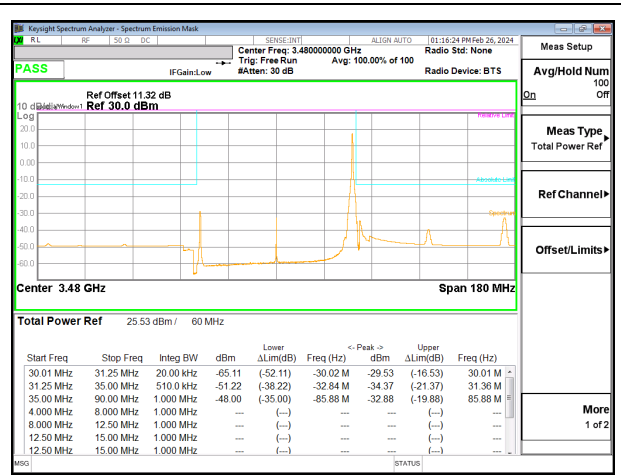
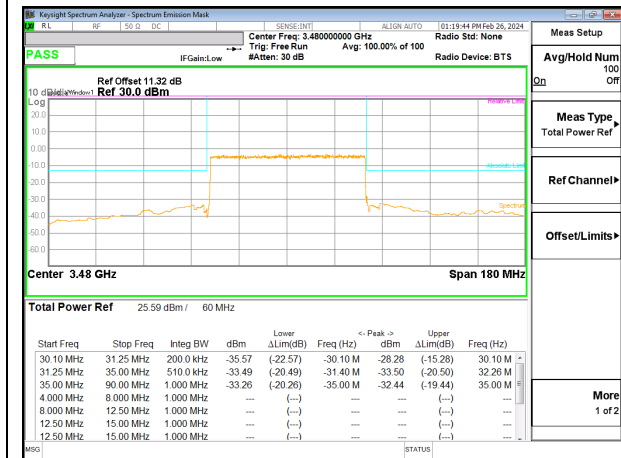


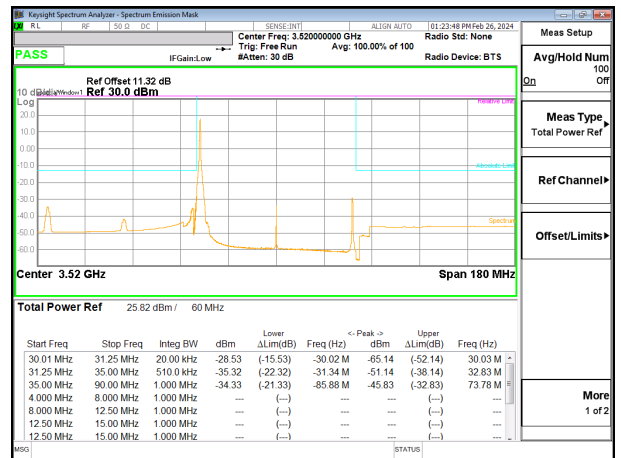
5G NR n77 60MHz QPSK Low Channel RB1-0



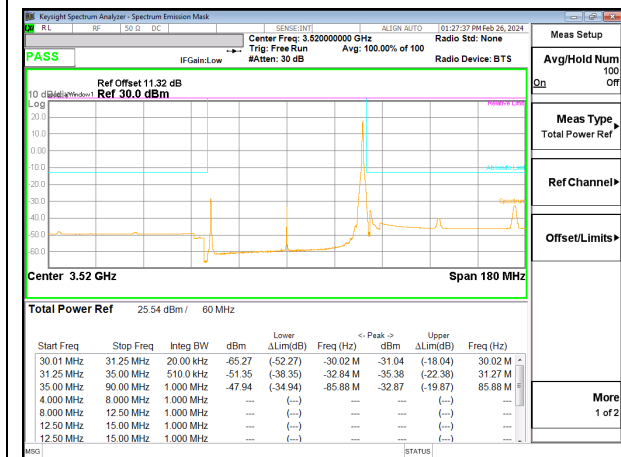
5G NR n77 60MHz QPSK Low Channel RB1-10



5G NR n77 60MHz QPSK Low Channel RB160-0



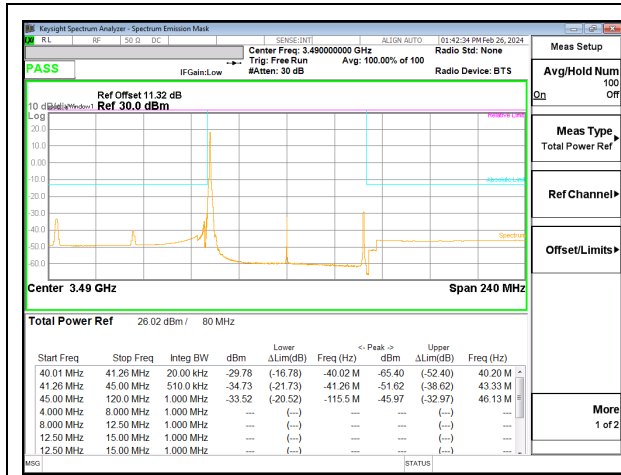
5G NR n77 60MHz QPSK High Channel RB1-0



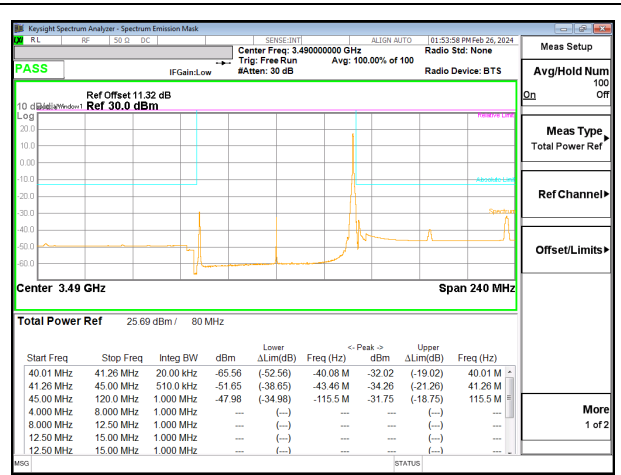
5G NR n77 60MHz QPSK High Channel RB1-16+0



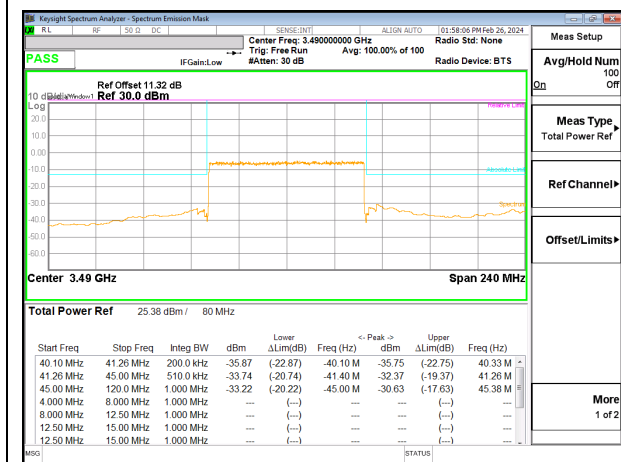
5G NR n77 60MHz QPSK High Channel RB162-0



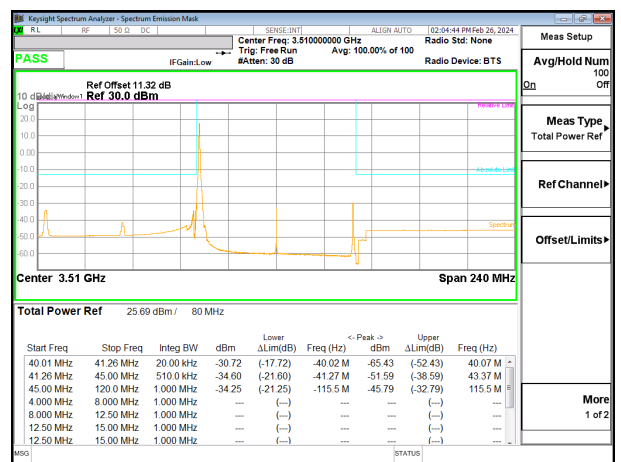
5G NR n77 80MHz QPSK Low Channel RB1-0



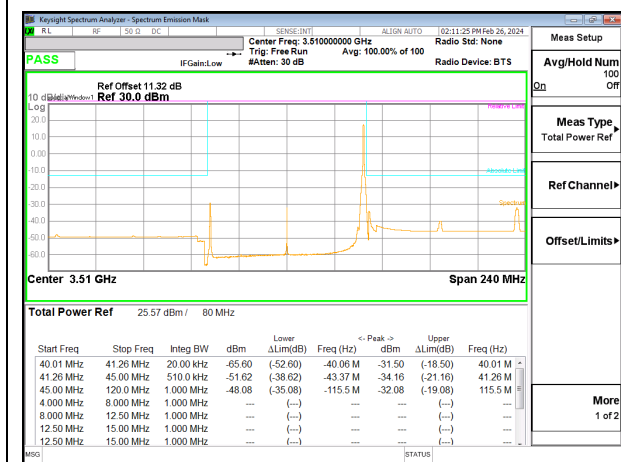
5G NR n77 80MHz QPSK Low Channel RB1-215



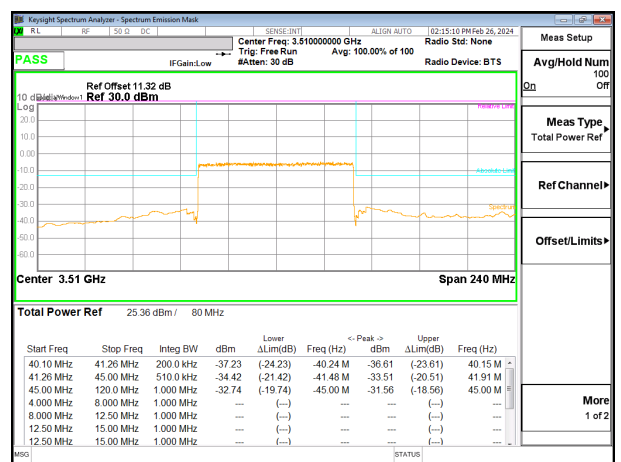
5G NR n77 80MHz QPSK Low Channel RB216-0



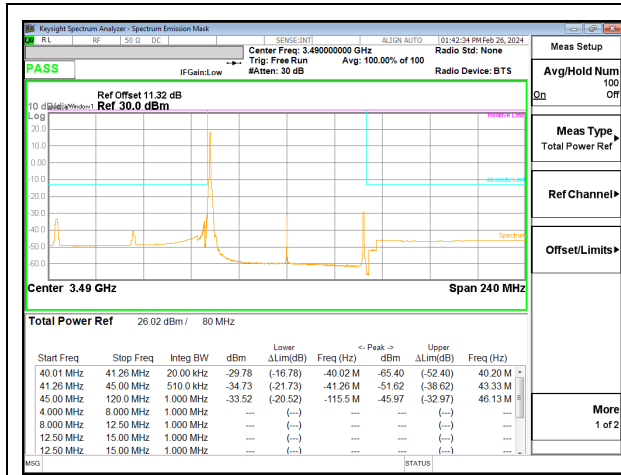
5G NR n77 80MHz QPSK High Channel RB1-0



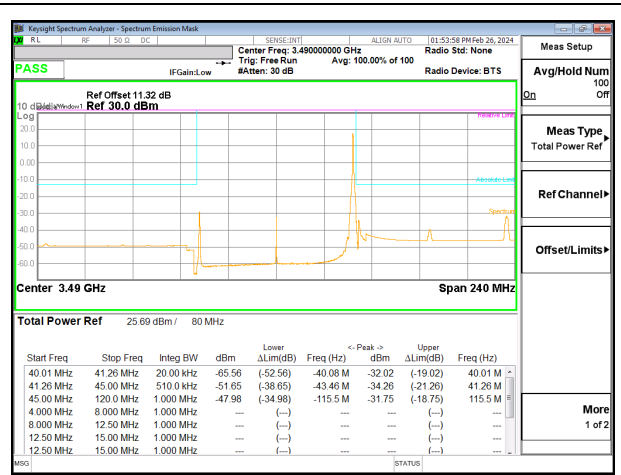
5G NR n77 80MHz QPSK High Channel RB1-215



