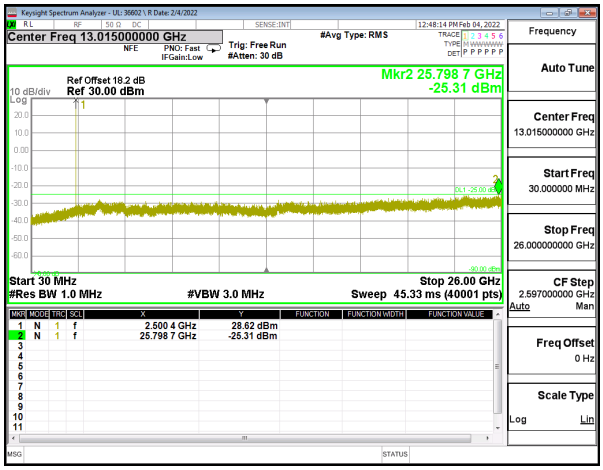
9.3.2. LTE BAND 7 AND 5G NR n7

LIMITS

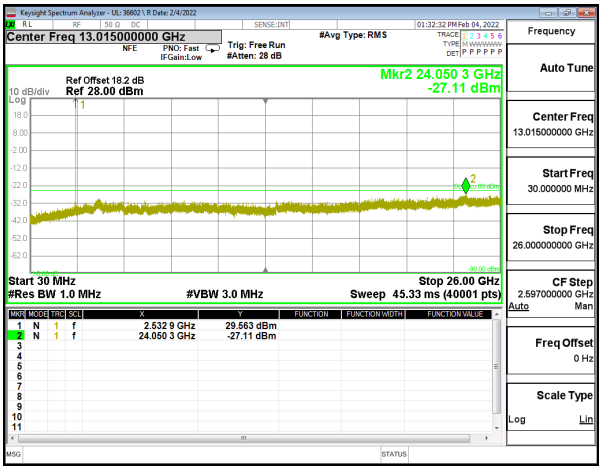
FCC: §27.53 (m)

The minimum permissible attenuation level of any spurious emissions is 55 + 10 log (P) dB where transmitting power (P) in Watts.

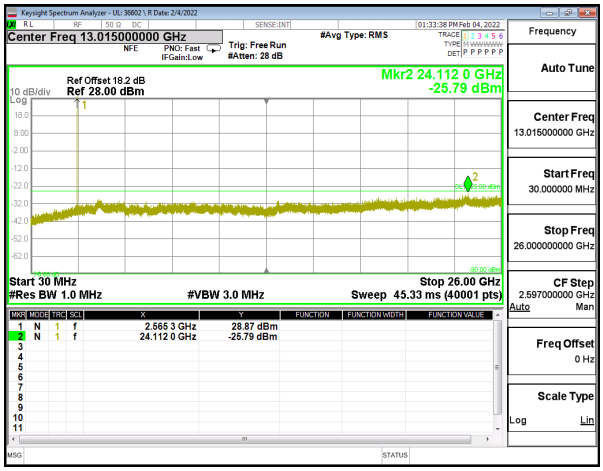
LTE BAND 7



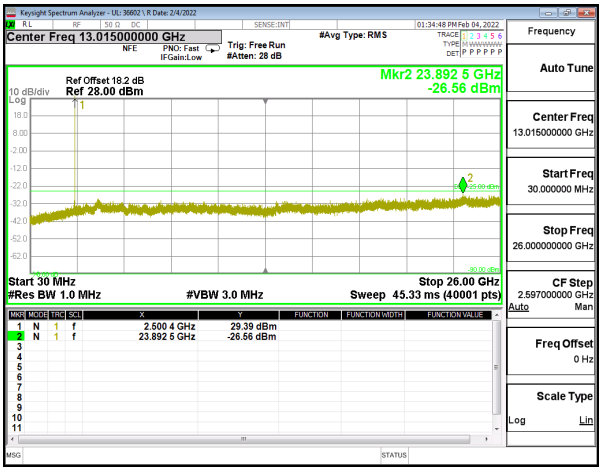
LTE B7 5MHz QPSK Low Channel RB1-0



LTE B7 5MHz QPSK Middle Channel RB1-0



LTE B7 5MHz QPSK High Channel RB1-0



LTE B7 10MHz QPSK Low Channel RB1-0

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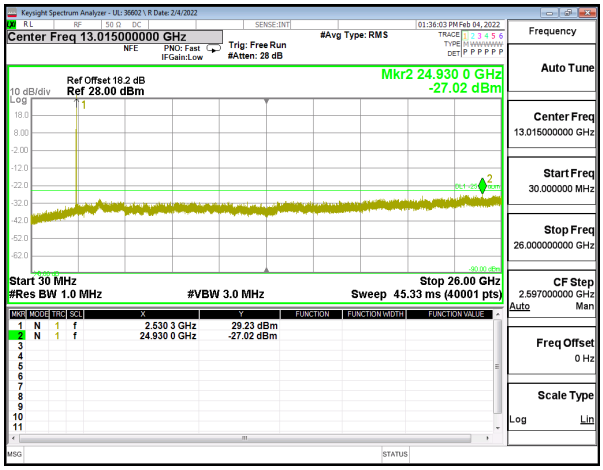
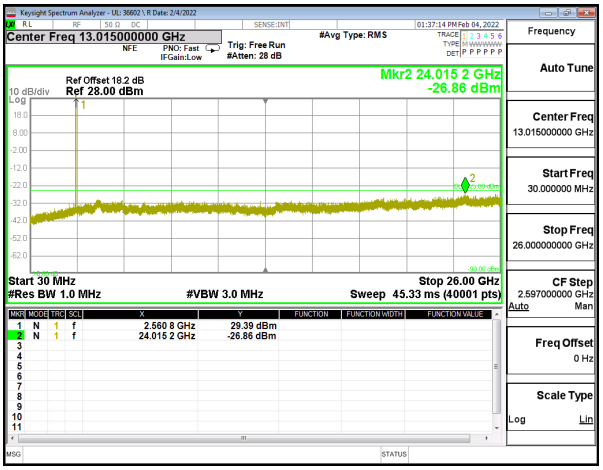
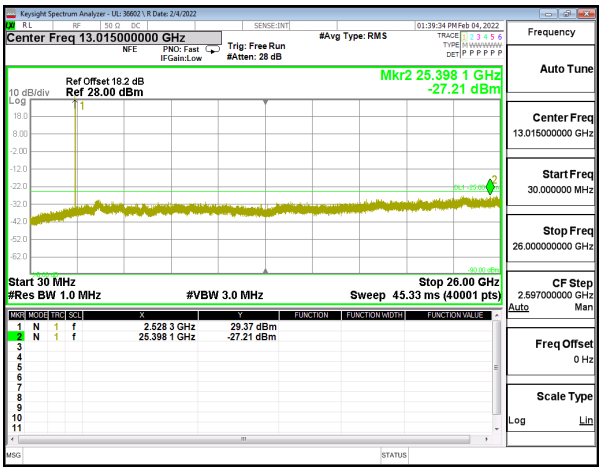


