

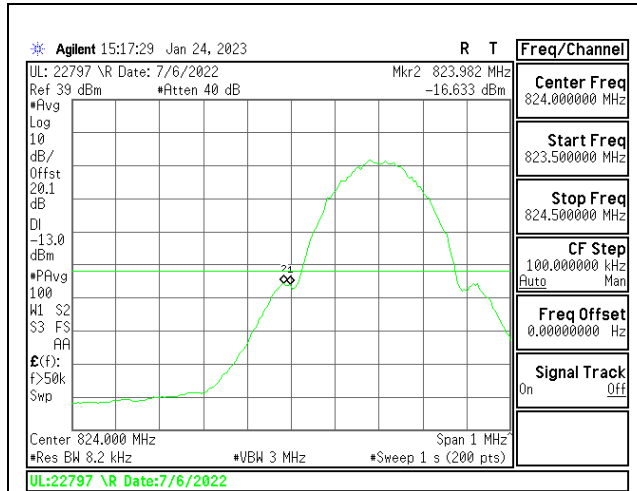
9.2.1. GSM850

LIMITS

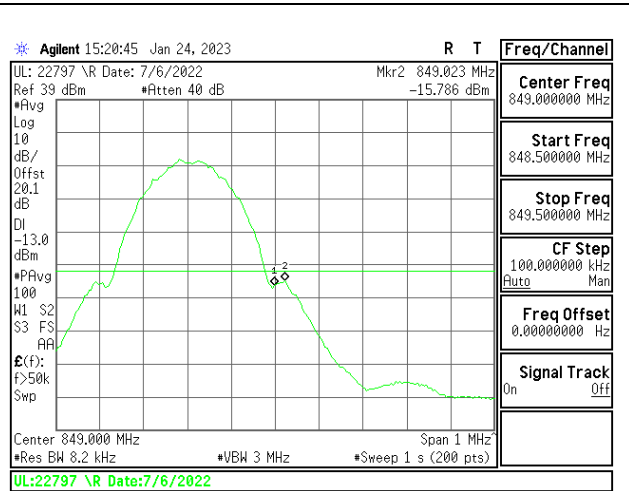
FCC: §22.917 (a)

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.

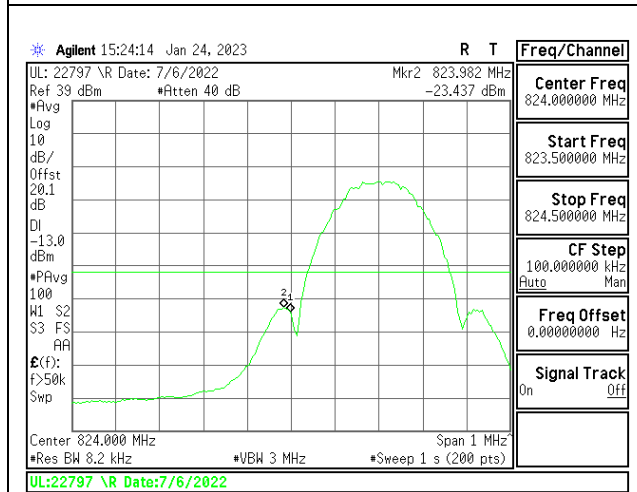
Test Engineer ID:	22797/44389	Test Date:	2023-01-24	EUT Serial Number:	QV77000MFN
-------------------	-------------	------------	------------	--------------------	------------



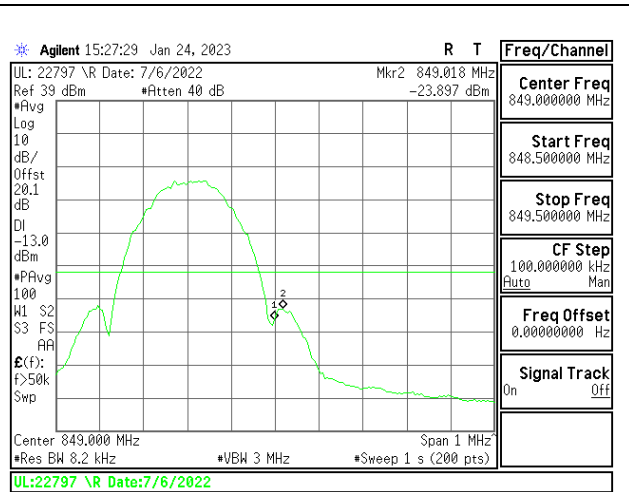
GSM850 GPRS LOW Channel



GSM850 GPRS HIGH Channel



GSM850 EGPRS LOW Channel



GSM850 EGPRS HIGH Channel

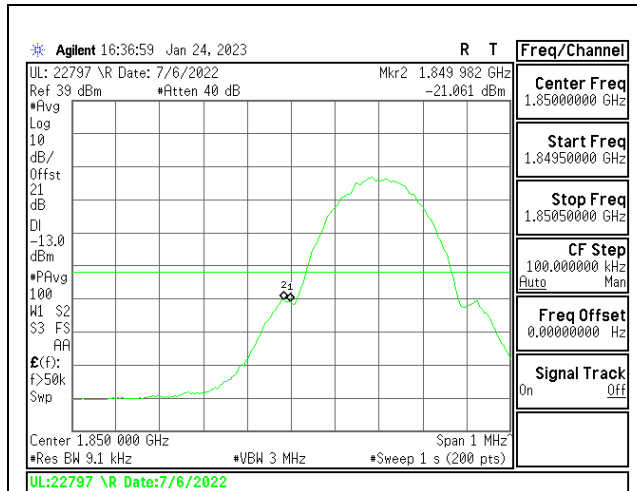
### 9.2.2. GSM1900

#### LIMITS

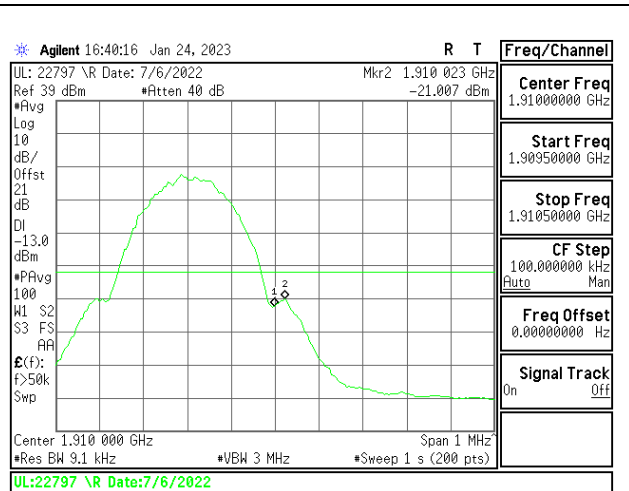
FCC: §24.238 (a)

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.

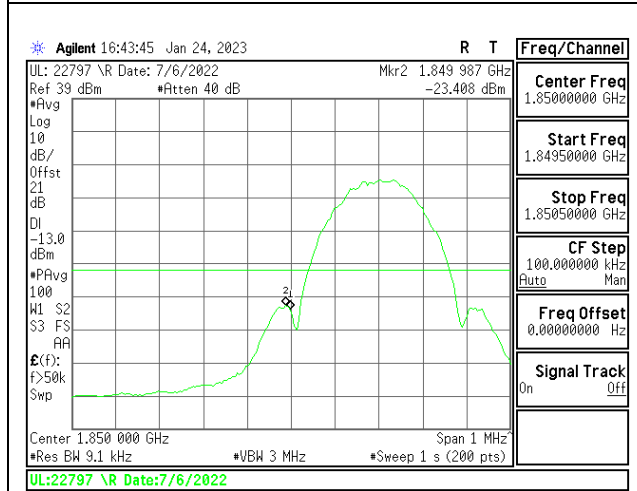
<b>Test Engineer ID:</b>	22797/44389	<b>Test Date:</b>	2023-01-24	<b>EUT Serial Number:</b>	QV77000MFN
--------------------------	-------------	-------------------	------------	---------------------------	------------



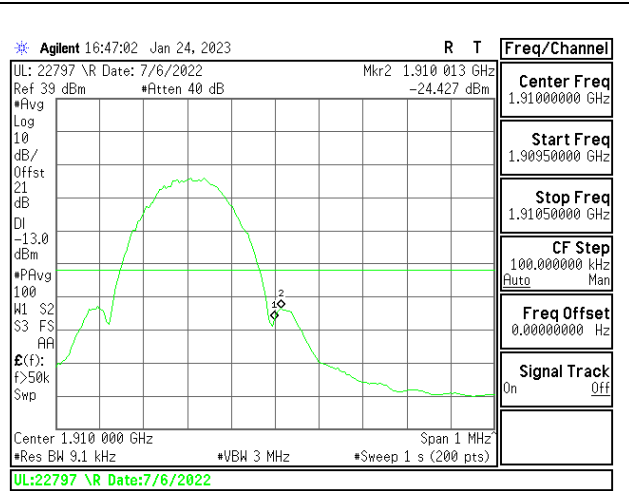
GSM1900 GPRS LOW Channel



GSM1900 GPRS HIGH Channel



GSM1900 EGPRS LOW Channel



GSM1900 EGPRS HIGH Channel

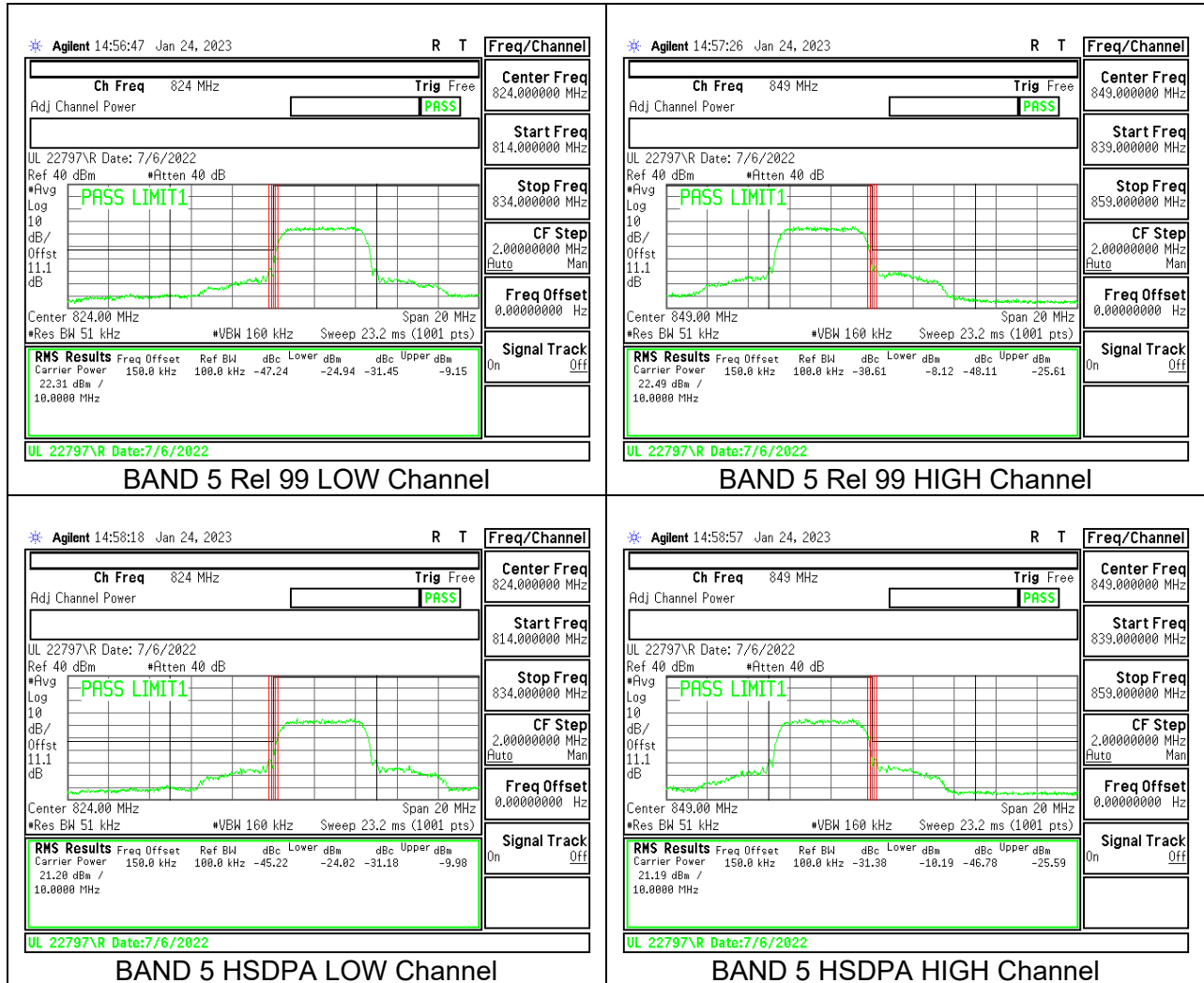
### 9.2.3. WCDMA BAND 5

#### 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.

<b>Test Engineer ID:</b>	22797/44389	<b>Test Date:</b>	2023-01-24	<b>EUT Serial Number:</b>	QV7700MFM
--------------------------	-------------	-------------------	------------	---------------------------	-----------

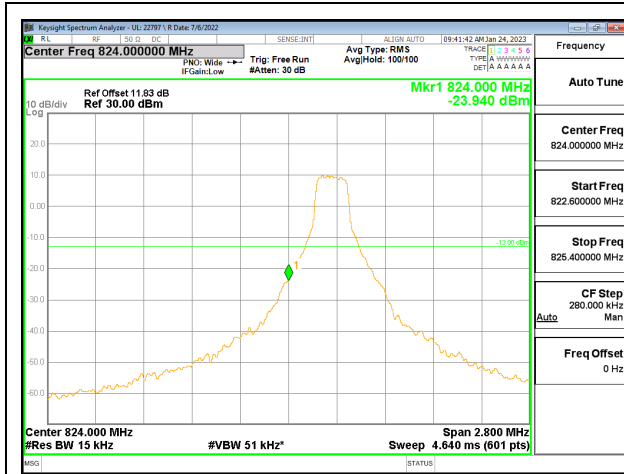


**9.2.4. LTE5****LIMITS**

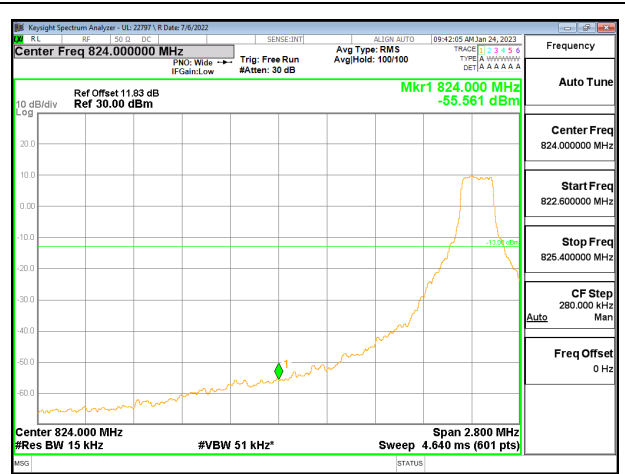
FCC: §22.917 (a)

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.

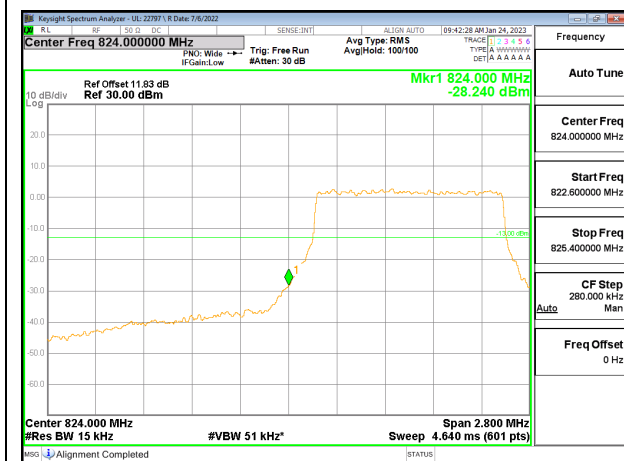
<b>Test Engineer ID:</b>	22797/44389	<b>Test Date:</b>	2023-01-24	<b>EUT Serial Number:</b>	QV7700HTFN
--------------------------	-------------	-------------------	------------	---------------------------	------------



