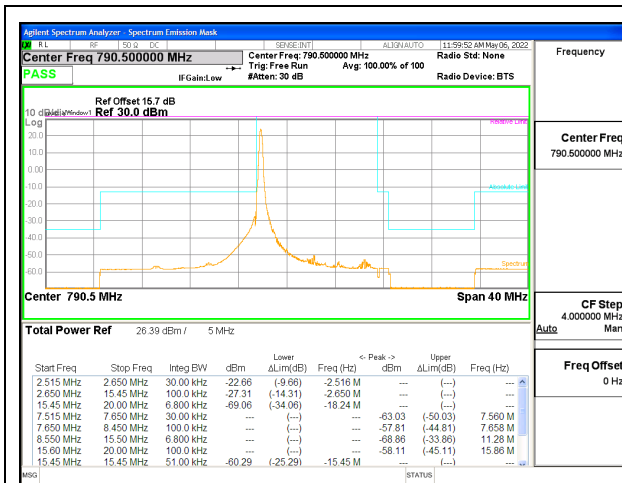
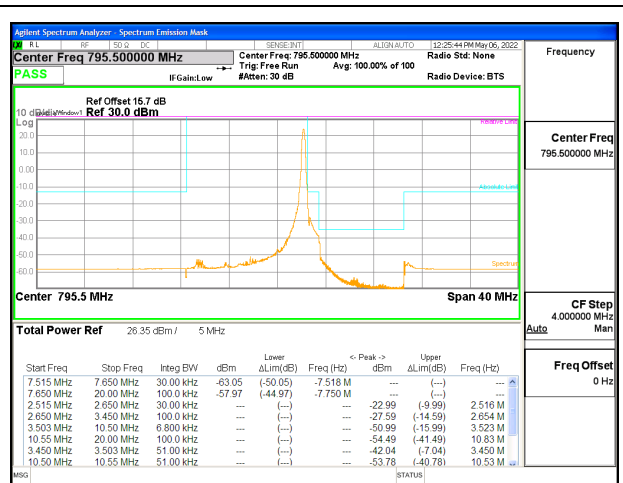


LTE BAND 14 EMISSION MASK

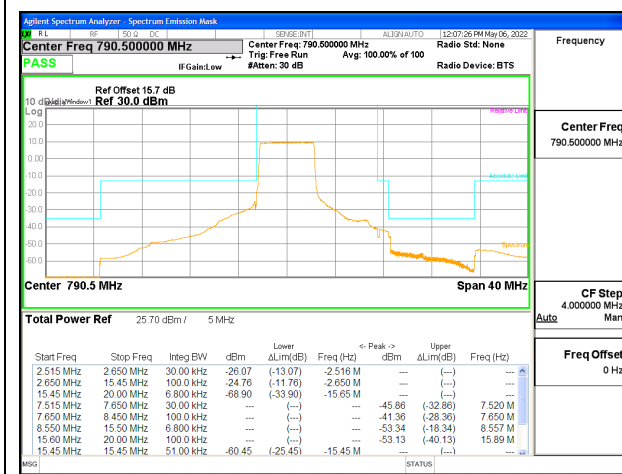
Test Engineer ID: 39004 Test Date: 5/6/2022