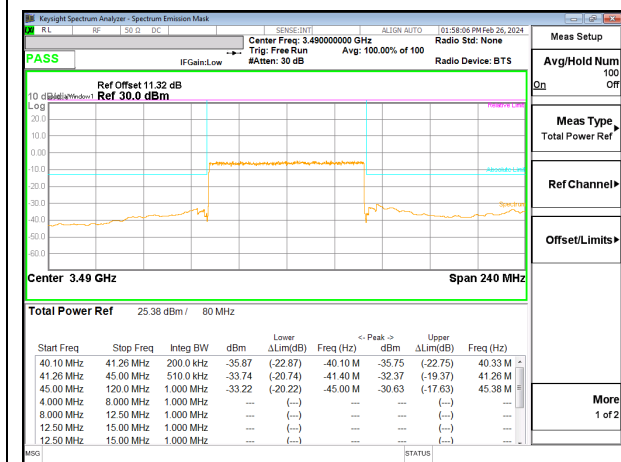
5G NR n77 80MHz QPSK High Channel RB216-0



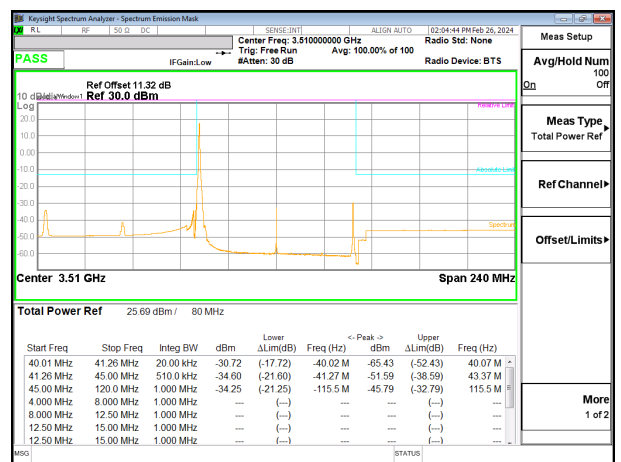
5G NR n77 100MHz QPSK Low Channel RB1-0



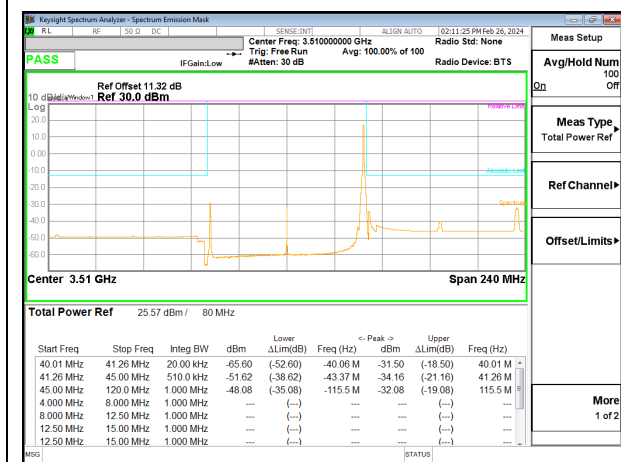
5G NR n77 100MHz QPSK Low Channel RB1-271



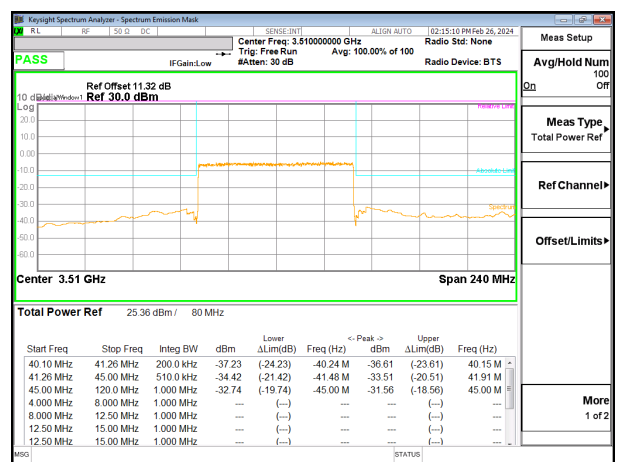
5G NR n77 100MHz QPSK Low Channel RB270-0



5G NR n77 100MHz QPSK High Channel RB1-0



5G NR n77 100MHz QPSK High Channel RB1-271



5G NR n77 100MHz QPSK High Channel RB270-0

9.3. OUT OF BAND EMISSIONS

TEST PROCEDURE

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

For each out of band emissions measurement:

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

RESULTS

9.3.1. LTE BAND 2

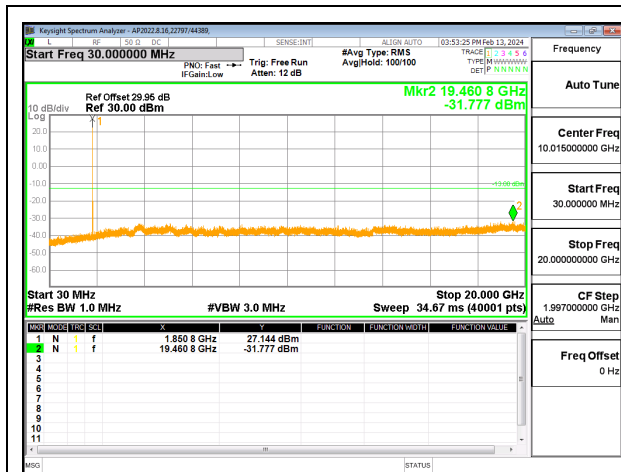
LIMITS

FCC: §24.238 (a)

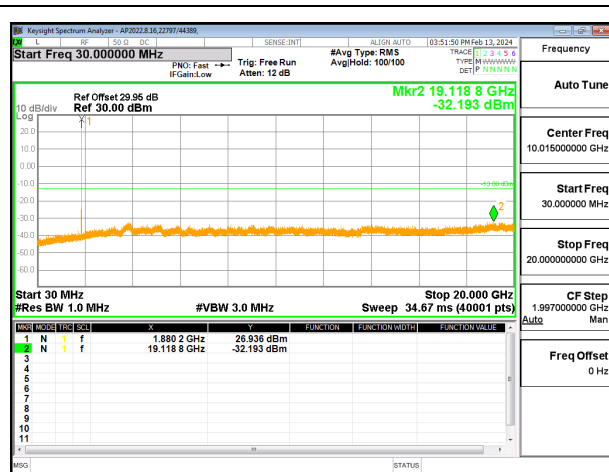
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

Test Engineer ID:	22797/44389	Test Date:	2024-02-13	EUT Serial Number:	QV7700DNJP
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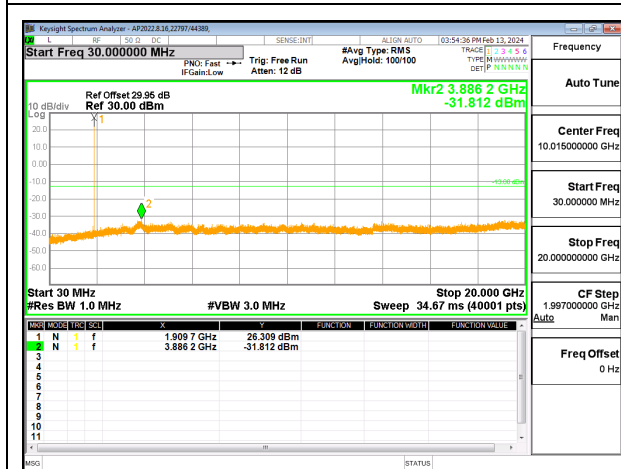
LTE BAND 2