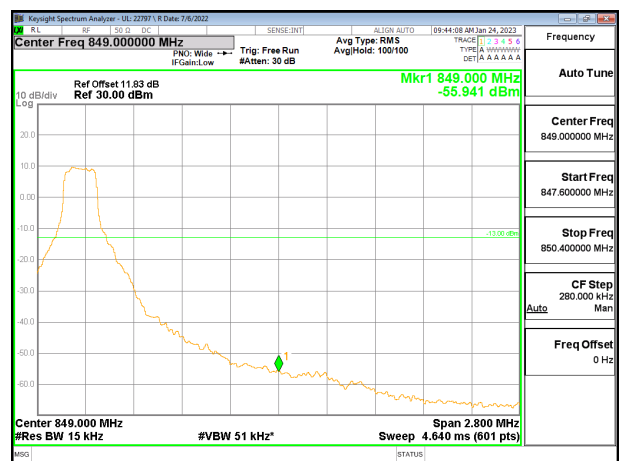
LTE5 1.4MHz QPSK LOW Ch RB1-0



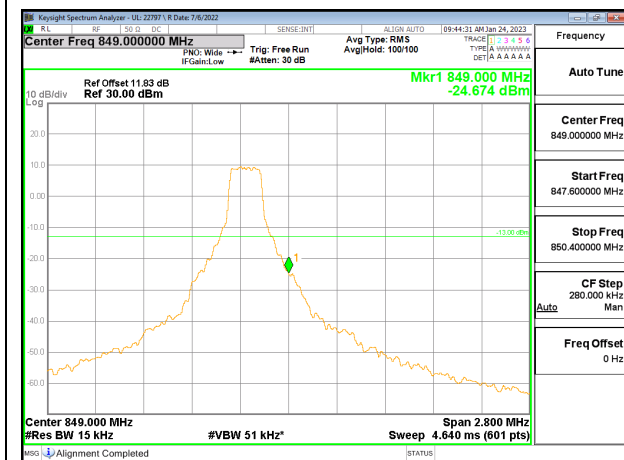
LTE5 1.4MHz QPSK LOW Ch RB1-5



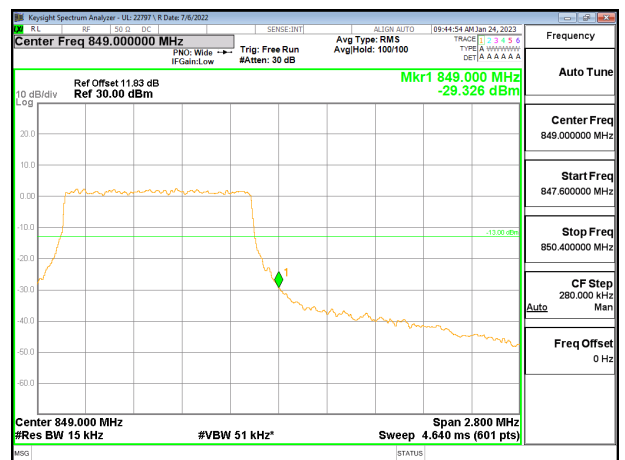
LTE5 1.4MHz QPSK LOW Ch RB6-0



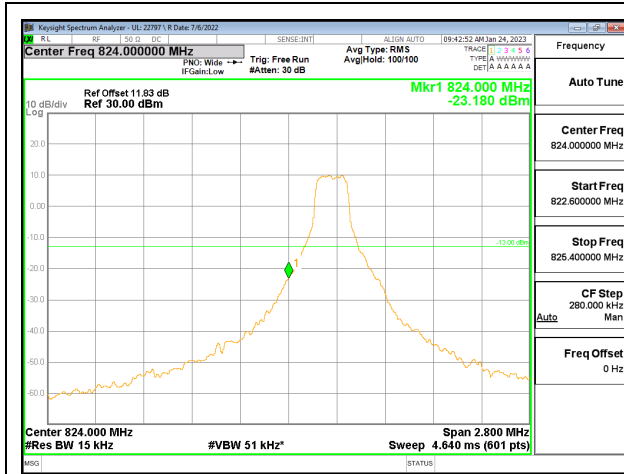
LTE5 1.4MHz QPSK HIGH Ch RB1-0



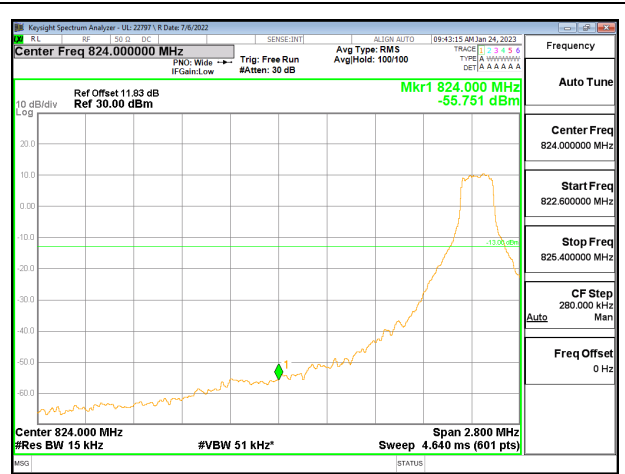
LTE5 1.4MHz QPSK HIGH Ch RB1-5



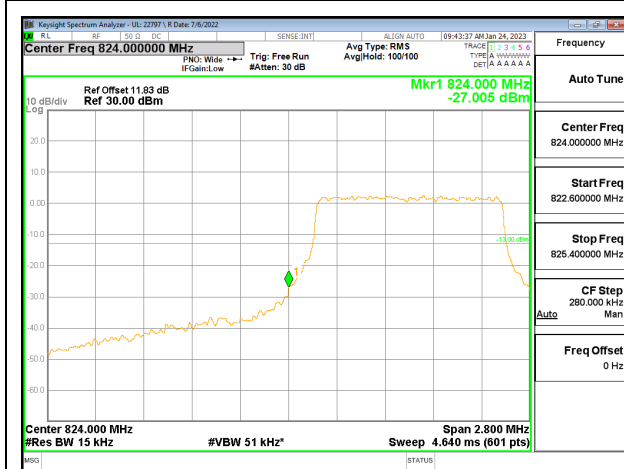
LTE5 1.4MHz QPSK HIGH Ch RB6-0



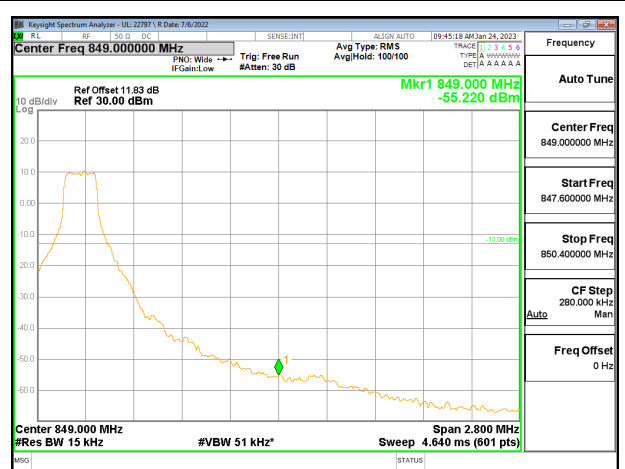
LTE5 1.4MHz 16QAM LOW Ch RB1-0



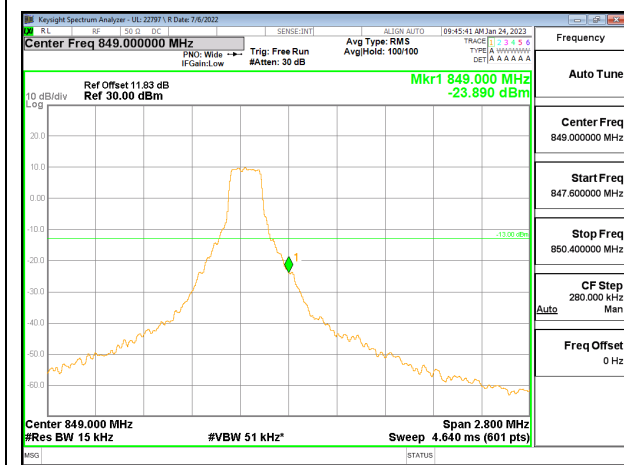
LTE5 1.4MHz 16QAM LOW Ch RB1-5



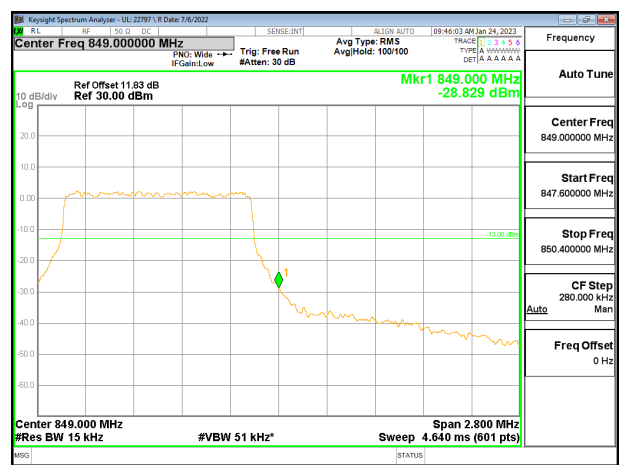
LTE5 1.4MHz 16QAM LOW Ch RB6-0



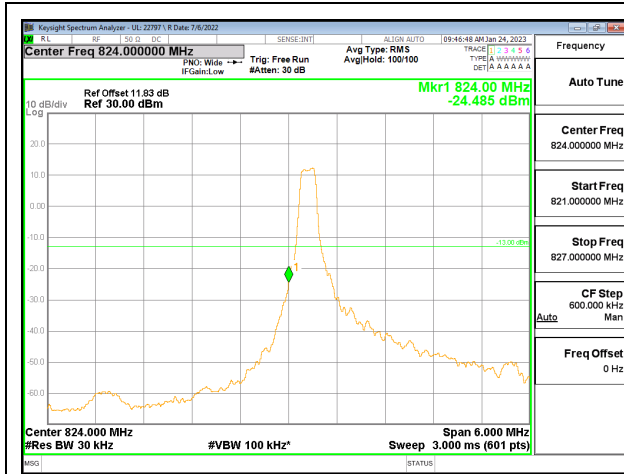
LTE5 1.4MHz 16QAM HIGH Ch RB1-0



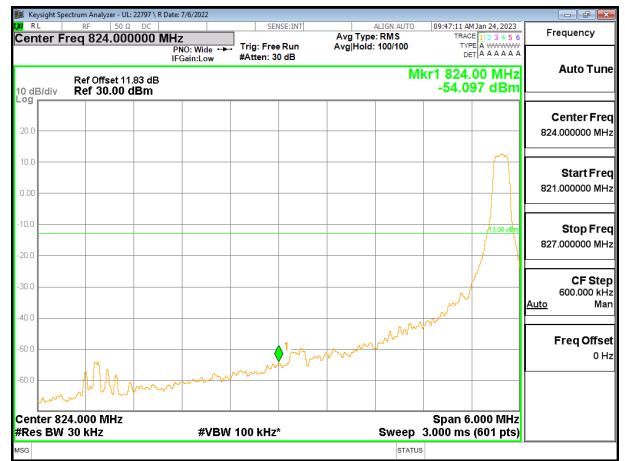
LTE5 1.4MHz 16QAM HIGH Ch RB1-5



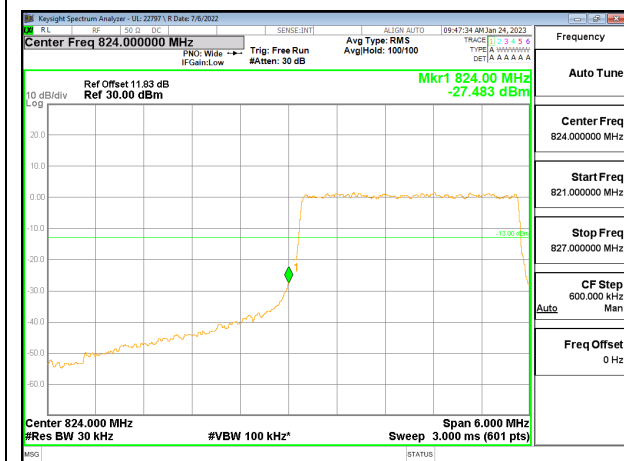
LTE5 1.4MHz 16QAM HIGH Ch RB6-0



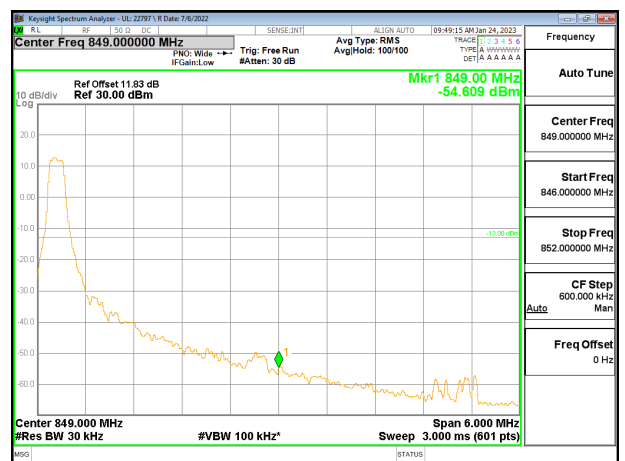
LTE5 3MHz QPSK LOW Ch RB1-0



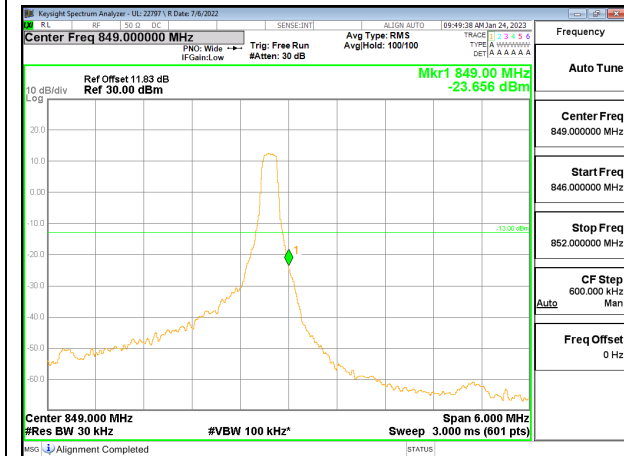
LTE5 3MHz QPSK LOW Ch RB1-14



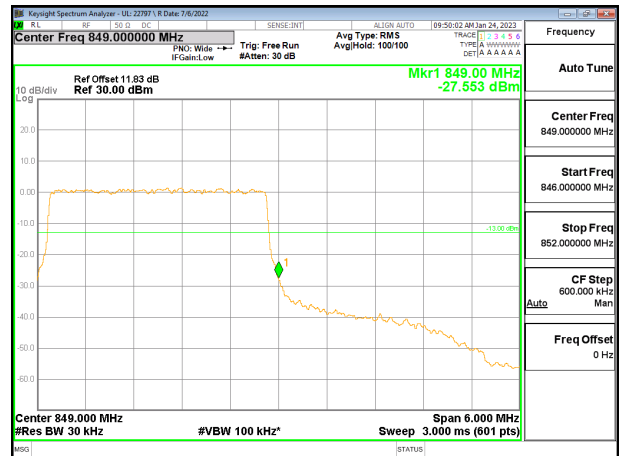
LTE5 3MHz QPSK LOW Ch RB15-0



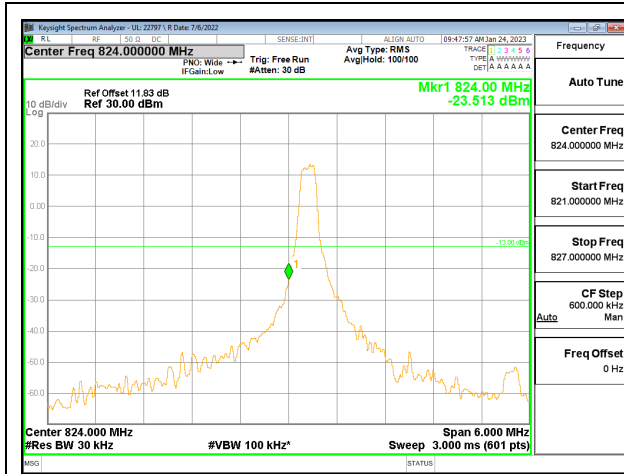
LTE5 3MHz QPSK HIGH Ch RB1-0



LTE5 3MHz QPSK HIGH Ch RB1-14



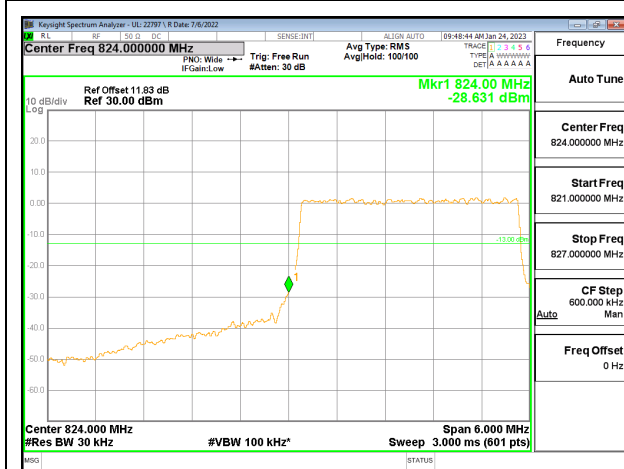
LTE5 3MHz QPSK HIGH Ch RB15-0



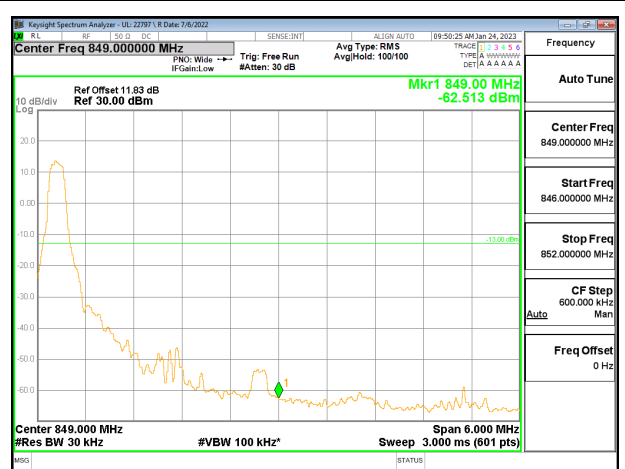
LTE5 3MHz 16QAM LOW Ch RB1-0



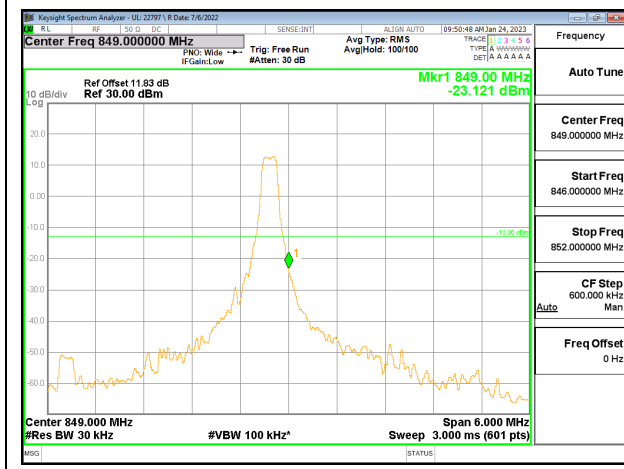
LTE5 3MHz 16QAM LOW Ch RB1-14



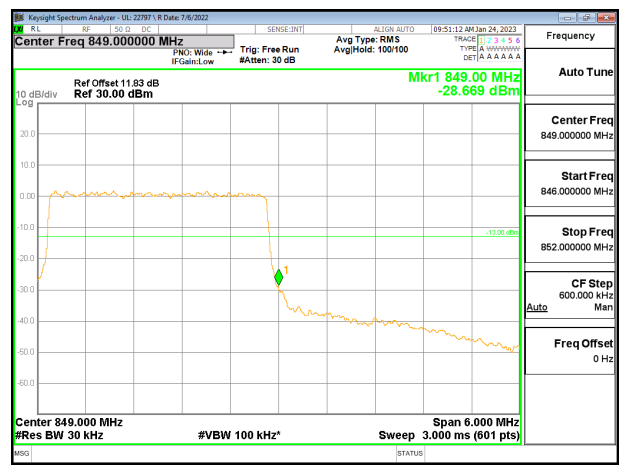
LTE5 3MHz 16QAM LOW Ch RB15-0



LTE5 3MHz 16QAM HIGH Ch RB1-0

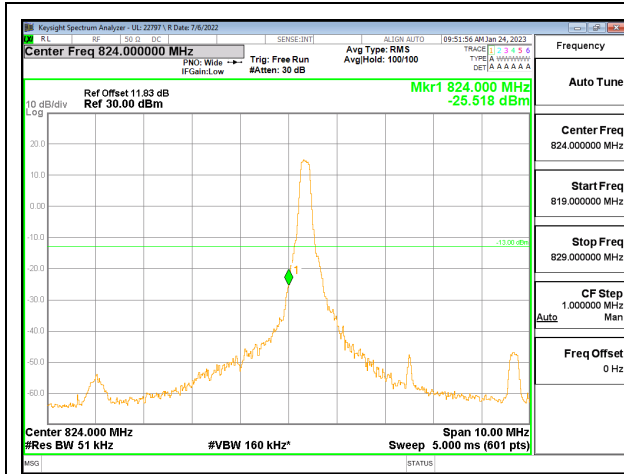


LTE5 3MHz 16QAM HIGH Ch RB1-14

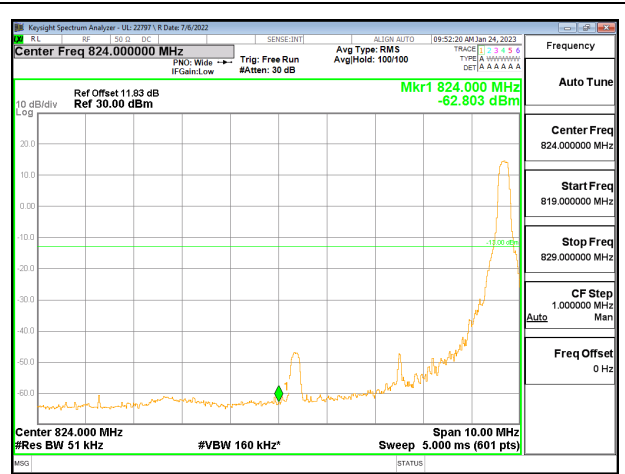


LTE5 3MHz 16QAM HIGH Ch RB15-0

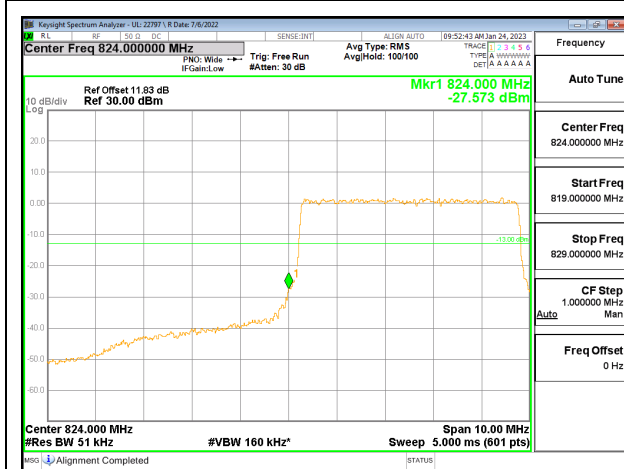




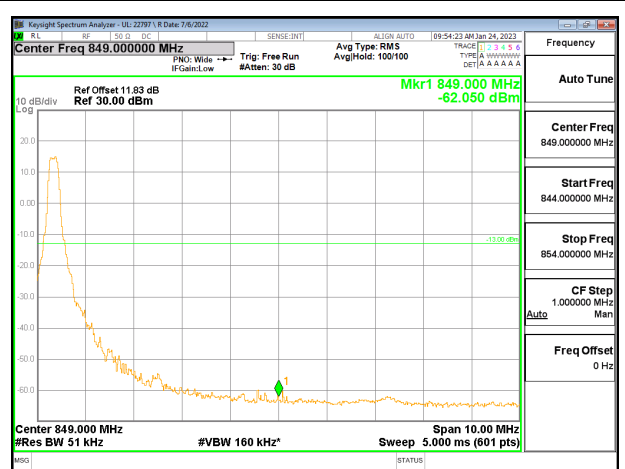
LTE5 5MHz QPSK LOW Ch RB1-0



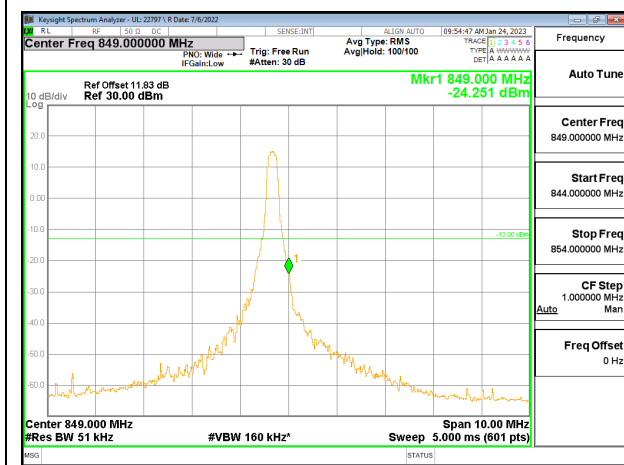
LTE5 5MHz QPSK LOW Ch RB1-24



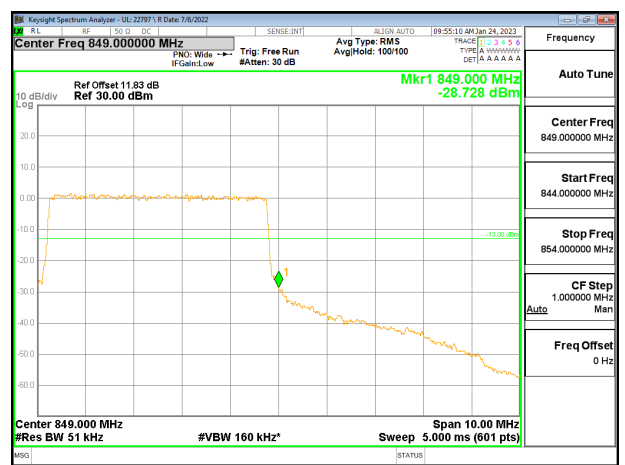