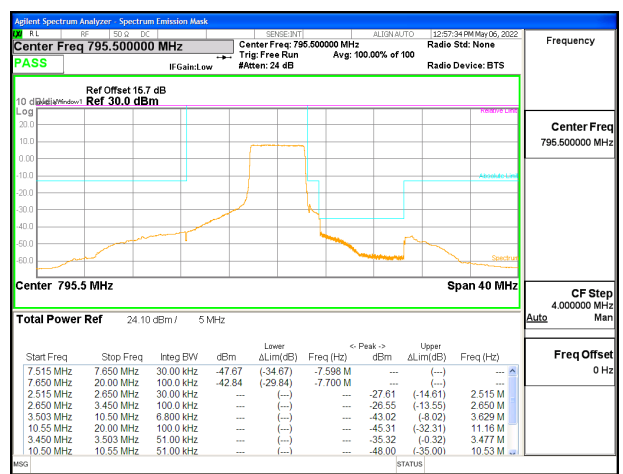
LTE B14 5MHz QPSK Low Channel RB1-0



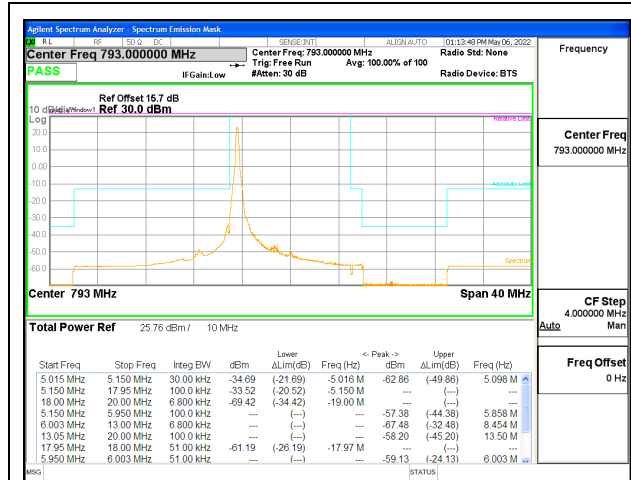
LTE B14 5MHz QPSK High Channel RB1-24



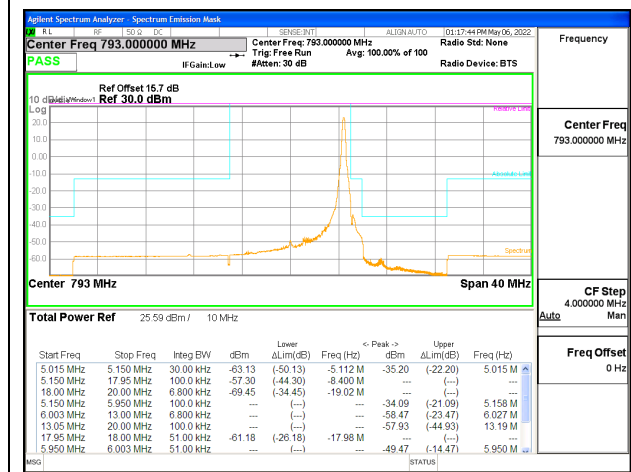
LTE B14 5MHz QPSK Low Channel RB25-0



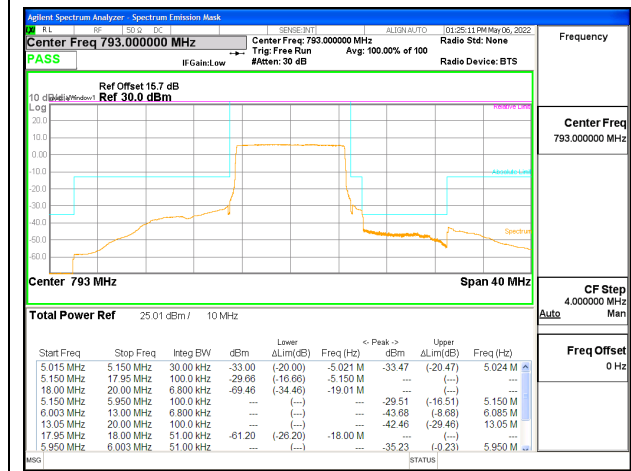
LTE B14 5MHz QPSK High Channel RB25-0



LTE B14 10MHz QPSK Middle Channel RB1-0

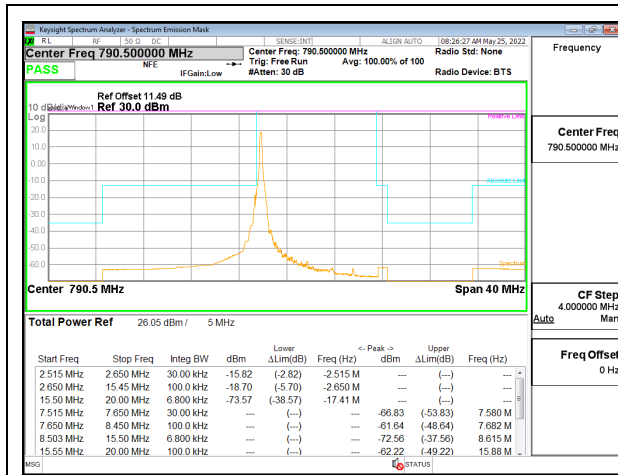


LTE B14 10MHz QPSK Middle Channel RB1-49

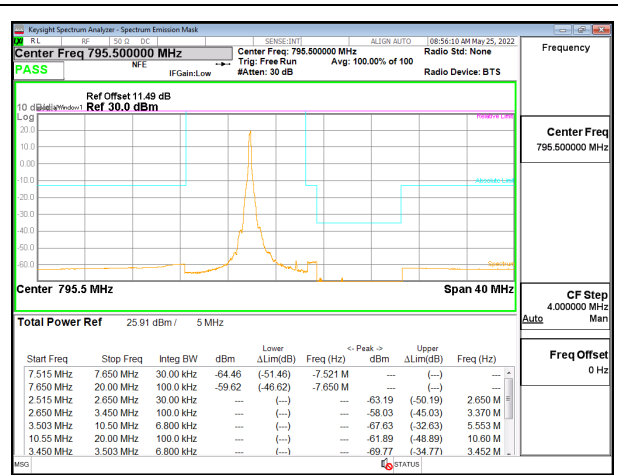


LTE B14 10MHz QPSK Middle Channel RB50-0

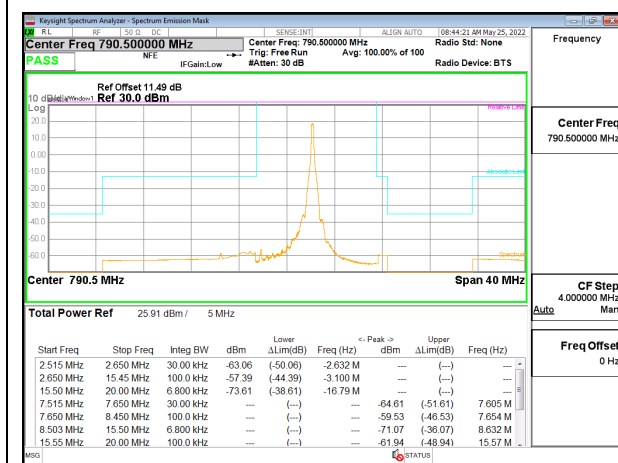
5G NR n14 EMISSION MASK



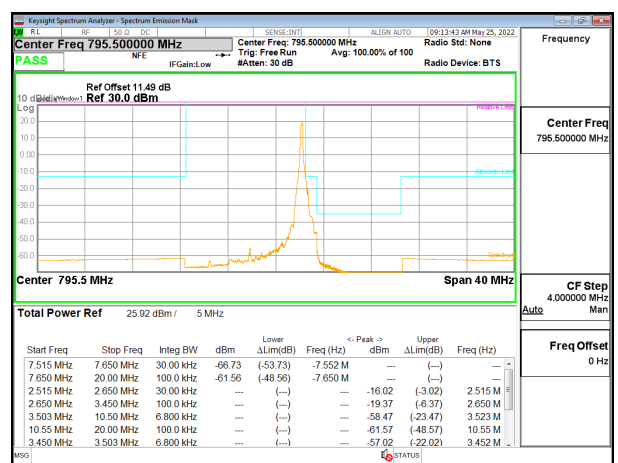
5G NR n14 5MHz BPSK Low Channel RB1-0



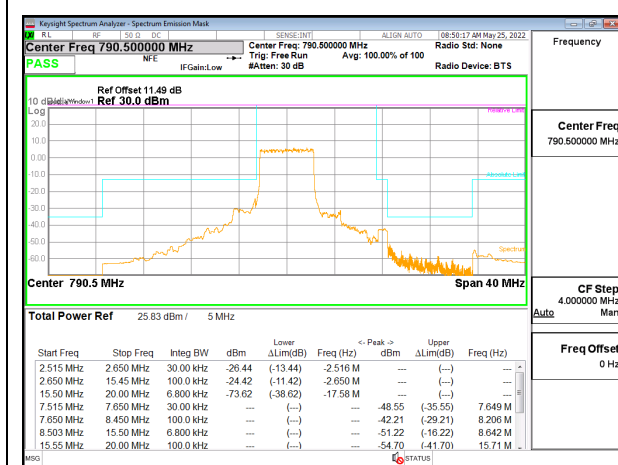
5G NR n14 5MHz BPSK High Channel RB1-0



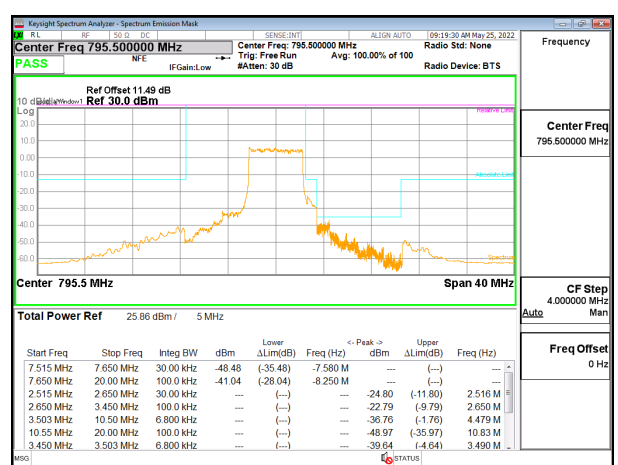
5G NR n14 5MHz BPSK Low Channel RB1-24



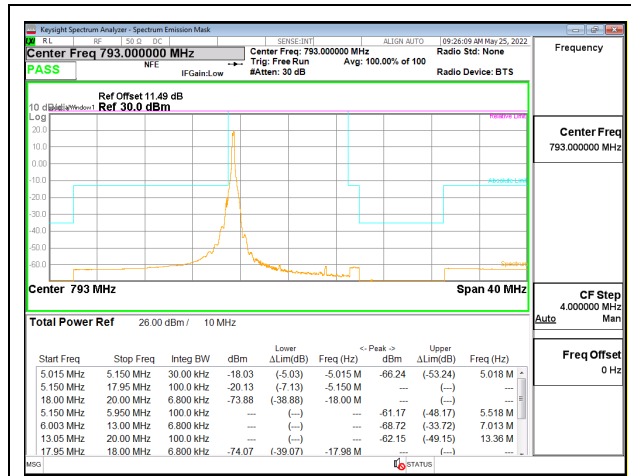
5G NR n14 5MHz BPSK High Channel RB1-24



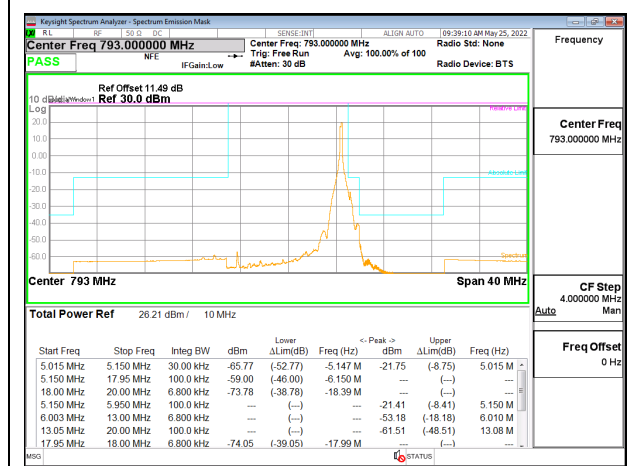
5G NR n14 5MHz BPSK Low Channel RB25-0



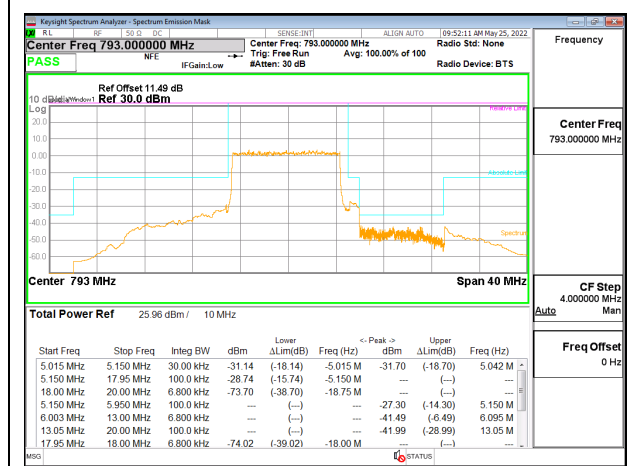
5G NR n14 5MHz BPSK High Channel RB25-0



5G NR n14 10MHz QPSK Middle Channel RB1-0



5G NR n14 10MHz QPSK Middle Channel RB1-49



5G NR n14 10MHz QPSK Middle Channel RB50-0

9.2.6. LTE BAND 17 EMISSION MASK

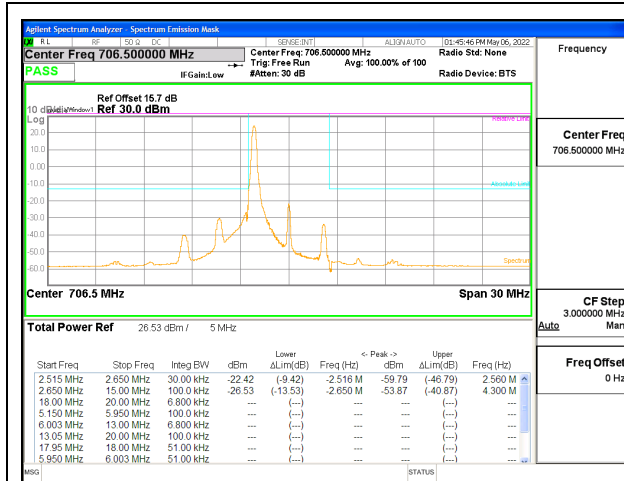
LIMITS

FCC: §27.53

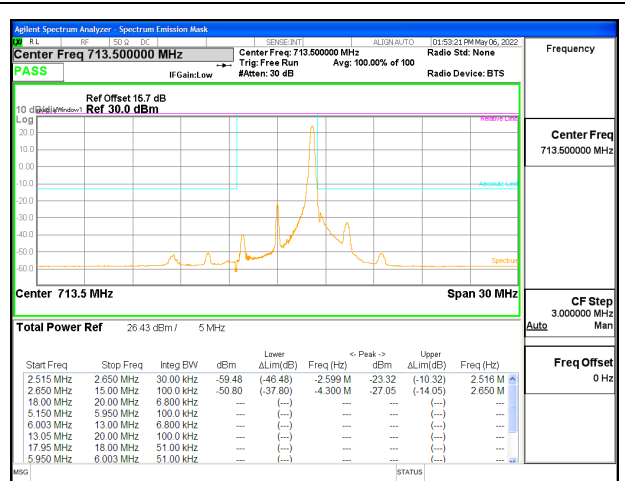
(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

LTE BAND 17 EMISSION MASK

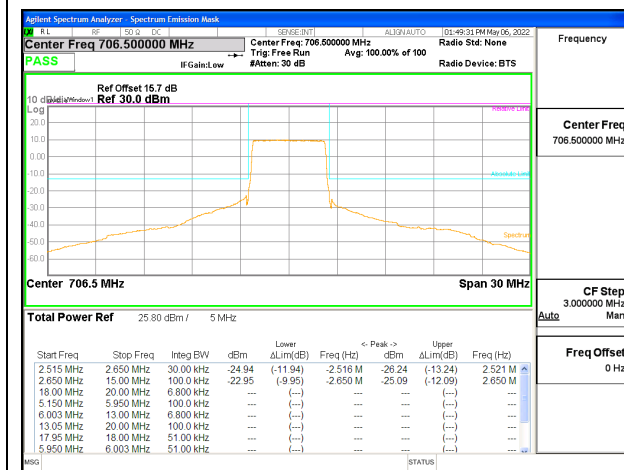
Test Engineer ID: 39004 Test Date: 5/6/2022



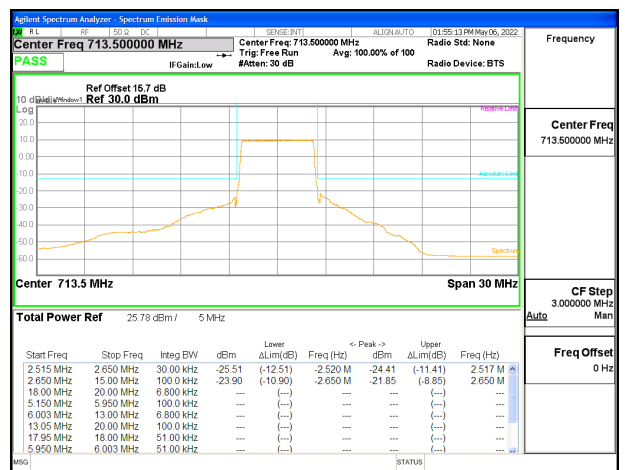
LTE B17 5MHz QPSK Low Channel RB1-0



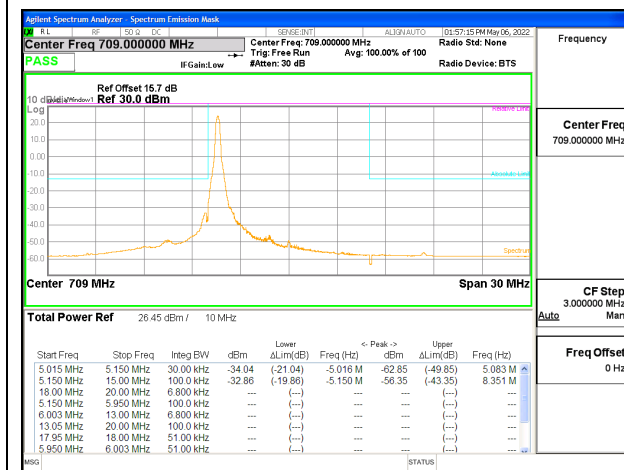
LTE B17 5MHz QPSK High Channel RB1-24



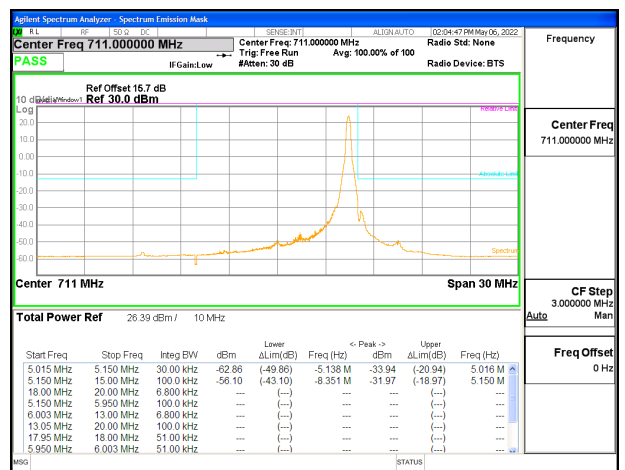
LTE B17 5MHz QPSK Low Channel RB25-0



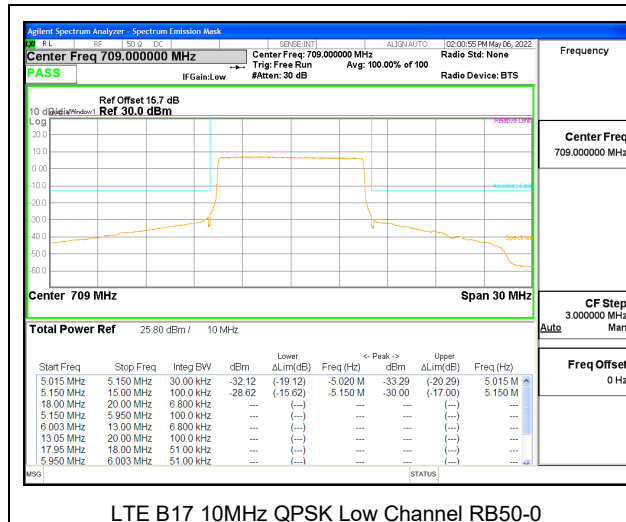
LTE B17 5MHz QPSK High Channel RB25-0



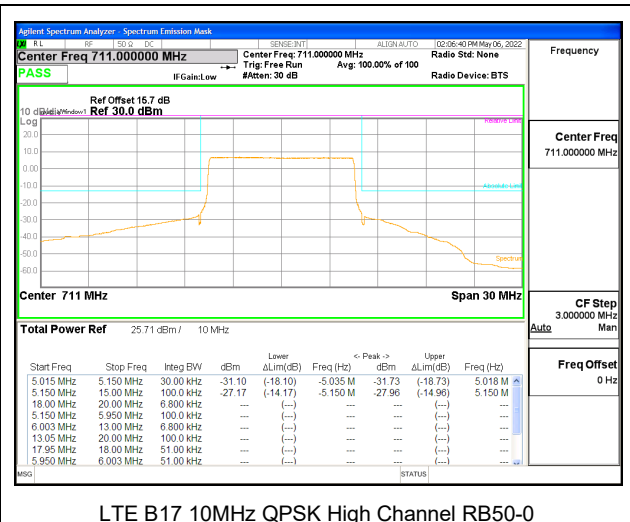
LTE B17 10MHz QPSK Low Channel RB1-0



LTE B17 10MHz QPSK High Channel RB1-49



LTE B17 10MHz QPSK Low Channel RB50-0



LTE B17 10MHz QPSK High Channel RB50-0

9.2.7. LTE BAND 25 AND 5G NR n25 EMISSION MASK

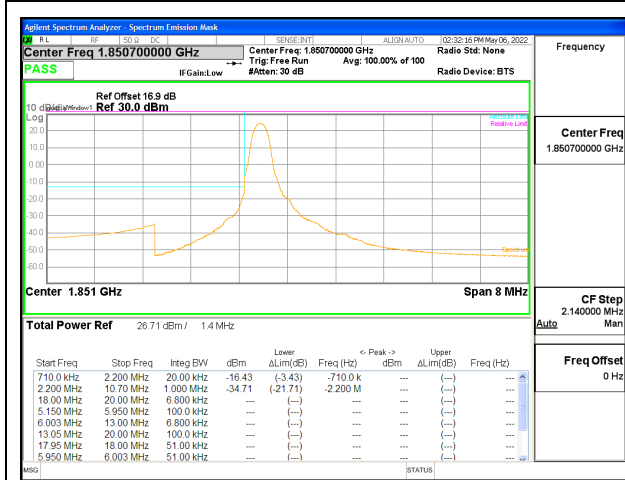
LIMITS

FCC: §24.238 (a)

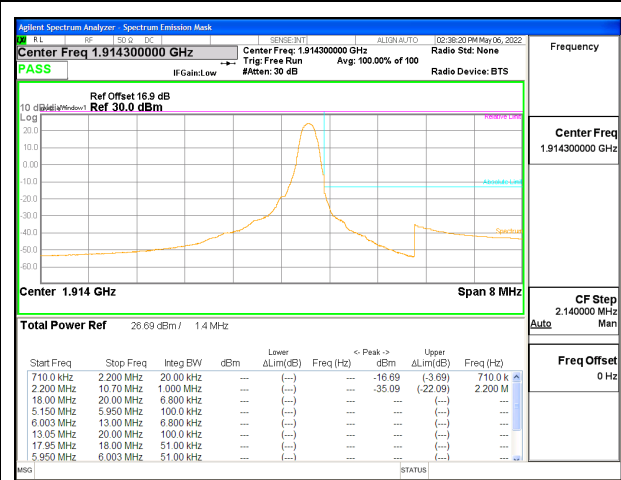
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

LTE BAND 25 EMISSION MASK

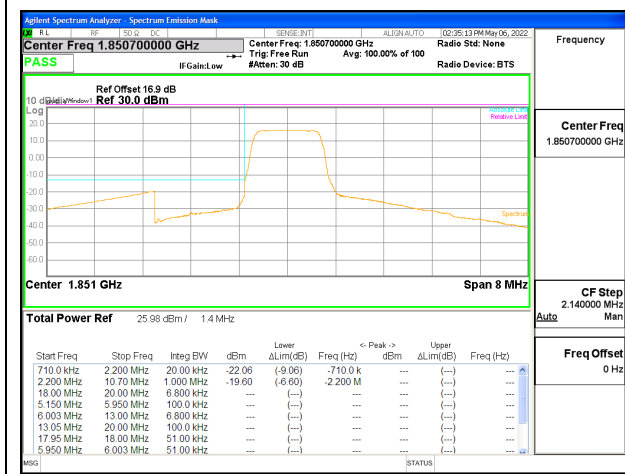
Test Engineer ID: 39004 Test Date: 5/6/2022