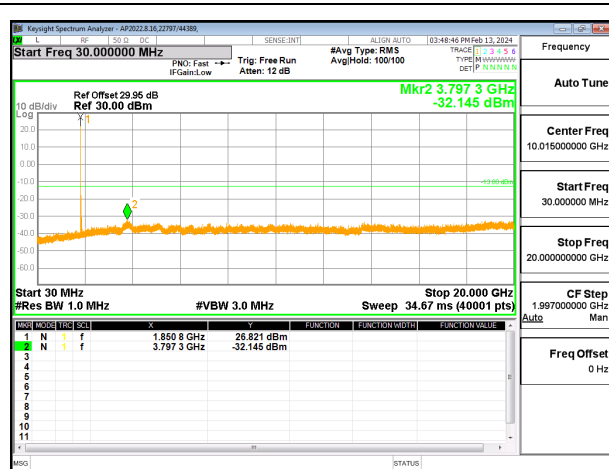
LTE B2 1.4MHz QPSK Low Channel RB1-0



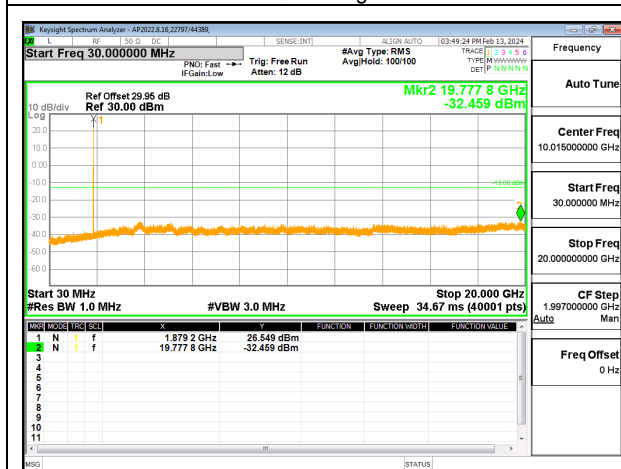
LTE B2 1.4MHz QPSK Middle Channel RB1-0



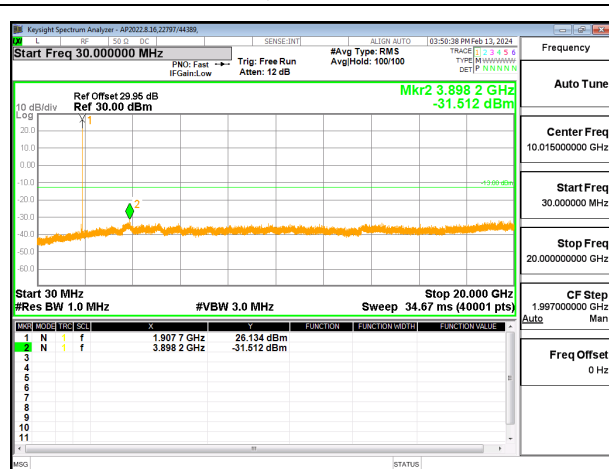
LTE B2 1.4MHz QPSK High Channel RB1-0



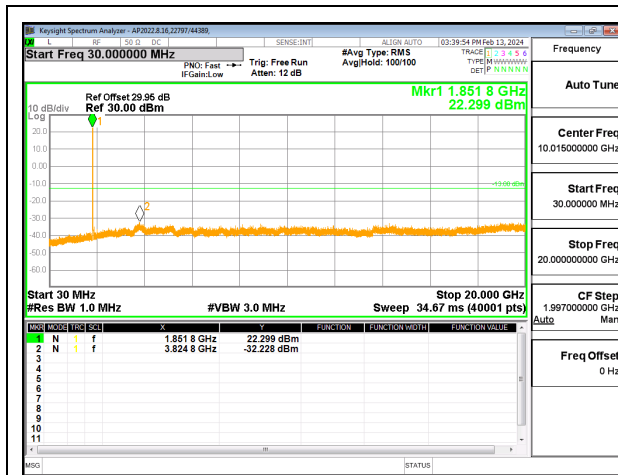
LTE B2 3MHz QPSK Low Channel RB1-0



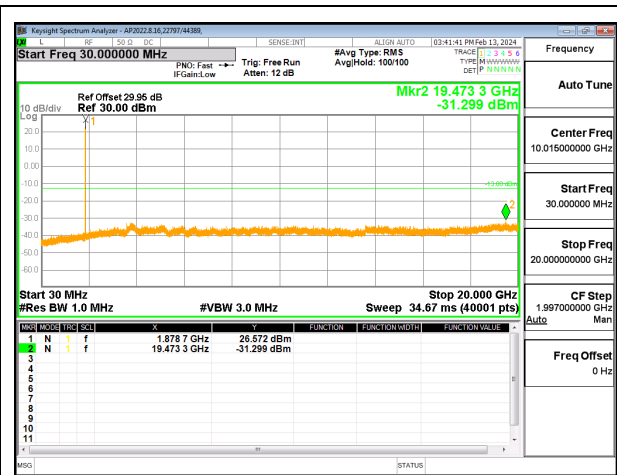
LTE B2 3MHz QPSK Middle Channel RB1-0



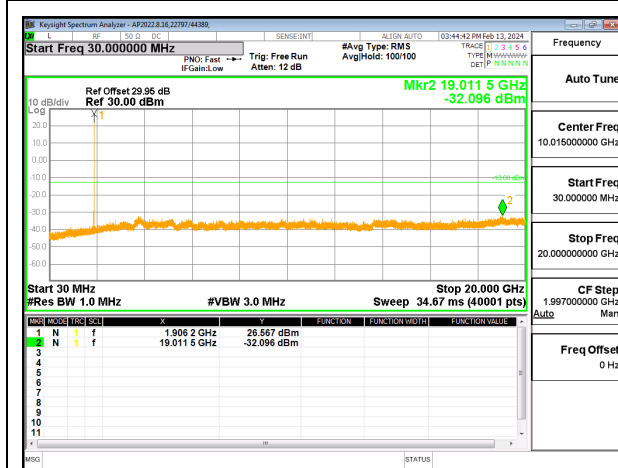
LTE B2 3MHz QPSK High Channel RB1-0



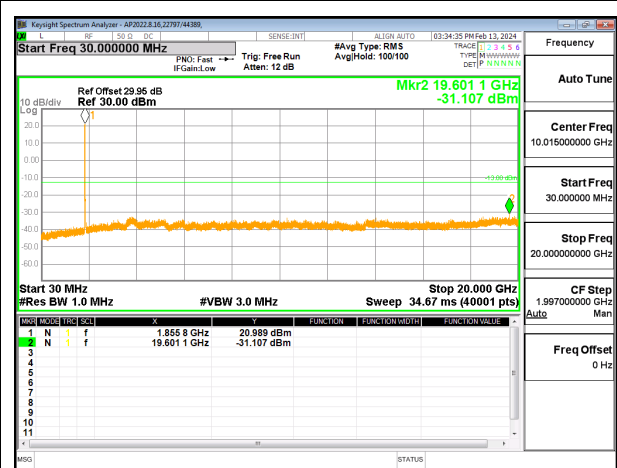
LTE B2 5MHz QPSK Low Channel RB1-0



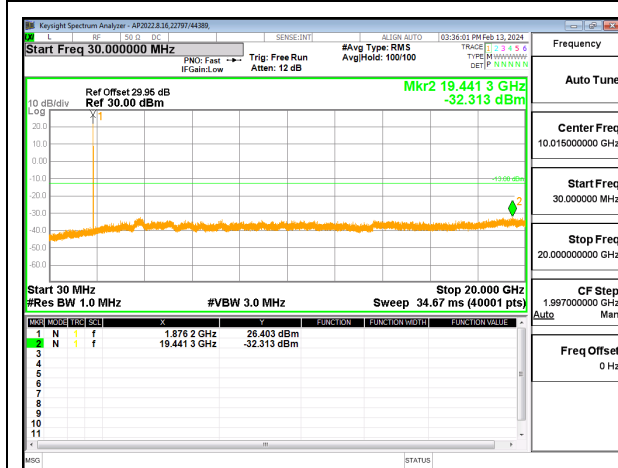
LTE B2 5MHz QPSK Middle Channel RB1-0



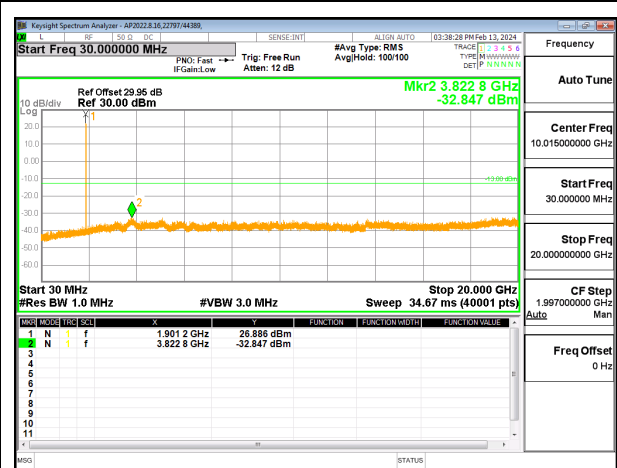
LTE B2 5MHz QPSK High Channel RB1-0



LTE B2 10MHz QPSK Low Channel RB1-0



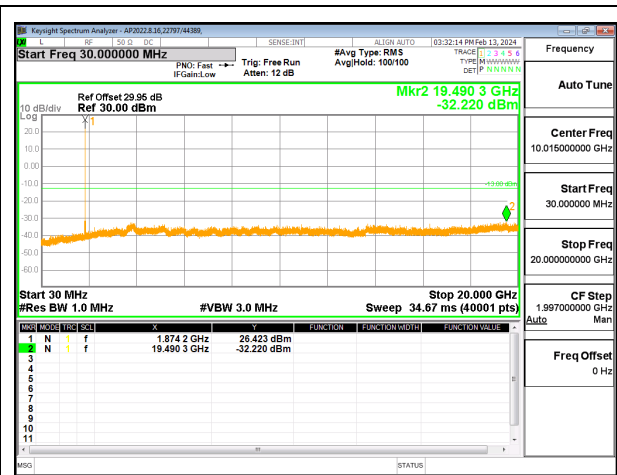
LTE B2 10MHz QPSK Middle Channel RB1-0



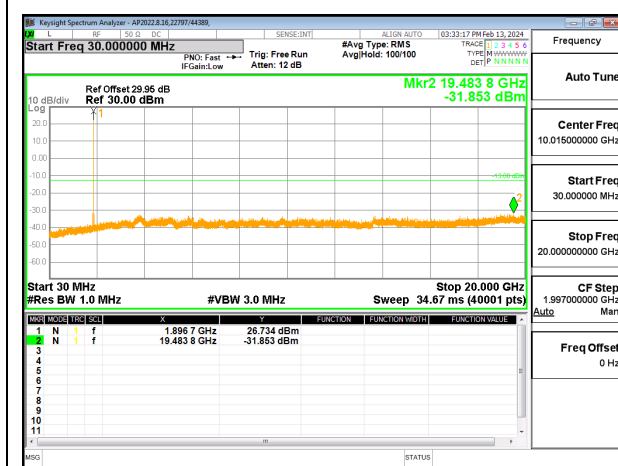
LTE B2 10MHz QPSK High Channel RB1-0



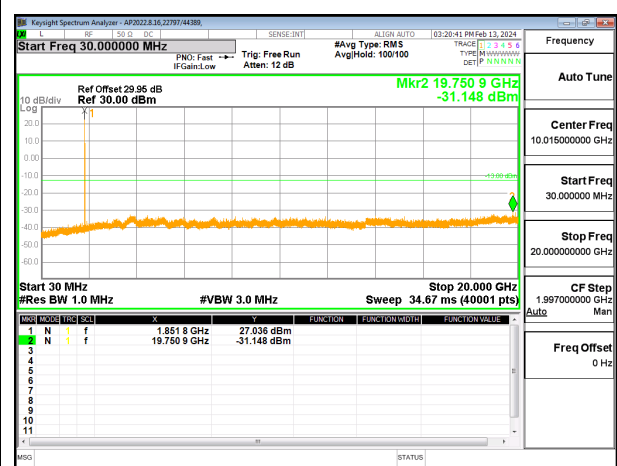
LTE B2 15MHz QPSK Low Channel RB1-0



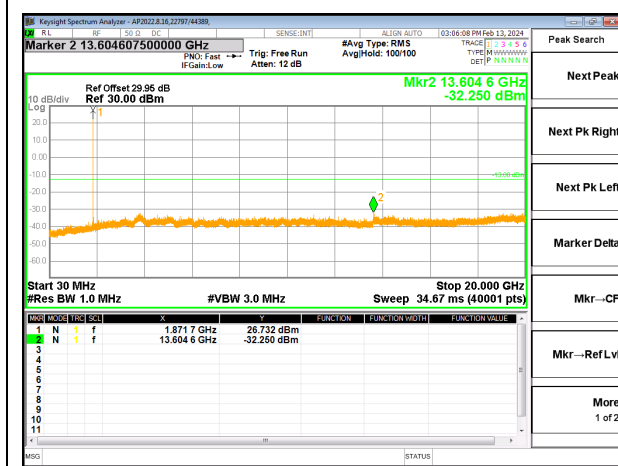
LTE B2 15MHz QPSK Middle Channel RB1-0



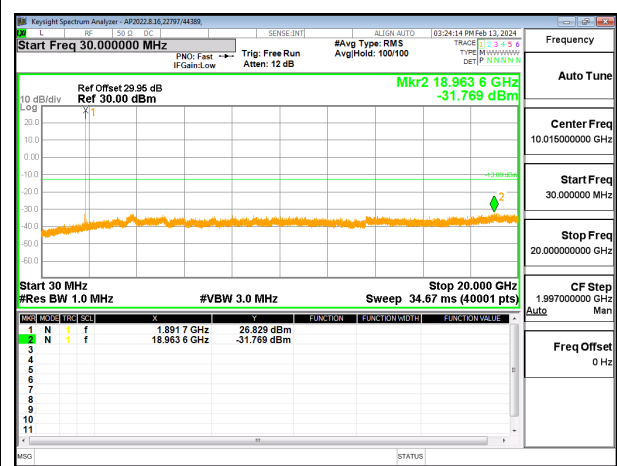
LTE B2 15MHz QPSK High Channel RB1-0



LTE B2 20MHz QPSK Low Channel RB1-0



LTE B2 20MHz QPSK Middle Channel RB1-0



LTE B2 20MHz QPSK High Channel RB1-0

9.3.2. LTE BAND 5 AND 5G NR n5

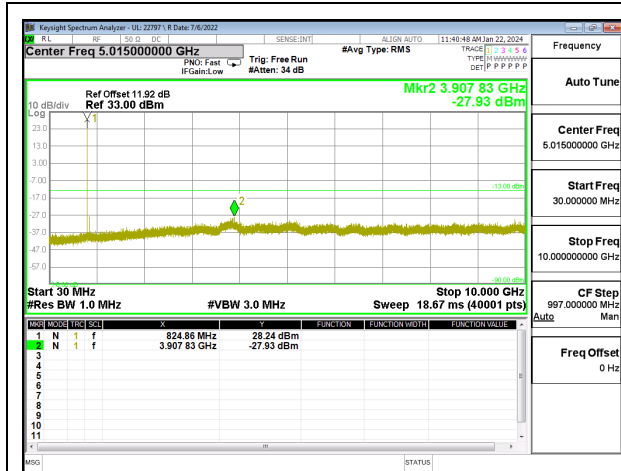
LIMITS

FCC: §22.917 (a)

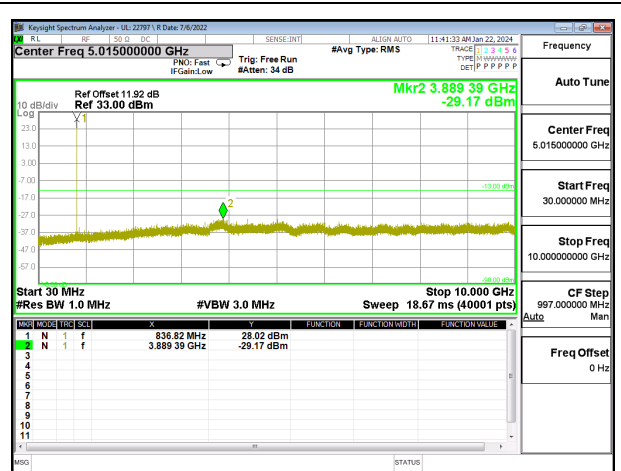
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

Test Engineer ID:	22797/85502	Test Date:	2024-01-22 2024-02-22	EUT Serial Number:	QV7700DNJP QV77005HJP
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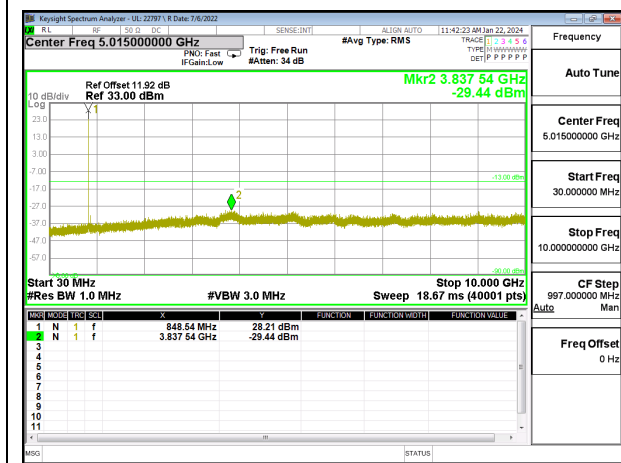
LTE BAND 5