LTE5 5MHz QPSK LOW Ch RB25-0



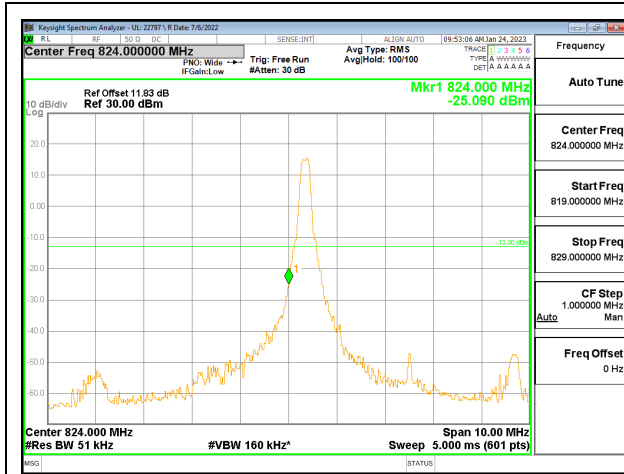
LTE5 5MHz QPSK HIGH Ch RB1-0



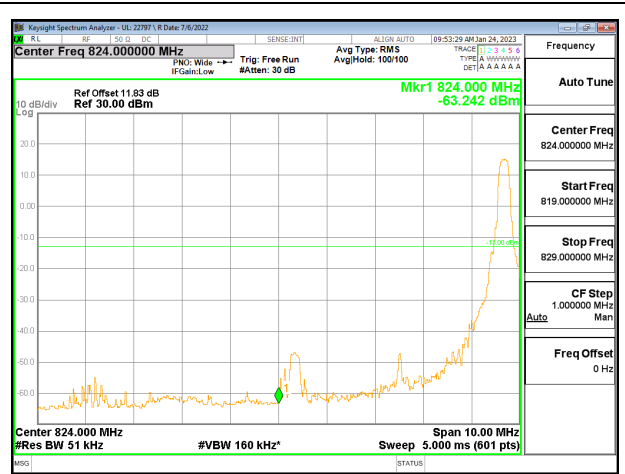
LTE5 5MHz QPSK HIGH Ch RB1-24



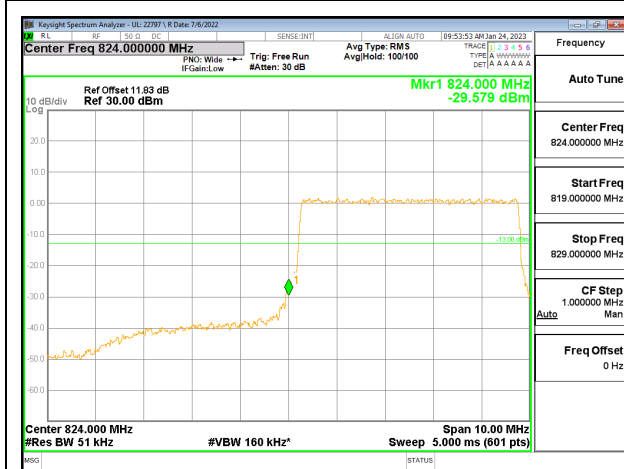
LTE5 5MHz QPSK HIGH Ch RB25-0



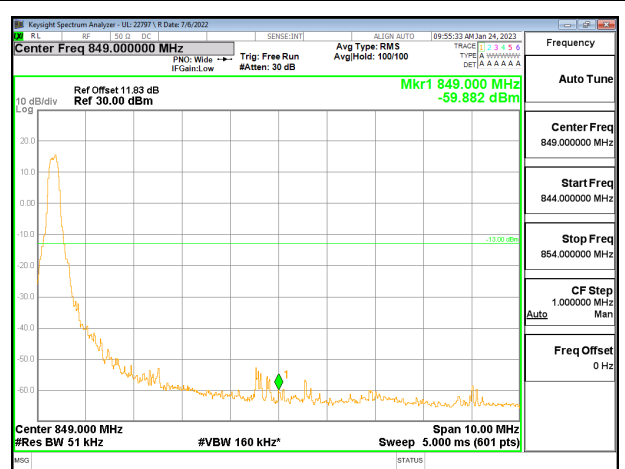
LTE5 5MHz 16QAM LOW Ch RB1-0



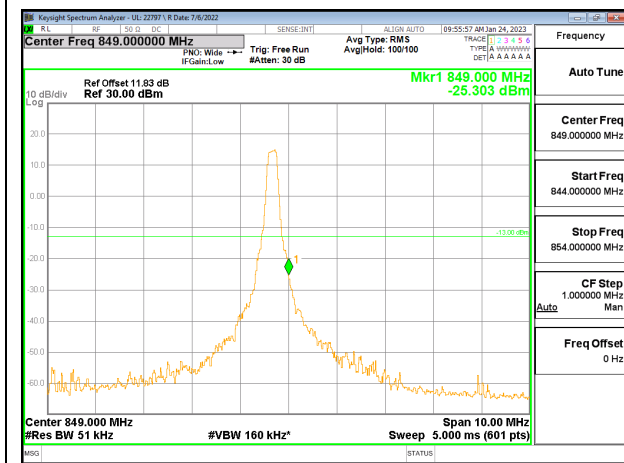
LTE5 5MHz 16QAM LOW Ch RB1-24



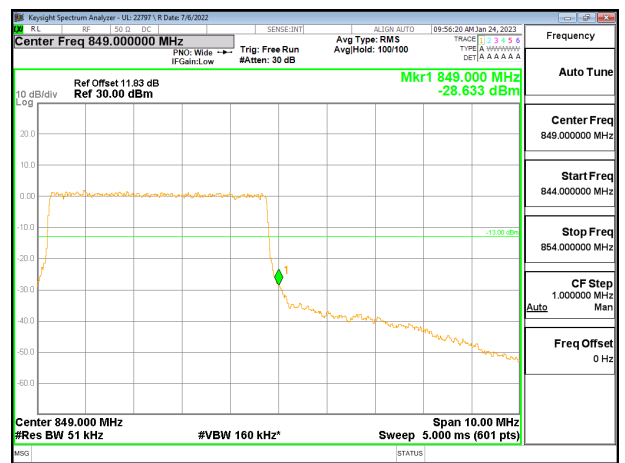
LTE5 5MHz 16QAM LOW Ch RB25-0



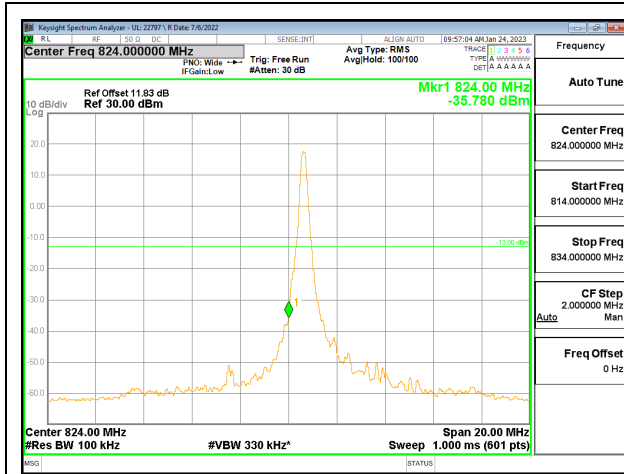
LTE5 5MHz 16QAM HIGH Ch RB1-0



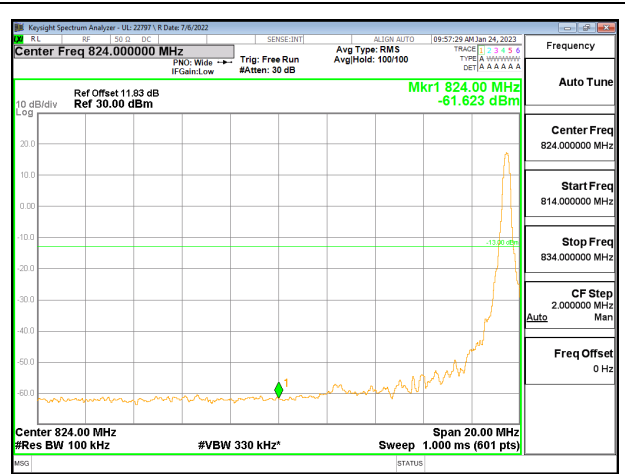
LTE5 5MHz 16QAM HIGH Ch RB1-24



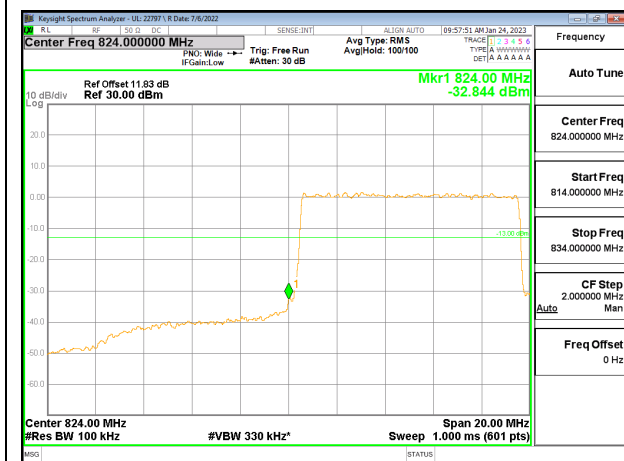
LTE5 5MHz 16QAM HIGH Ch RB25-0



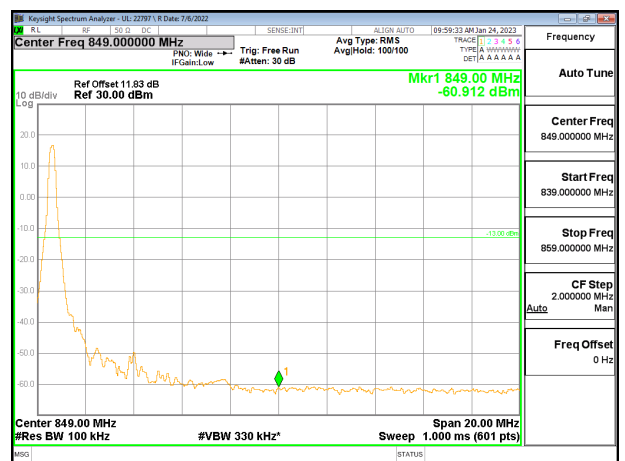
LTE5 10MHz QPSK LOW Ch RB1-0



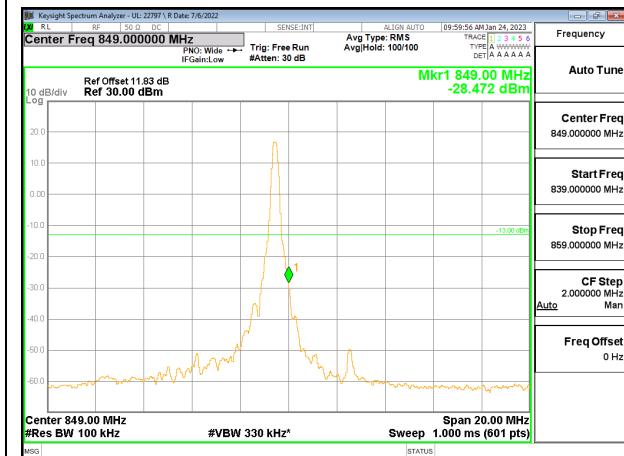
LTE5 10MHz QPSK LOW Ch RB1-49



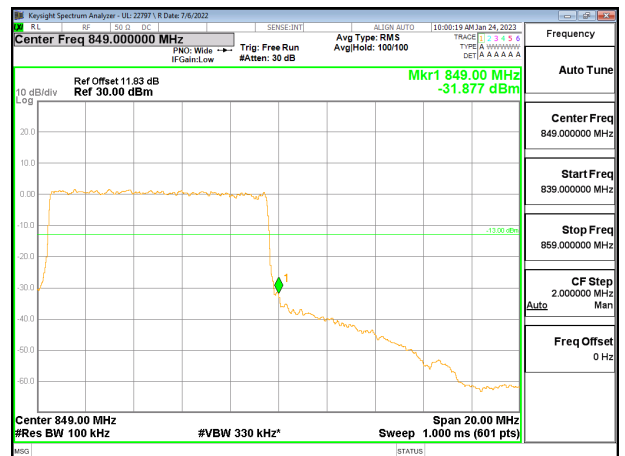
LTE5 10MHz QPSK LOW Ch RB50-0



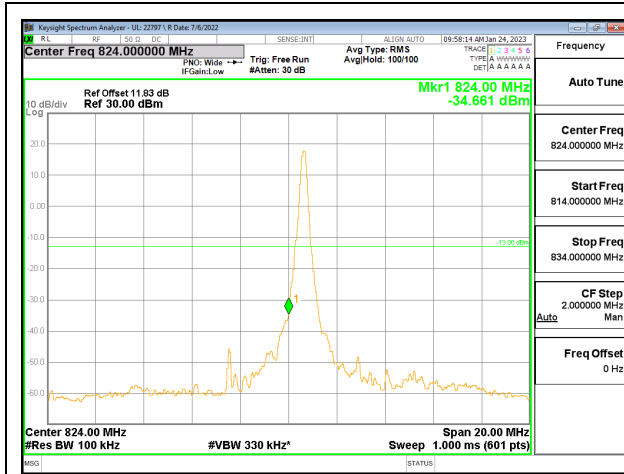
LTE5 10MHz QPSK HIGH Ch RB1-0



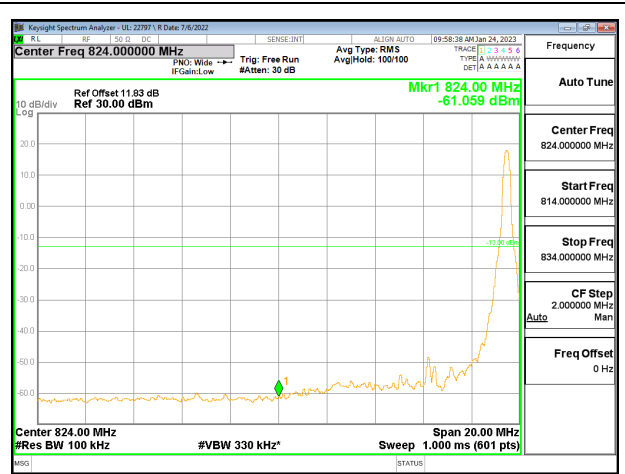
LTE5 10MHz QPSK HIGH Ch RB1-49



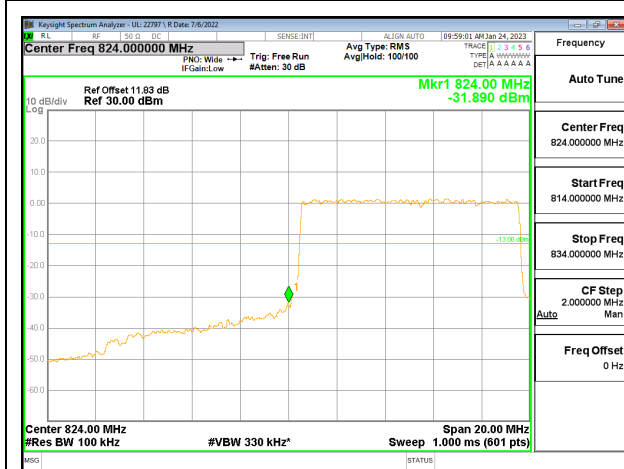
LTE5 10MHz QPSK HIGH Ch RB50-0



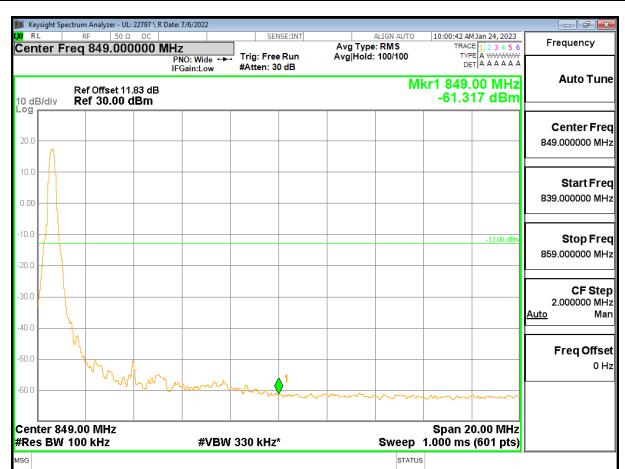
LTE5 10MHz 16QAM LOW Ch RB1-0



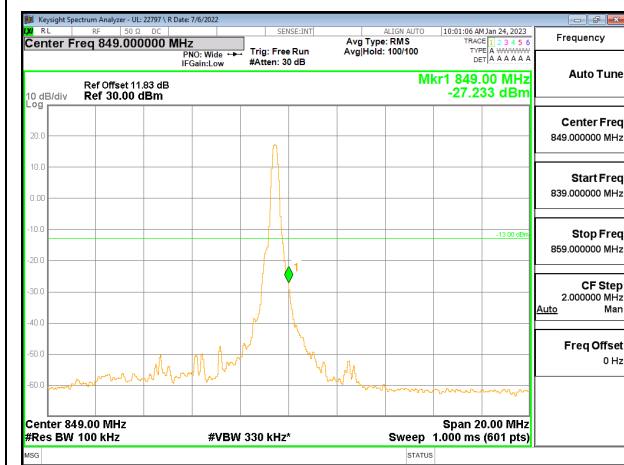
LTE5 10MHz 16QAM LOW Ch RB1-49



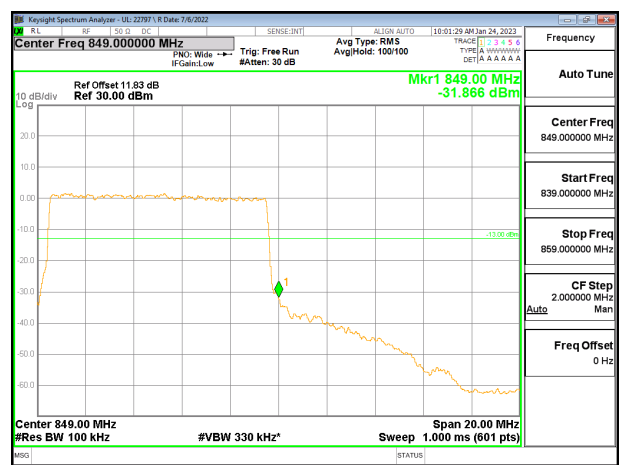
LTE5 10MHz 16QAM LOW Ch RB50-0



LTE5 10MHz 16QAM HIGH Ch RB1-0



LTE5 10MHz 16QAM HIGH Ch RB1-49



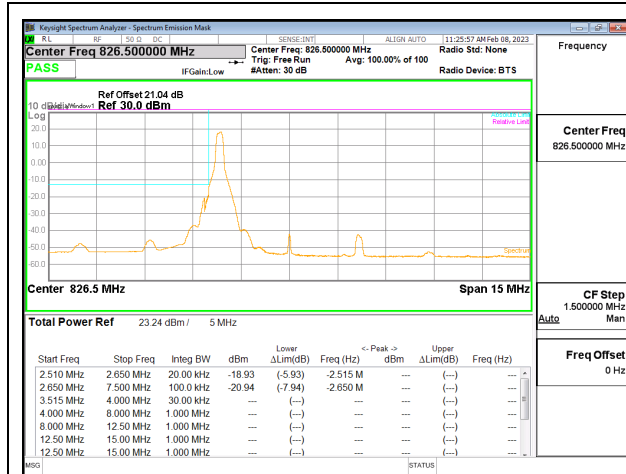
LTE5 10MHz 16QAM HIGH Ch RB50-0

**9.2.5. 5G NR n5****LIMITS**

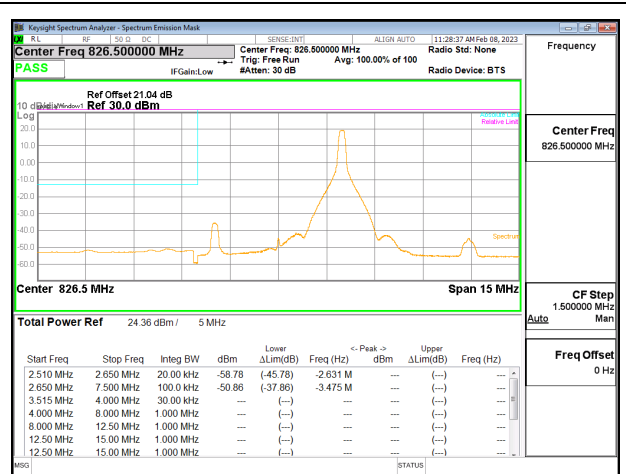
FCC: §22.917 (a)

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.

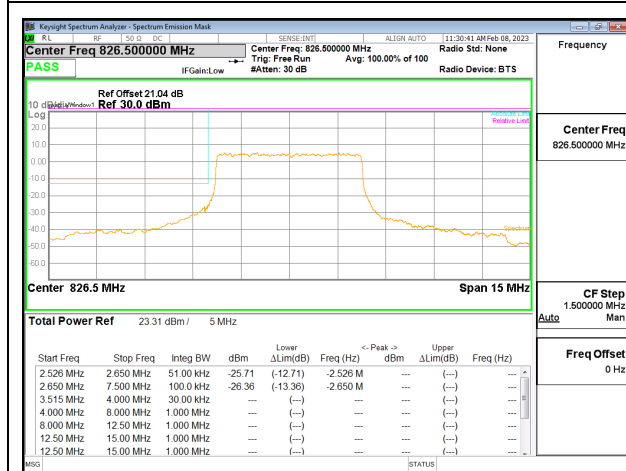
<b>Test Engineer ID:</b>	27465/44389	<b>Test Date:</b>	2023-02-08	<b>EUT Serial Number:</b>	QV7700HTFN
--------------------------	-------------	-------------------	------------	---------------------------	------------