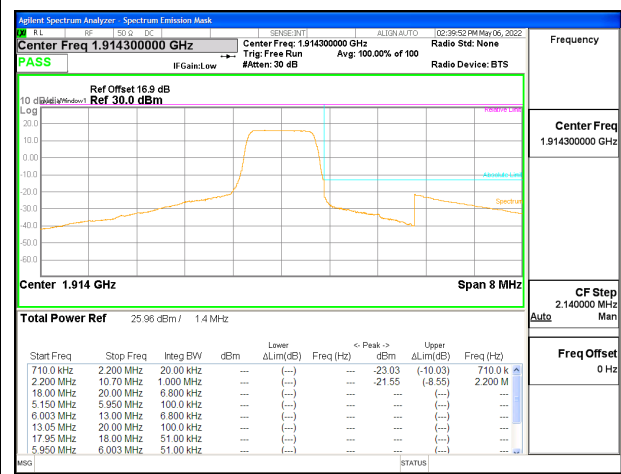
LTE B25 1.4MHz QPSK Low Channel RB1-0



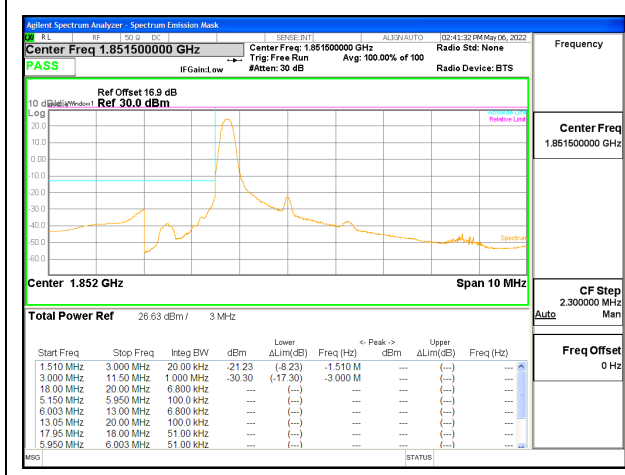
LTE B25 1.4MHz QPSK High Channel RB1-5



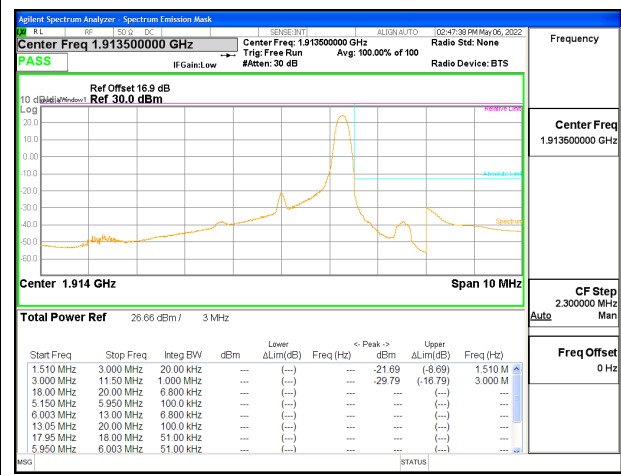
LTE B25 1.4MHz QPSK Low Channel RB6-0



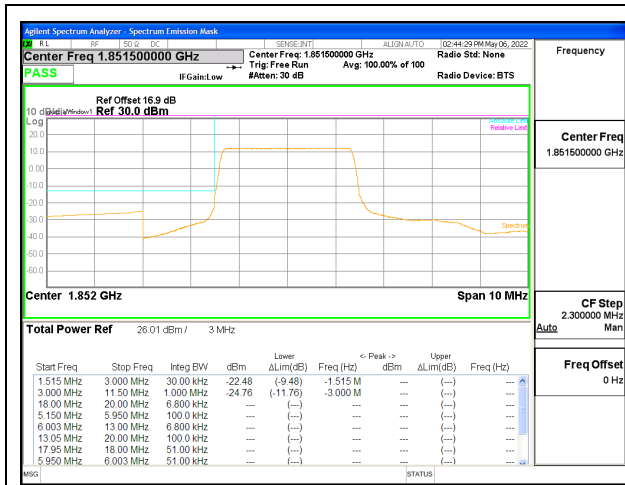
LTE B25 1.4MHz QPSK High Channel RB6-0



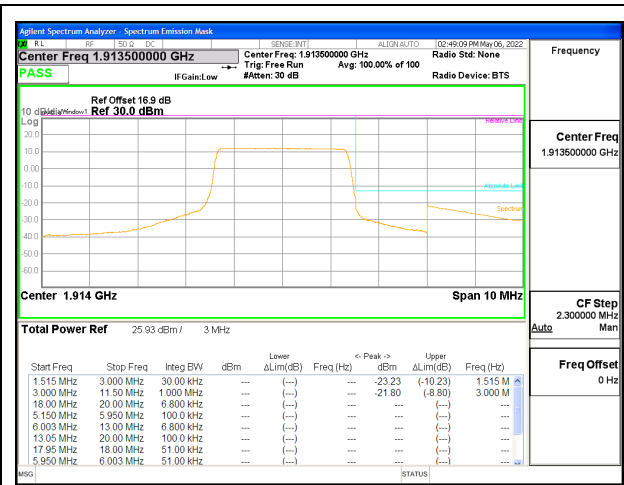
LTE B25 3MHz QPSK Low Channel RB1-0



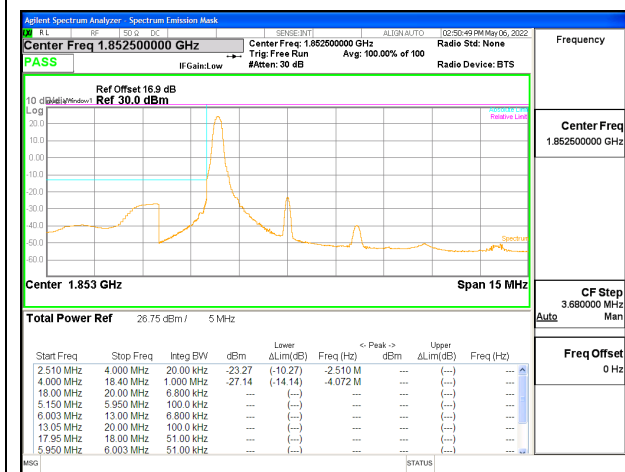
LTE B25 3MHz QPSK High Channel RB1-14



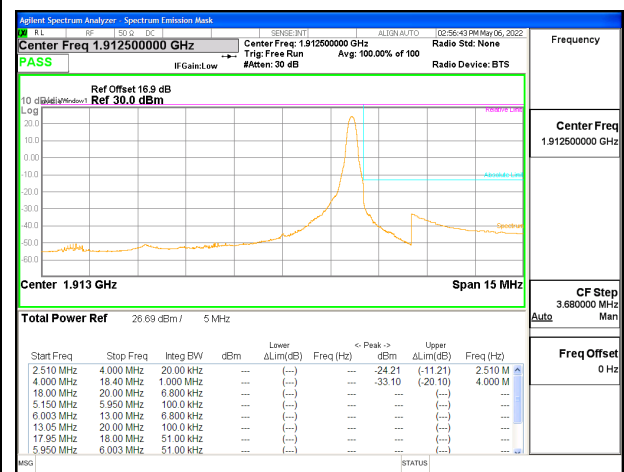
LTE B25 3MHz QPSK Low Channel RB15-0



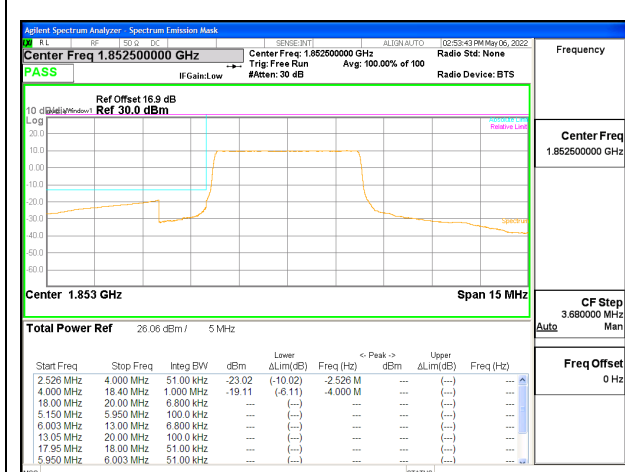
LTE B25 3MHz QPSK High Channel RB15-0



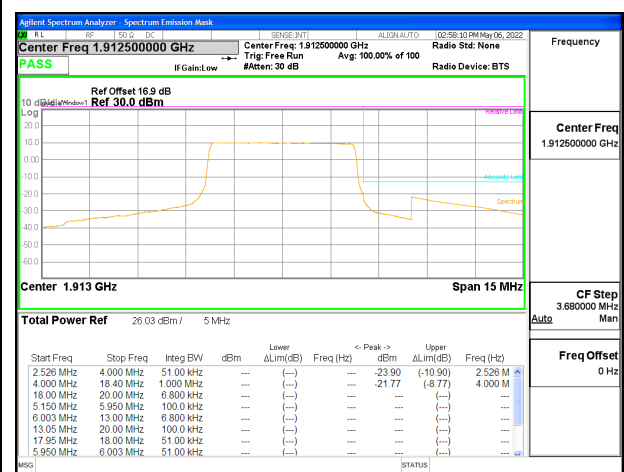
LTE B25 5MHz QPSK Low Channel RB1-0



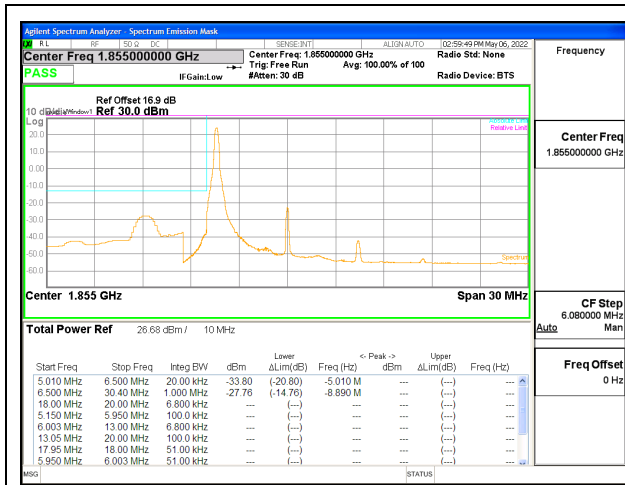
LTE B25 5MHz QPSK High Channel RB1-24



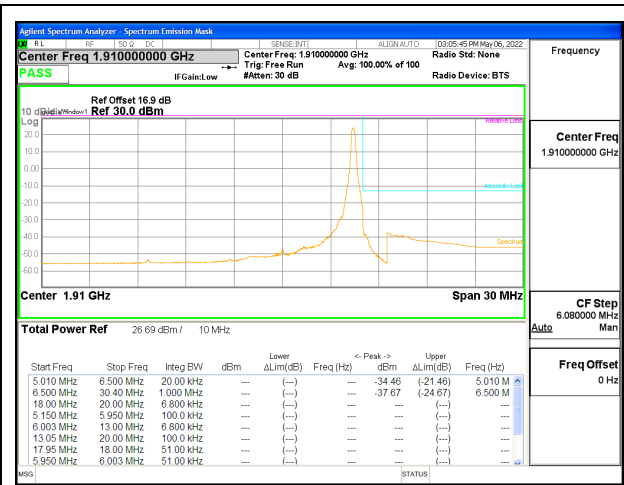
LTE B25 5MHz QPSK Low Channel RB25-0



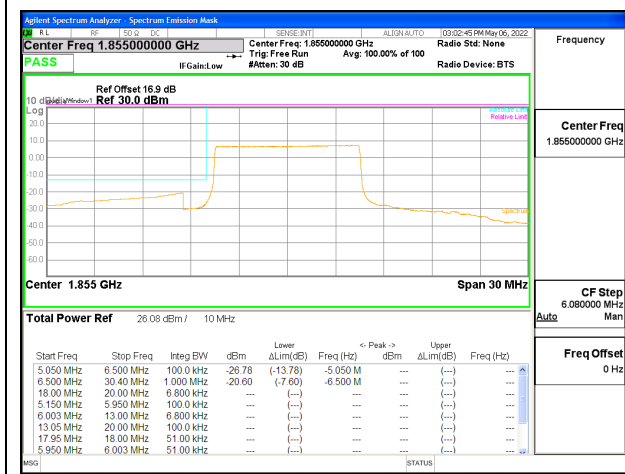
LTE B25 5MHz QPSK High Channel RB25-0



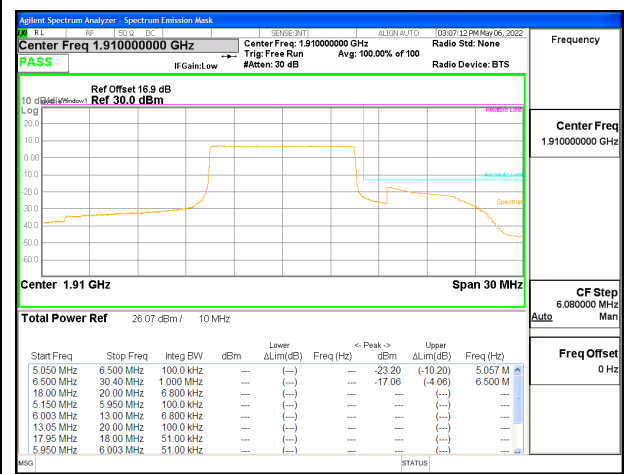
LTE B25 10MHz QPSK Low Channel RB1-0



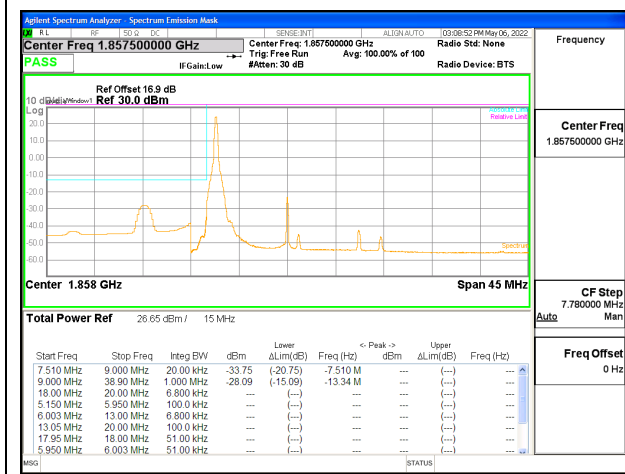
LTE B25 10MHz QPSK High Channel RB1-9



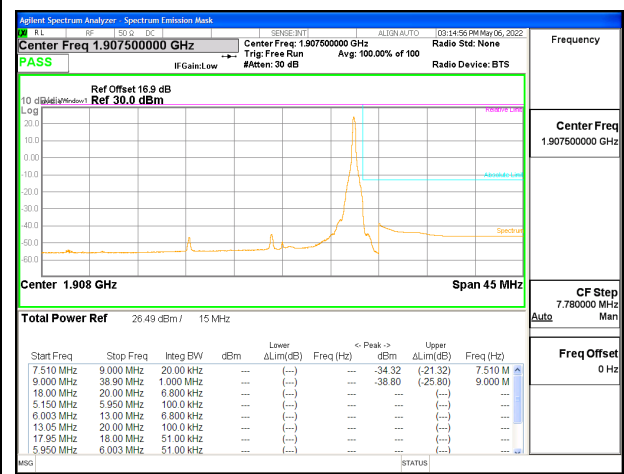
LTE B25 10MHz QPSK Low Channel RB50-0



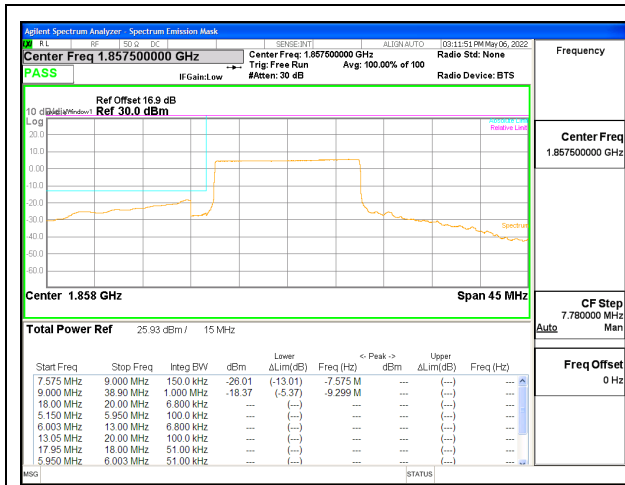
LTE B25 10MHz QPSK High Channel RB50-0



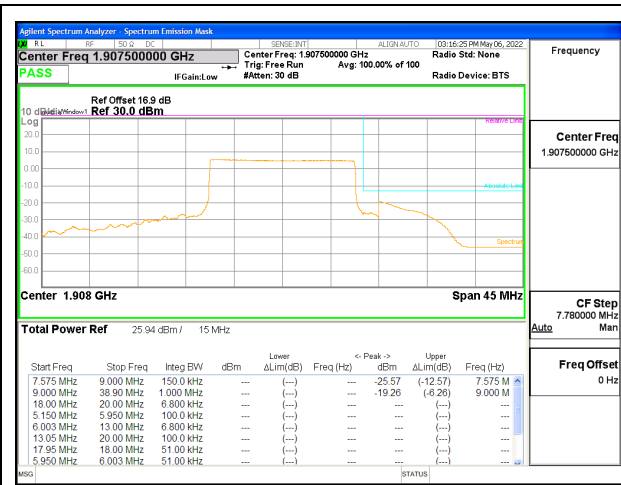