LTE B7 10MHz QPSK Middle Channel RB1-0

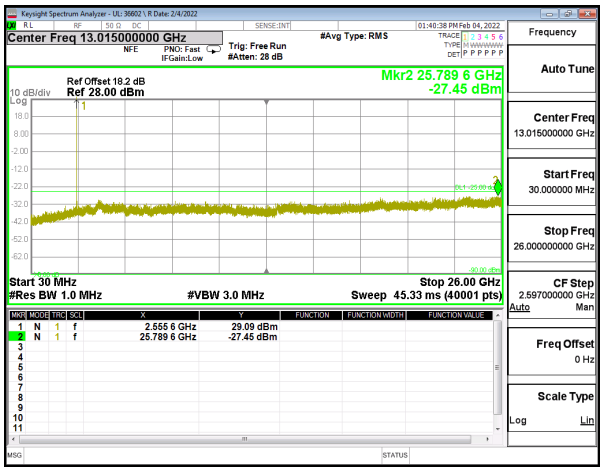


LTE B7 10MHz QPSK High Channel RB1-0

LTE B7 15MHz QPSK Low Channel RB1-0



LTE B7 15MHz QPSK Middle Channel RB1-0



LTE B7 15MHz QPSK High Channel RB1-0

LTE B7 20MHz QPSK Low Channel RB1-0

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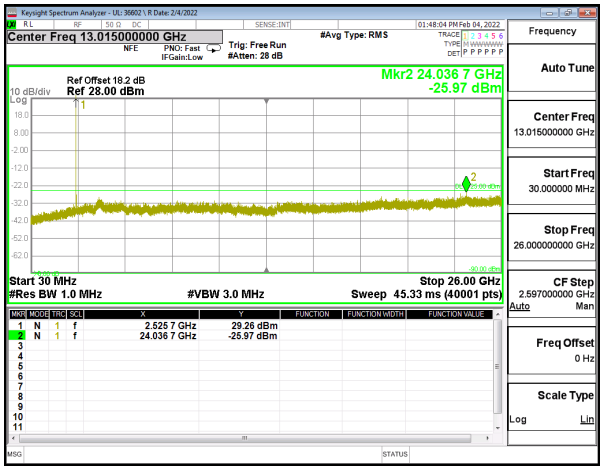
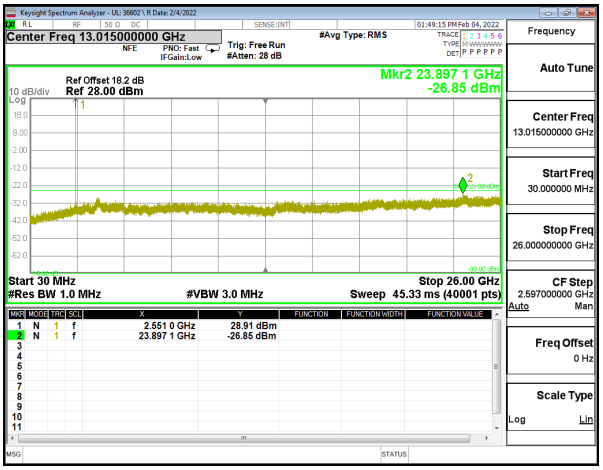


LTE B7 20MHz QPSK Middle Channel RB1-0



LTE B7 20MHz QPSK High Channel RB1-0

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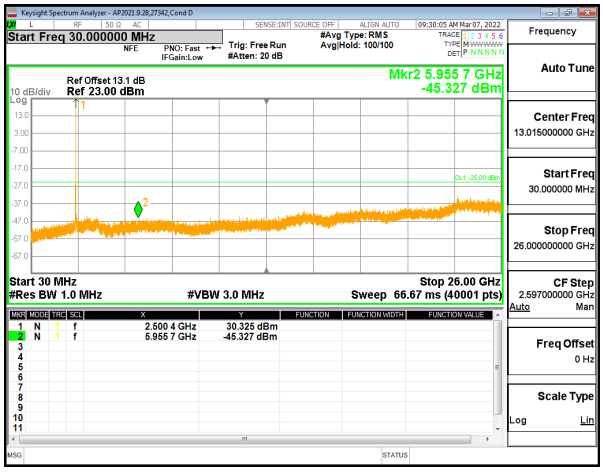
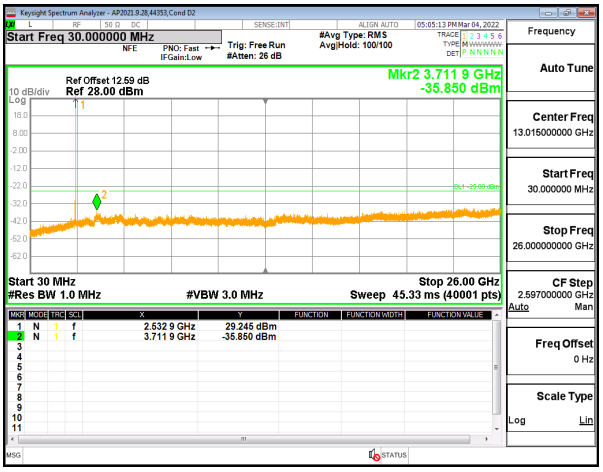
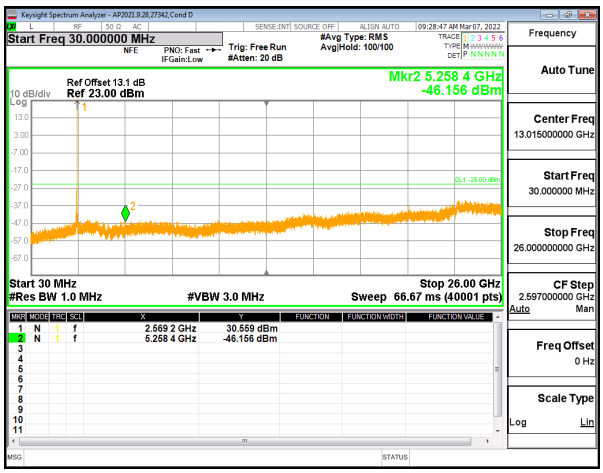
5G NR n7