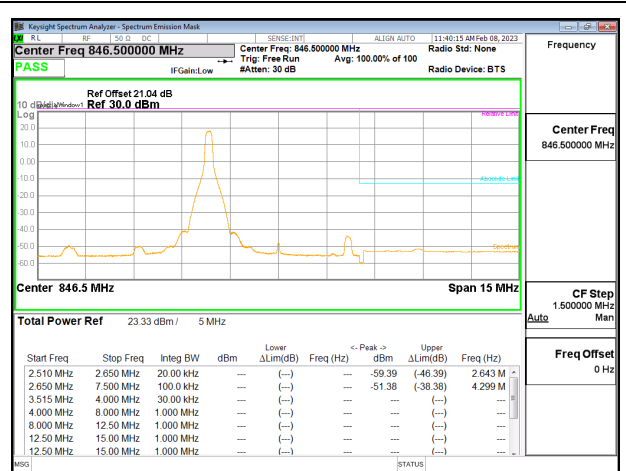
5G NR n5 5MHz QPSK LOW Ch RB1-0



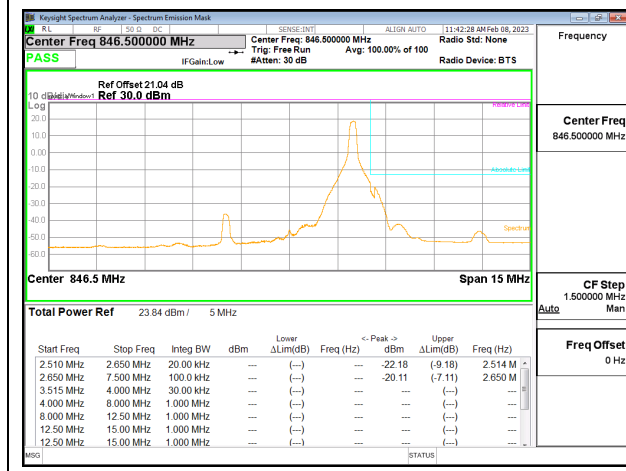
5G NR n5 5MHz QPSK LOW Ch RB1-24



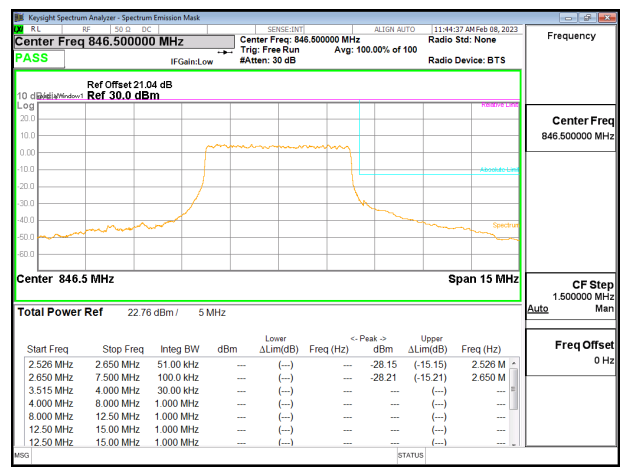
5G NR n5 5MHz QPSK LOW Ch RB25-0



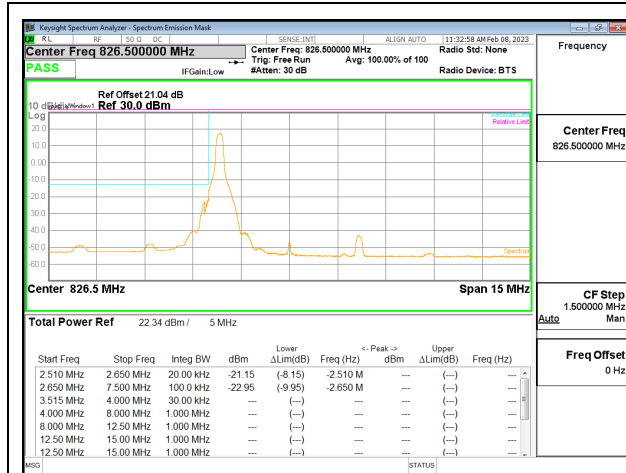
5G NR n5 5MHz QPSK HIGH Ch RB1-0



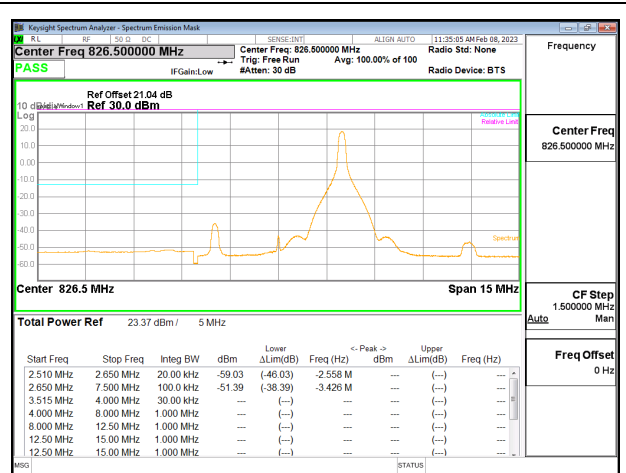
5G NR n5 5MHz QPSK HIGH Ch RB1-24



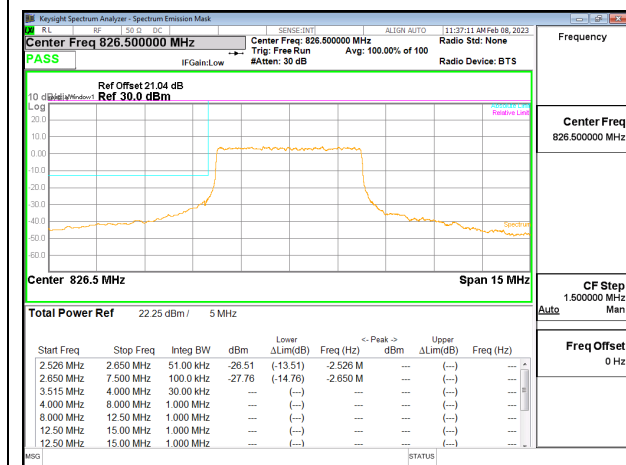
5G NR n5 5MHz QPSK HIGH Ch RB25-0



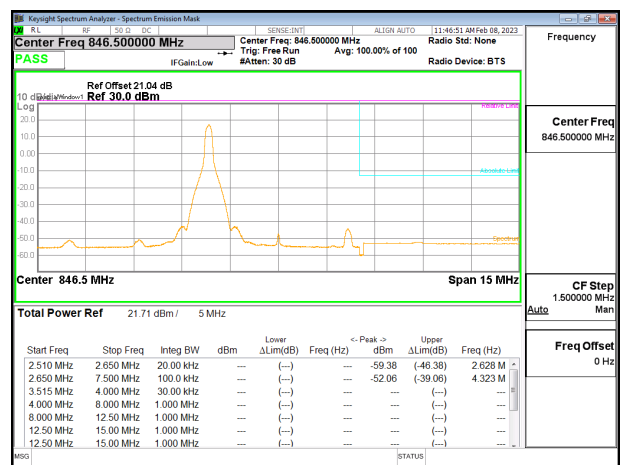
5G NR n5 5MHz 16QAM LOW Ch RB1-0



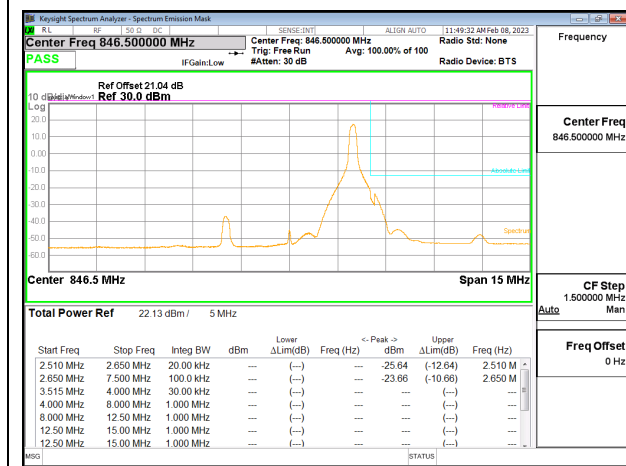
5G NR n5 5MHz 16QAM LOW Ch RB1-24



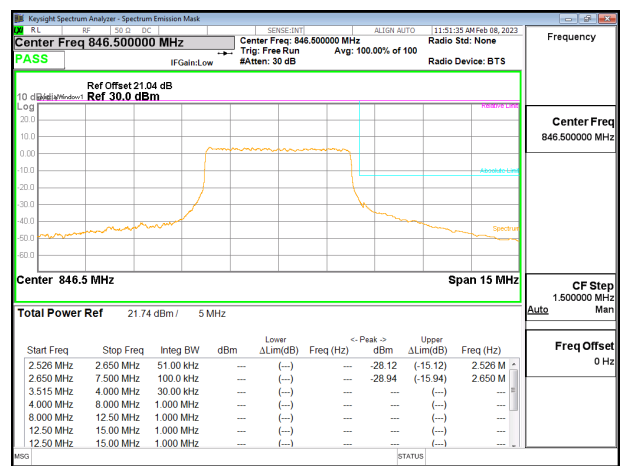
5G NR n5 5MHz 16QAM LOW Ch RB25-0



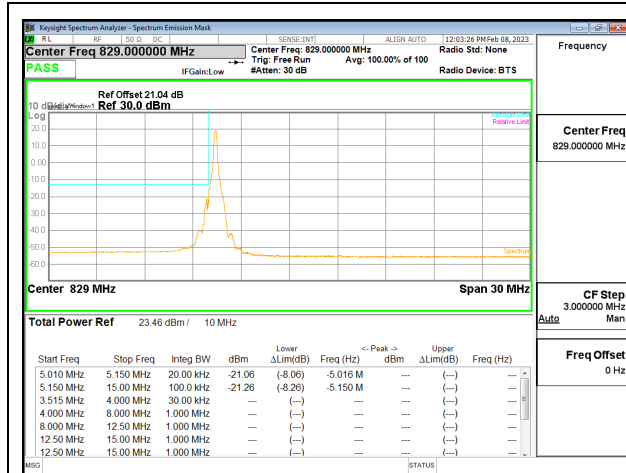
5G NR n5 5MHz 16QAM HIGH Ch RB1-0



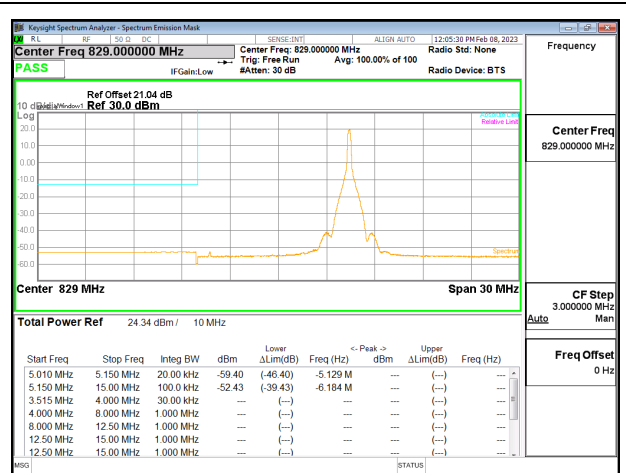
5G NR n5 5MHz 16QAM HIGH Ch RB1-24



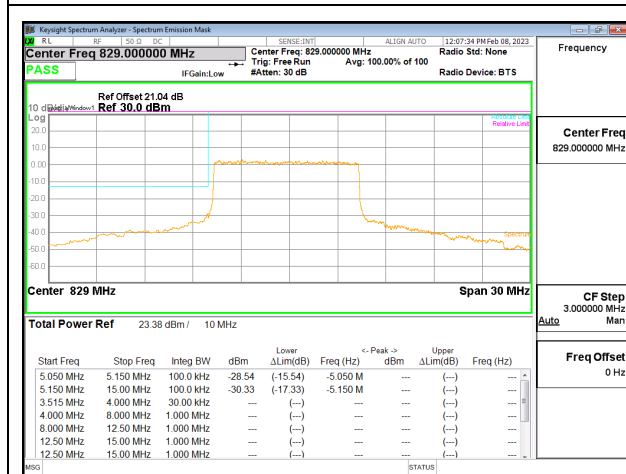
5G NR n5 5MHz 16QAM HIGH Ch RB25-0



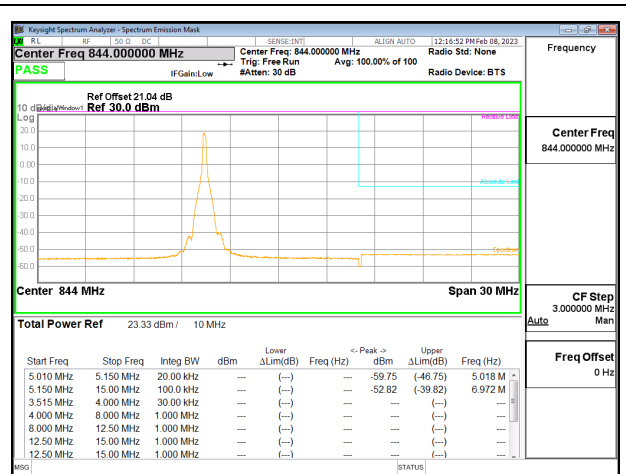
5G NR n5 10MHz QPSK LOW Ch RB1-0



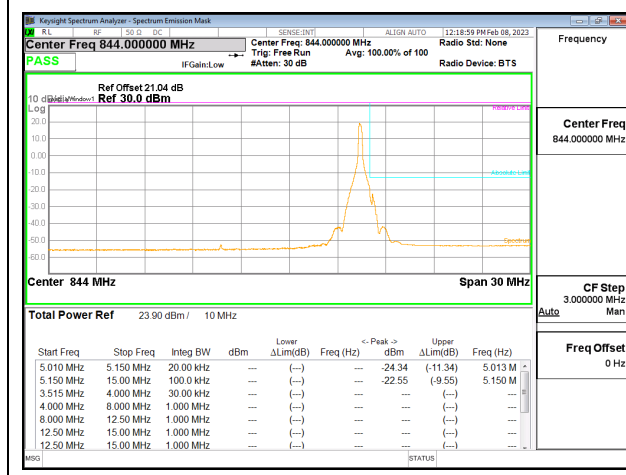
5G NR n5 10MHz QPSK LOW Ch RB1-49



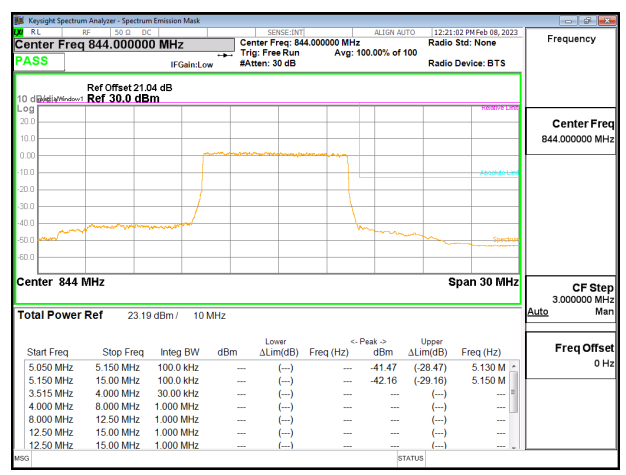
5G NR n5 10MHz QPSK LOW Ch RB50-0



5G NR n5 10MHz QPSK HIGH Ch RB1-0

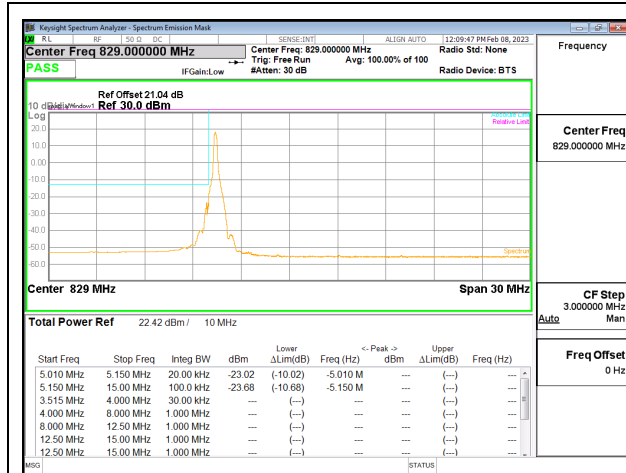


5G NR n5 10MHz QPSK HIGH Ch RB1-49

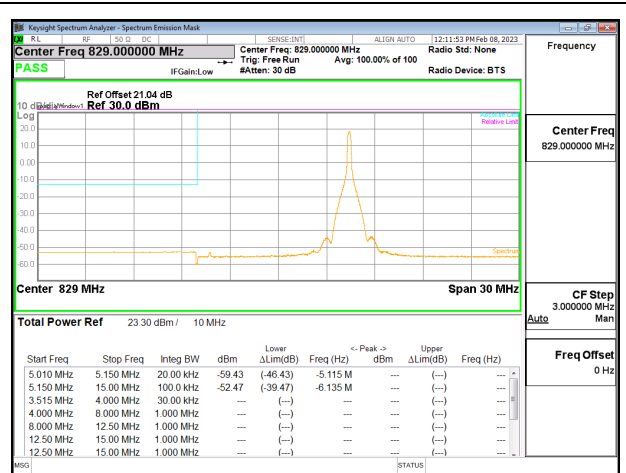


5G NR n5 10MHz QPSK HIGH Ch RB50-0