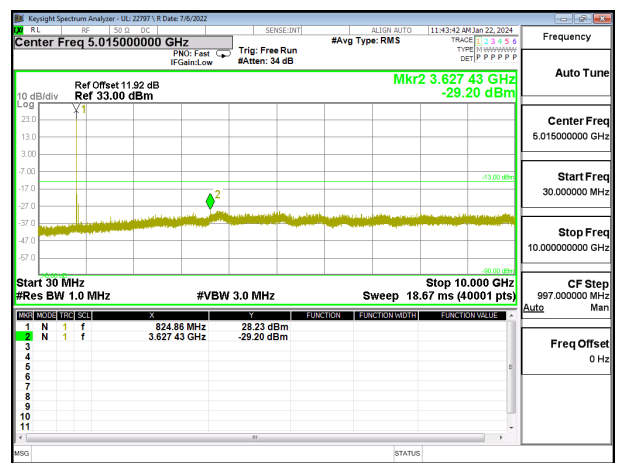
<5G NR><LTE> <B5> 1.4MHz QPSK Low Channel RB1-0



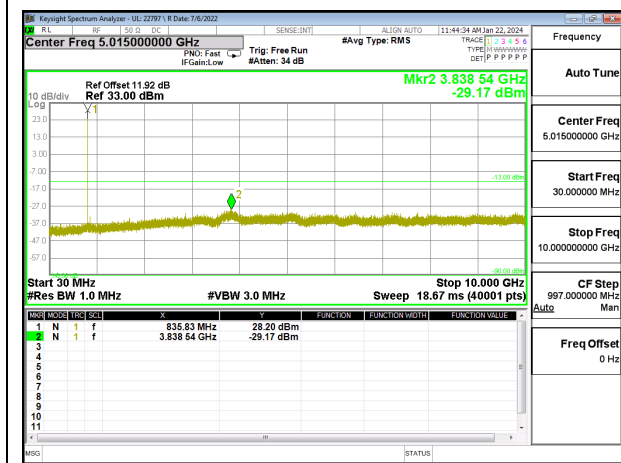
<5G NR><LTE> <B5> 1.4MHz QPSK Middle Channel RB1-0



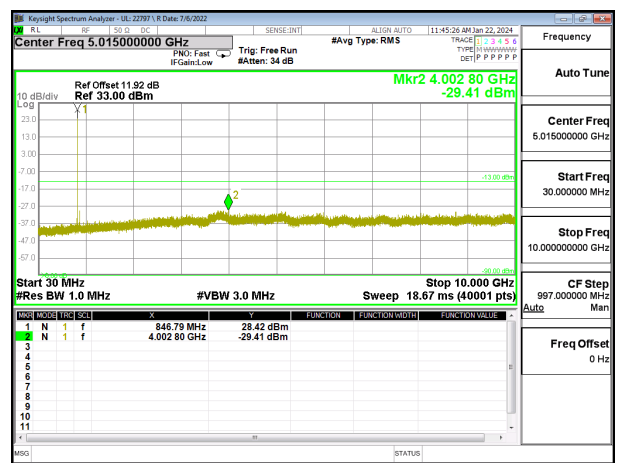
<5G NR><LTE> <B5> 1.4MHz QPSK High Channel RB1-0



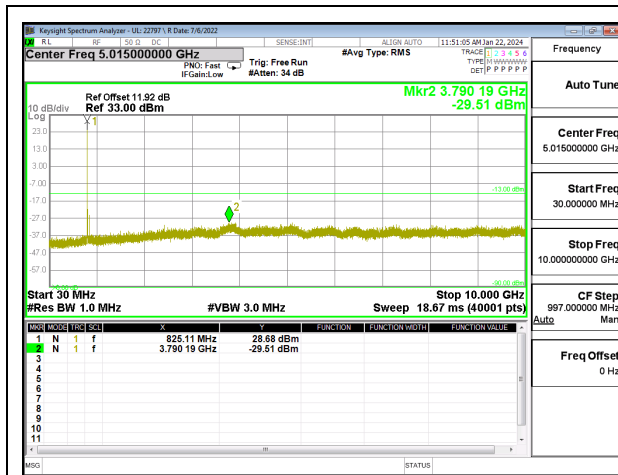
<5G NR><LTE> <B5> 3MHz QPSK Low Channel RB1-0



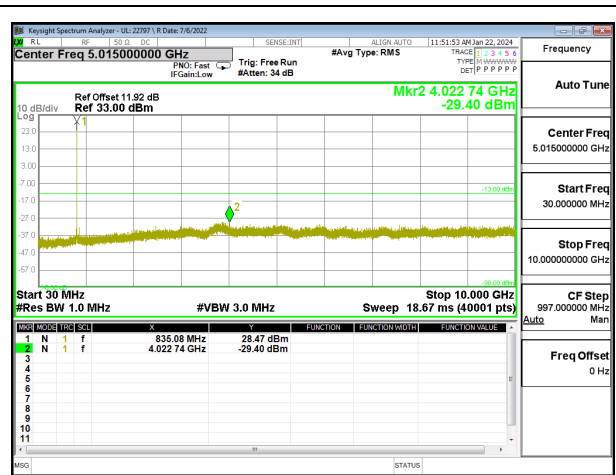
<5G NR><LTE> <B5> 3MHz QPSK Middle Channel RB1-0



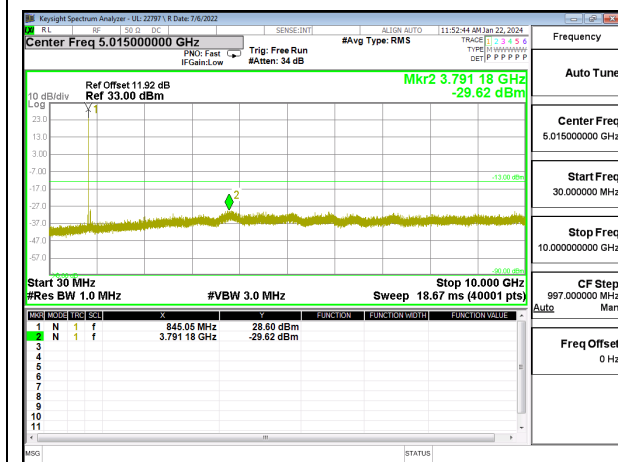
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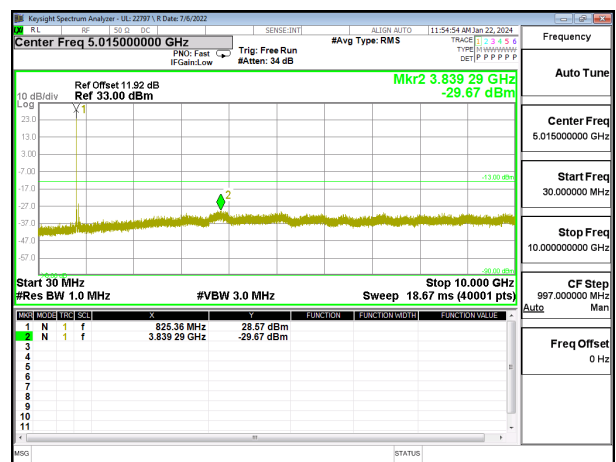
<5G NR><LTE> <B5> 5MHz QPSK Low Channel RB1-0



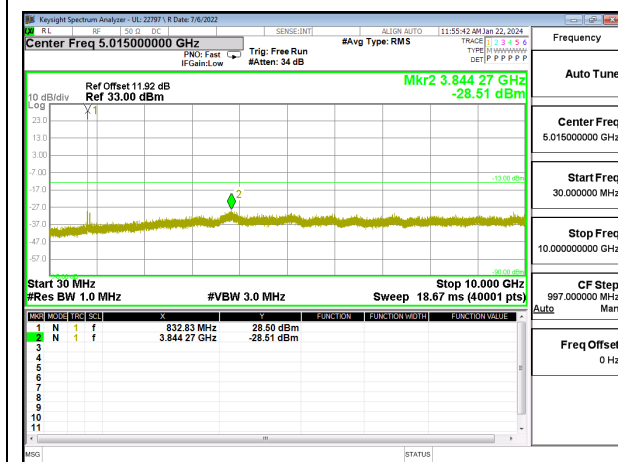
<5G NR><LTE> <B5> 5MHz QPSK Middle Channel RB1-0



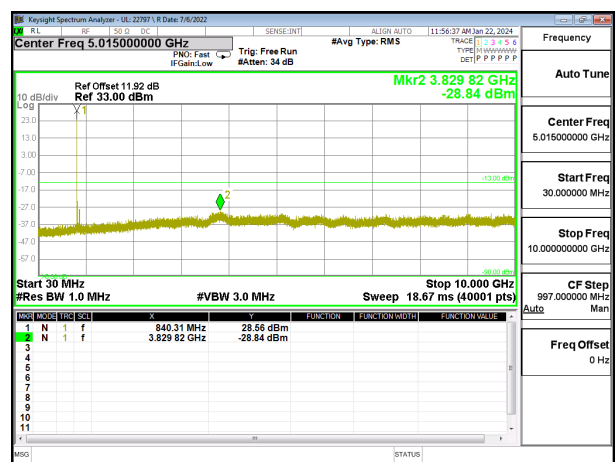
<5G NR><LTE> <B5> 5MHz QPSK High Channel RB1-0