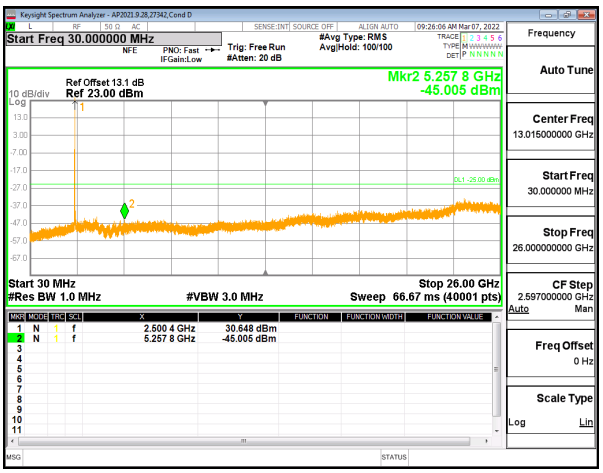
5G NR n7 5MHz BPSK Low Channel RB1-0



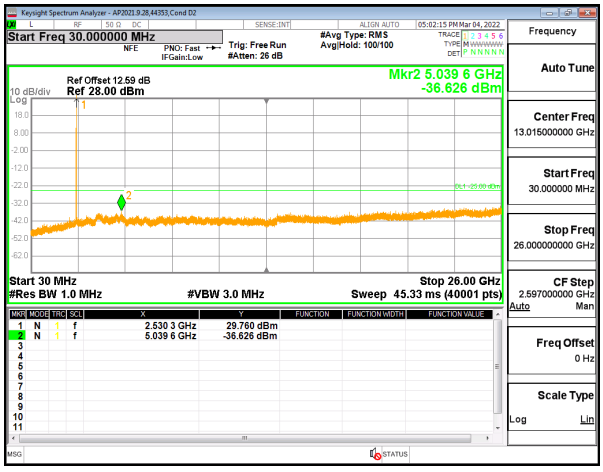
5G NR n7 5MHz BPSK Middle Channel RB1-1



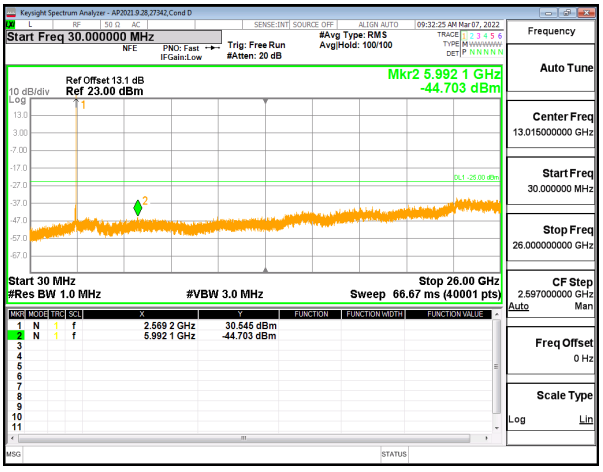
5G NR n7 5MHz BPSK High Channel RB1-24



5G NR n7 10MHz BPSK Low Channel RB1-0



5G NR n7 10MHz BPSK Middle Channel RB1-1



5G NR n7 10MHz BPSK High Channel RB1-51

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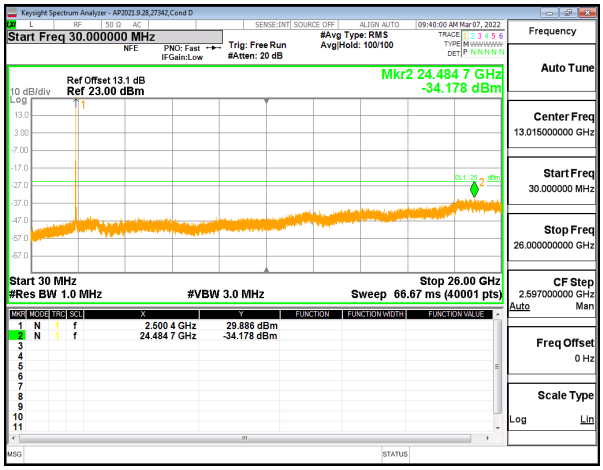
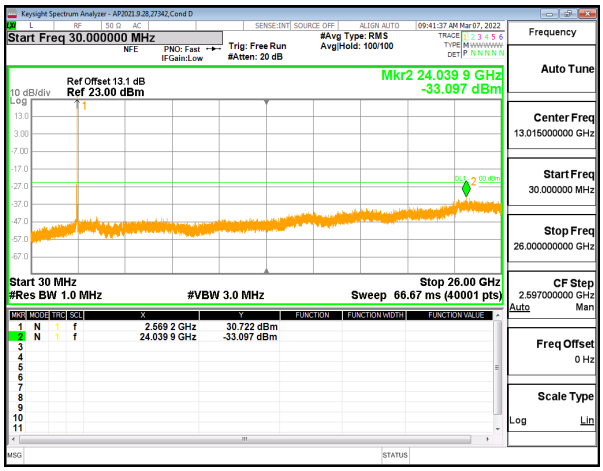
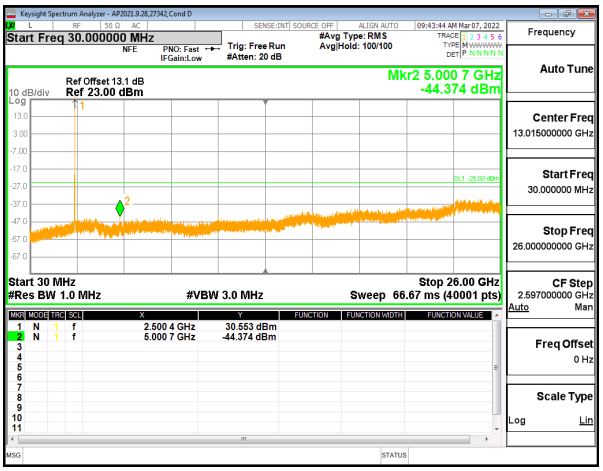