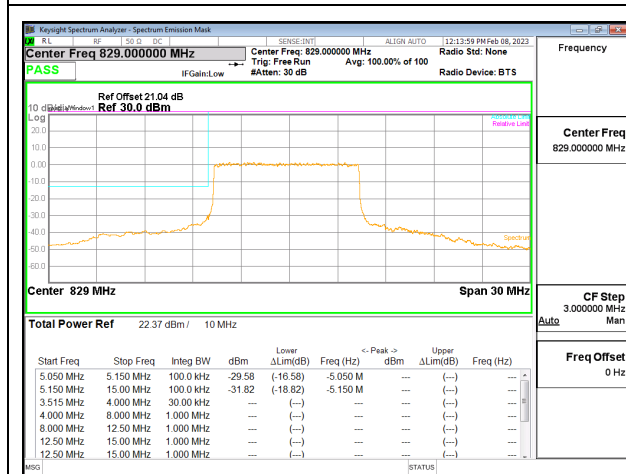




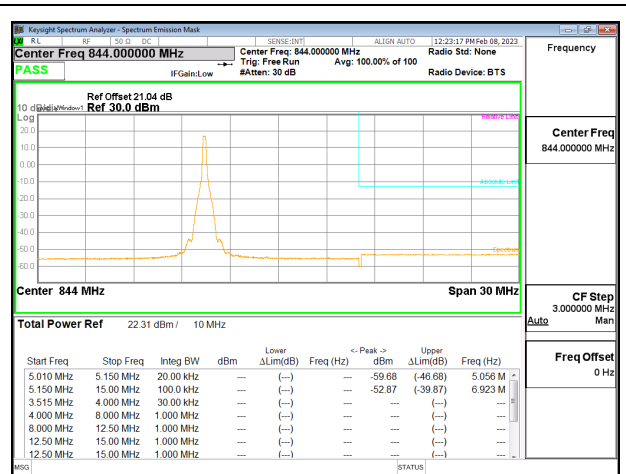
5G NR n5 10MHz 16QAM LOW Ch RB1-0



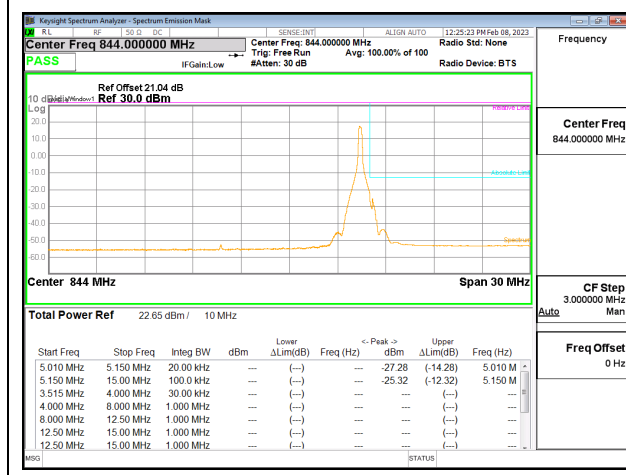
5G NR n5 10MHz 16QAM LOW Ch RB1-49



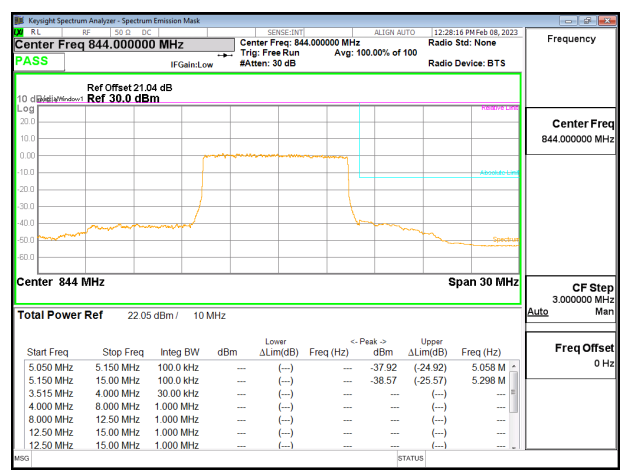
5G NR n5 10MHz 16QAM LOW Ch RB50-0



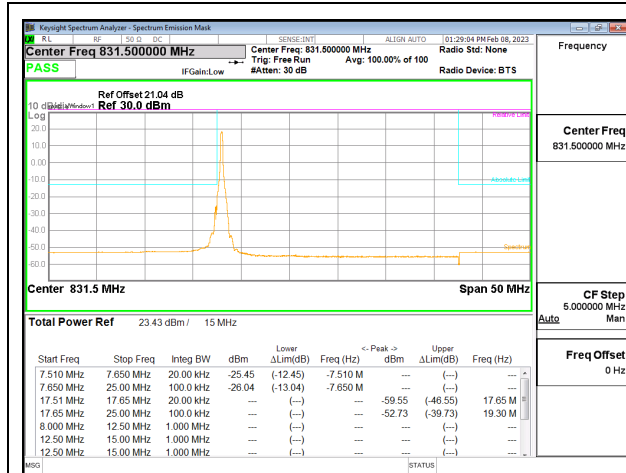
5G NR n5 10MHz 16QAM HIGH Ch RB1-0



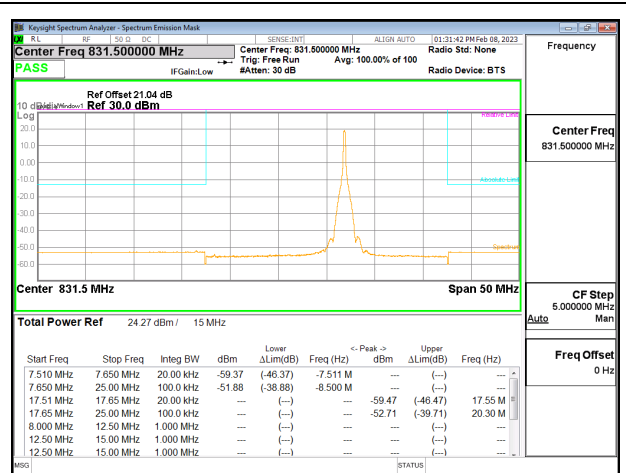
5G NR n5 10MHz 16QAM HIGH Ch RB1-49



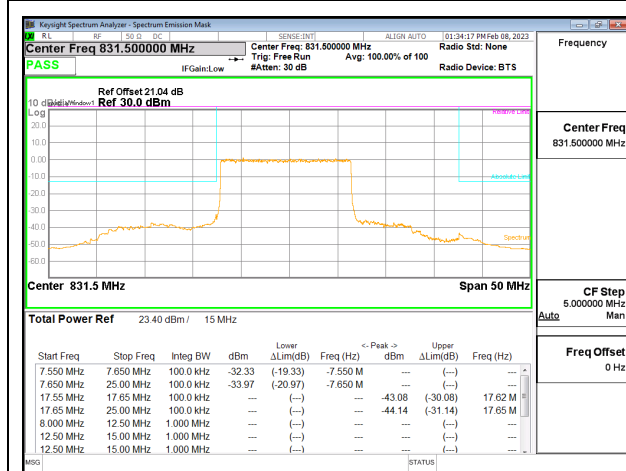
5G NR n5 10MHz 16QAM HIGH Ch RB50-0



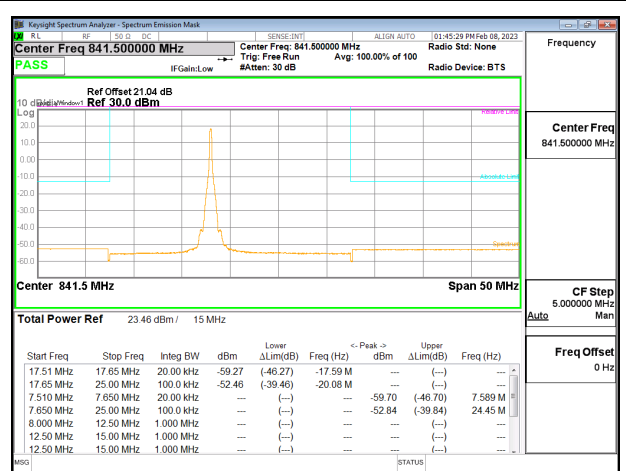
5G NR n5 15MHz QPSK LOW Ch RB1-0



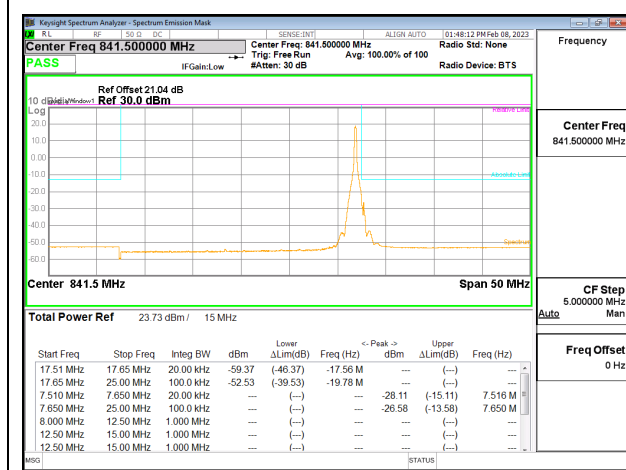
5G NR n5 15MHz QPSK LOW Ch RB1-74



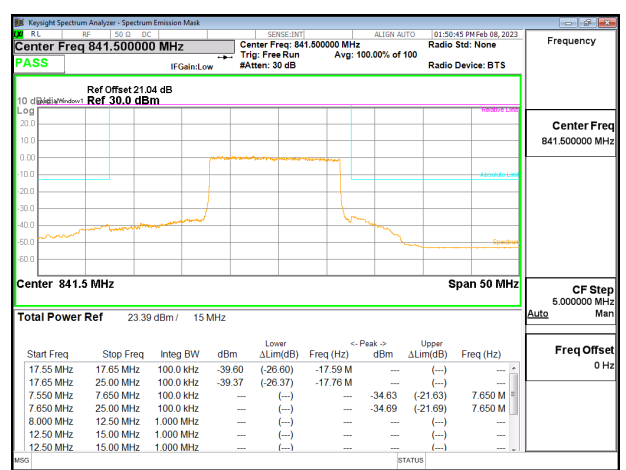
5G NR n5 15MHz QPSK LOW Ch RB75-0



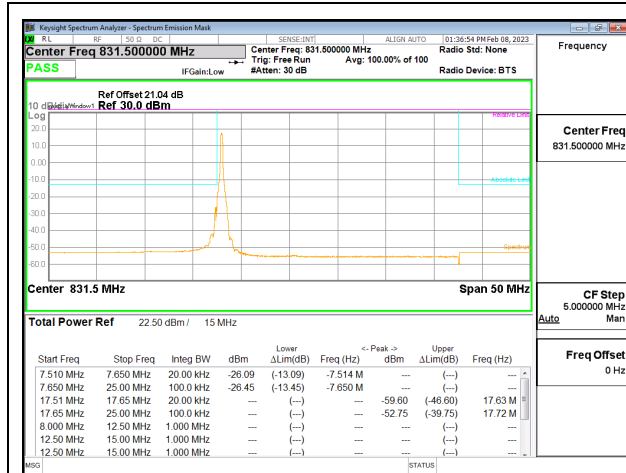
5G NR n5 15MHz QPSK HIGH Ch RB1-0



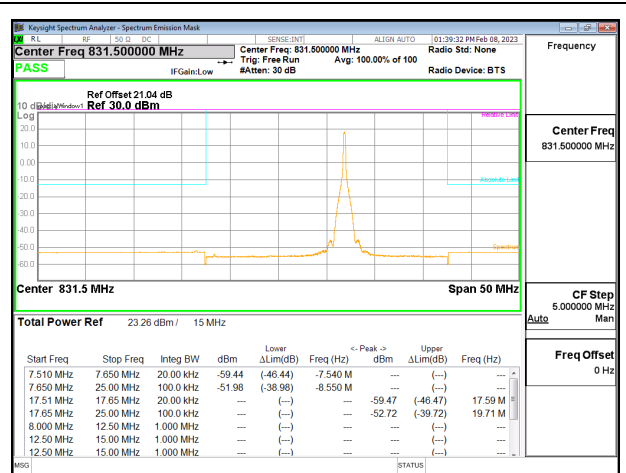
5G NR n5 15MHz QPSK HIGH Ch RB1-74



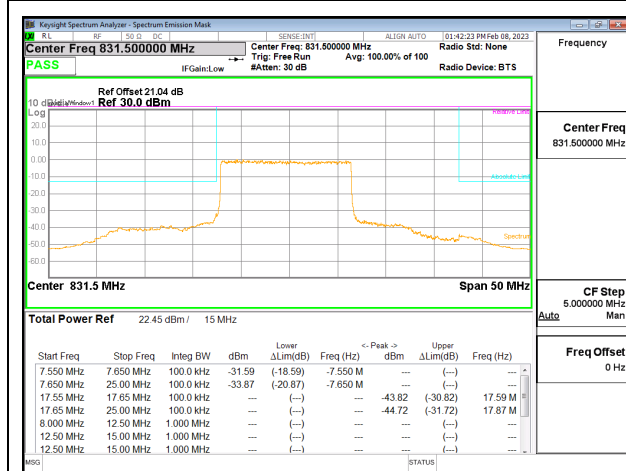
5G NR n5 15MHz QPSK HIGH Ch RB75-0



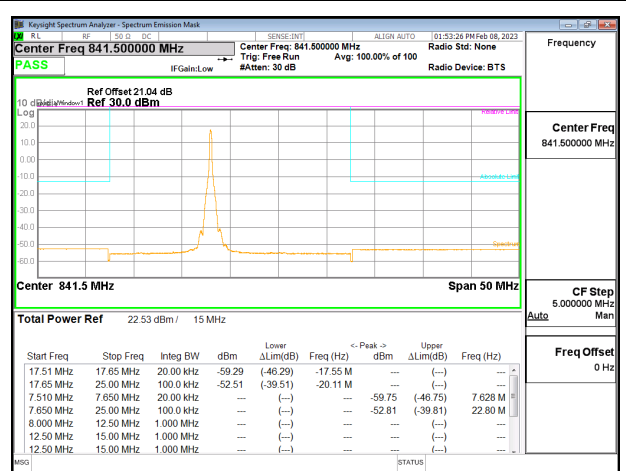
5G NR n5 15MHz 16QAM LOW Ch RB1-0



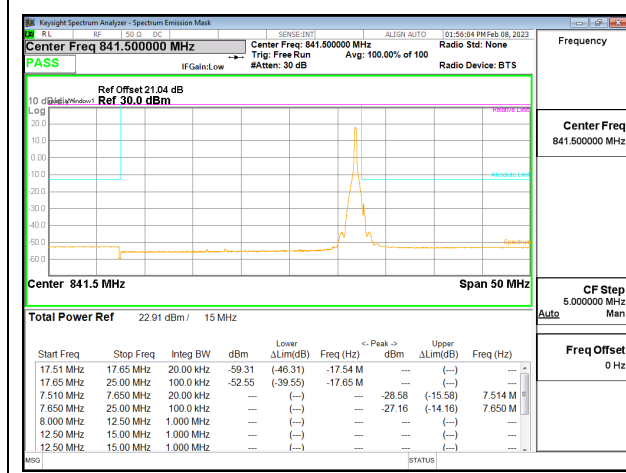
5G NR n5 15MHz 16QAM LOW Ch RB1-74



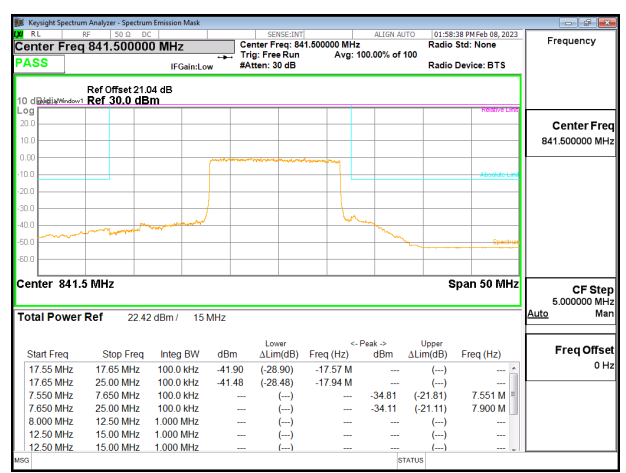
5G NR n5 15MHz 16QAM LOW Ch RB75-0



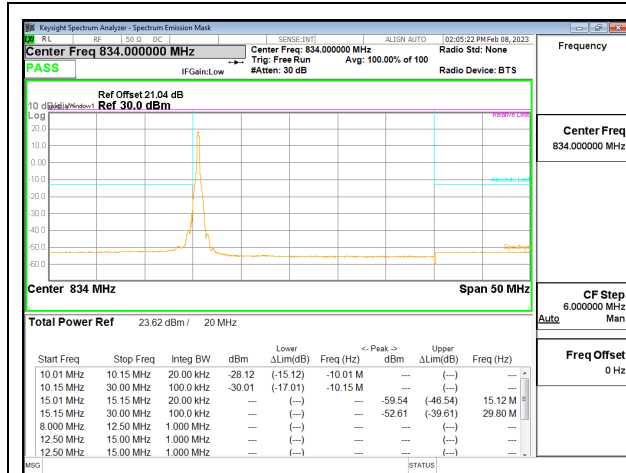
5G NR n5 15MHz 16QAM HIGH Ch RB1-0



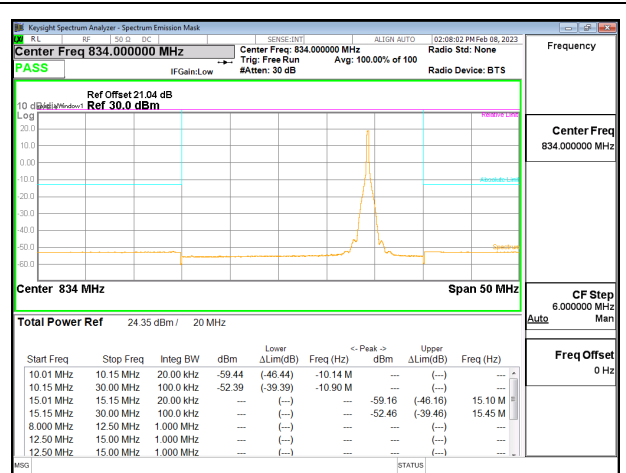
5G NR n5 15MHz 16QAM HIGH Ch RB1-74