<5G NR><LTE> <B5> 10MHz QPSK Low Channel RB1-0

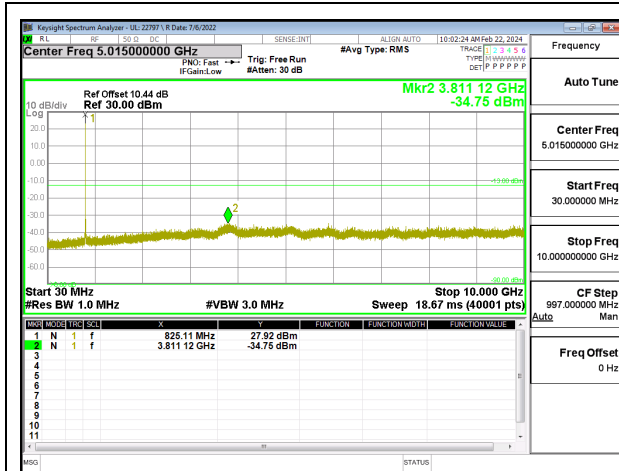


<5G NR><LTE> <B5> 10MHz QPSK Middle Channel RB1-0

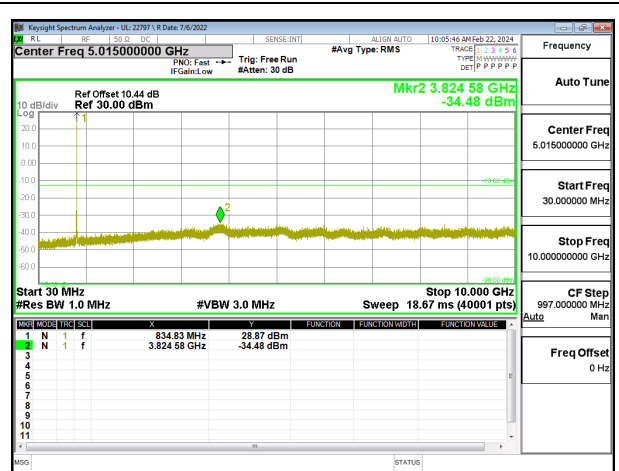


<5G NR><LTE> <B5> 10MHz QPSK High Channel RB1-0

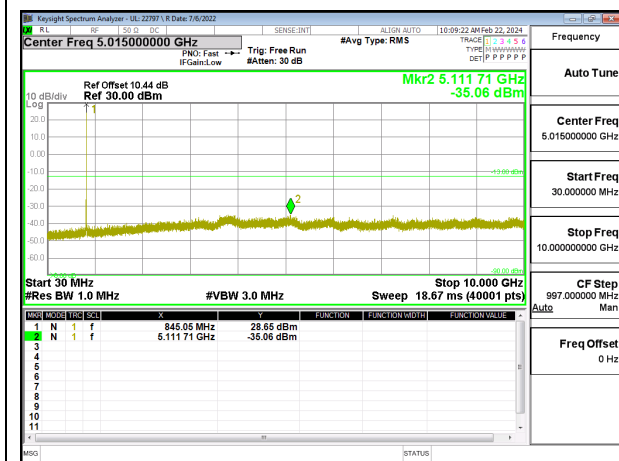
5G NR n5



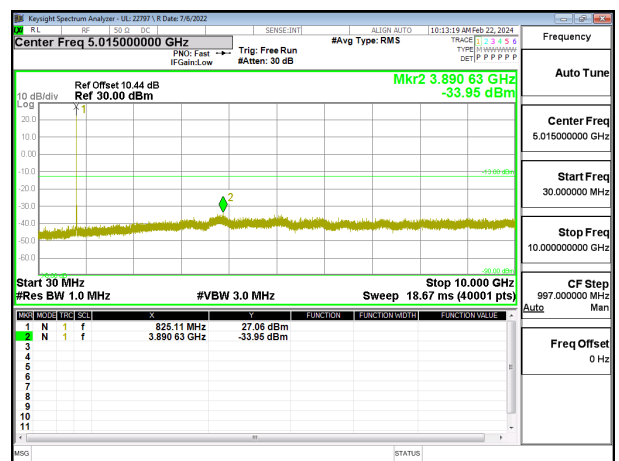
5G NR n5 5MHz BPSK Low Channel RB1-0



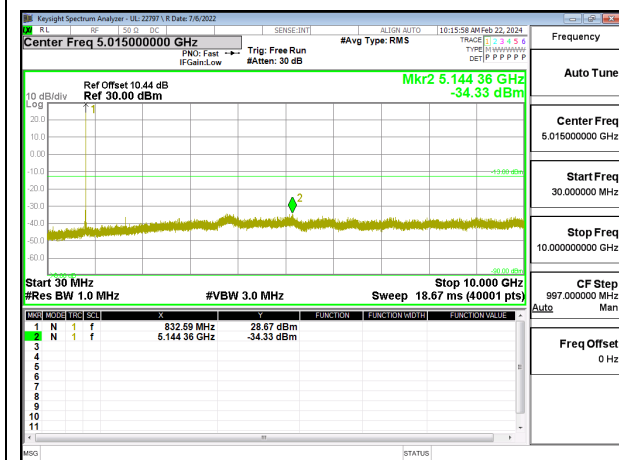
5G NR n5 5MHz BPSK Middle Channel RB1-1



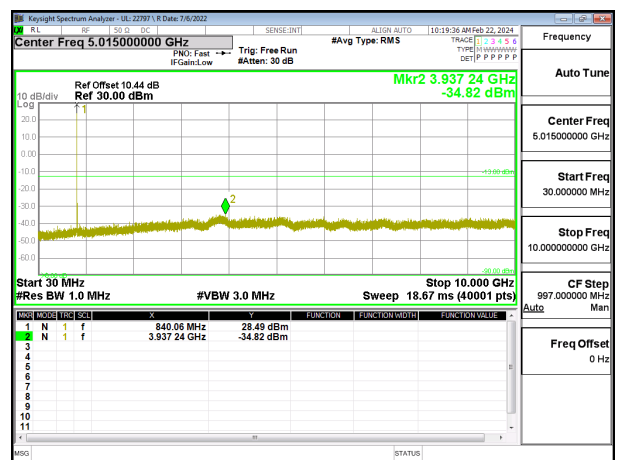
5G NR n5 5MHz BPSK High Channel RB1-24



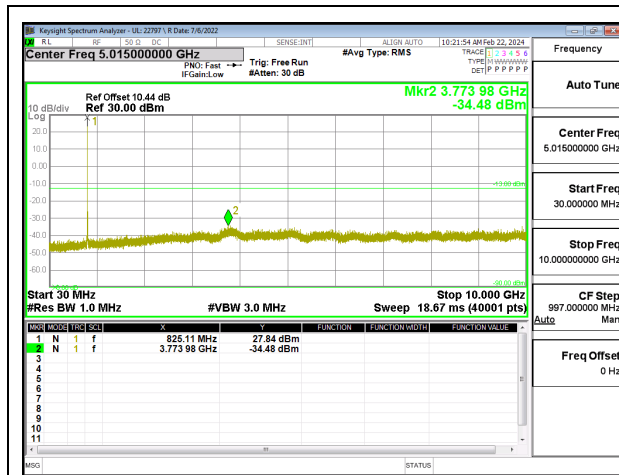
5G NR n5 10MHz BPSK Low Channel RB1-0



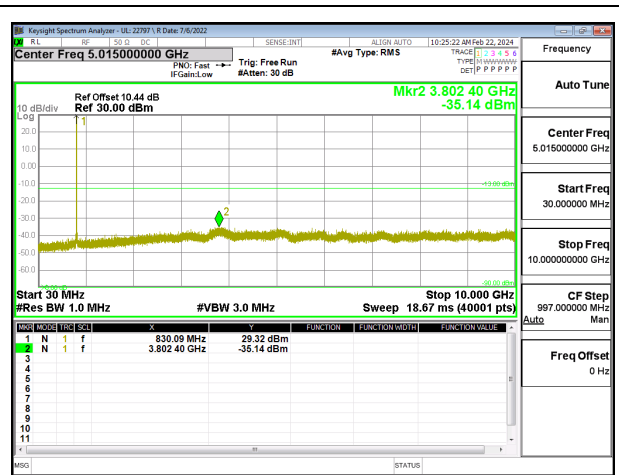
5G NR n5 10MHz BPSK Middle Channel RB1-1



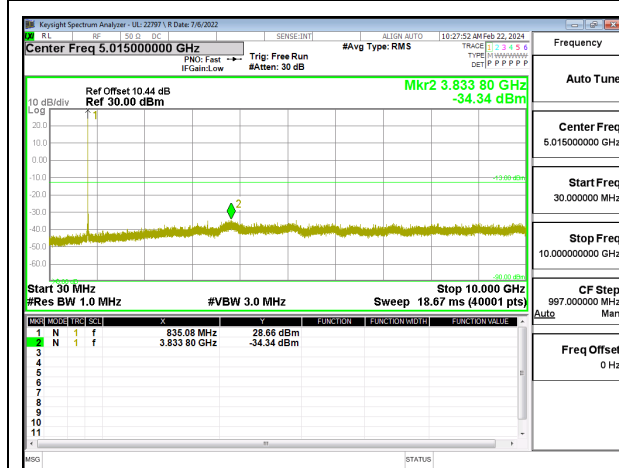
5G NR n5 10MHz BPSK High Channel RB1-51



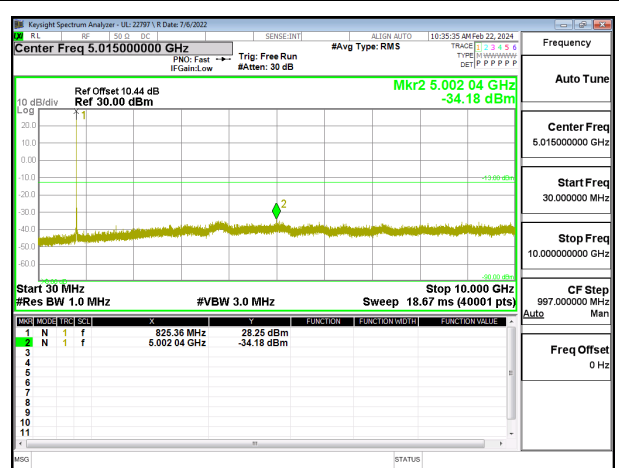
5G NR n5 15MHz BPSK Low Channel RB1-0



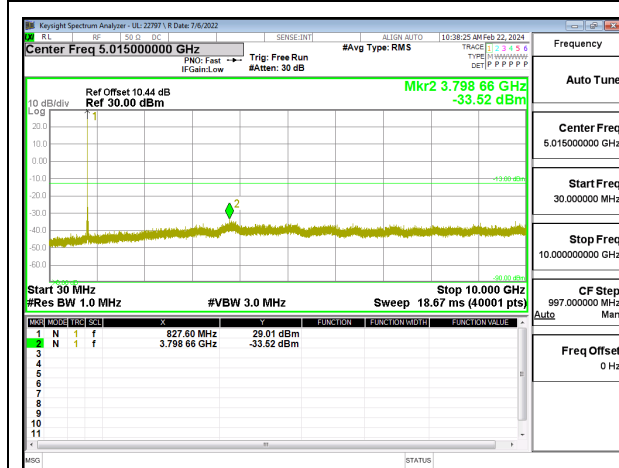
5G NR n5 15MHz BPSK Middle Channel RB1-1



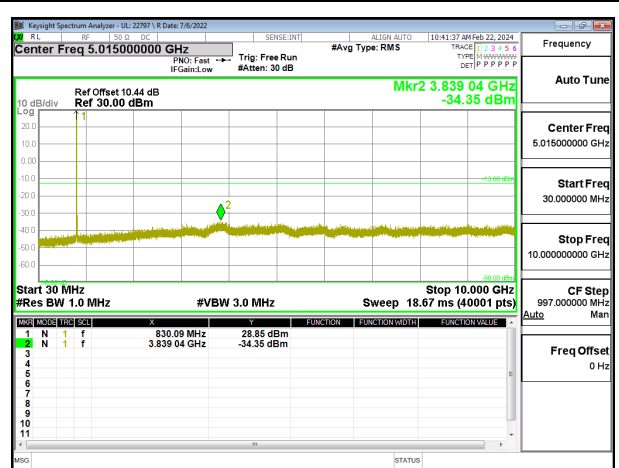
5G NR n5 15MHz BPSK High Channel RB1-78



5G NR n5 20MHz BPSK Low Channel RB1-0



5G NR n5 20MHz BPSK Middle Channel RB1-1



5G NR n5 20MHz BPSK High Channel RB1-105

9.3.3. LTE BAND 12

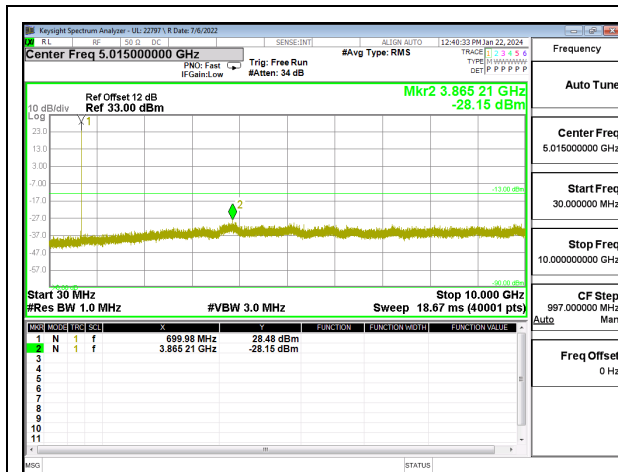
LIMITS

FCC: §27.53 (g)

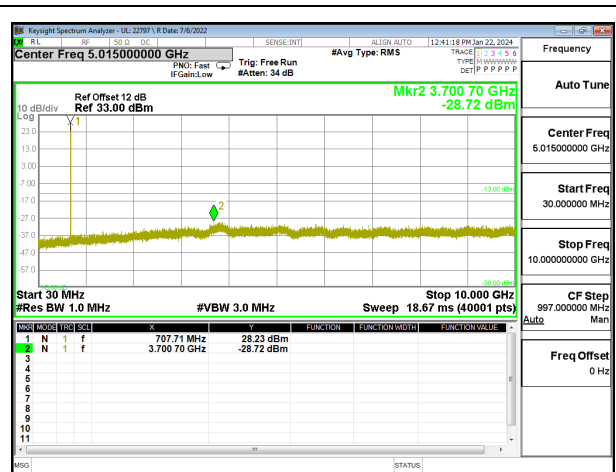
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

Test Engineer ID:	22797/85502	Test Date:	2024-01-22	EUT Serial Number:	QV7700DNJP
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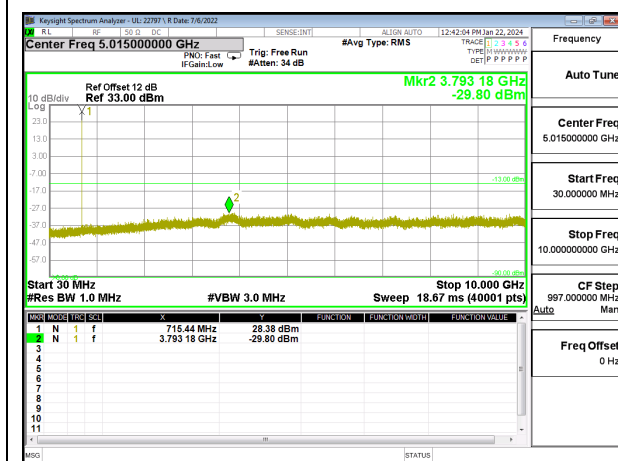
LTE BAND 12