LTE B25 15MHz QPSK Low Channel RB1-0



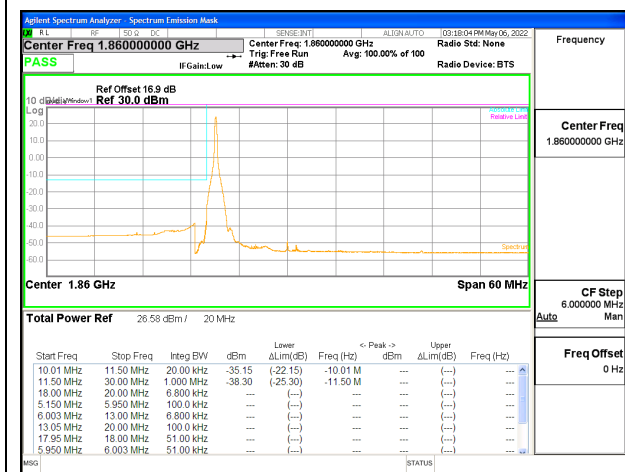
LTE B25 15MHz QPSK High Channel RB1-74



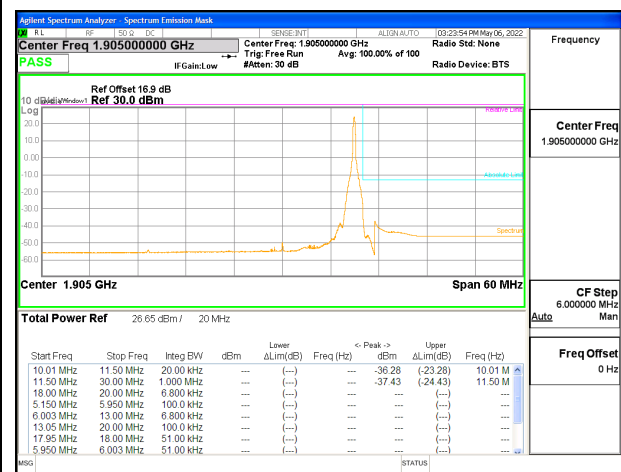
LTE B25 15MHz QPSK Low Channel RB75-0



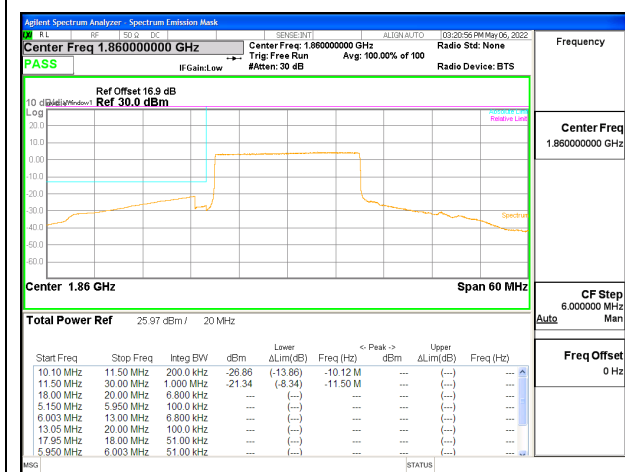
LTE B25 15MHz QPSK High Channel RB75-0



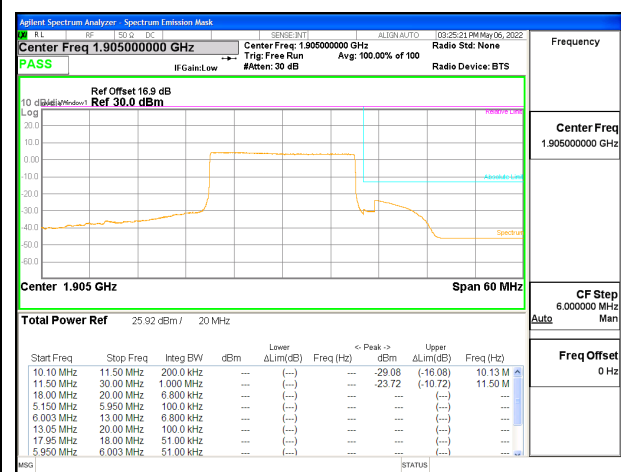
LTE B25 20MHz QPSK Low Channel RB1-0



LTE B25 20MHz QPSK High Channel RB1-99



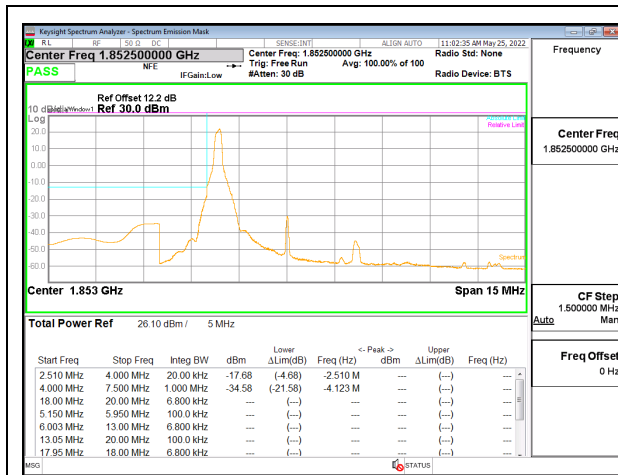
LTE B25 20MHz QPSK Low Channel RB100-0



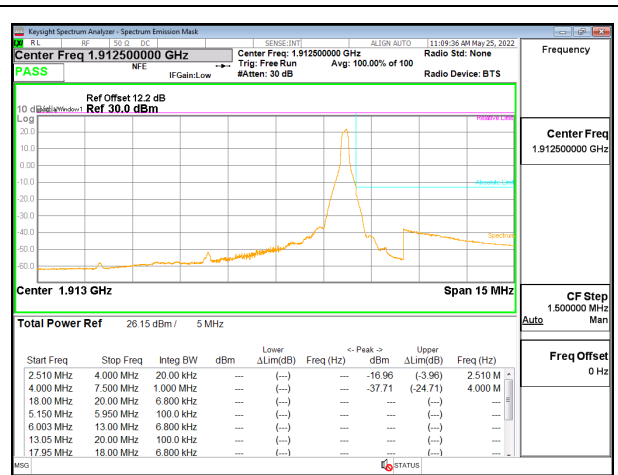
LTE B25 20MHz QPSK High Channel RB100-0

5G NR n25 EMISSION MASK

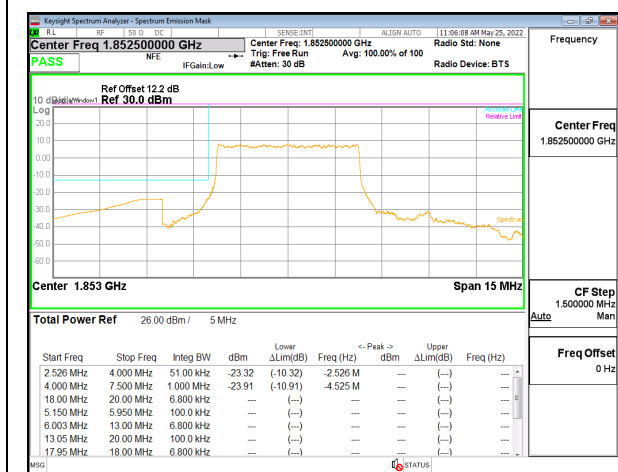
Test Engineer ID: 27957 Test Date: 5/25/2022



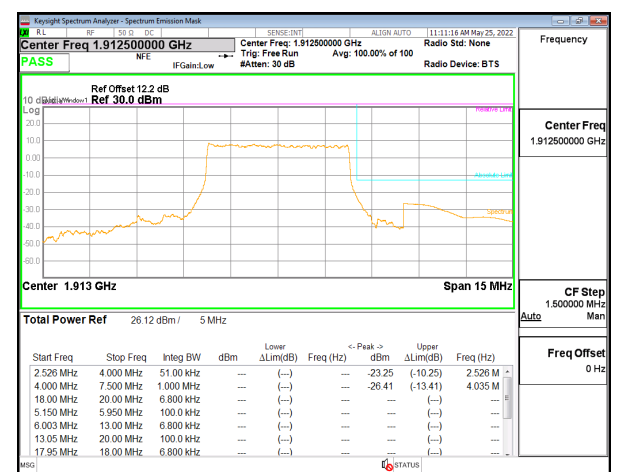
5G NR n25 5MHz BPSK Low Channel RB1-0



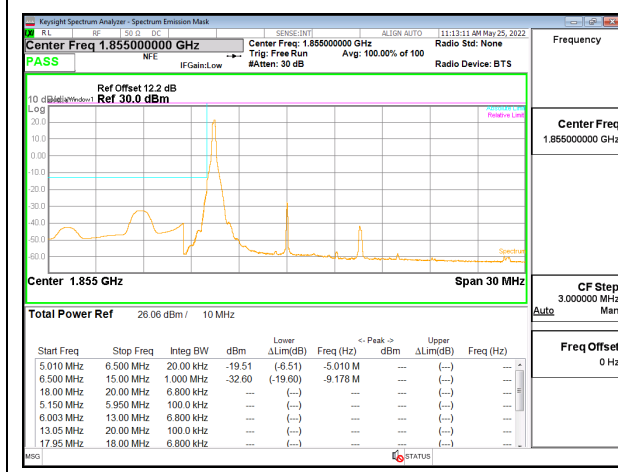
5G NR n25 5MHz BPSK High Channel RB1-24



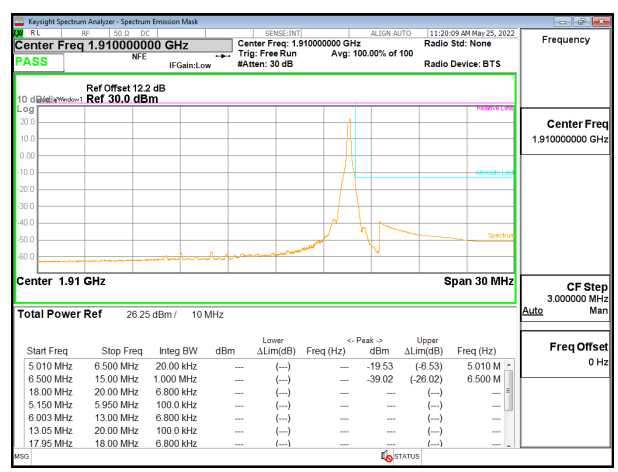
5G NR n25 5MHz BPSK Low Channel RB25-0



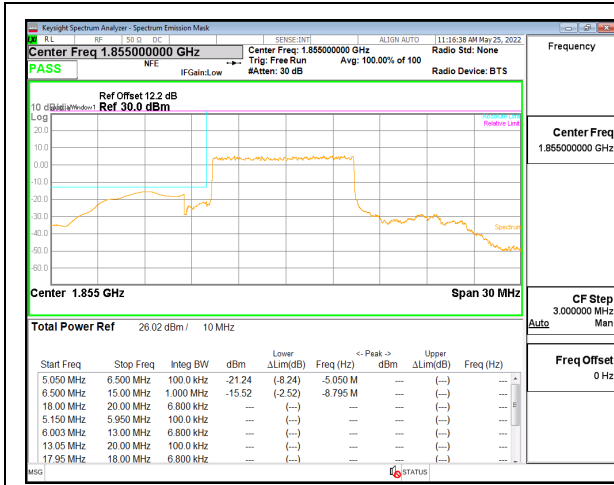
5G NR n25 5MHz BPSK High Channel RB25-0



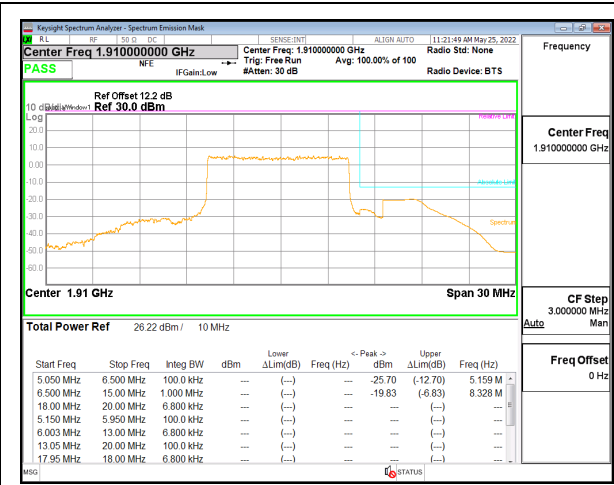
5G NR n25 10MHz BPSK Low Channel RB1-0



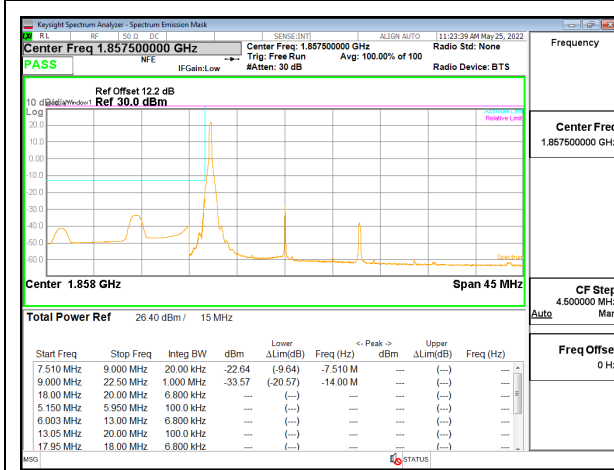
5G NR n25 10MHz BPSK High Channel RB1-51



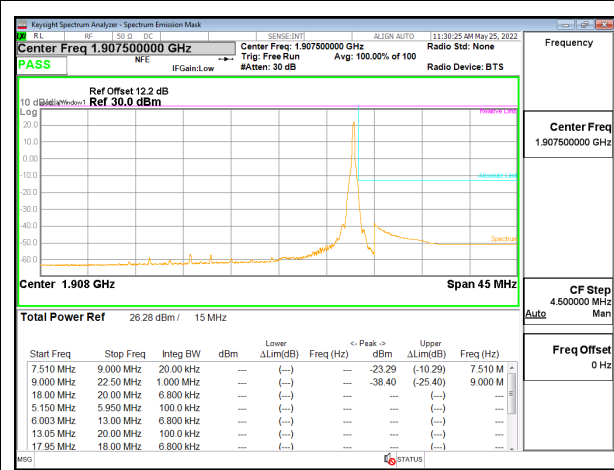
5G NR n25 10MHz BPSK Low Channel RB50-0



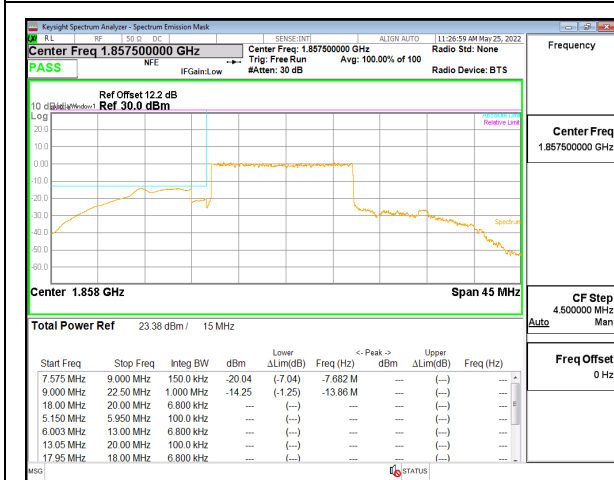
5G NR n25 10MHz BPSK High Channel RB50-0