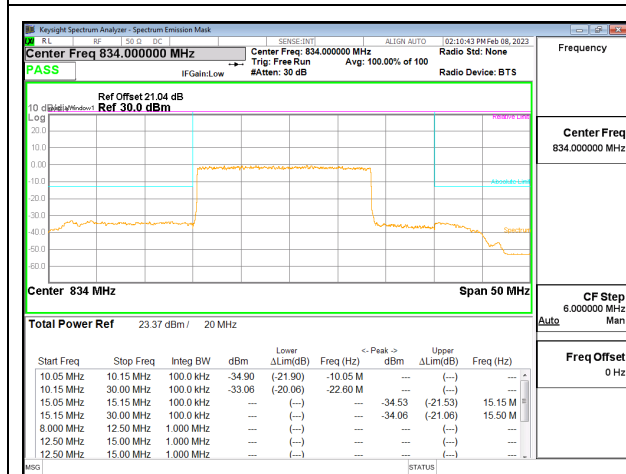
5G NR n5 15MHz 16QAM HIGH Ch RB75-0



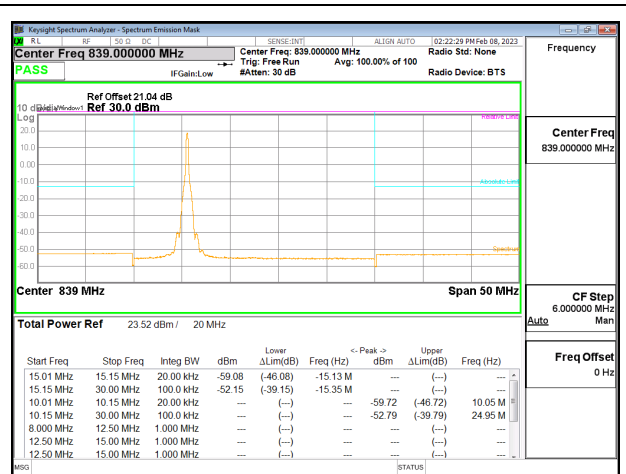
5G NR n5 20MHz QPSK LOW Ch RB1-0



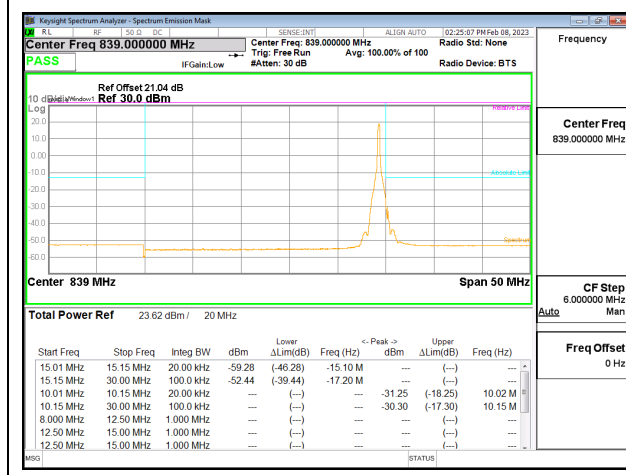
5G NR n5 20MHz QPSK LOW Ch RB1-99



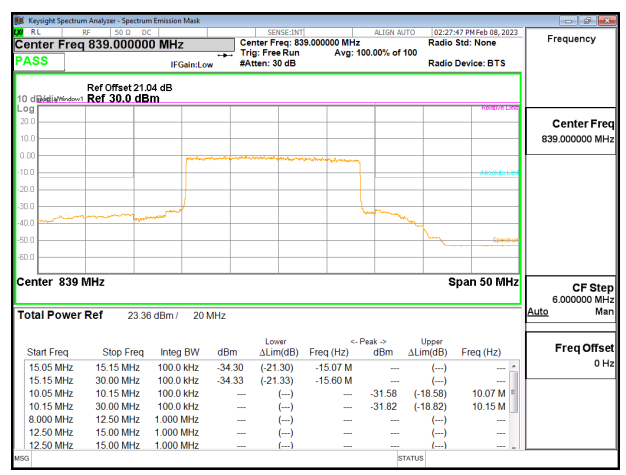
5G NR n5 20MHz QPSK LOW Ch RB100-0



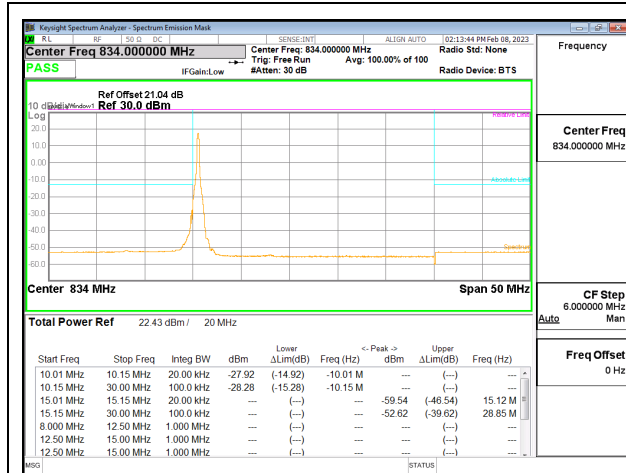
5G NR n5 20MHz QPSK HIGH Ch RB1-0



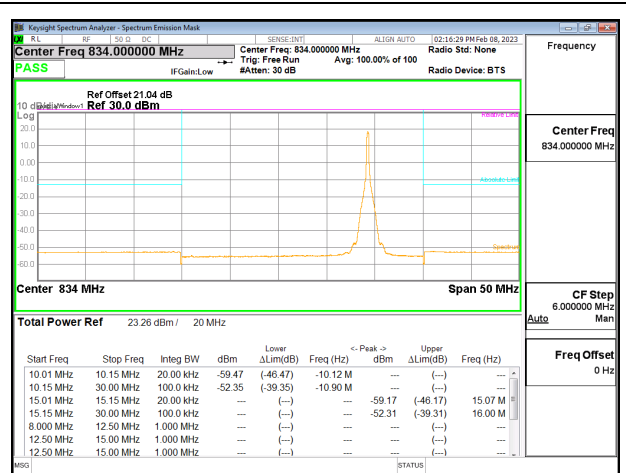
5G NR n5 20MHz QPSK HIGH Ch RB1-99



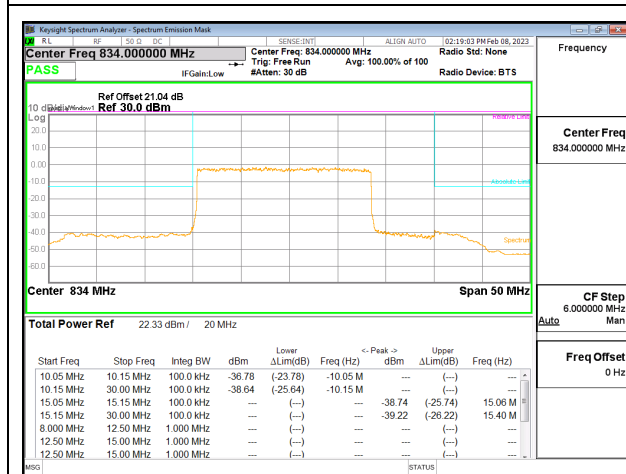
5G NR n5 20MHz QPSK HIGH Ch RB100-0



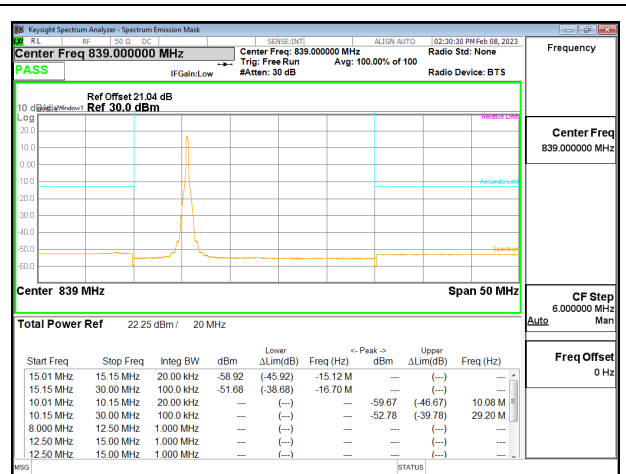
5G NR n5 20MHz 16QAM LOW Ch RB1-0



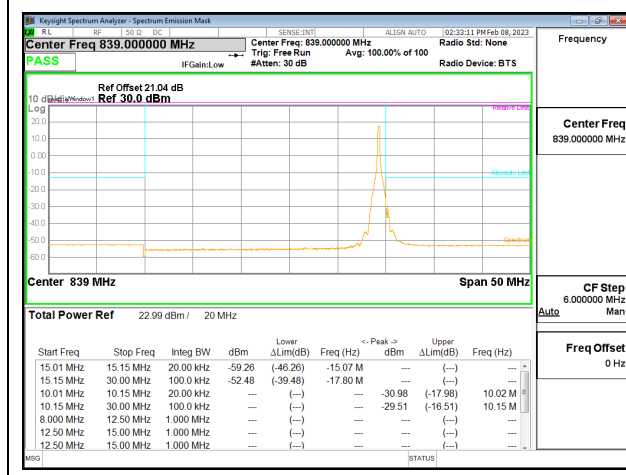
5G NR n5 20MHz 16QAM LOW Ch RB1-99



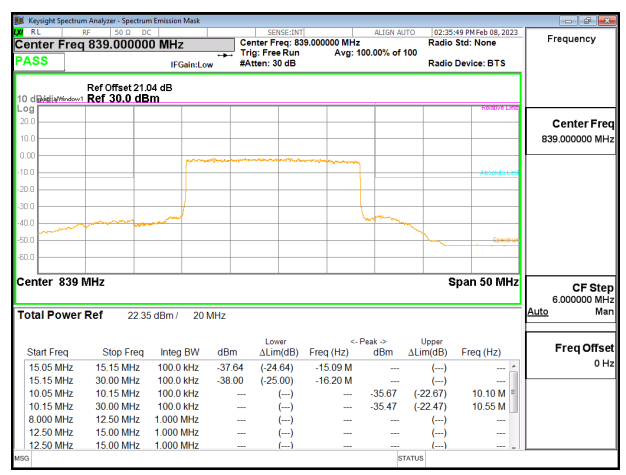
5G NR n5 20MHz 16QAM LOW Ch RB100-0



5G NR n5 20MHz 16QAM HIGH Ch RB1-0



5G NR n5 20MHz 16QAM HIGH Ch RB1-99



5G NR n5 20MHz 16QAM HIGH Ch RB100-0

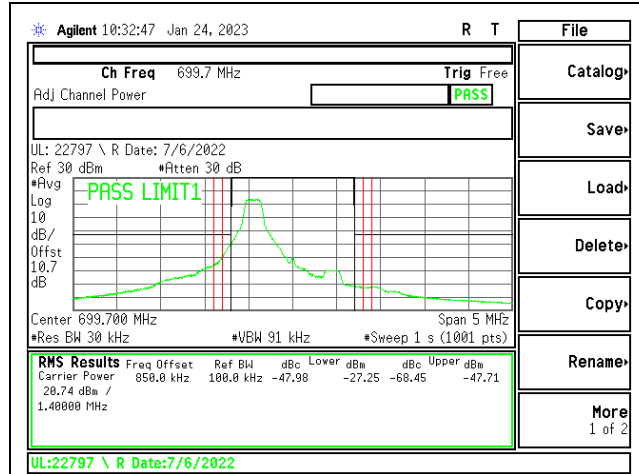
**9.2.6. LTE12**

**LIMITS**

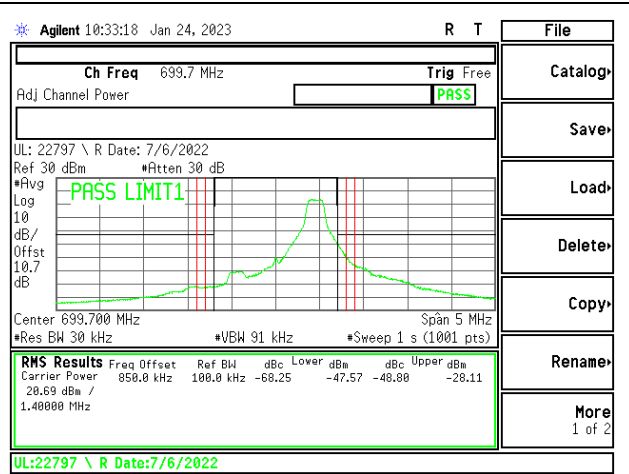
FCC: §27.53

(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.

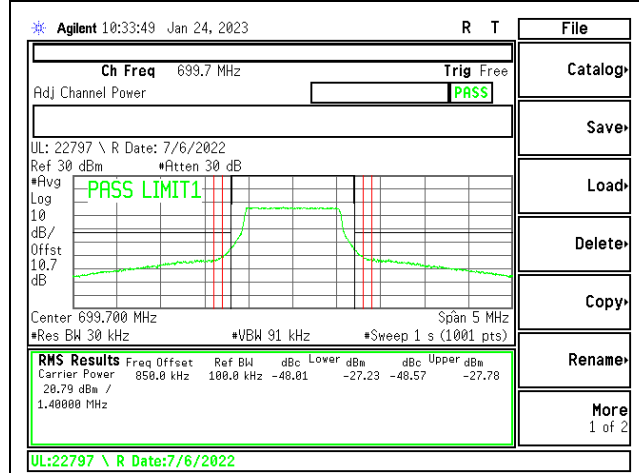
<b>Test Engineer ID:</b>	27465/44389	<b>Test Date:</b>	2023-02-08 2023-02-22	<b>EUT Serial Number:</b>	QV77000MFN
--------------------------	-------------	-------------------	--------------------------	---------------------------	------------