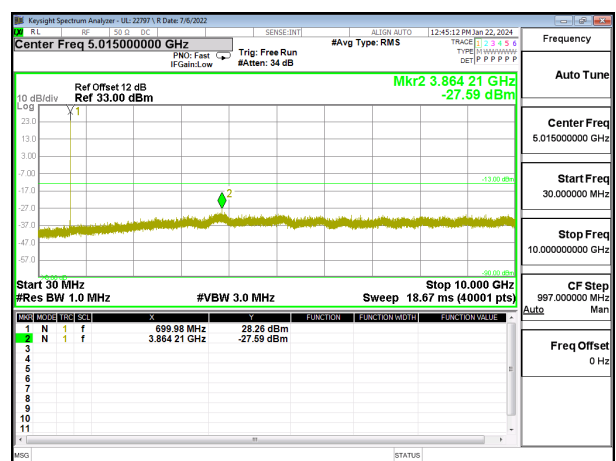
LTE B12 1.4MHz QPSK Low Channel RB1-0



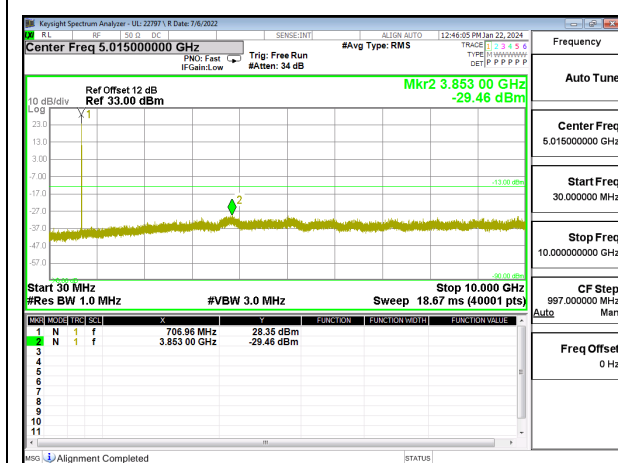
LTE B12 1.4MHz QPSK Middle Channel RB1-0



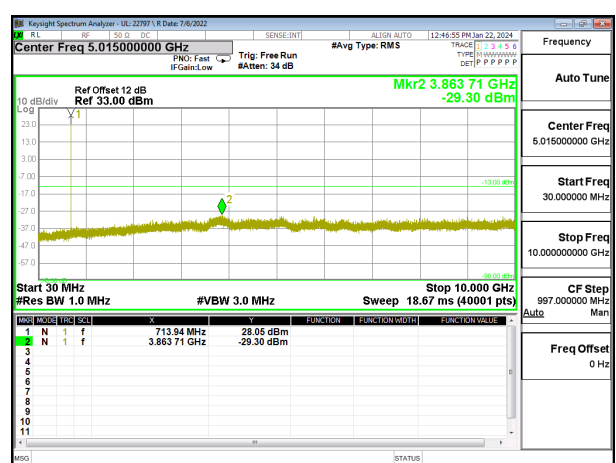
LTE B12 1.4MHz QPSK High Channel RB1-0



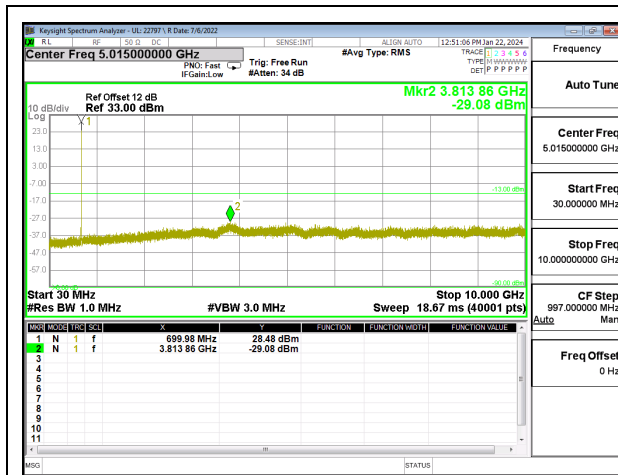
LTE B12 3MHz QPSK Low Channel RB1-0



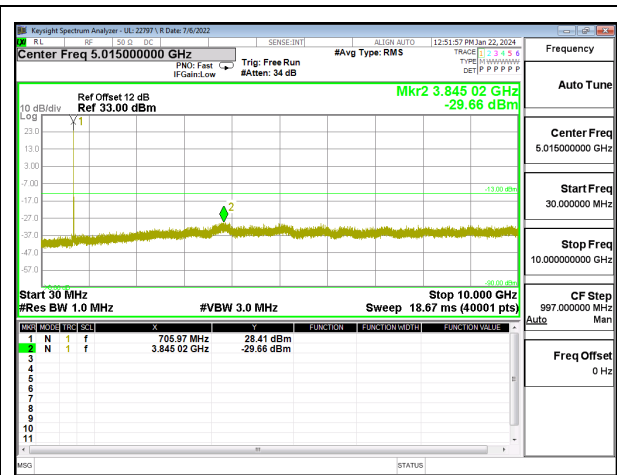
LTE B12 3MHz QPSK Middle Channel RB1-0



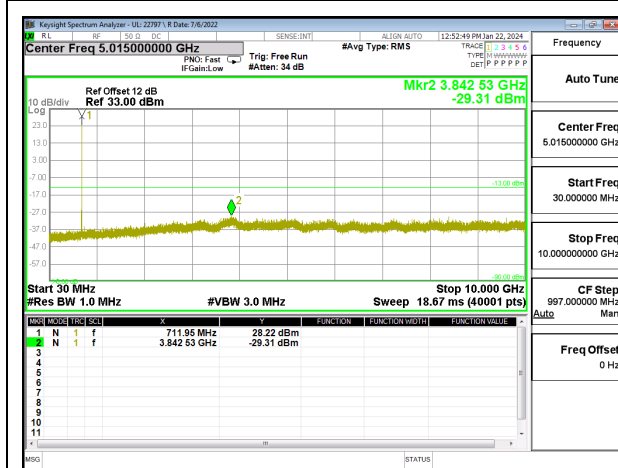
LTE B12 3MHz QPSK High Channel RB1-0



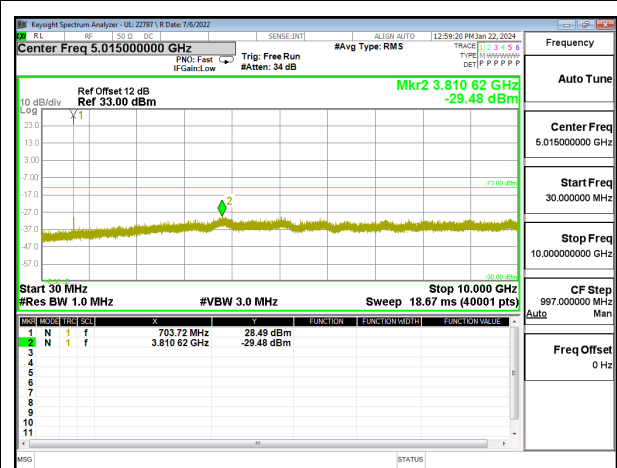
LTE B12 5MHz QPSK Low Channel RB1-0



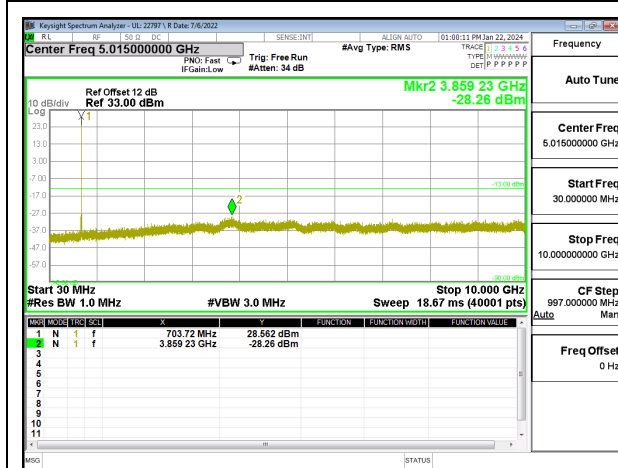
LTE B12 5MHz QPSK Middle Channel RB1-0



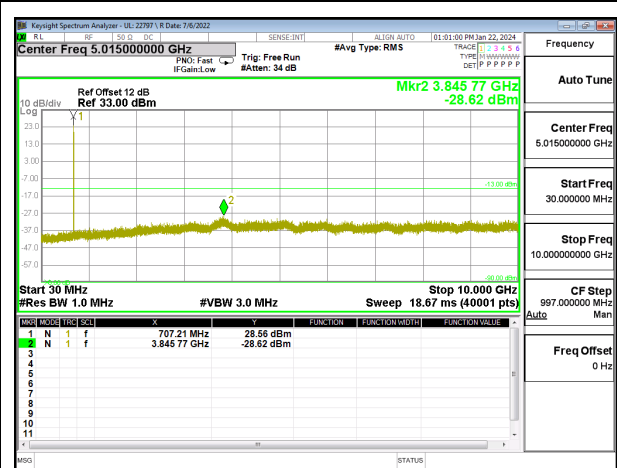
LTE B12 5MHz QPSK High Channel RB1-0



LTE B12 10MHz QPSK Low Channel RB1-0



LTE B12 10MHz QPSK Middle Channel RB1-0



LTE B12 10MHz QPSK High Channel RB1-0

9.3.4. LTE BAND 13

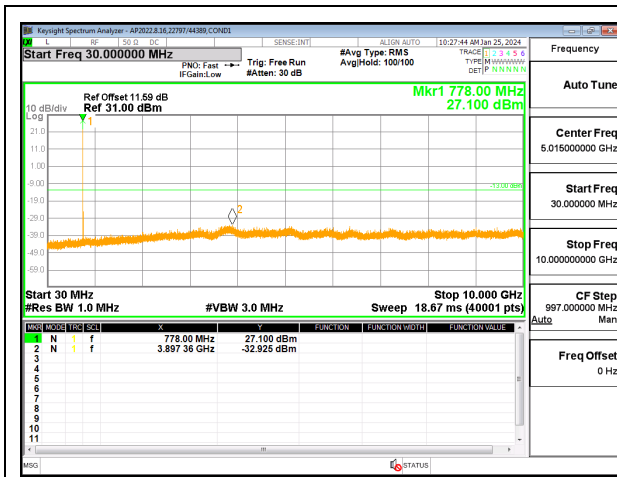
LIMITS

FCC: §27.53 (c), (f)

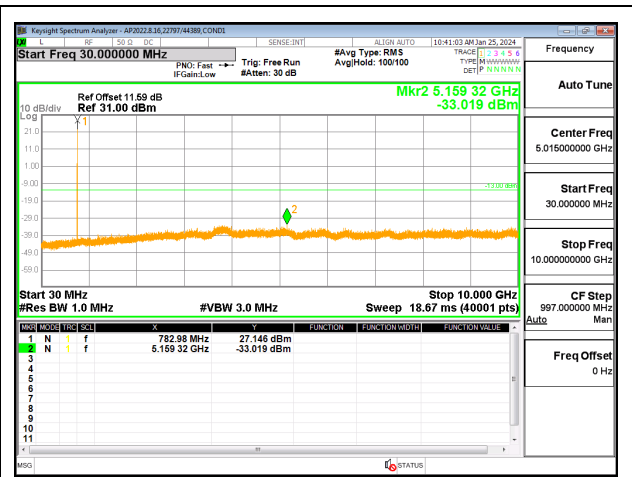
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 9.1.6 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40dBm/MHz limit was used.