5G NR n7 15MHz BPSK Low Channel RB1-0

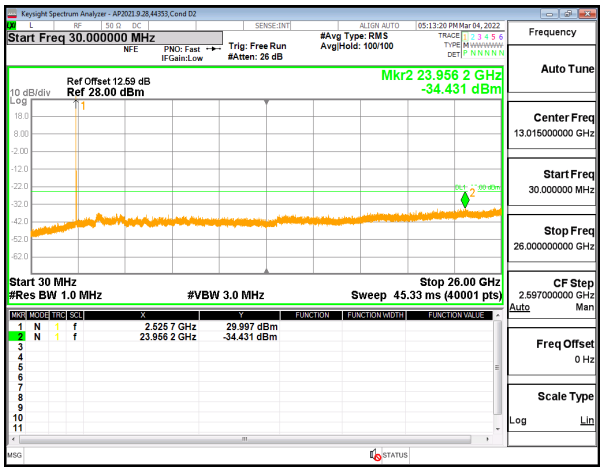
5G NR n7 15MHz BPSK Middle Channel RB1-1



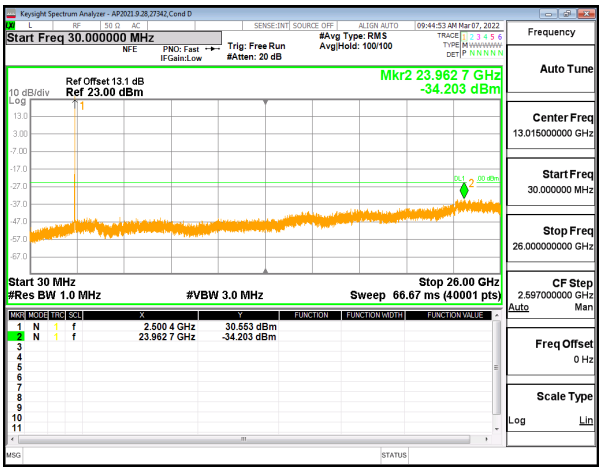
5G NR n7 15MHz BPSK High Channel RB1-78



5G NR n7 20MHz BPSK Low Channel RB1-0



5G NR n7 20MHz BPSK Middle Channel RB1-1



5G NR n7 20MHz BPSK High Channel RB1-105

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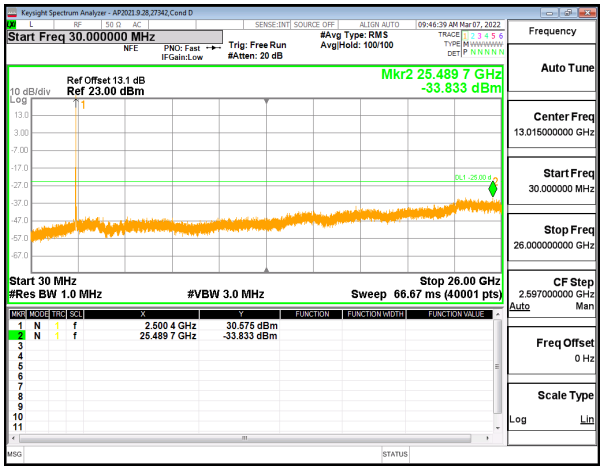
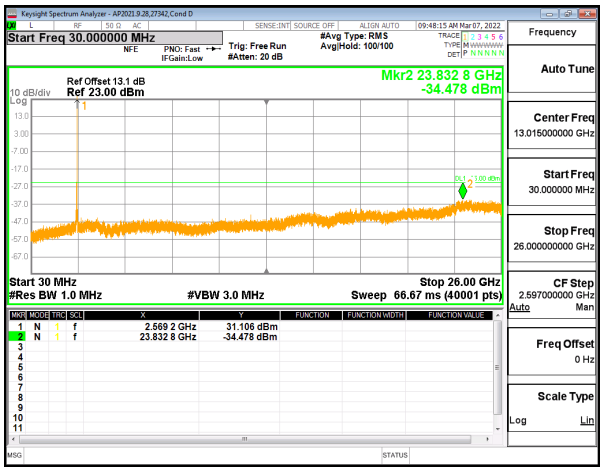
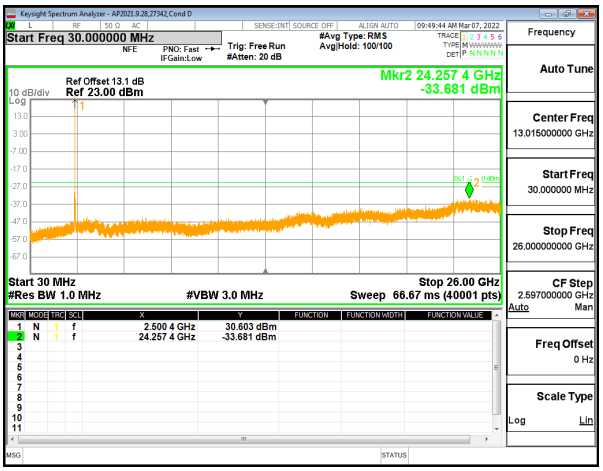


5G NR n7 25MHz BPSK Low Channel RB1-0

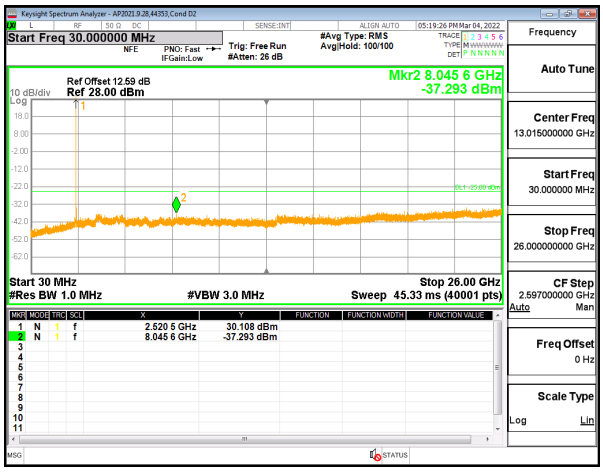
5G NR n7 25MHz BPSK Middle Channel RB1-1



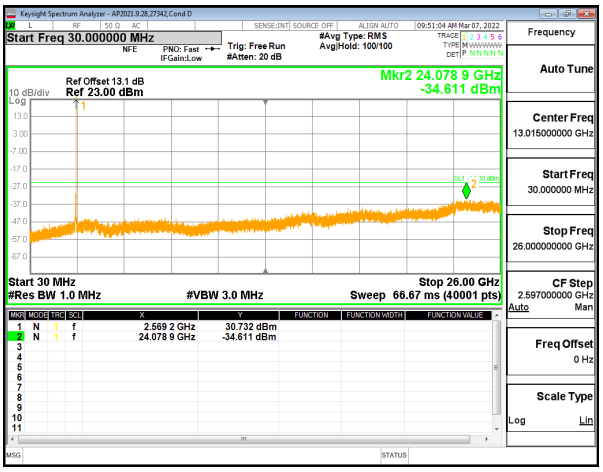
5G NR n7 25MHz BPSK High Channel RB1-132