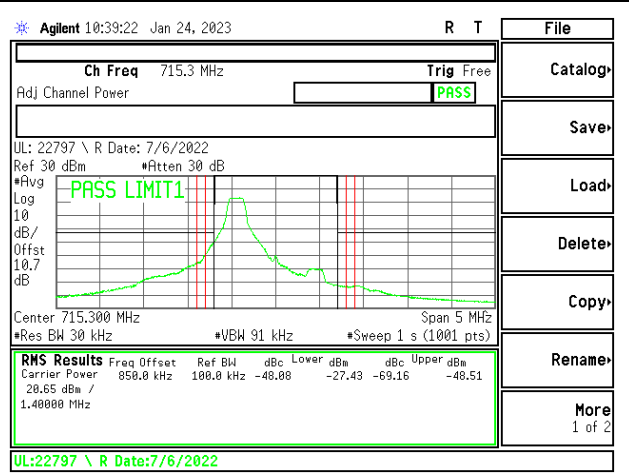
LTE12 1.4MHz QPSK LOW Ch RB1-0



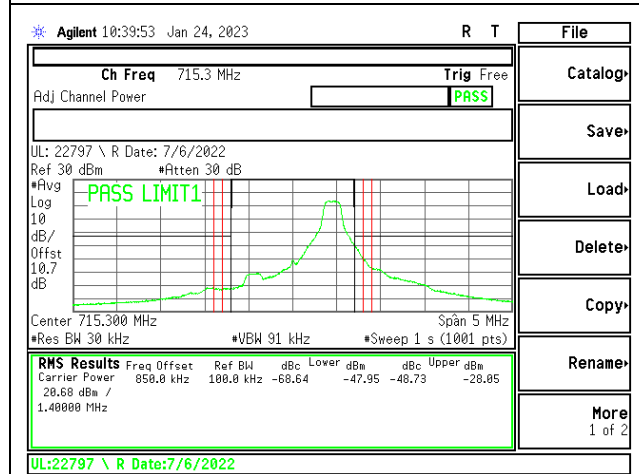
LTE12 1.4MHz QPSK LOW Ch RB1-5



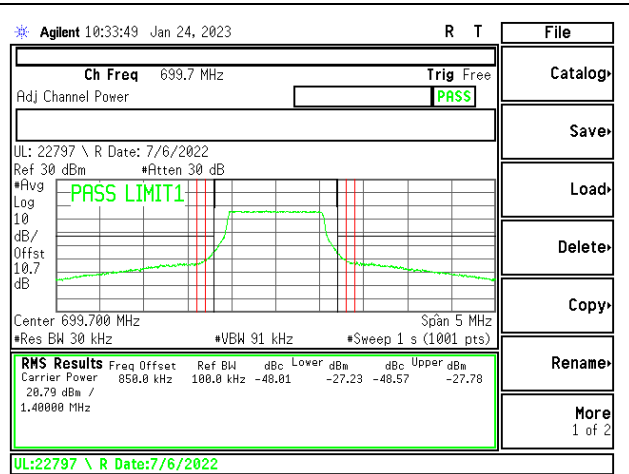
LTE12 1.4MHz QPSK LOW Ch RB6-0



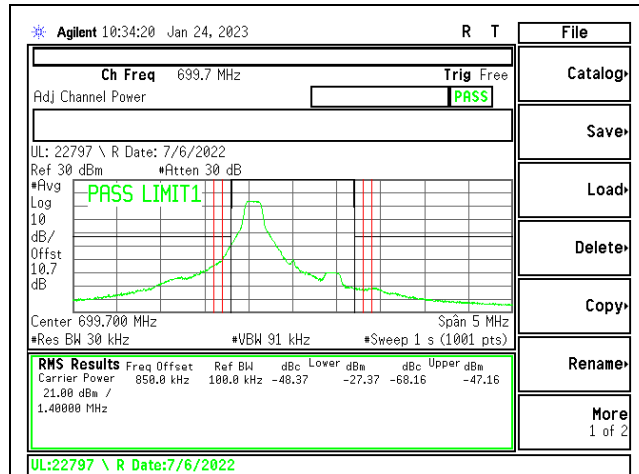
LTE12 1.4MHz QPSK HIGH Ch RB1-0



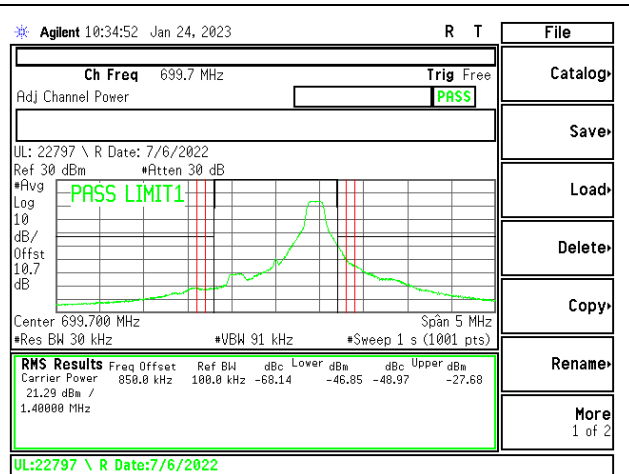
LTE12 1.4MHz QPSK HIGH Ch RB1-5



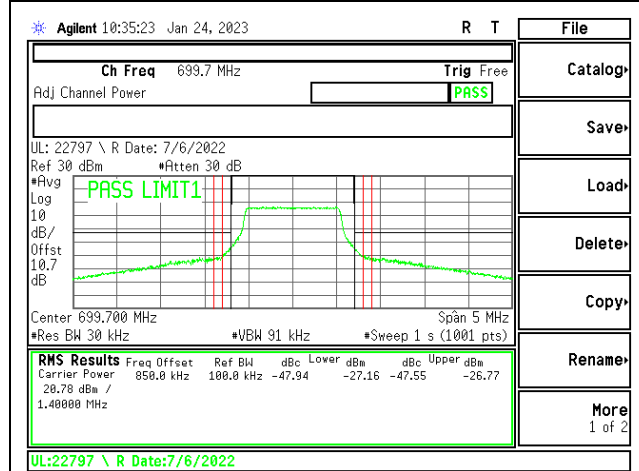
LTE12 1.4MHz QPSK HIGH Ch RB6-0



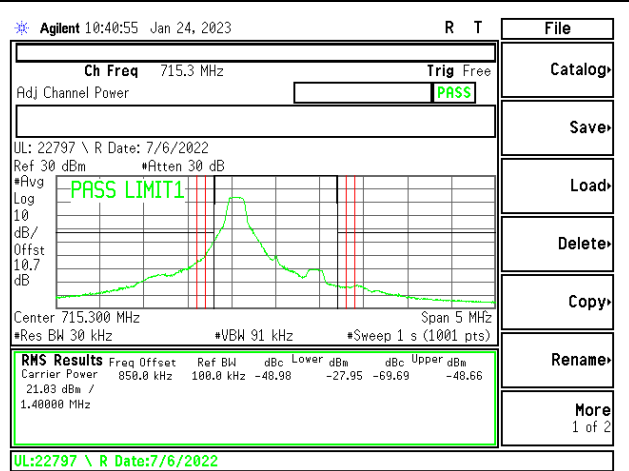
LTE12 1.4MHz 16QAM LOW Ch RB1-0



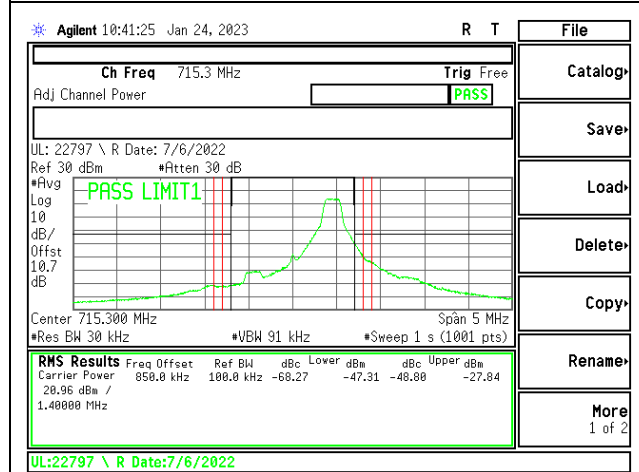
LTE12 1.4MHz 16QAM LOW Ch RB1-0



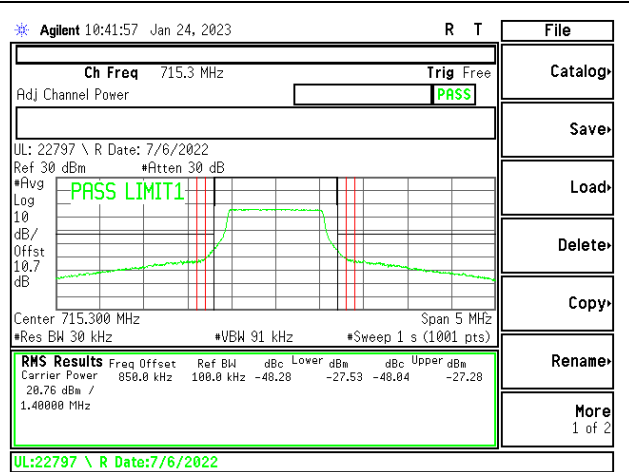
LTE12 1.4MHz 16QAM LOW Ch RB6-0



LTE12 1.4MHz 16QAM HIGH Ch RB1-0

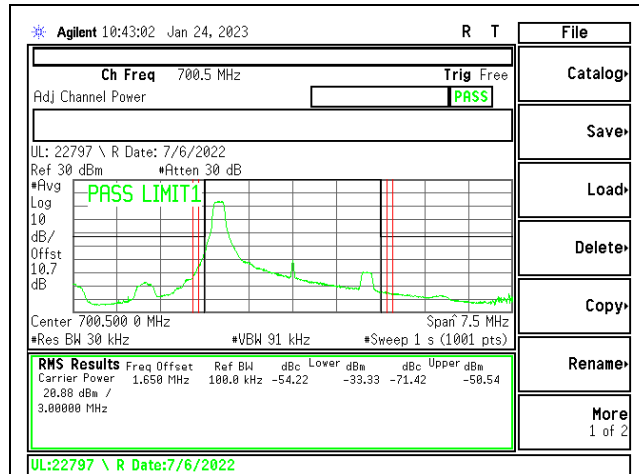


LTE12 1.4MHz 16QAM HIGH Ch RB1-5

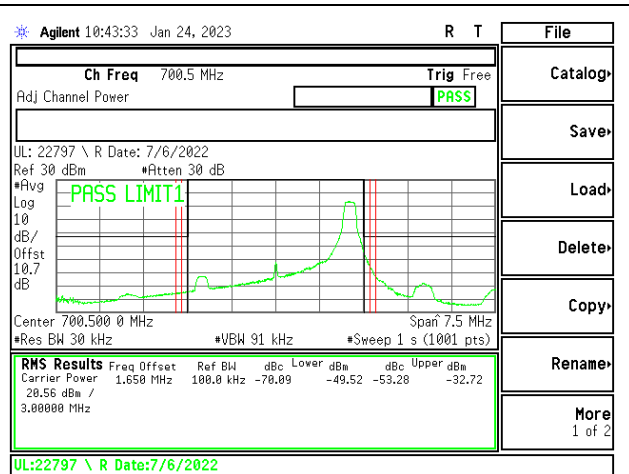


LTE12 1.4MHz 16QAM HIGH Ch RB6-0

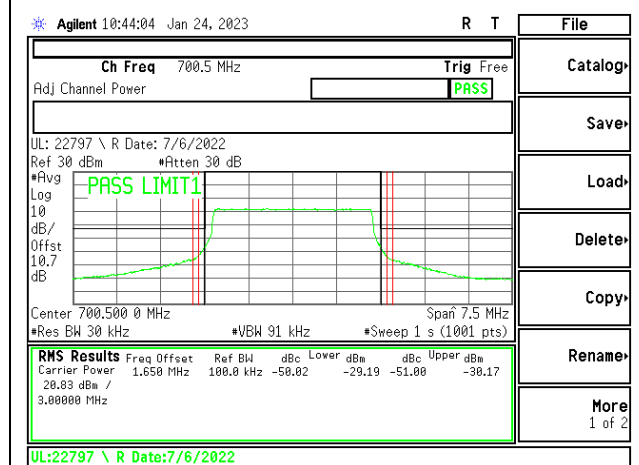




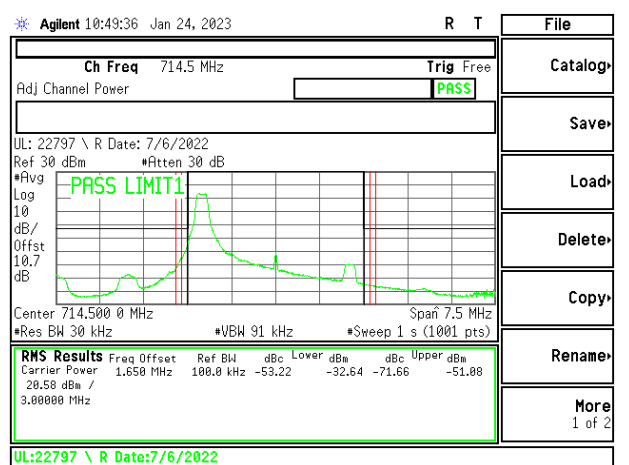
LTE12 3MHz QPSK LOW Ch RB1-0



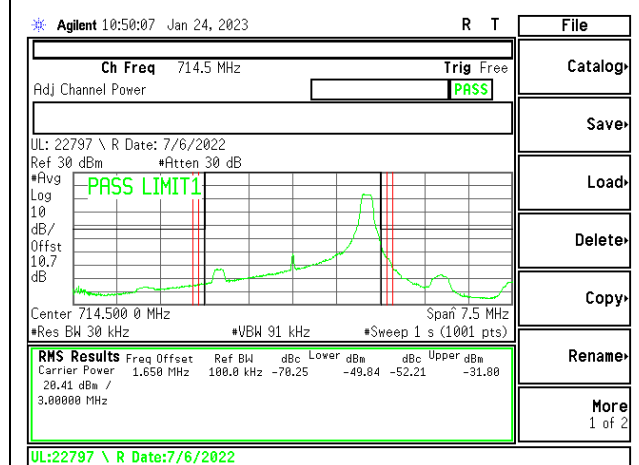
LTE12 3MHz QPSK LOW Ch RB1-14



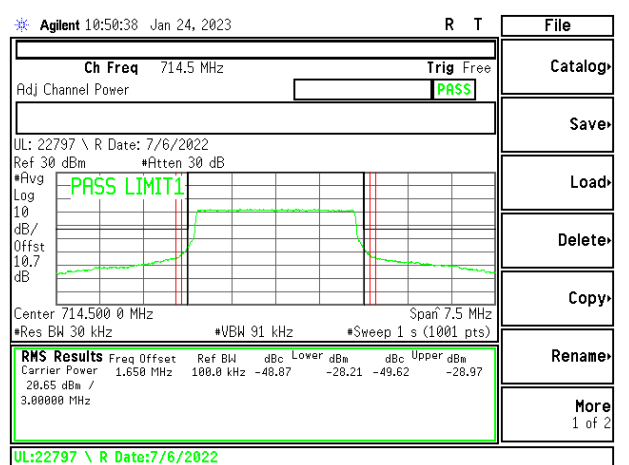
LTE12 3MHz QPSK LOW Ch RB15-0



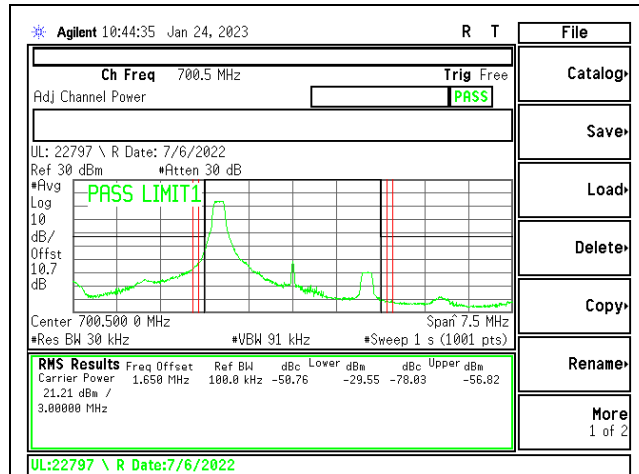
LTE12 3MHz QPSK HIGH Ch RB1-0



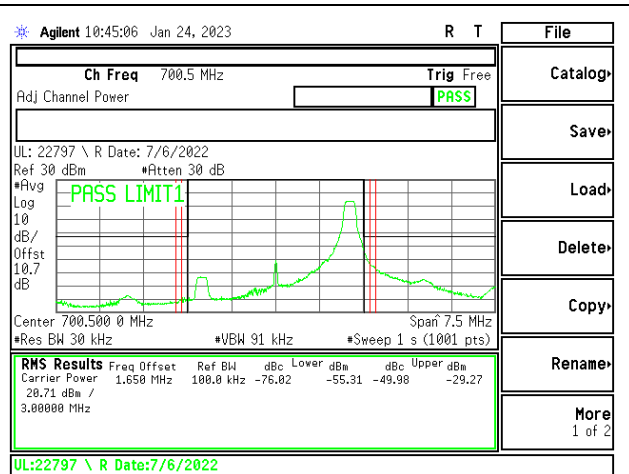
LTE12 3MHz QPSK HIGH Ch RB1-14



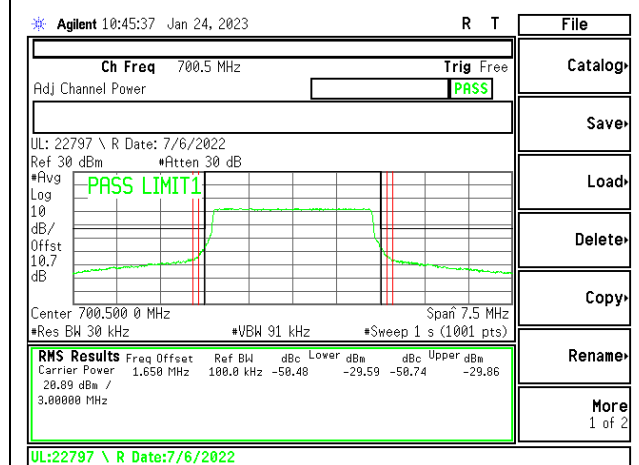
LTE12 3MHz QPSK HIGH Ch RB15-0



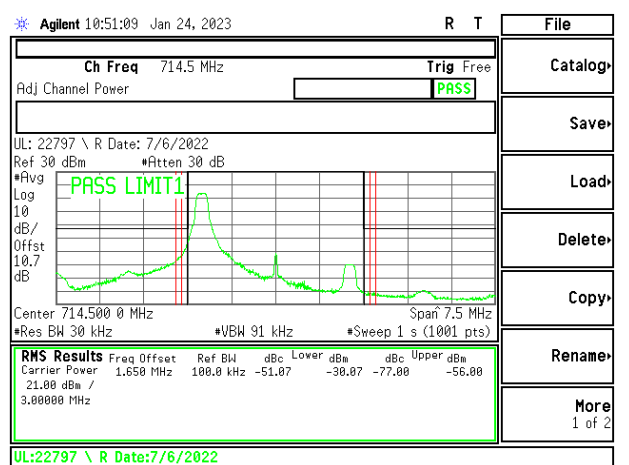
LTE12 3MHz 16QAM LOW Ch RB1-0



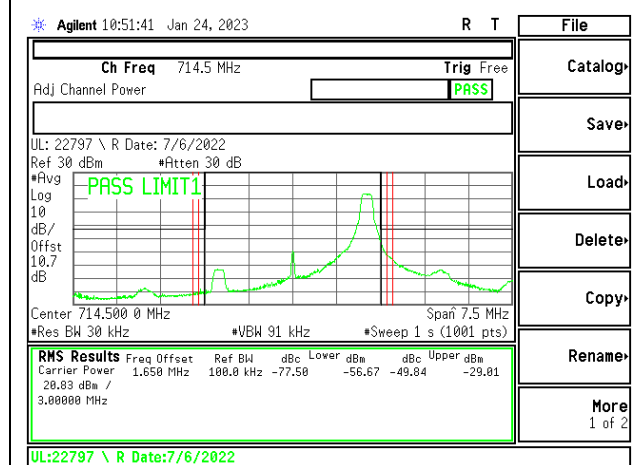
LTE12 3MHz 16QAM LOW Ch RB1-14



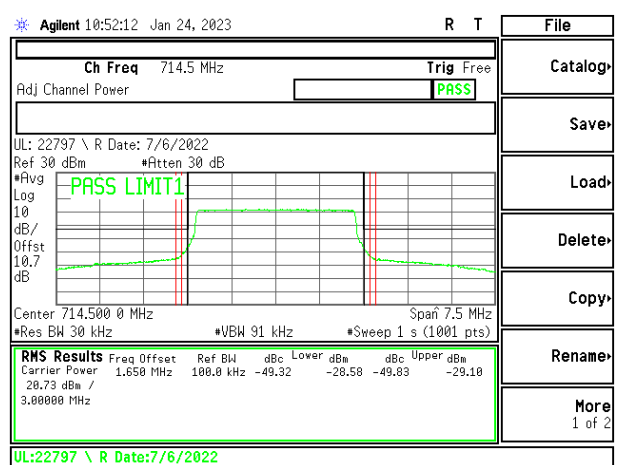
LTE12 3MHz 16QAM LOW Ch RB15-0



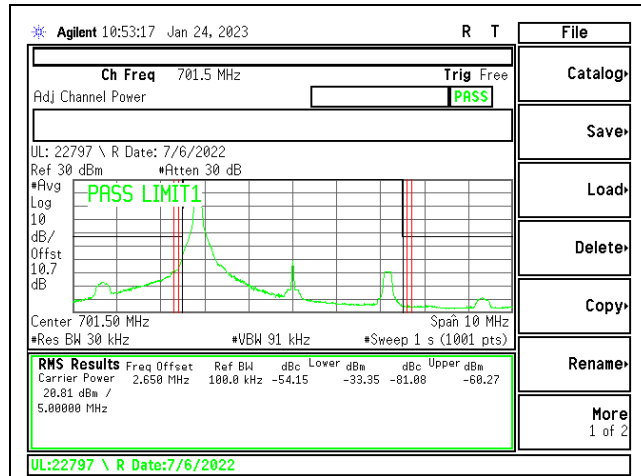
LTE12 3MHz 16QAM HIGH Ch RB1-0



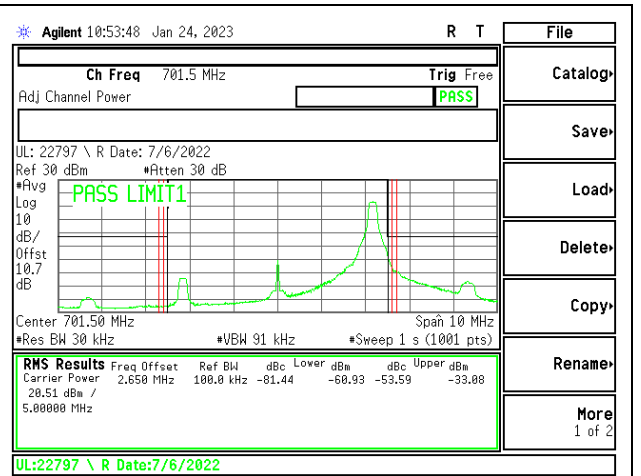
LTE12 3MHz 16QAM HIGH Ch RB1-14



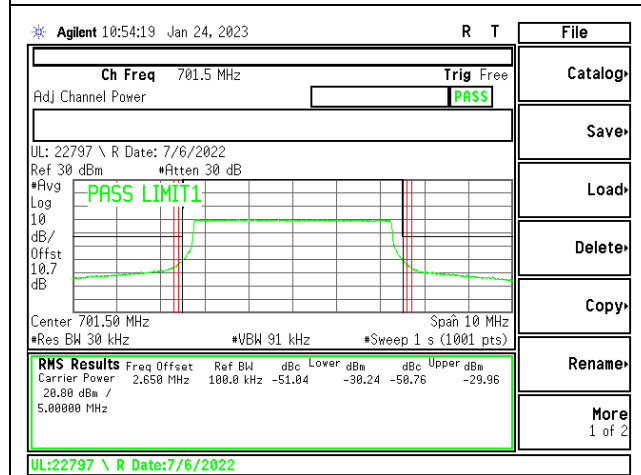
LTE12 3MHz 16QAM HIGH Ch RB15-0



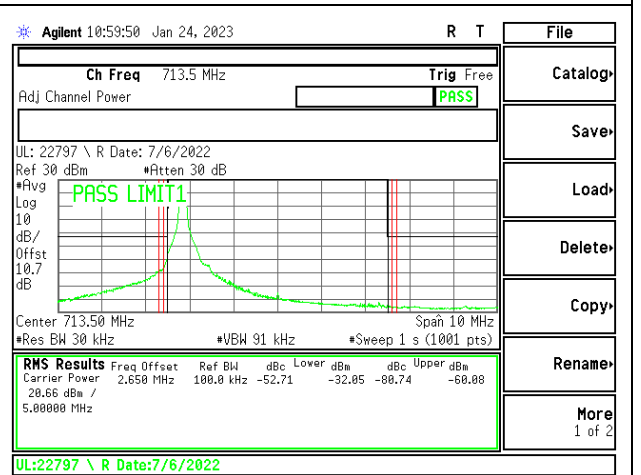
LTE12 5MHz QPSK LOW Ch RB1-0



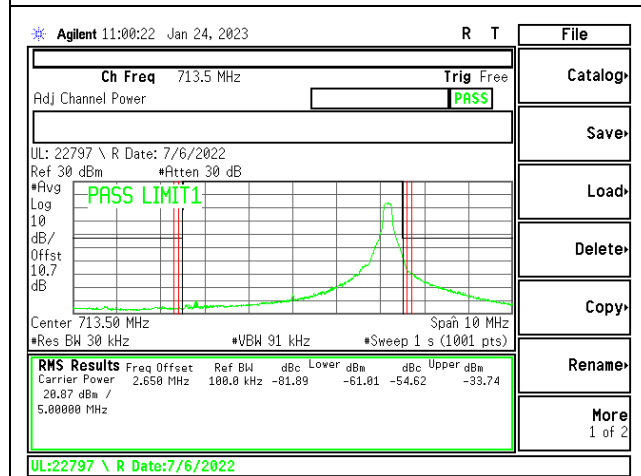
LTE12 5MHz QPSK LOW Ch RB1-24



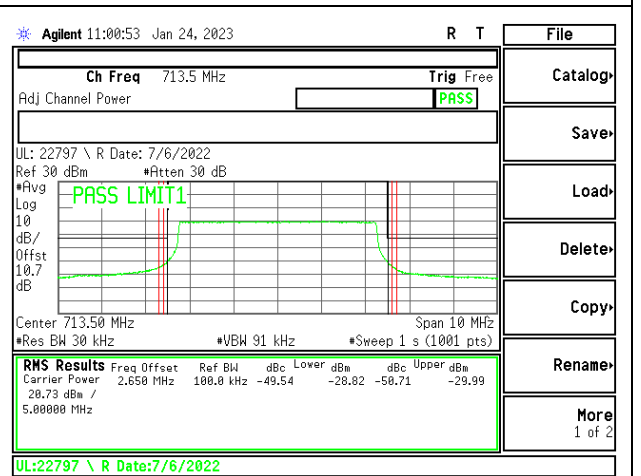
LTE12 5MHz QPSK LOW Ch RB25-0