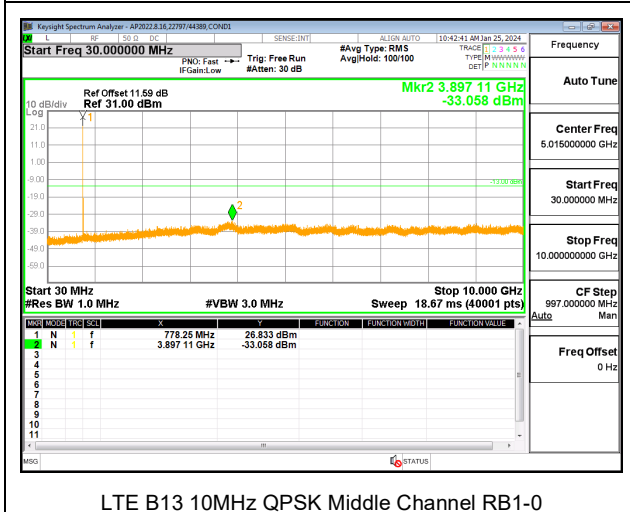
Test Engineer ID:	22797/44389	Test Date:	2024-01-24	EUT Serial Number:	QV7700DNJP
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LTE B13 5MHz QPSK Low Channel RB1-0



LTE B13 5MHz QPSK High Channel RB1-0



LTE B13 10MHz QPSK Middle Channel RB1-0

9.3.5. LTE BAND 25 AND 5G NR n25

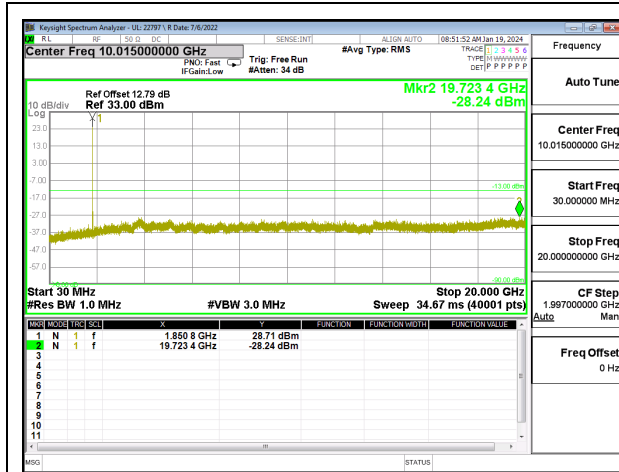
LIMITS

FCC: §24.238 (a)

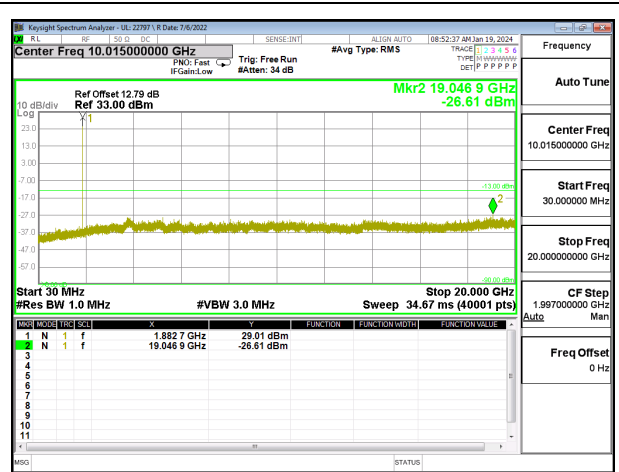
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

Test Engineer ID:	22797/85502	Test Date:	2024-01-19 2024-02-23	EUT Serial Number:	QV7700QGLA QV77005HJP
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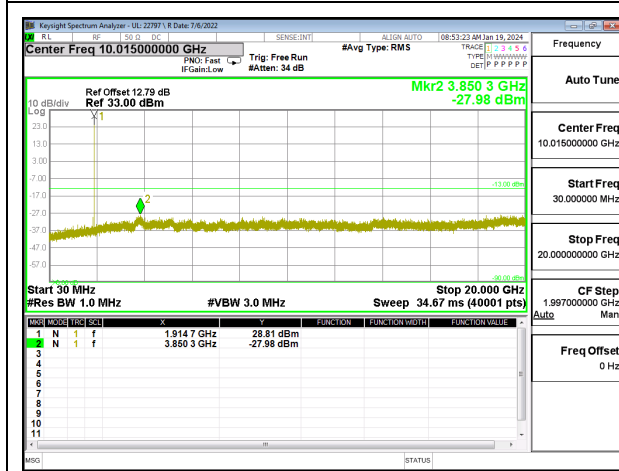
LTE BAND 25



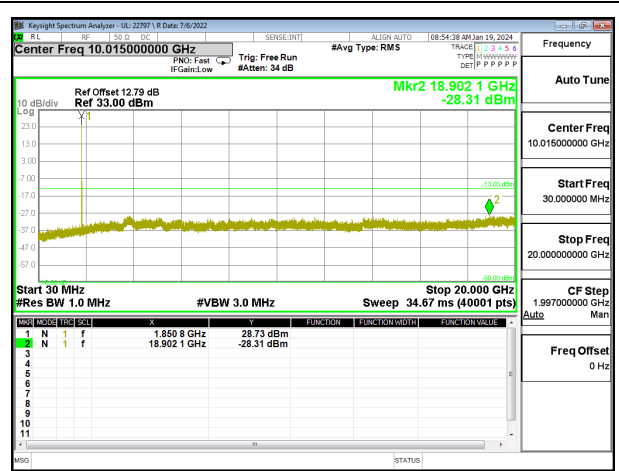
LTE B25 1.4MHz QPSK Low Channel RB1-0



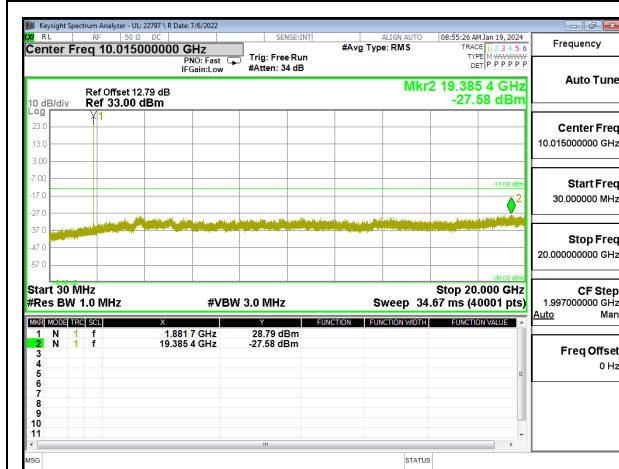
LTE B25 1.4MHz QPSK Middle Channel RB1-0