5G NR n7 30MHz BPSK Low Channel RB1-0



5G NR n7 30MHz BPSK Middle Channel RB1-1



5G NR n7 30MHz BPSK High Channel RB1-159

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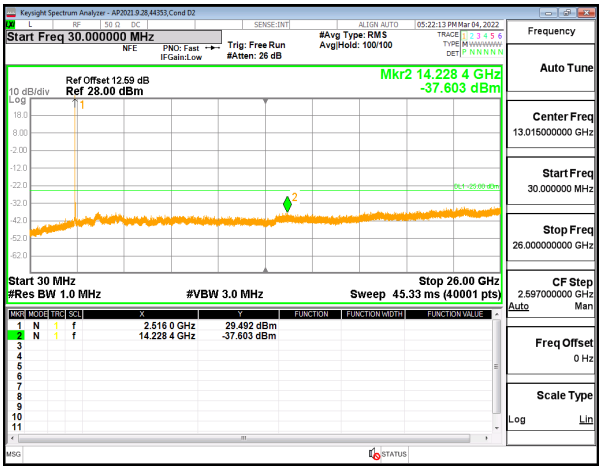
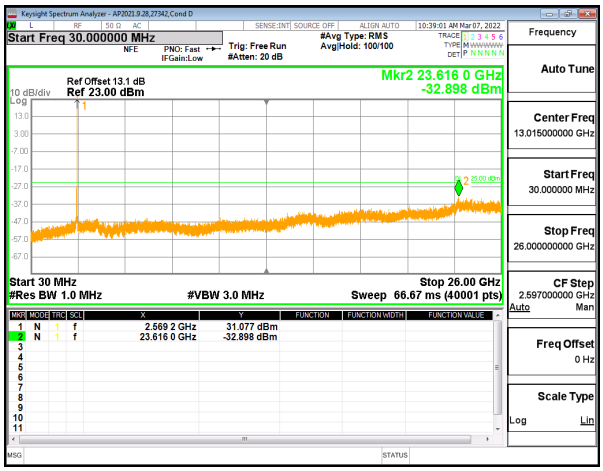
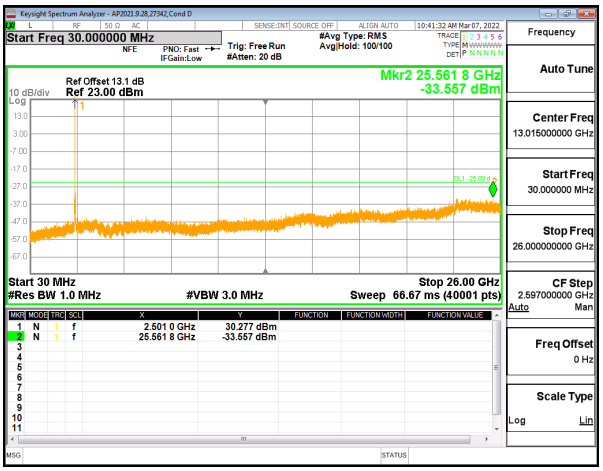
5G NR n7 40MHz BPSK Low Channel RB1-0



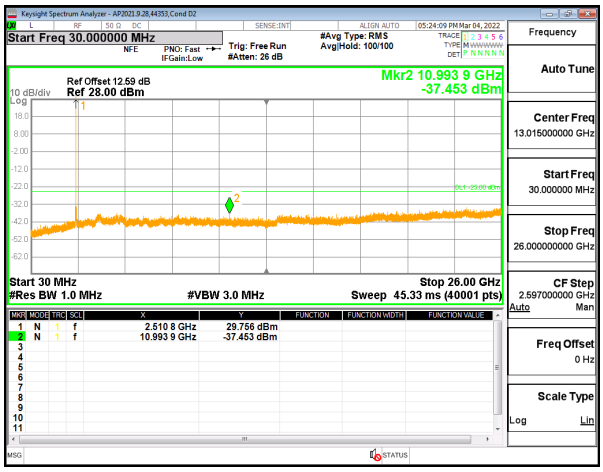
5G NR n7 40MHz BPSK Middle Channel RB1-1



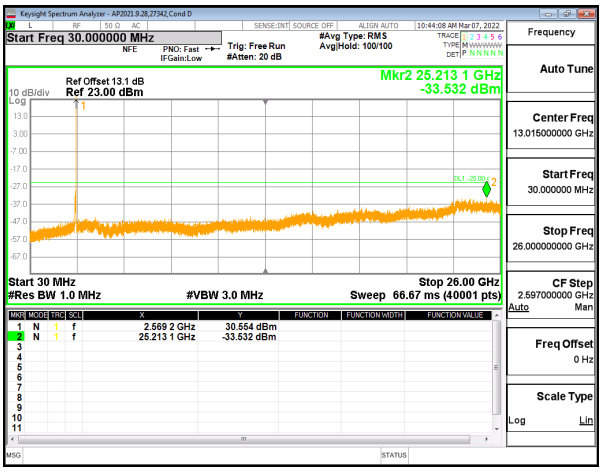
5G NR n7 40MHz BPSK High Channel RB1-215



5G NR n7 50MHz BPSK Low Channel RB1-0



5G NR n7 50MHz BPSK Middle Channel RB1-1



5G NR n7 50MHz BPSK Low Channel RB1-269

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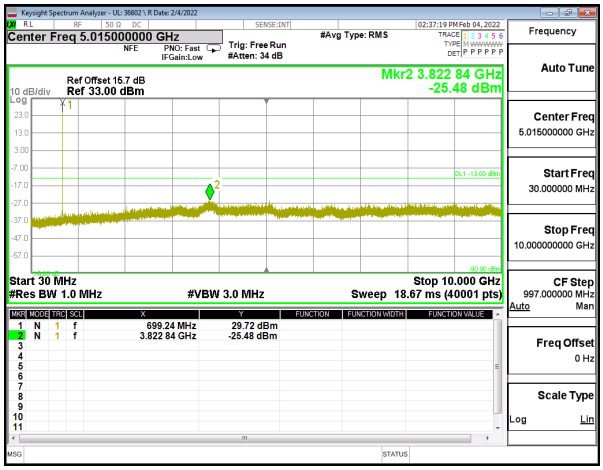
9.3.3. LTE BAND 12 AND 5G NR n12

