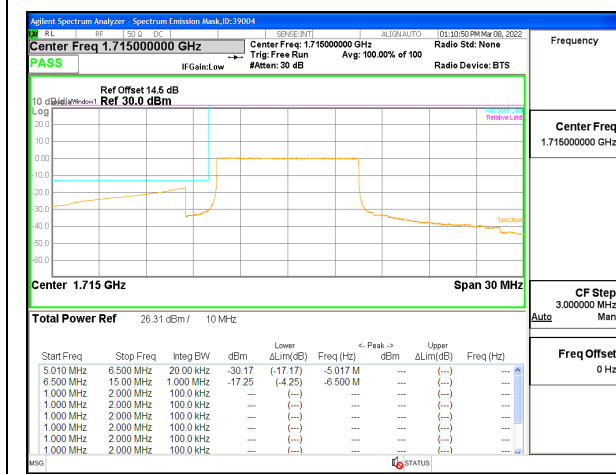
LTE B66 5MHz QPSK High Channel RB25-0



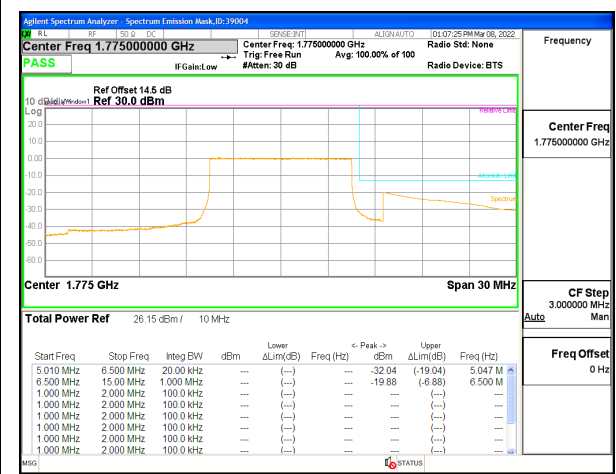
LTE B66 10MHz QPSK Low Channel RB1-0



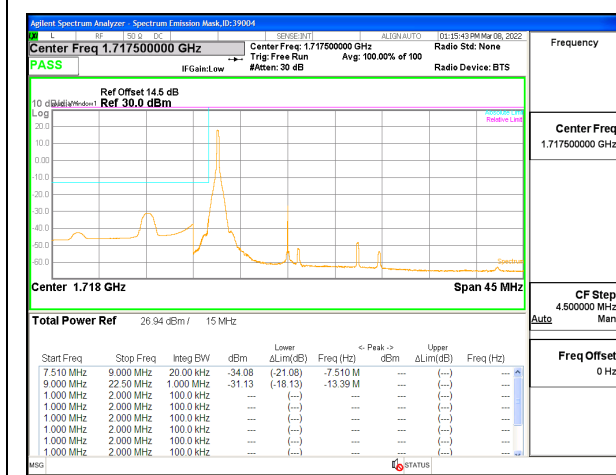
LTE B66 10MHz QPSK High Channel RB1-49



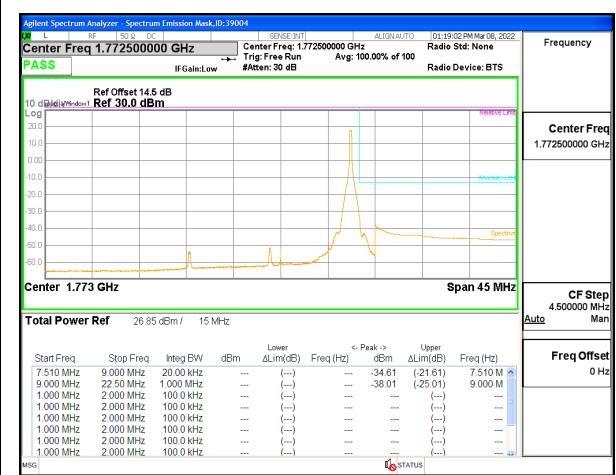
LTE B66 10MHz QPSK Low Channel RB50-0



LTE B66 10MHz QPSK High Channel RB50-0



LTE B66 15MHz QPSK Low Channel RB1-0



LTE B66 15MHz QPSK High Channel RB1-74