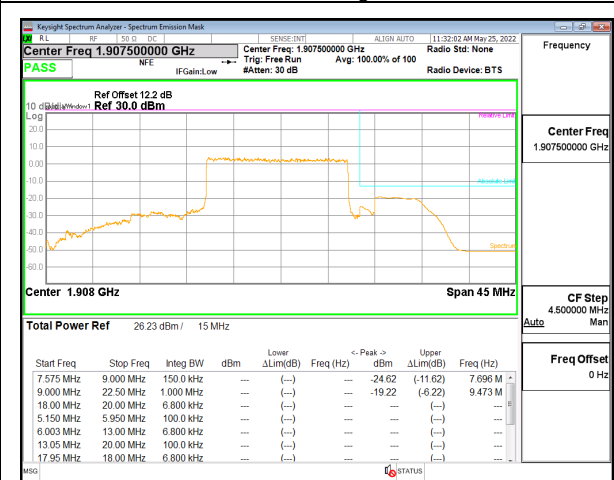
5G NR n25 15MHz BPSK Low Channel RB1-0



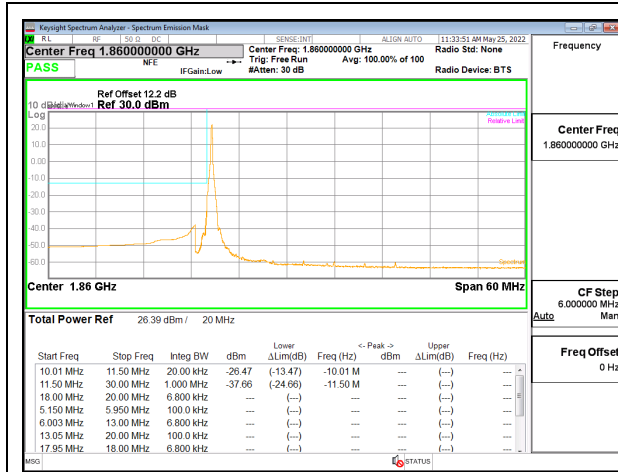
5G NR n25 15MHz BPSK High Channel RB1-78



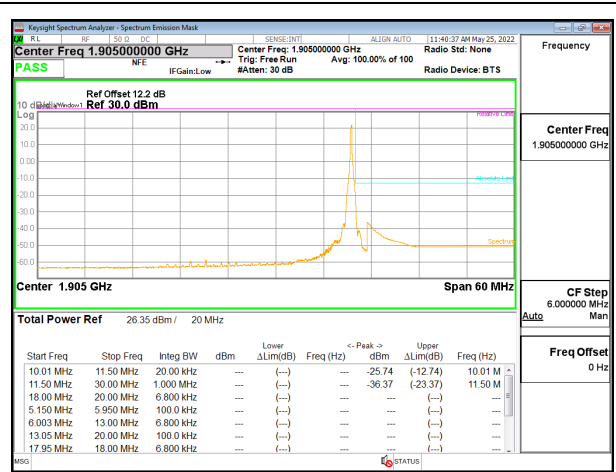
5G NR n25 15MHz BPSK Low Channel RB75-0



5G NR n25 15MHz BPSK High Channel RB75-0



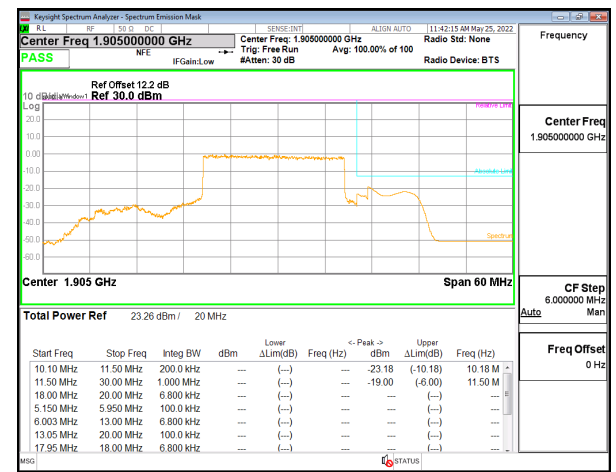
5G NR n25 20MHz BPSK Low Channel RB1-0



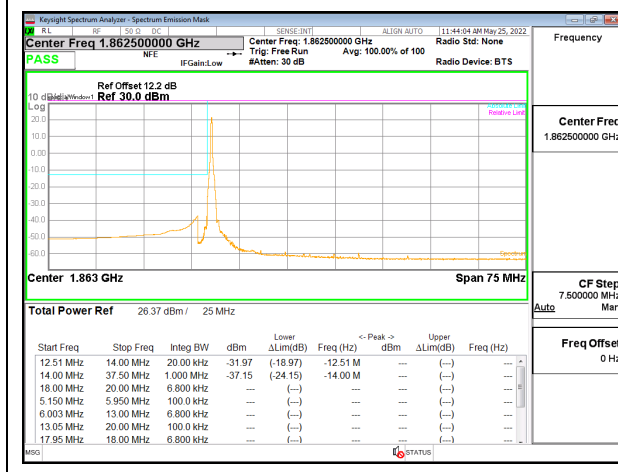
5G NR n25 20MHz BPSK High Channel RB1-105



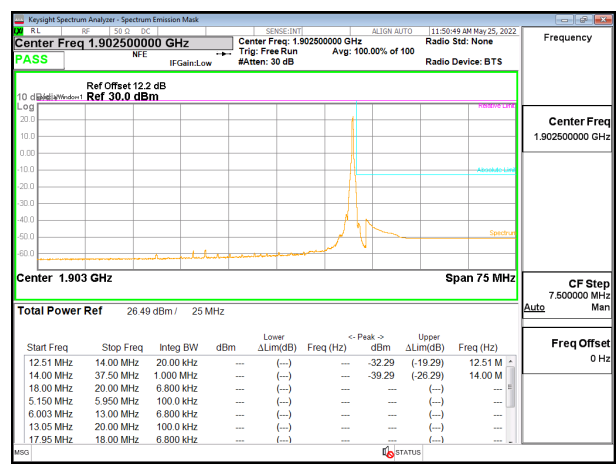
5G NR n25 20MHz BPSK Low Channel RB100-0



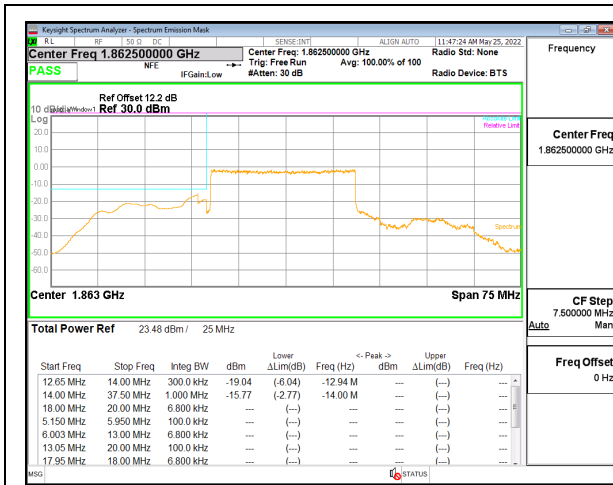
5G NR n25 20MHz BPSK High Channel RB100-0



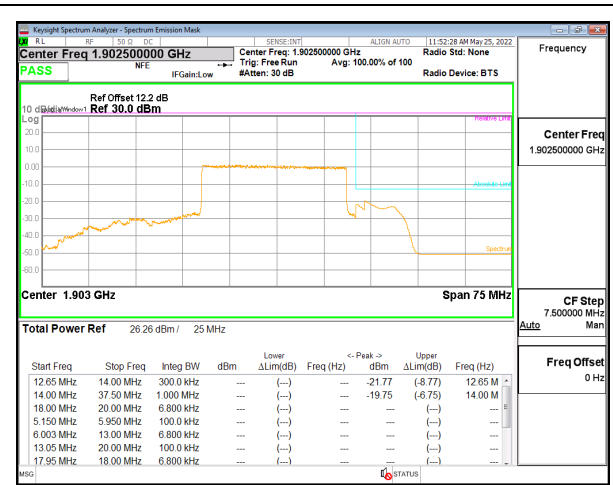
5G NR n25 25MHz BPSK Low Channel RB1-0



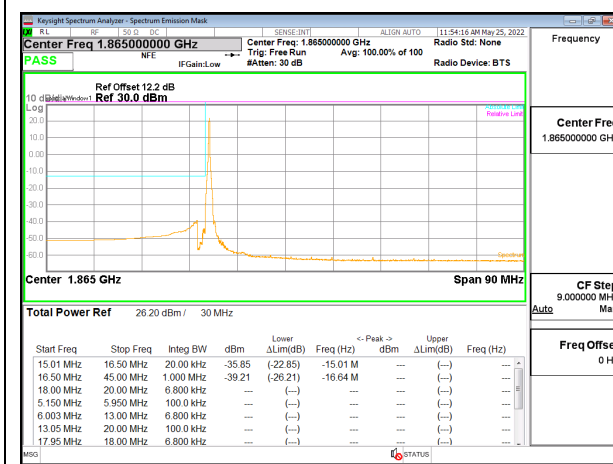
5G NR n25 25MHz BPSK High Channel RB1-132



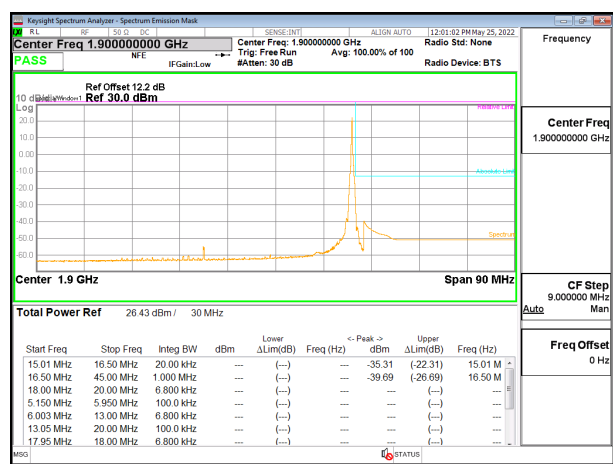
5G NR n25 25MHz BPSK Low Channel RB128-0



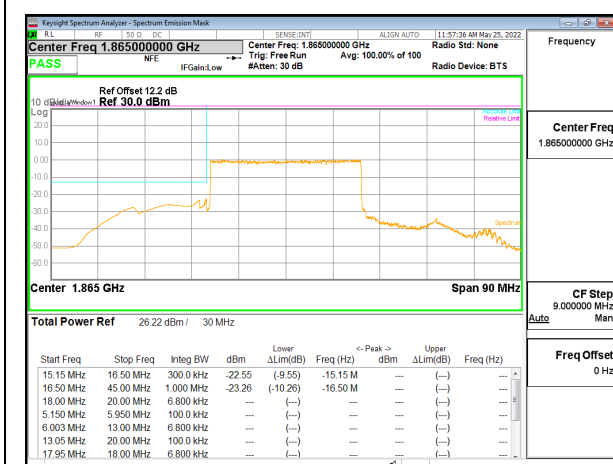
5G NR n25 25MHz BPSK High Channel RB128-0



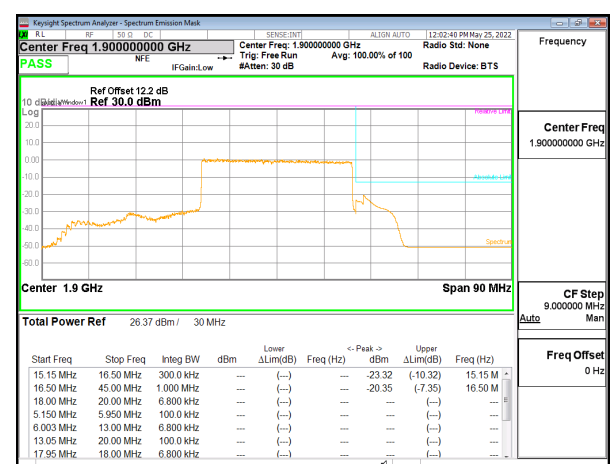
5G NR n25 30MHz BPSK Low Channel RB1-0



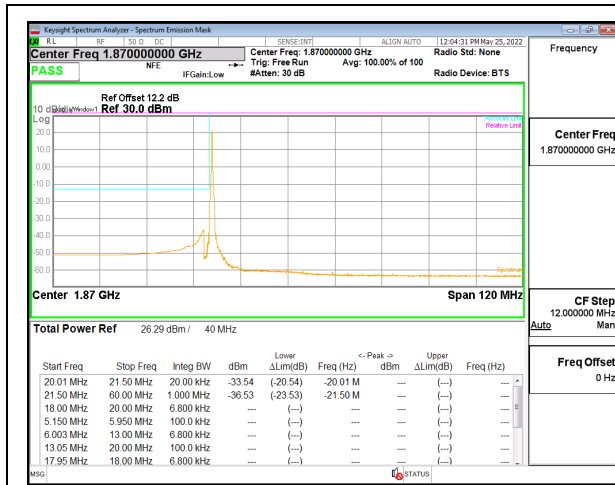
5G NR n25 30MHz BPSK High Channel RB1-159



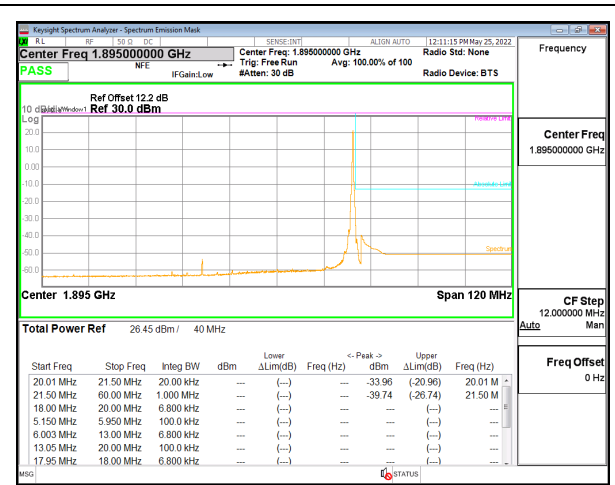
5G NR n25 30MHz BPSK Low Channel RB160-0



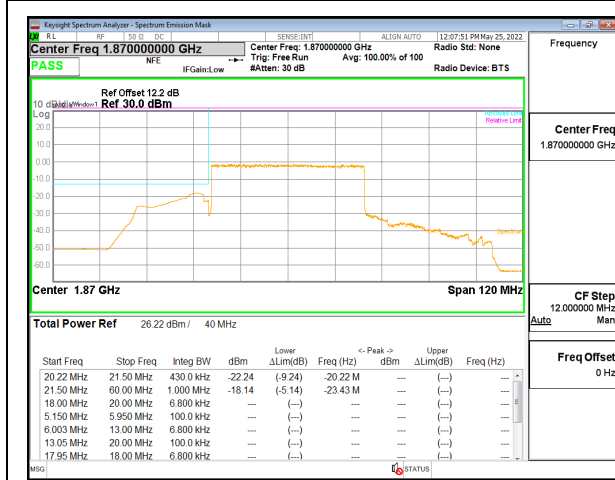
5G NR n25 30MHz BPSK High Channel RB160-0



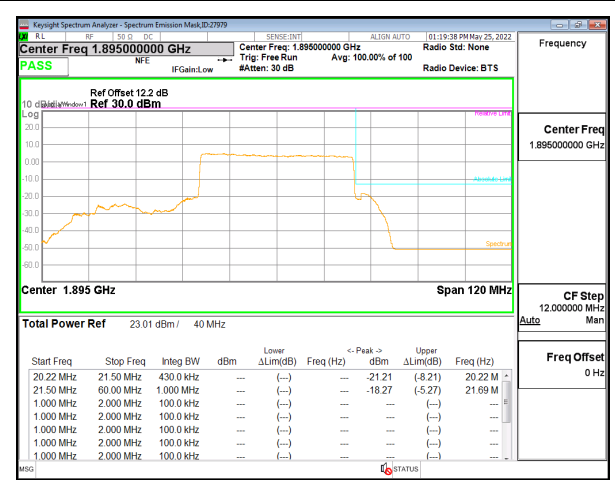
5G NR n25 40MHz BPSK Low Channel RB1-0



5G NR n25 40MHz BPSK High Channel RB21-215



5G NR n25 40MHz BPSK Low Channel RB216-0



5G NR n25 40MHz BPSK High Channel RB216-0

9.2.8. LTE BAND 26 AND 5G NR n26 (FCC PART 90s)

LIMITS

FCC: §90.691 Emission mask requirements for EA-based systems.