LIMITS

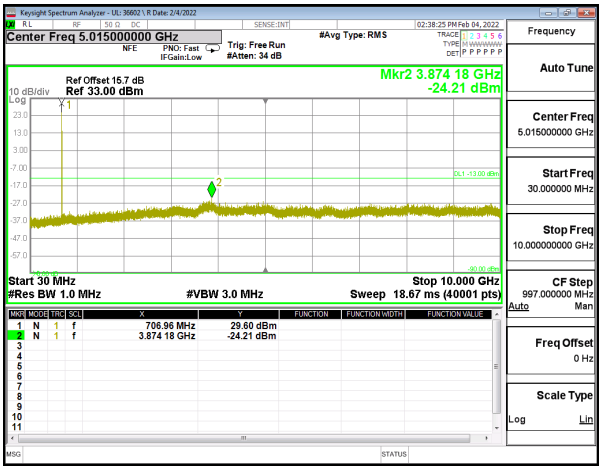
FCC: §27.53 (g)

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

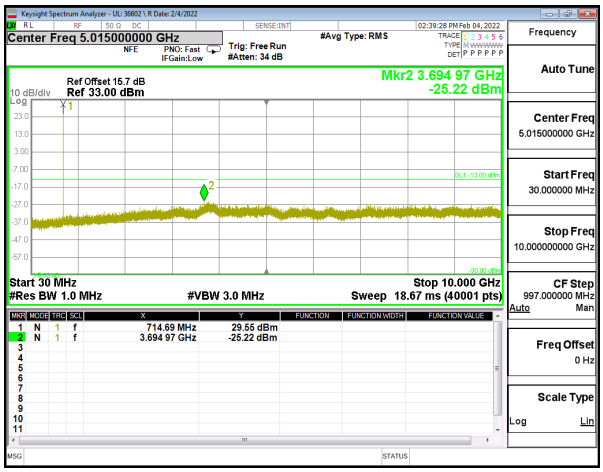
LTE BAND 12



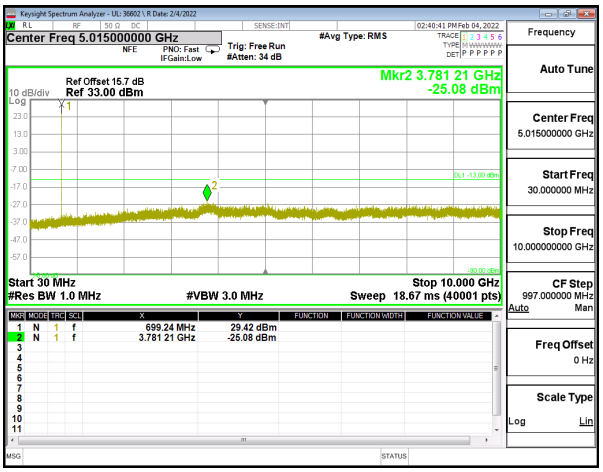
LTE B12 1.4MHz QPSK Low Channel RB1-0



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

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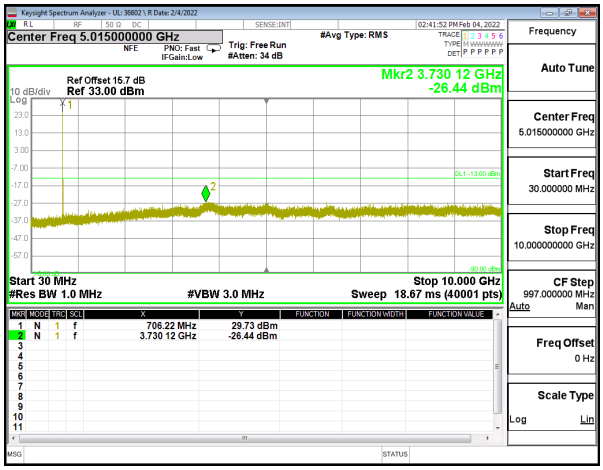
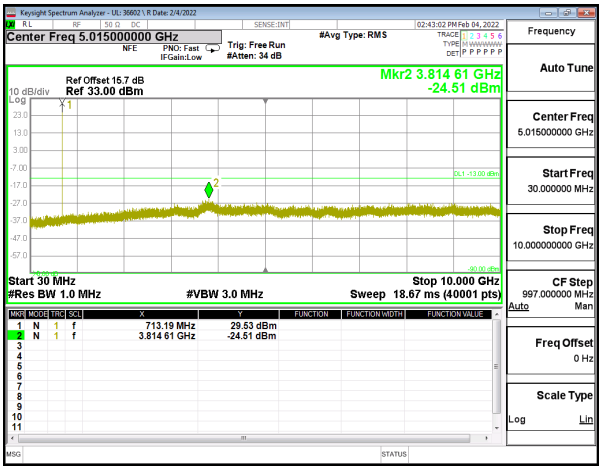
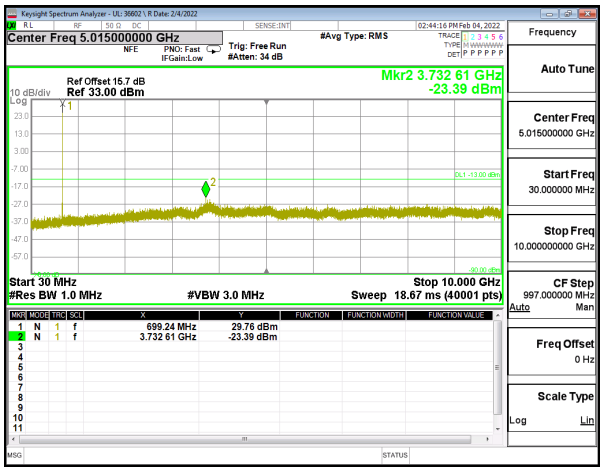