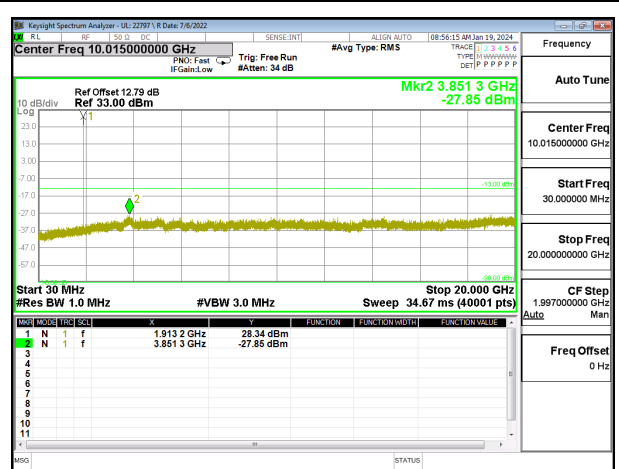
LTE B25 1.4MHz QPSK High Channel RB1-0



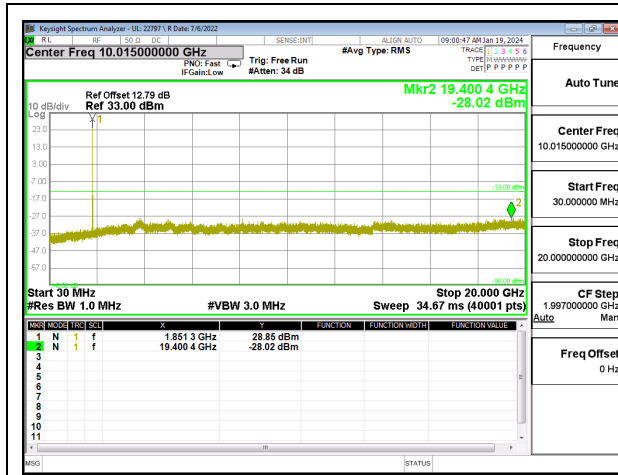
LTE B25 3MHz QPSK Low Channel RB1-0



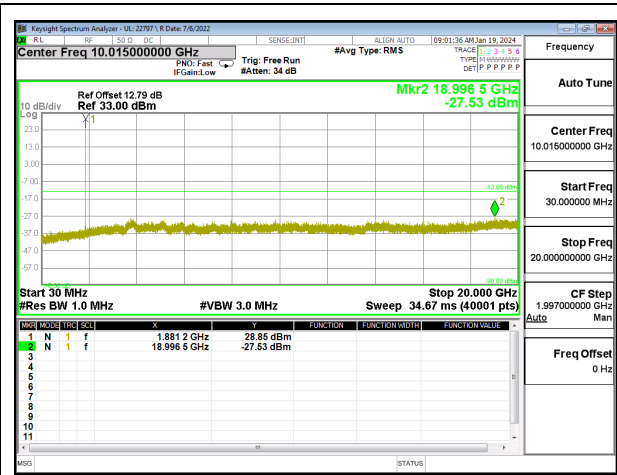
LTE B25 3MHz QPSK Middle Channel RB1-0



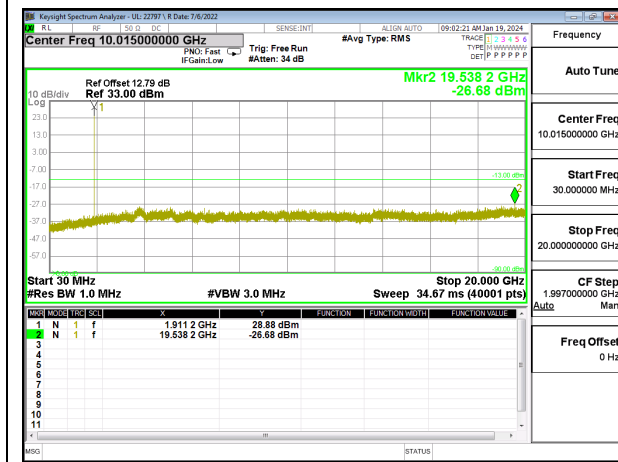
LTE B25 3MHz QPSK High Channel RB1-0



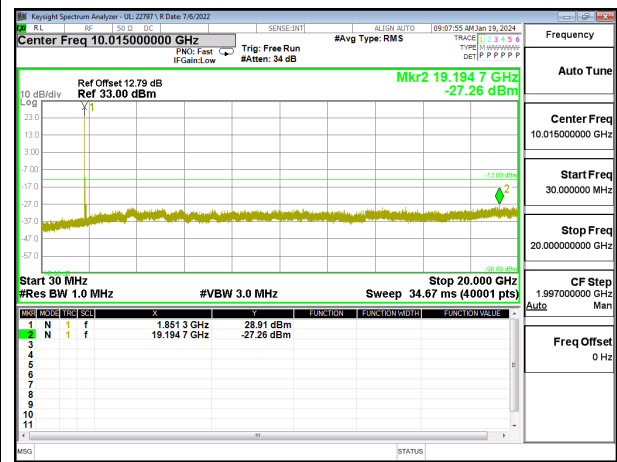
LTE B25 5MHz QPSK Low Channel RB1-0



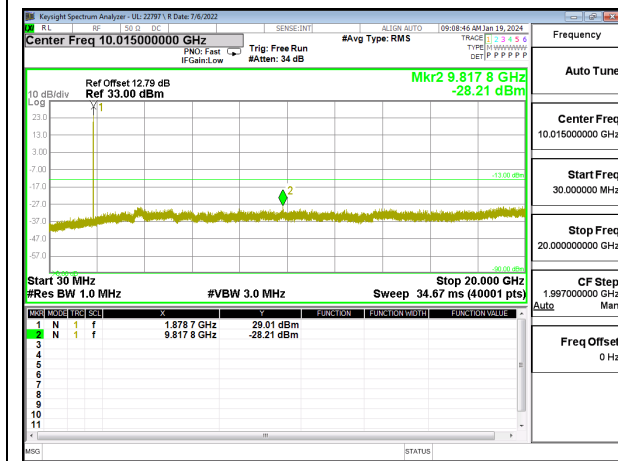
LTE B25 5MHz QPSK Middle Channel RB1-0



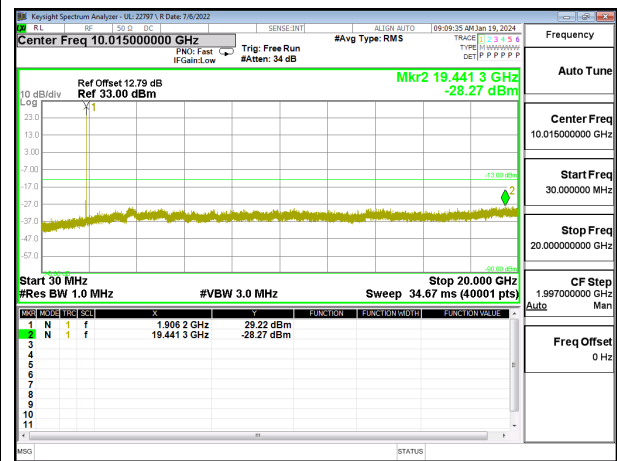
LTE B25 5MHz QPSK High Channel RB1-0



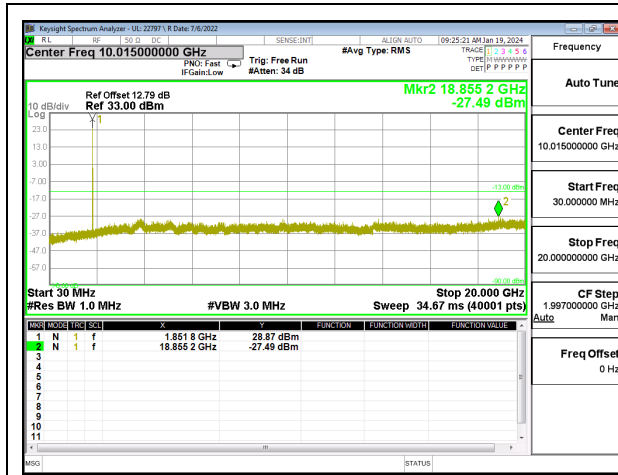
LTE B25 10MHz QPSK Low Channel RB1-0



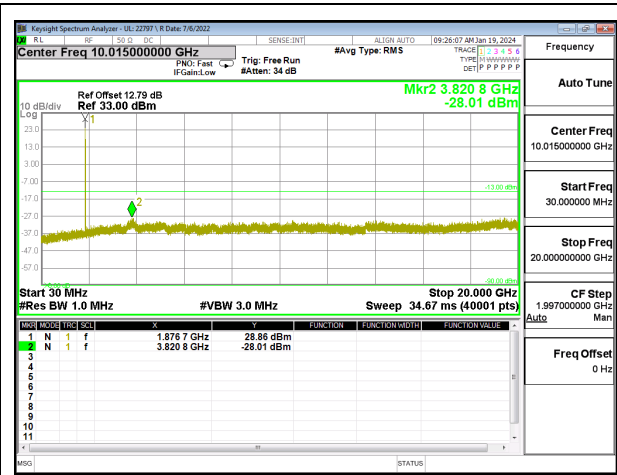
LTE B25 10MHz QPSK Middle Channel RB1-0



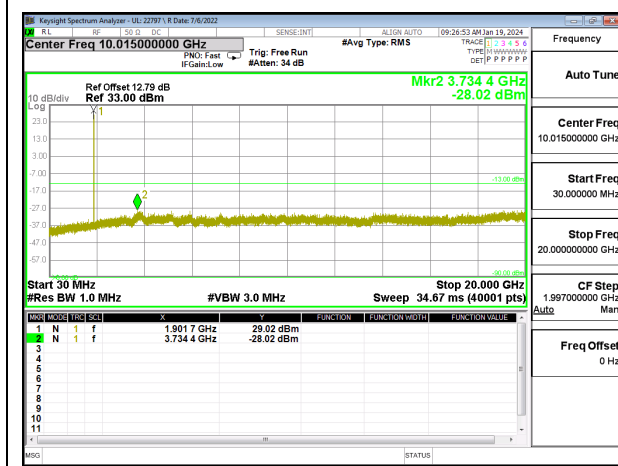
LTE B25 10MHz QPSK High Channel RB1-0



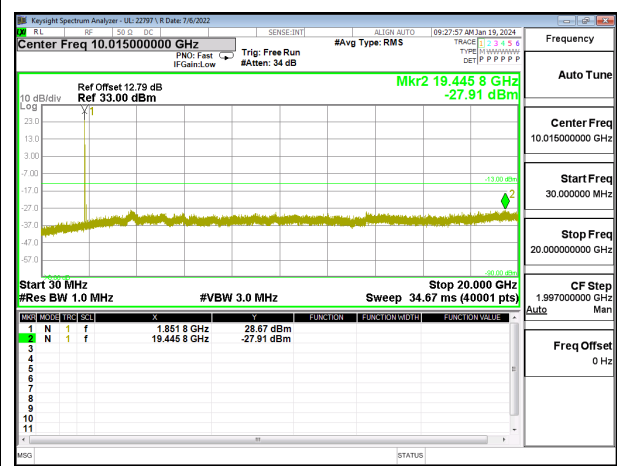
LTE B25 15MHz QPSK Low Channel RB1-0



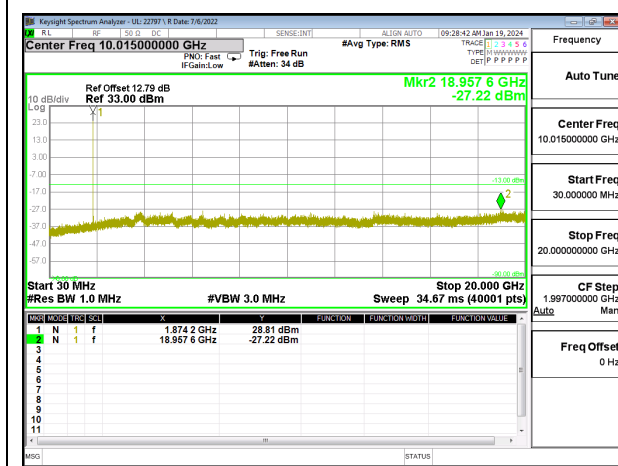
LTE B25 15MHz QPSK Middle Channel RB1-0



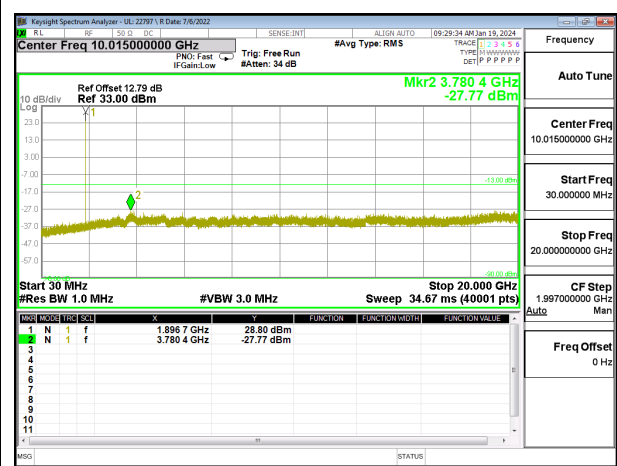
LTE B25 15MHz QPSK High Channel RB1-0



LTE B25 20MHz QPSK Low Channel RB1-0

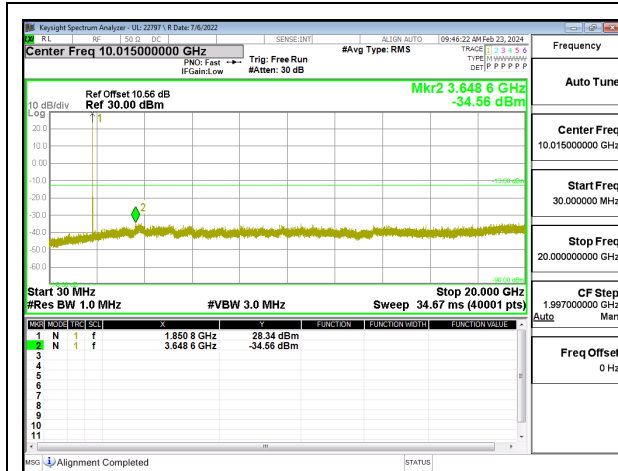


LTE B25 20MHz QPSK Middle Channel RB1-0

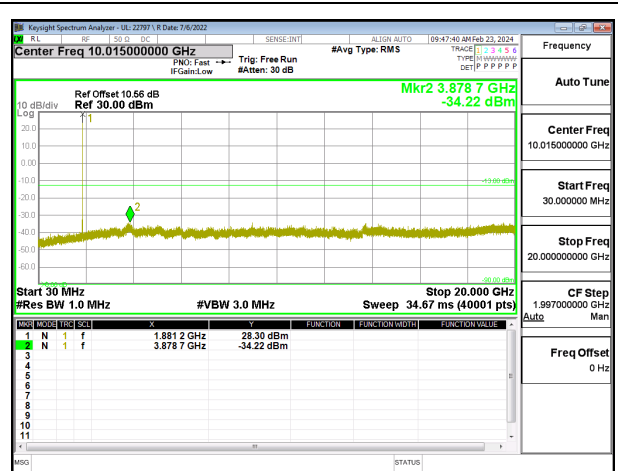


LTE B25 20MHz QPSK High Channel RB1-0

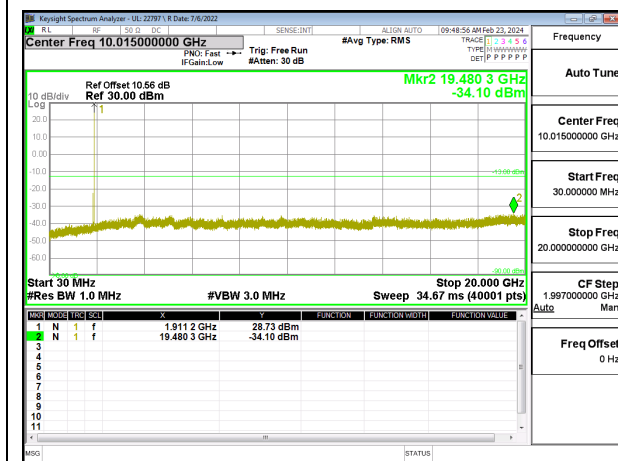
5G NR n25



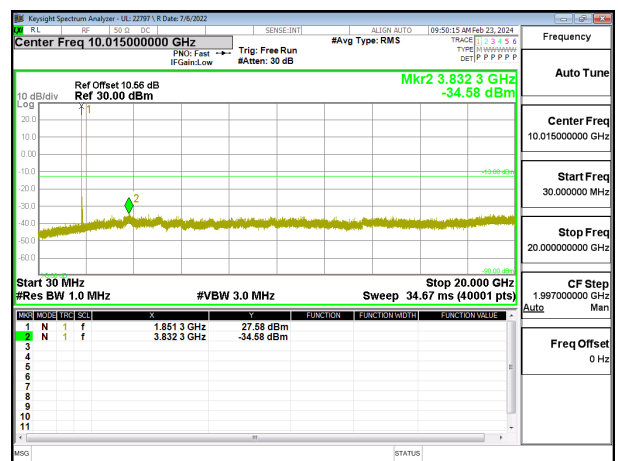
5G NR n25 5MHz QPSK Low Channel RB1-0



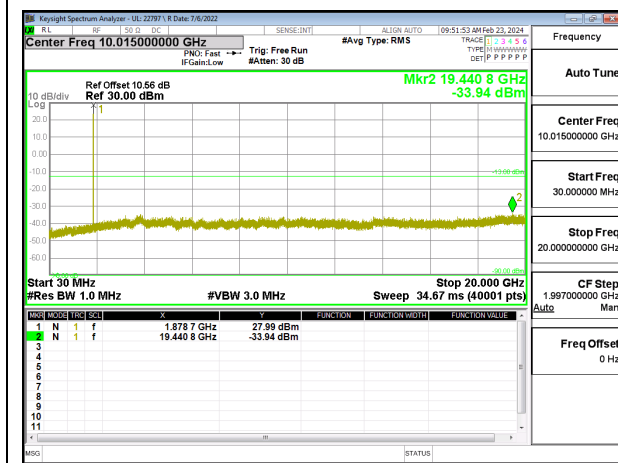
5G NR n25 5MHz QPSK Middle Channel RB1-1



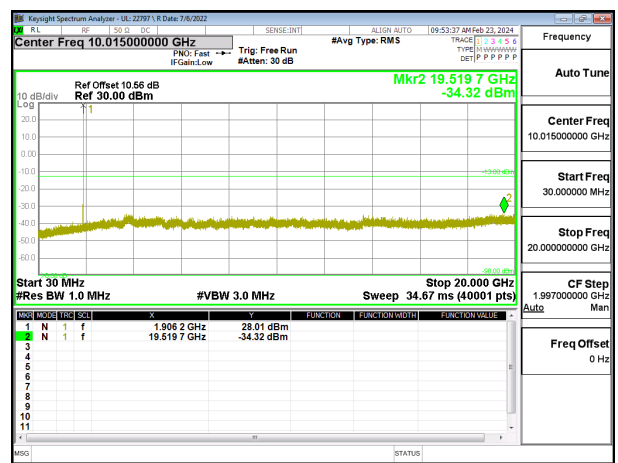
5G NR n25 5MHz QPSK High Channel RB1-24



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



5G NR n25 10MHz QPSK Middle Channel RB1-1



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