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

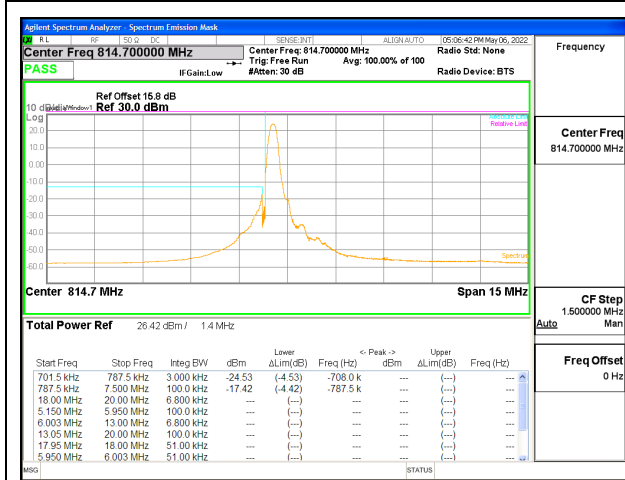
(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

NOTE: According to 971168 D02 Misc Rev Approv License Devices v02r01, Section VIII (c):

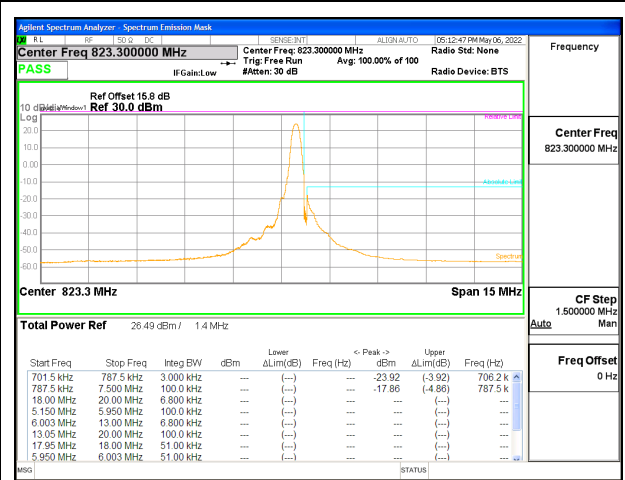
For Section 90.691(a) compliance testing, use RBW = 300 Hz for offsets less than 37.5 kHz from a channel edge; RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.

LTE BAND 26 (90S) EMISSION MASK

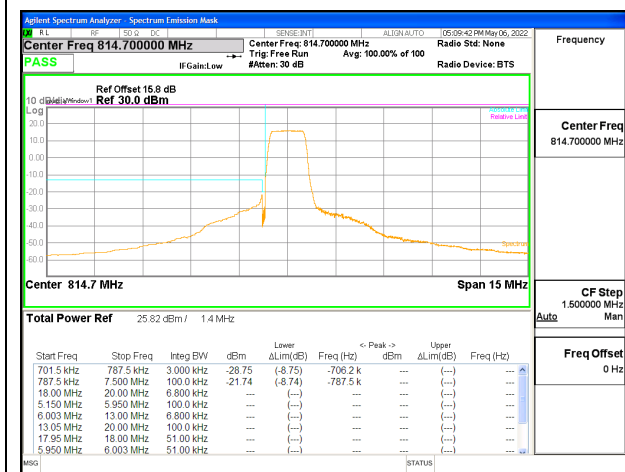
Test Engineer ID: 39004 Test Date: 5/6/2022



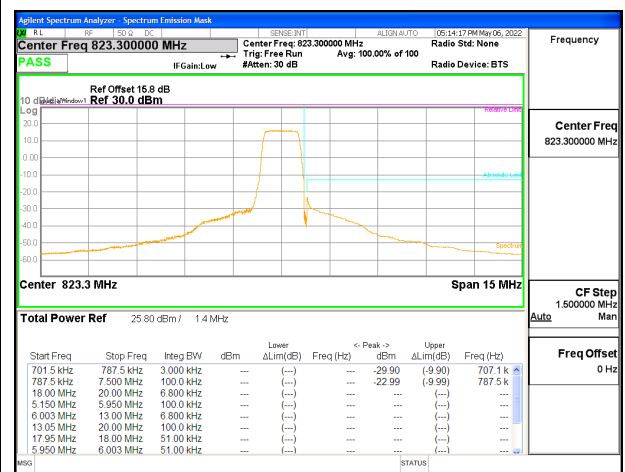
LTE B26 1.4MHz QPSK Low Channel RB1-0



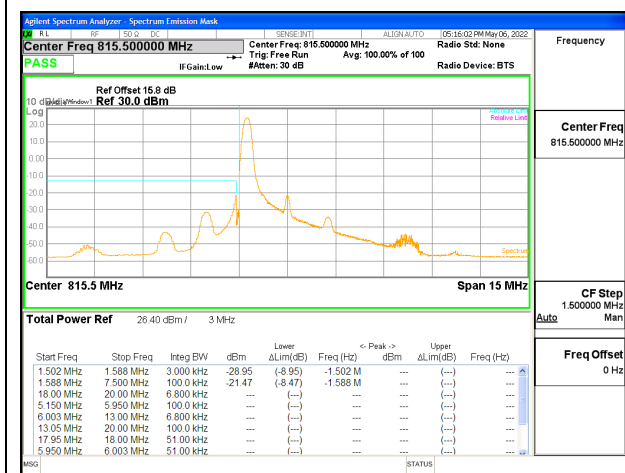
LTE B26 1.4MHz QPSK High Channel RB1-5



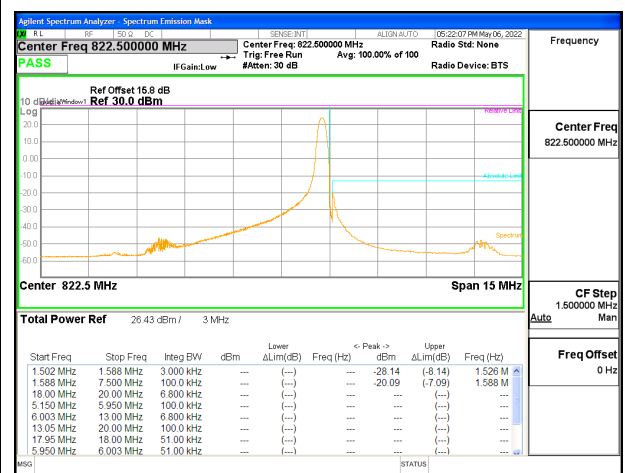
LTE B26 1.4MHz QPSK Low Channel RB6-0



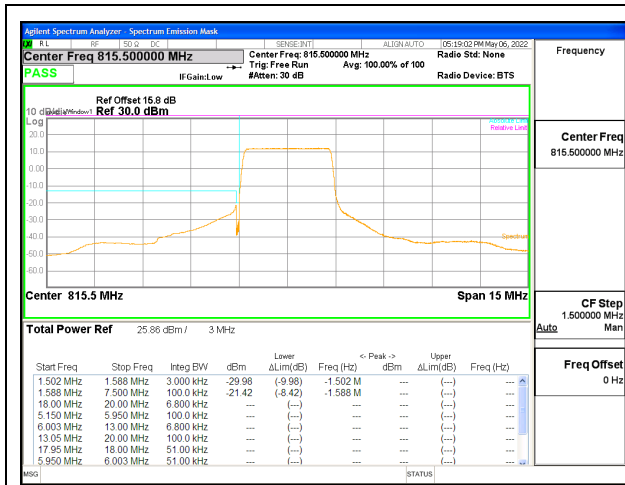
LTE B26 1.4MHz QPSK High Channel RB6-0



LTE B26 3MHz QPSK Low Channel RB1-0



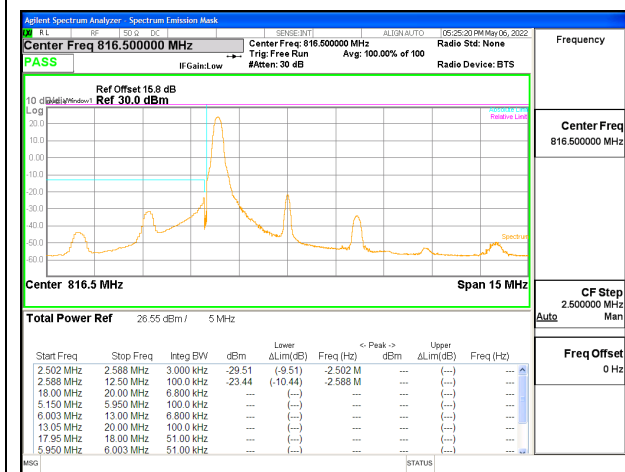
LTE B26 3MHz QPSK High Channel RB1-14



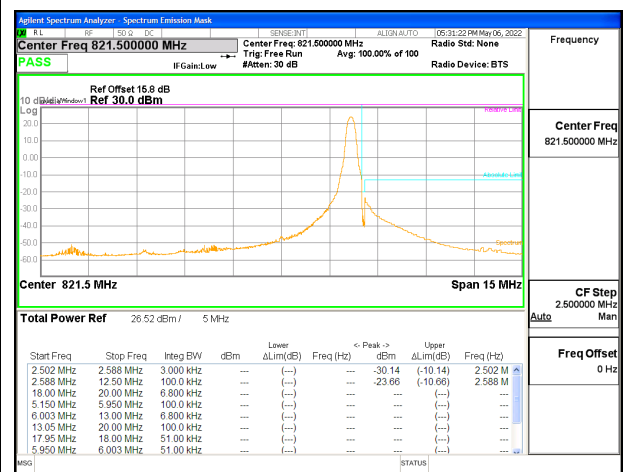
LTE B26 3MHz QPSK Low Channel RB15-0



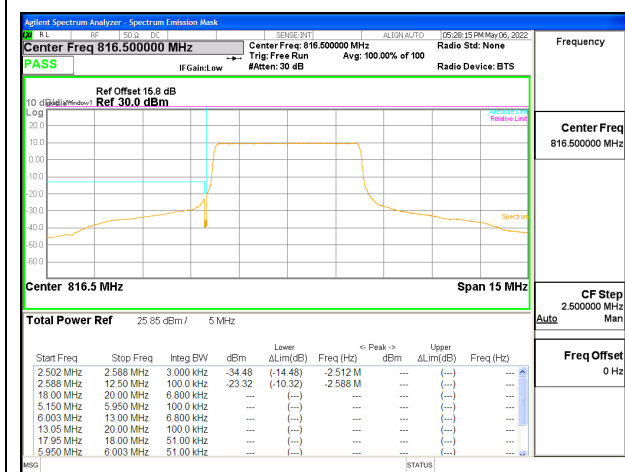
LTE B26 3MHz QPSK High Channel RB15-0



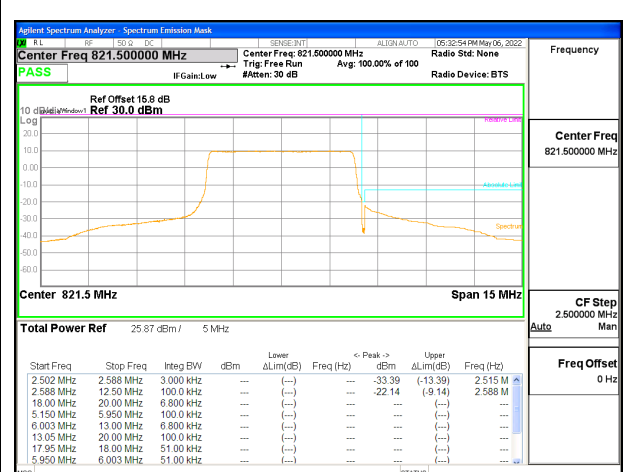
LTE B26 5MHz QPSK Low Channel RB1-0



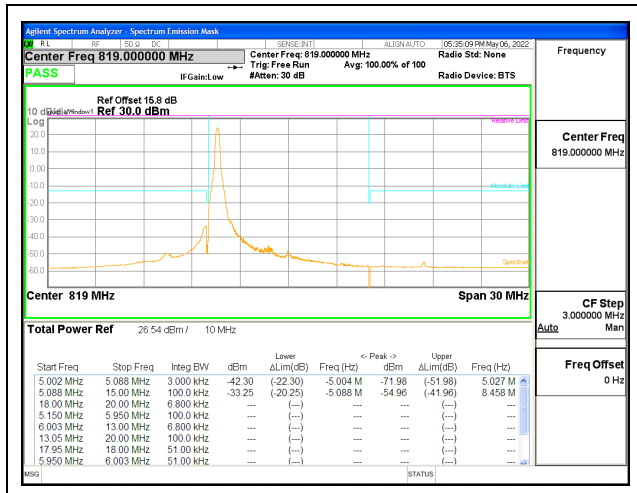
LTE B26 5MHz QPSK High Channel RB1-24



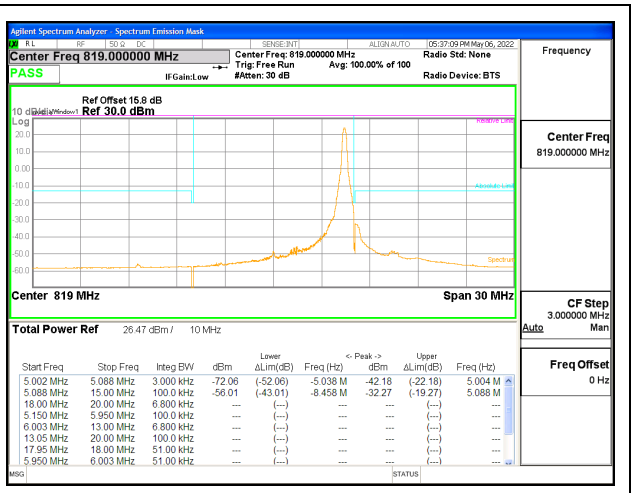
LTE B26 5MHz QPSK Low Channel RB25-0



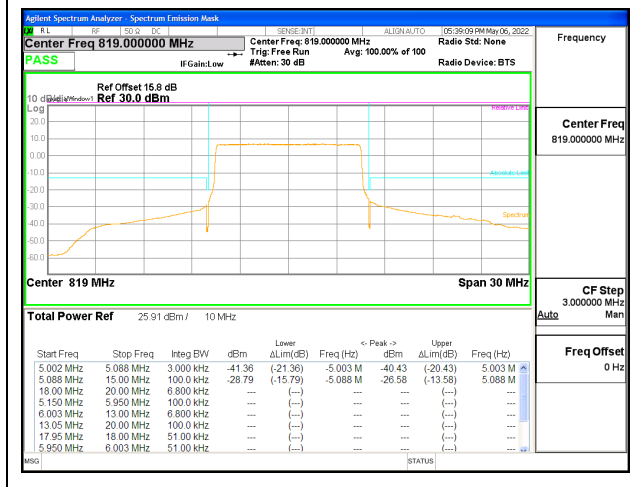
LTE B26 5MHz QPSK High Channel RB25-0



LTE B26 10MHz QPSK Middle Channel RB1-0



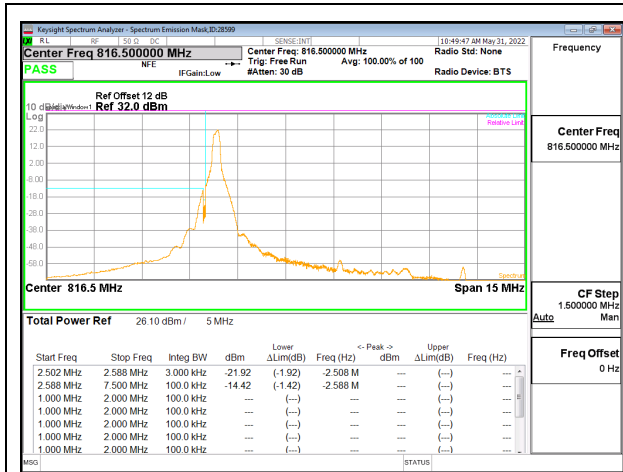
LTE B26 10MHz QPSK Middle Channel RB1-49