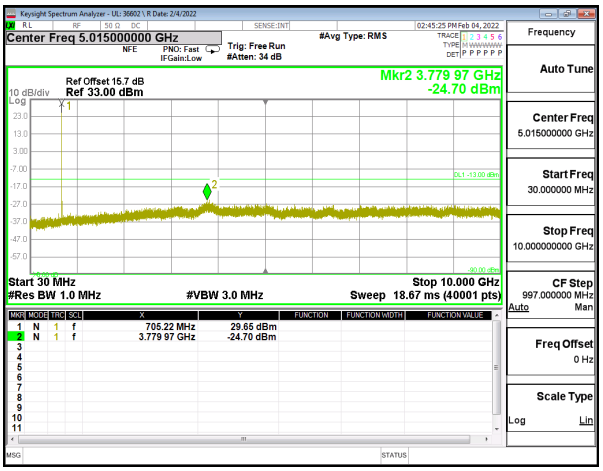
LTE B12 3MHz QPSK Middle Channel RB1-0



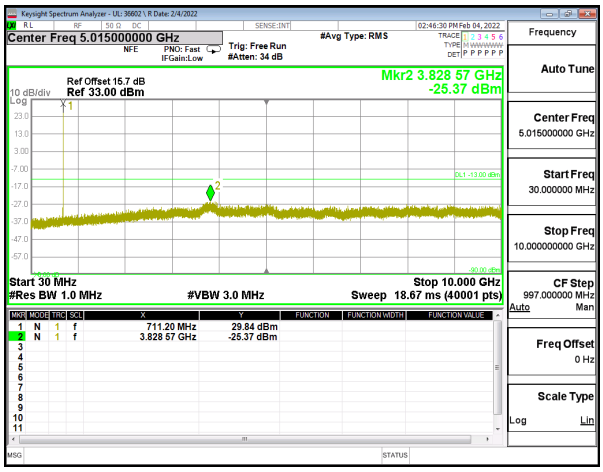
LTE B12 3MHz QPSK High Channel RB1-0



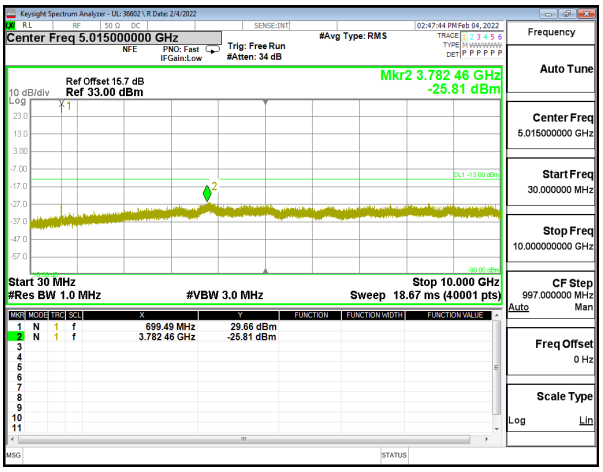
LTE B12 5MHz QPSK Low Channel RB1-0



LTE B12 5MHz QPSK Middle Channel RB1-0



LTE B12 5MHz QPSK High Channel RB1-0



LTE B12 10MHz QPSK Low Channel RB1-0

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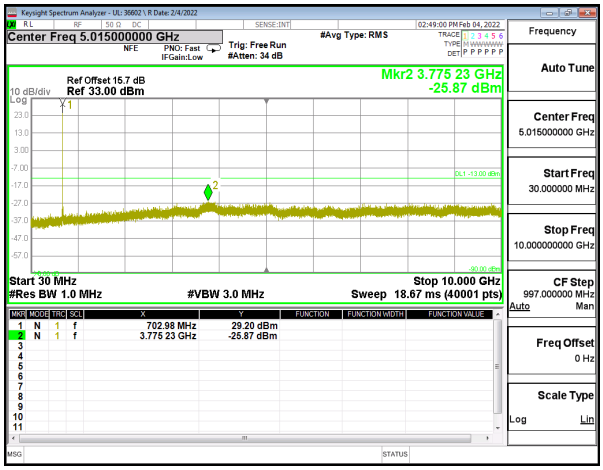
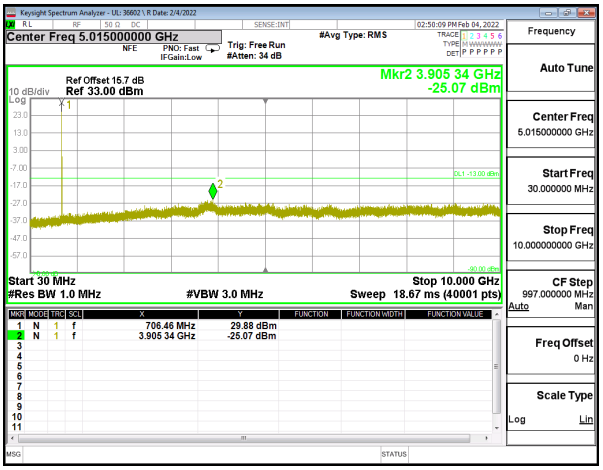


LTE B12 10MHz QPSK Middle Channel RB1-0



LTE B12 10MHz QPSK High Channel RB1-0

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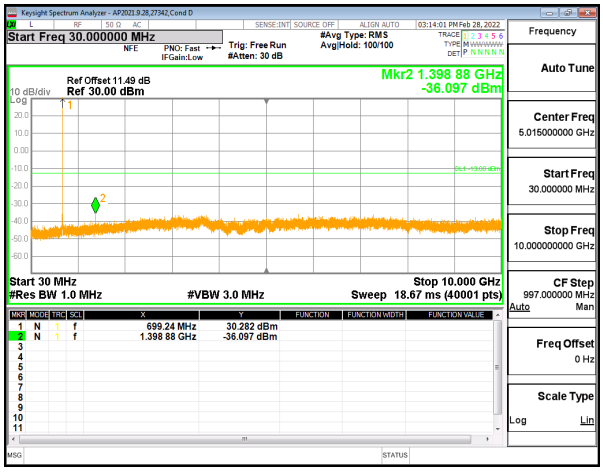
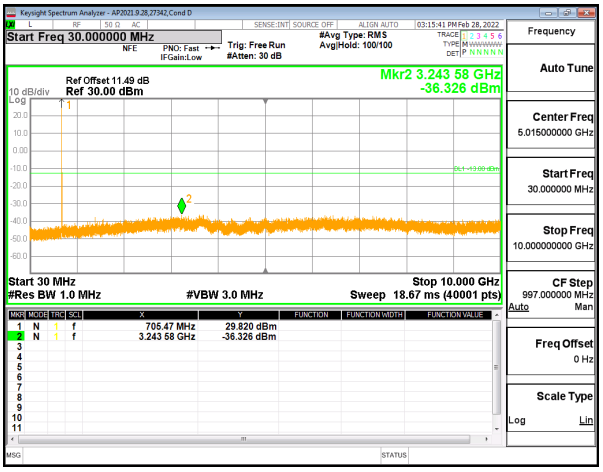
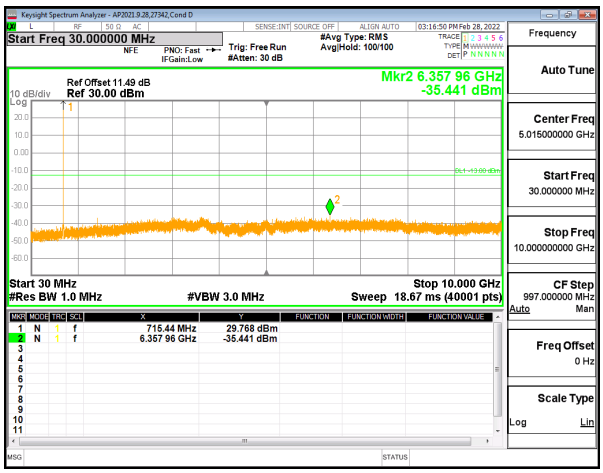
5G NR n12