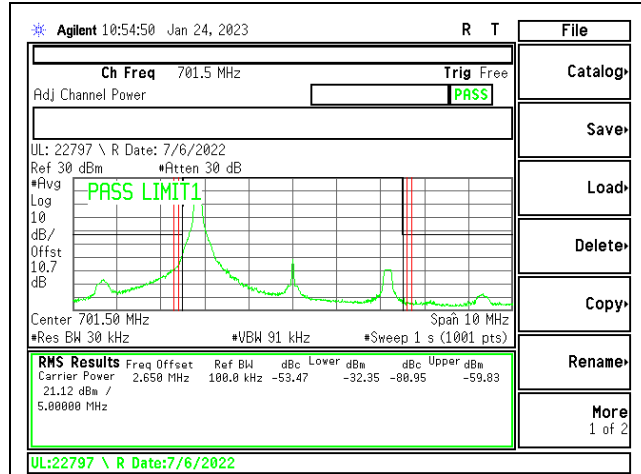
LTE12 5MHz QPSK HIGH Ch RB1-0



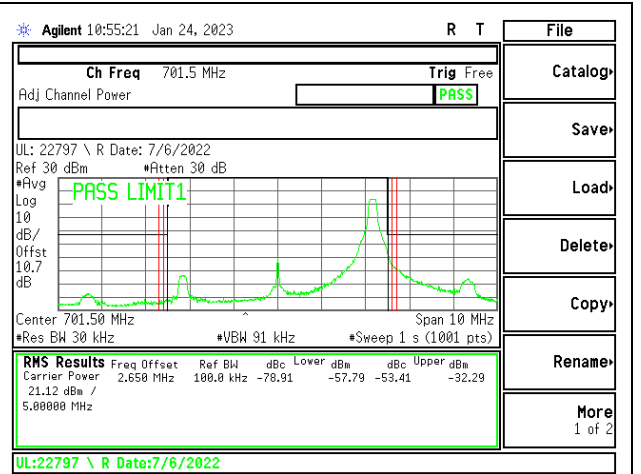
LTE12 5MHz QPSK HIGH Ch RB1-24



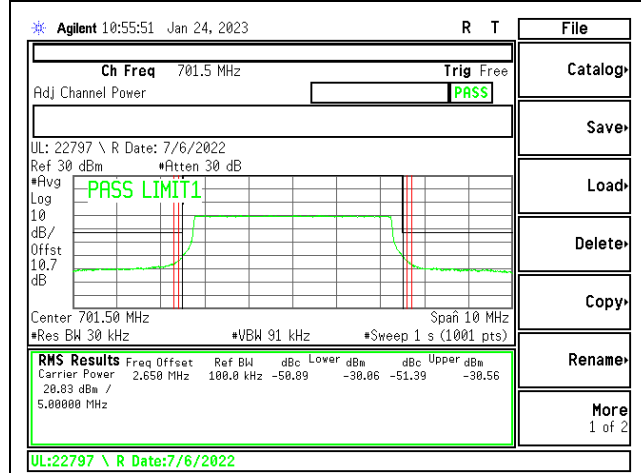
LTE12 5MHz QPSK HIGH Ch RB25-0



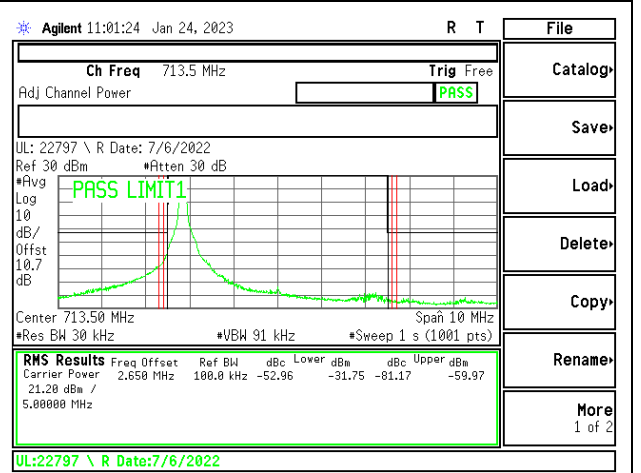
LTE12 5MHz 16QAM LOW Ch RB1-0



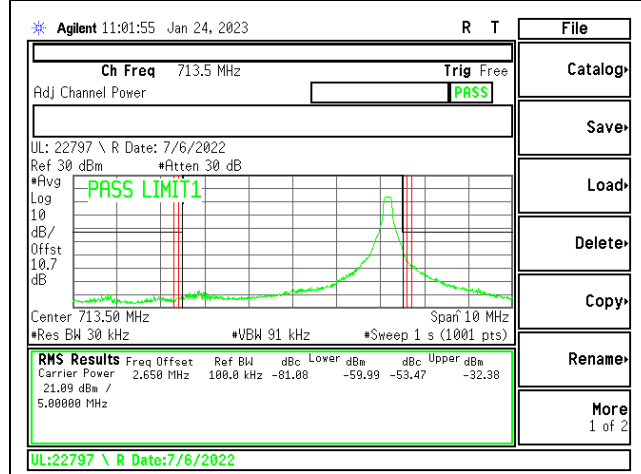
LTE12 5MHz 16QAM LOW Ch RB1-24



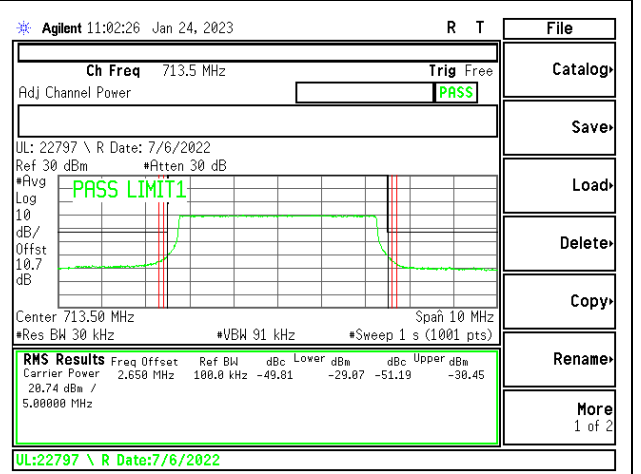
LTE12 5MHz 16QAM LOW Ch RB25-0



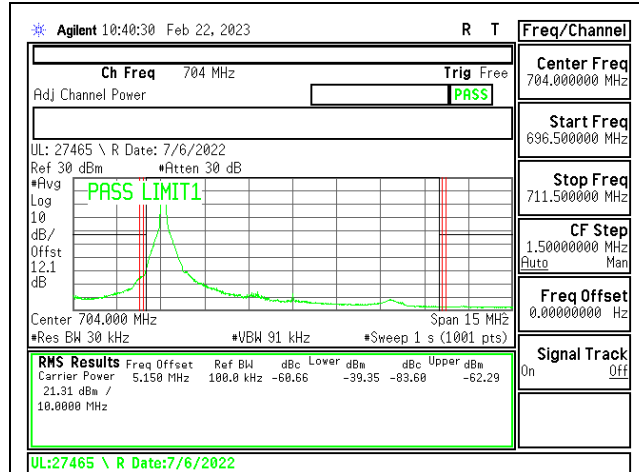
LTE12 5MHz 16QAM HIGH Ch RB1-0



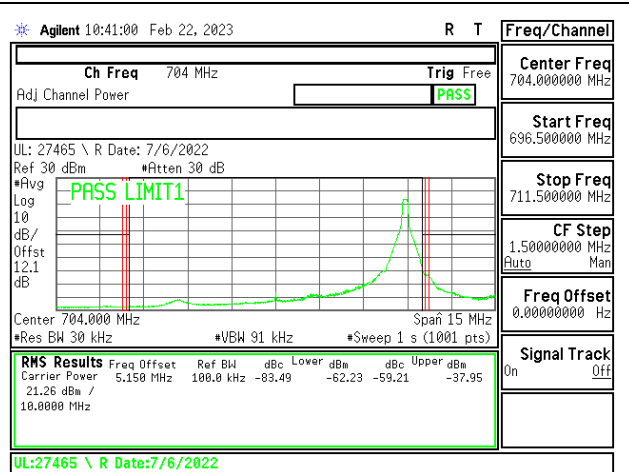
LTE12 5MHz 16QAM HIGH Ch RB1-24



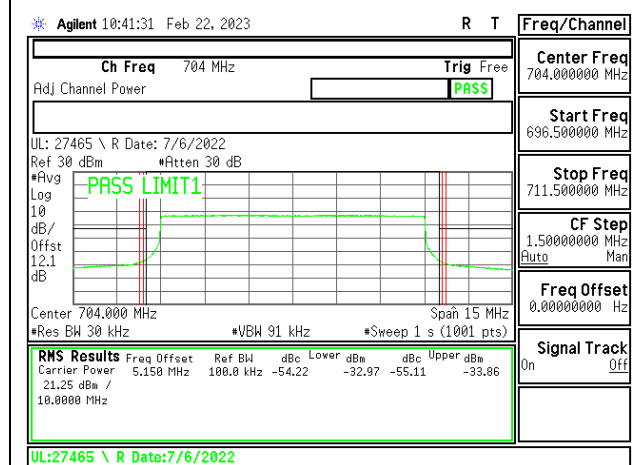
LTE12 5MHz 16QAM HIGH Ch RB25-0



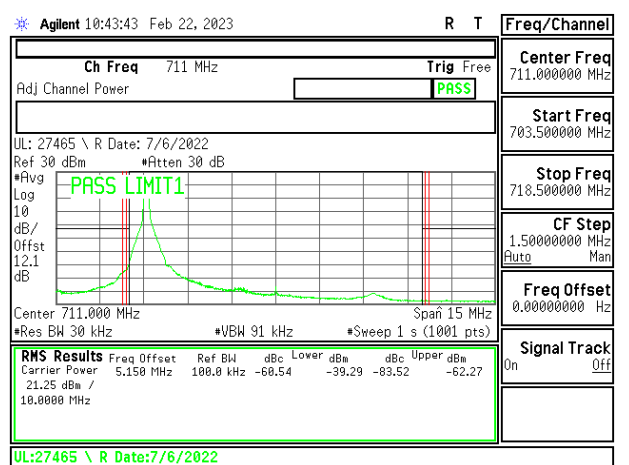
LTE12 10MHz QPSK LOW Ch RB1-0



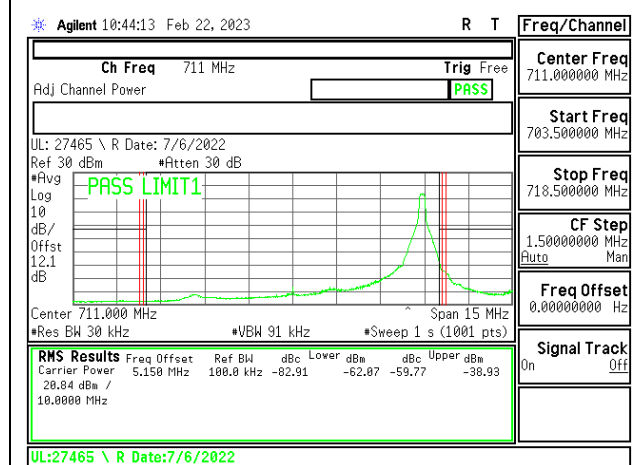
LTE12 10MHz QPSK LOW Ch RB1-49



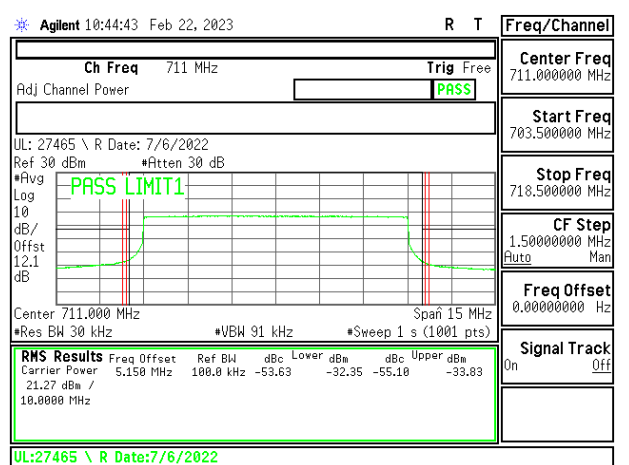
LTE12 10MHz QPSK LOW Ch RB50-0



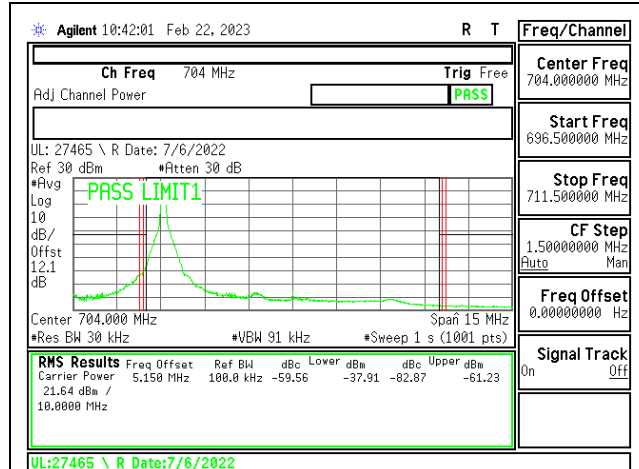
LTE12 10MHz QPSK HIGH Ch RB1-0



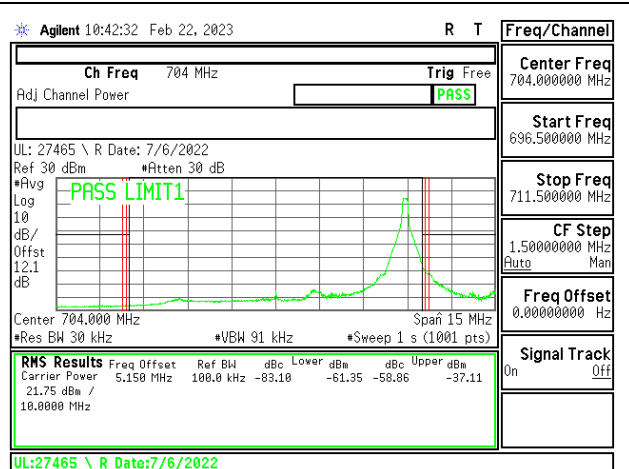
LTE12 10MHz QPSK HIGH Ch RB1-49



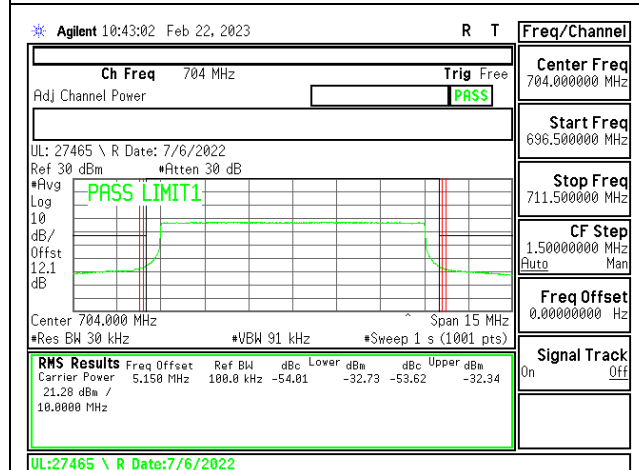
LTE12 10MHz QPSK HIGH Ch RB50-0



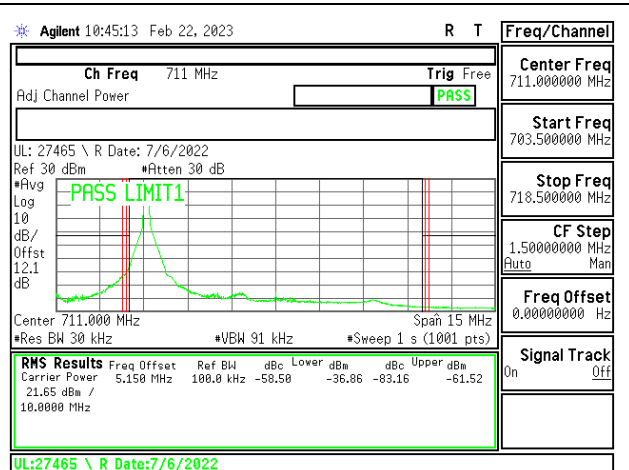
LTE12 10MHz 16QAM LOW Ch RB1-0



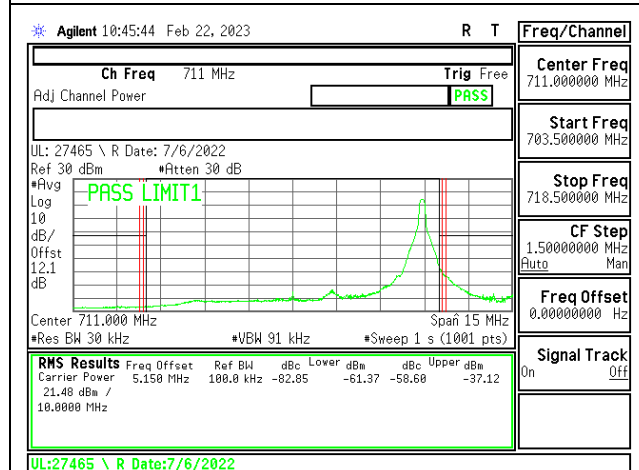
LTE12 10MHz 16QAM LOW Ch RB1-49



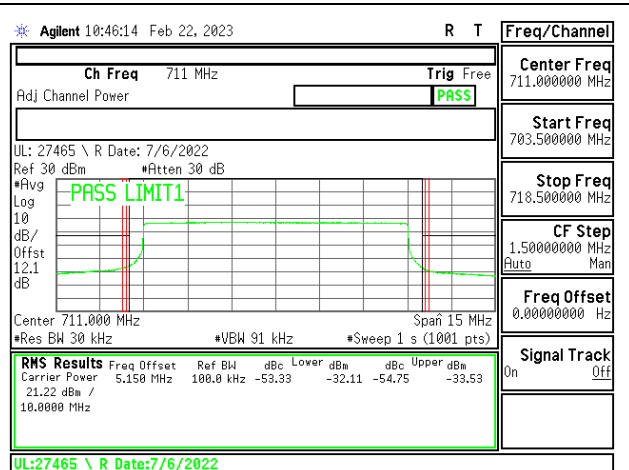
LTE12 10MHz 16QAM LOW Ch RB50-0



LTE12 10MHz 16QAM HIGH Ch RB1-0



LTE12 10MHz 16QAM HIGH Ch RB1-49



LTE12 10MHz 16QAM HIGH Ch RB50-0

**9.2.7. LTE13****LIMITS**

FCC: §27.53

(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the 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, in accordance with the following:

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(f) Emissions in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. ( $-70$  dBW/MHz =  $-40$  dBm/MHz).

<b>Test Engineer ID:</b>	22797/44389	<b>Test Date:</b>	2023-01-24	<b>EUT Serial Number:</b>	QV7700HTFN
--------------------------	-------------	-------------------	------------	---------------------------	------------