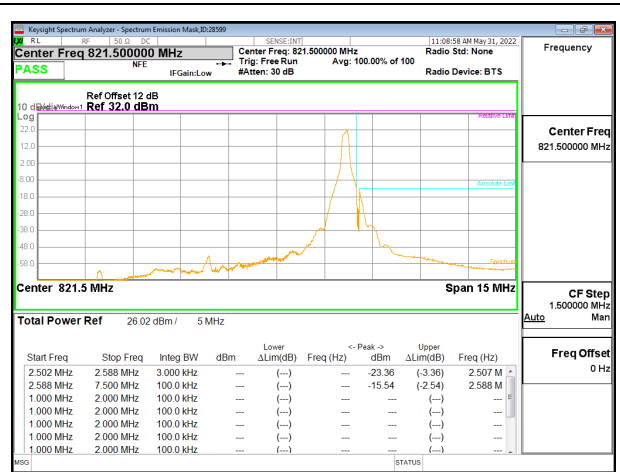
LTE B26 10MHz QPSK Middle Channel RB50-0

5G NR n26 (90S) EMISSION MASK

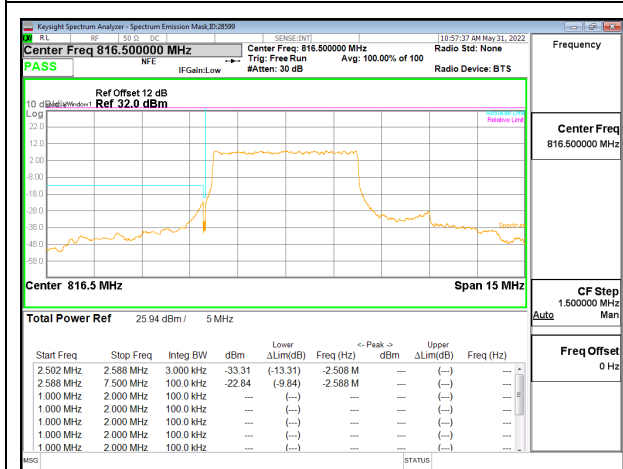
Test Engineer ID: 28599 Test Date: 5/25/2022



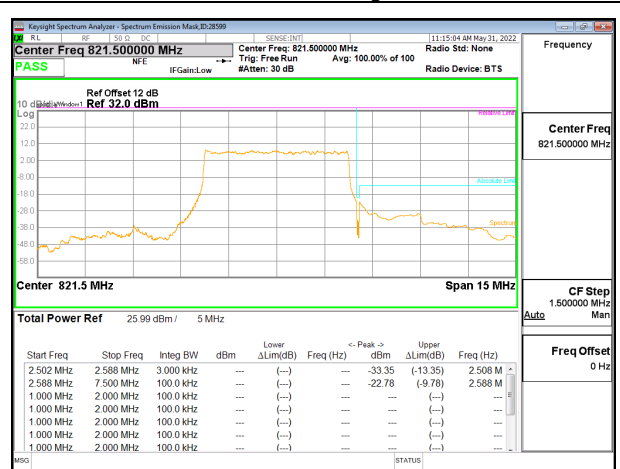
5G NR n26 90s 5MHz QPSK Low Channel RB1-0



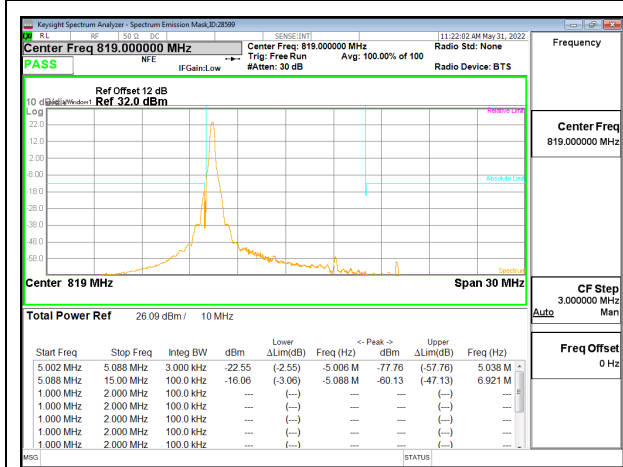
5G NR n26 90s 5MHz QPSK High Channel RB1-24



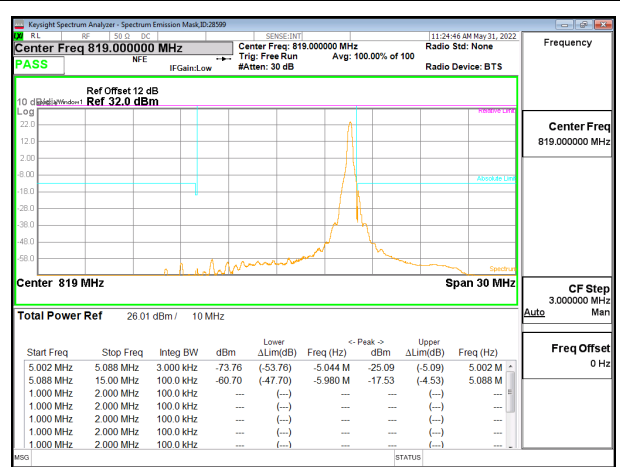
5G NR n26 90s 5MHz QPSK Low Channel RB25-0



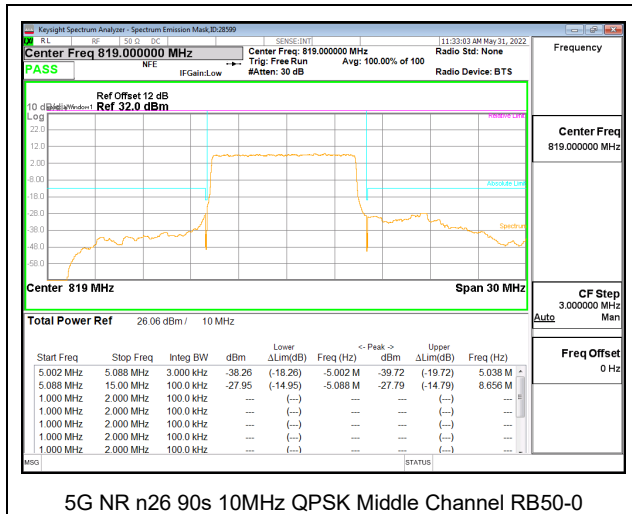
5G NR n26 90s 5MHz QPSK High Channel RB25-0



5G NR n26 90s 10MHz QPSK Middle Channel RB1-0



5G NR n26 90s 10MHz QPSK Middle Channel RB1-51



9.2.9. LTE BAND 26 EMISSION MASK (FCC PART 22)

LIMITS

FCC: §22.917 (a)

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

LTE BAND 26 EMISSION MASK

Test Engineer ID:

39004

Test Date:

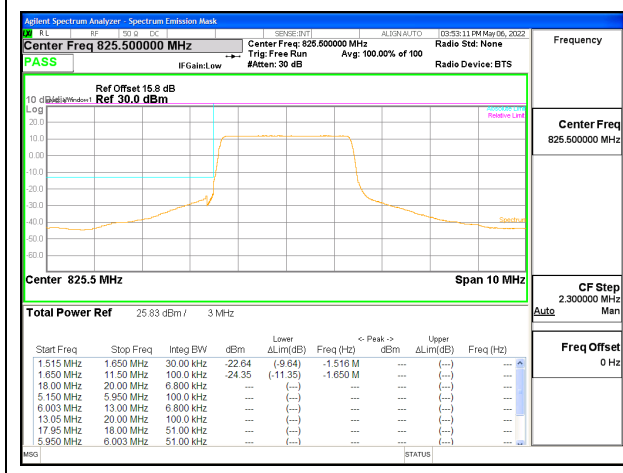
6/12/2022



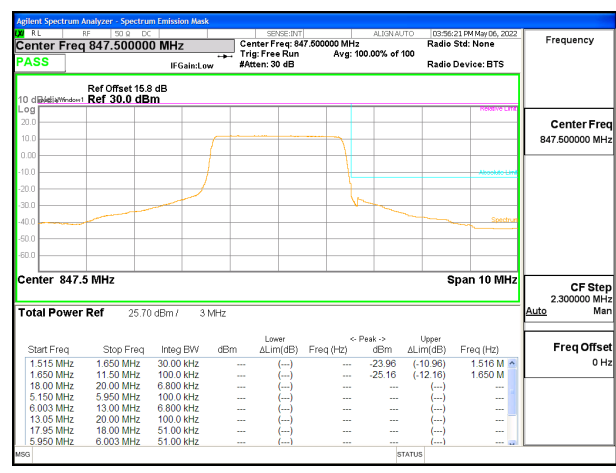
LTE B26 1.4MHz QPSK Low Channel RB6-0



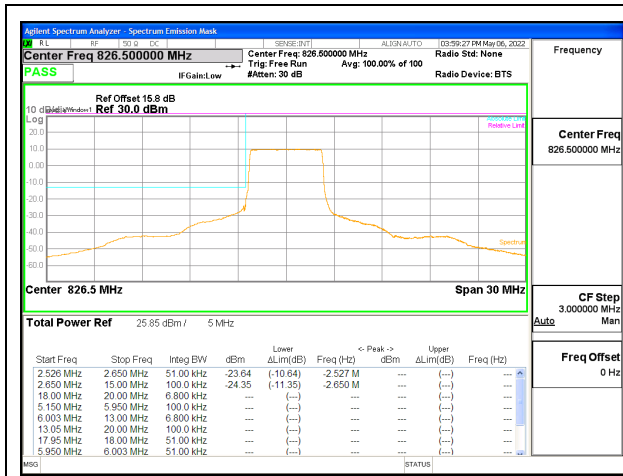
LTE B26 1.4MHz QPSK High Channel RB6-0



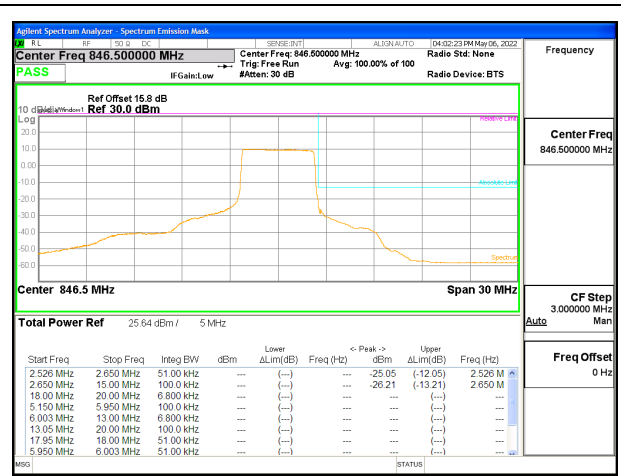
LTE B26 3MHz QPSK Low Channel RB15-0



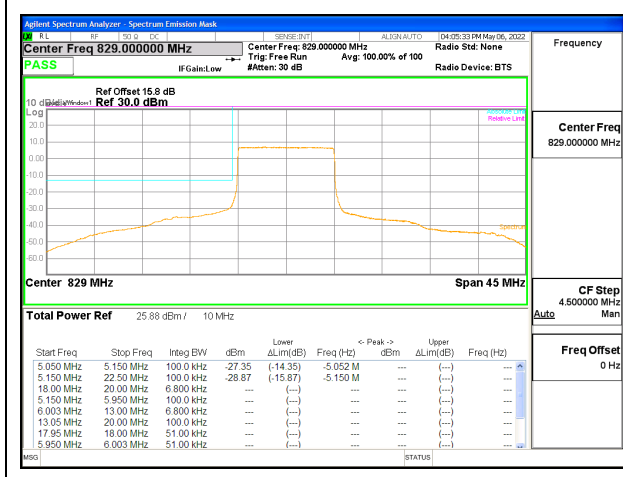
LTE B26 3MHz QPSK High Channel RB15-0



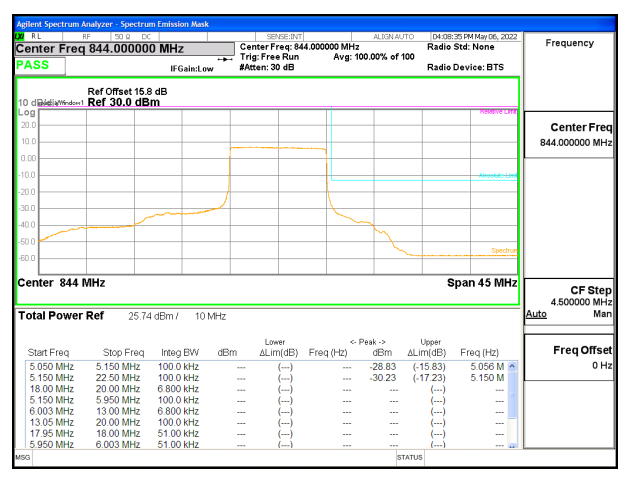
LTE B26 5MHz QPSK Low Channel RB25-0



LTE B26 5MHz QPSK High Channel RB25-0



LTE B26 10MHz QPSK Low Channel RB50-0



LTE B26 10MHz QPSK High Channel RB50-0

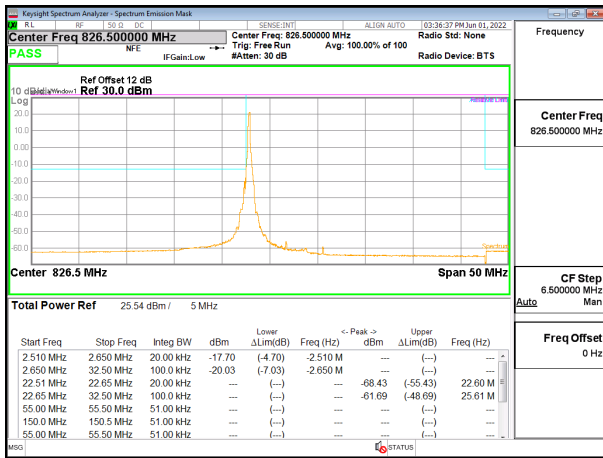
5G NR n26 EMISSION MASK

Test Engineer ID:

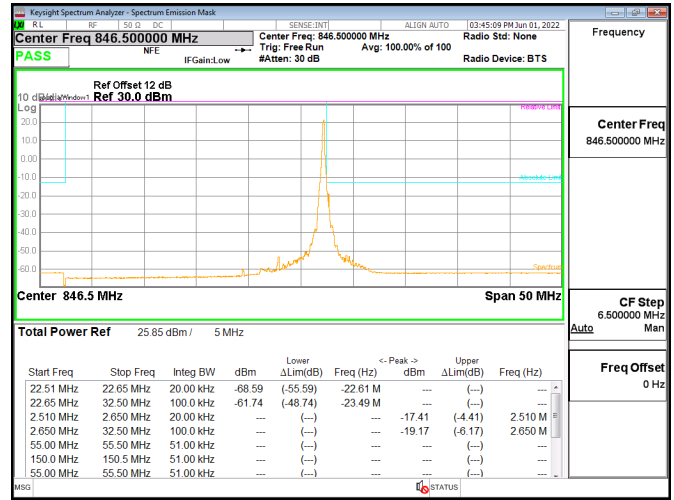
52275

Test Date:

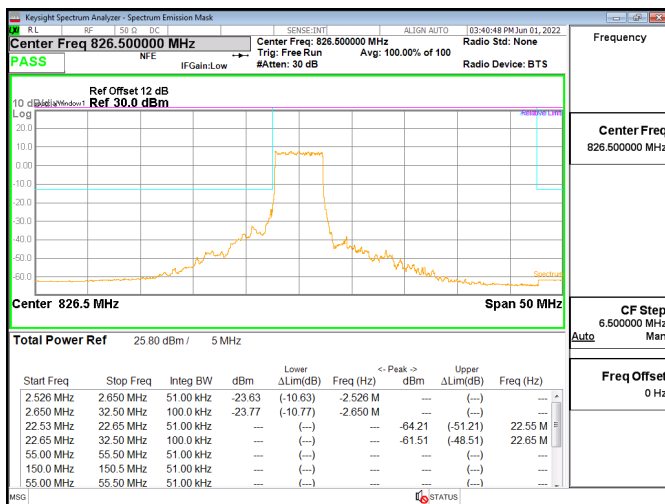
6/1/2022



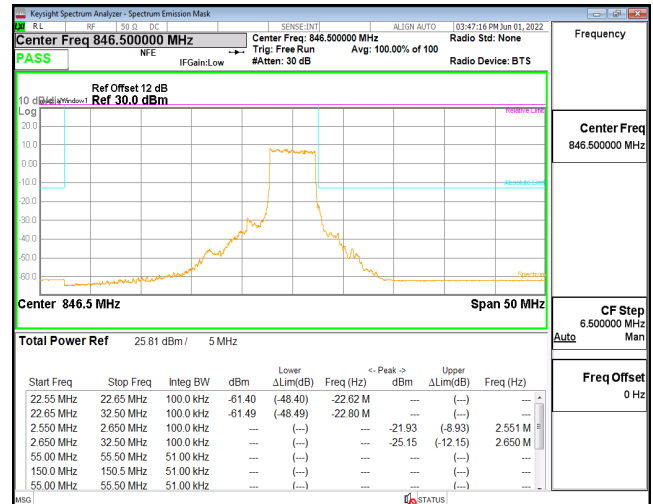
5G NR n26 5MHz BPSK Low Channel RB1-0



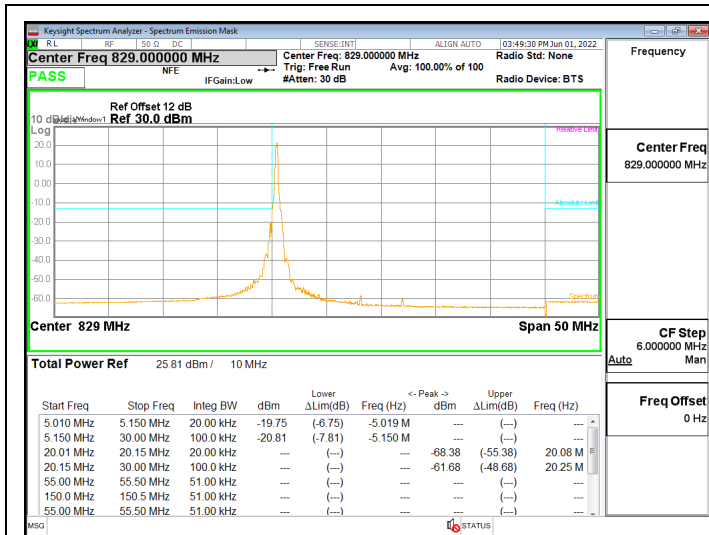
5G NR n26 5MHz BPSK High Channel RB1-24



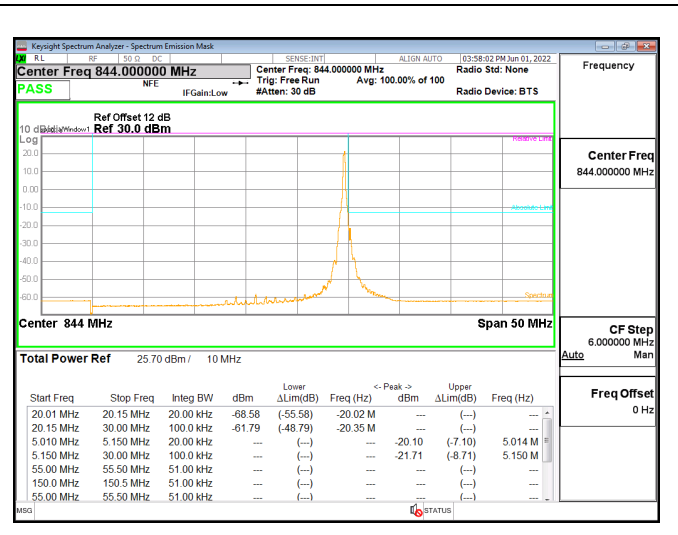
5G NR n26 5MHz BPSK Low Channel RB25-0



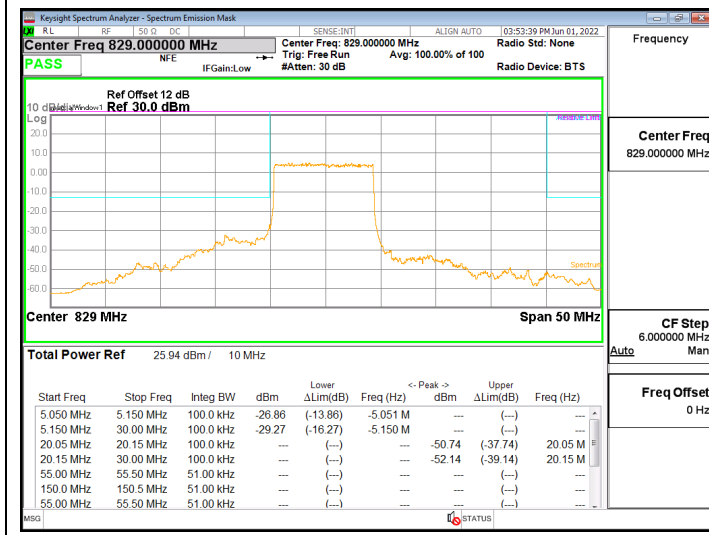
5G NR n26 5MHz BPSK High Channel RB25-0



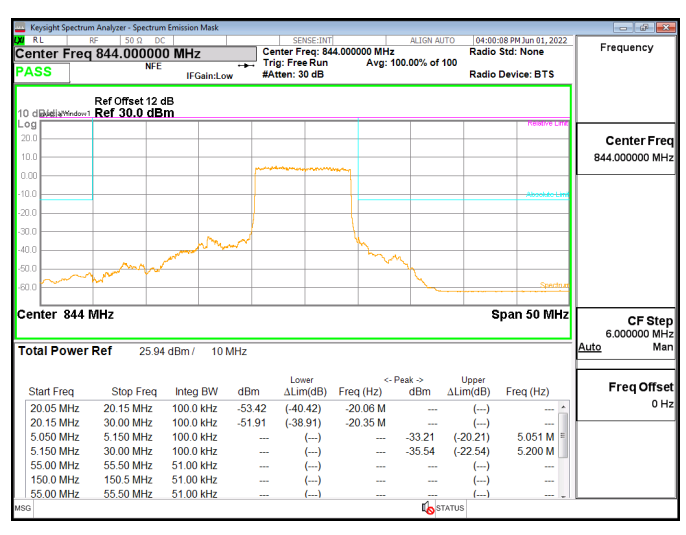
5G NR n26 10MHz BPSK Low Channel RB1-0



5G NR n26 10MHz BPSK High Channel RB1-51



5G NR n26 10MHz BPSK Low Channel RB50-0



5G NR n26 10MHz BPSK High Channel RB50-0

9.2.10. LTE BAND 30 AND 5G NR n30 EMISSION MASK

LIMITS

FCC: §27.53

(a) For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

(4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

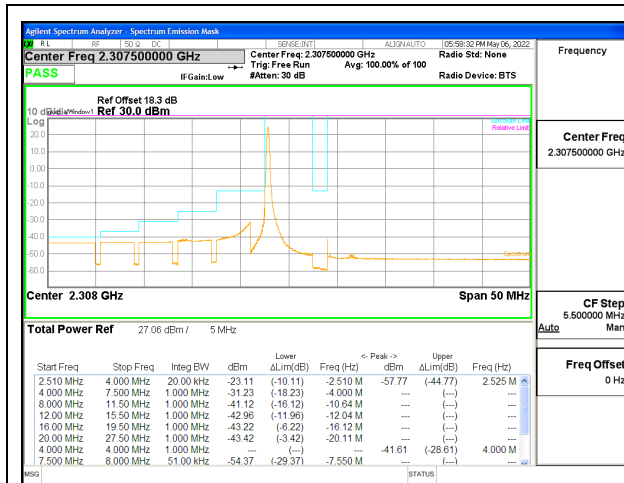
(i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz;

(ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;

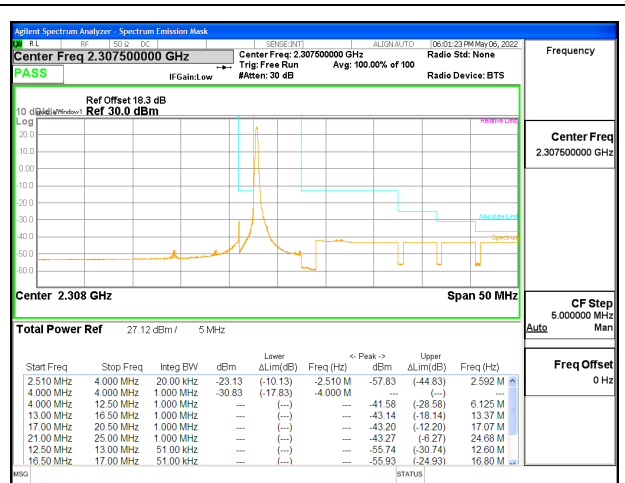
(iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

LTE BAND 30 EMISSION MASK

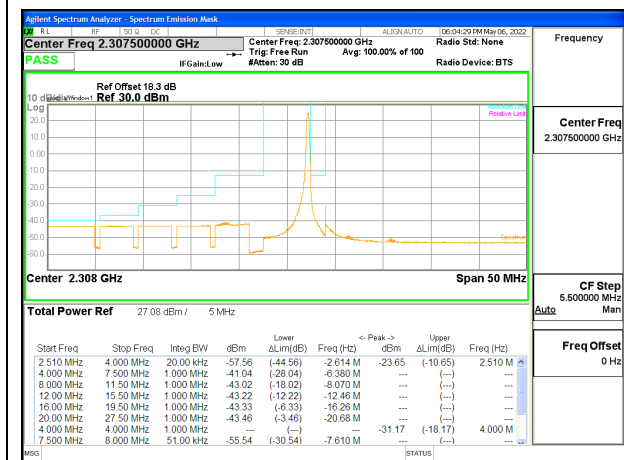
Test Engineer ID: 39004 Test Date: 5/6/2022



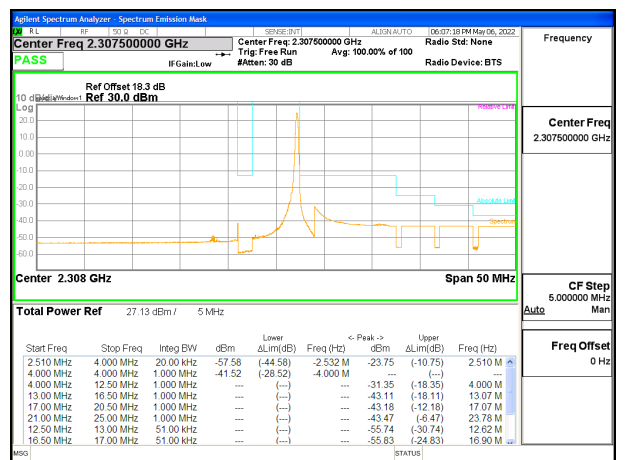
LTE B30 5MHz QPSK Low Channel RB1-0(Low)



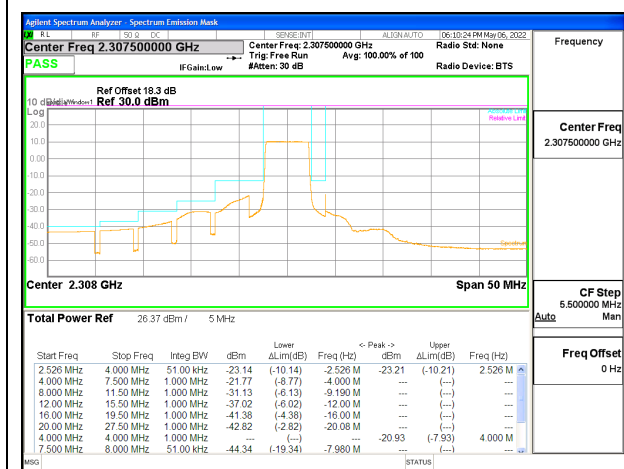
LTE B30 5MHz QPSK Low Channel RB1-0(High)



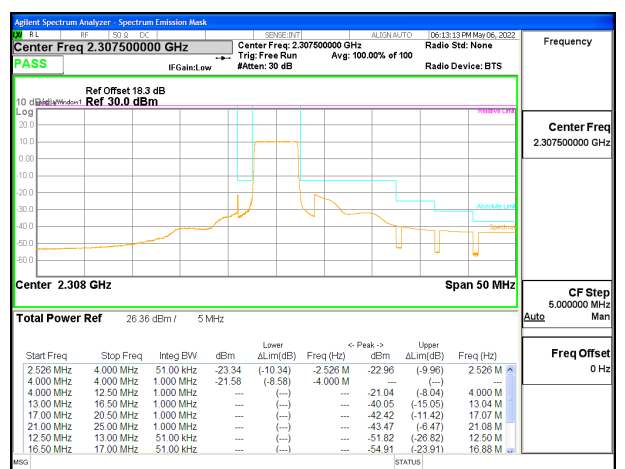
LTE B30 5MHz QPSK Low Channel RB1-24(Low)



LTE B30 5MHz QPSK Low Channel RB1-24 (High)



LTE B30 5MHz QPSK Low Channel RB25-0(Low)



LTE B30 5MHz QPSK Low Channel RB25-0(High)