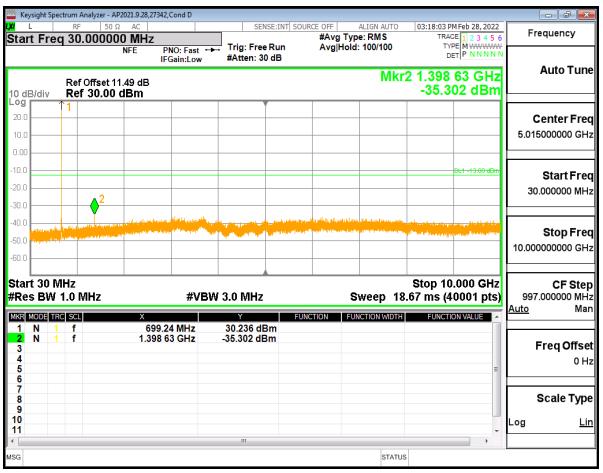
5G NR n12 5MHz BPSK Low Channel RB1-0



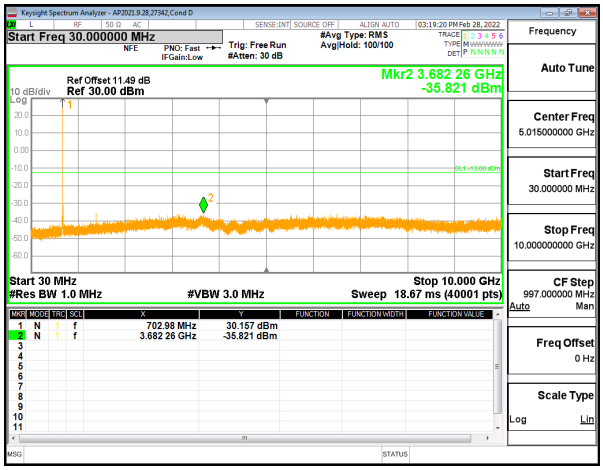
5G NR n12 5MHz BPSK Middle Channel RB1-1



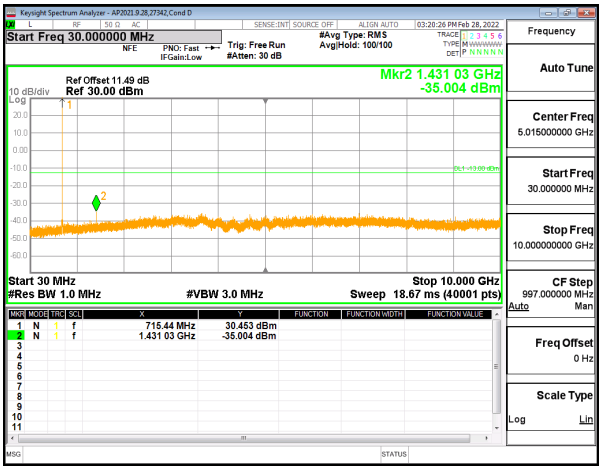
5G NR n12 5MHz BPSK High Channel RB1-24



5G NR n12 10MHz BPSK Low Channel RB1-0



5G NR n12 10MHz BPSK Middle Channel RB1-1



5G NR n12 10MHz BPSK High Channel RB1-51

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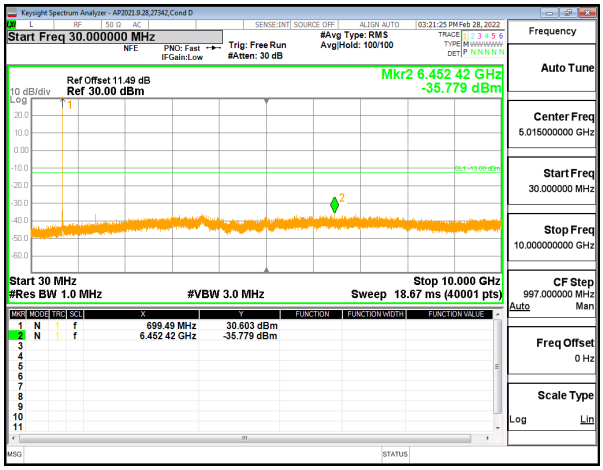
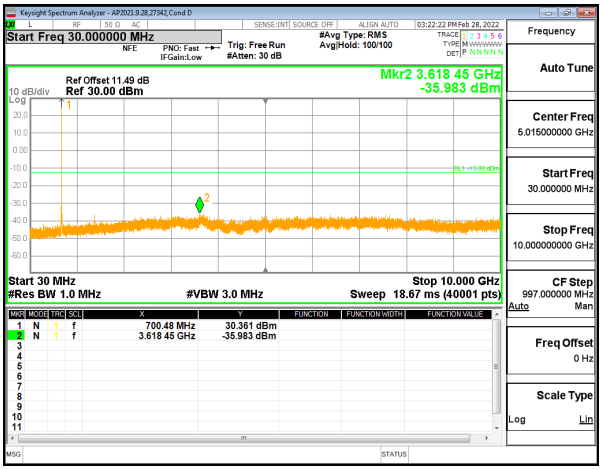
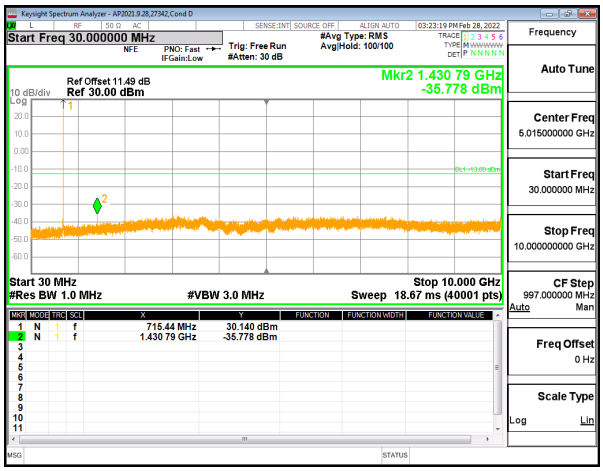


5G NR n12 15MHz BPSK Low Channel RB1-0



5G NR n12 15MHz BPSK Middle Channel RB1-1



5G NR n12 15MHz BPSK High Channel RB1-78

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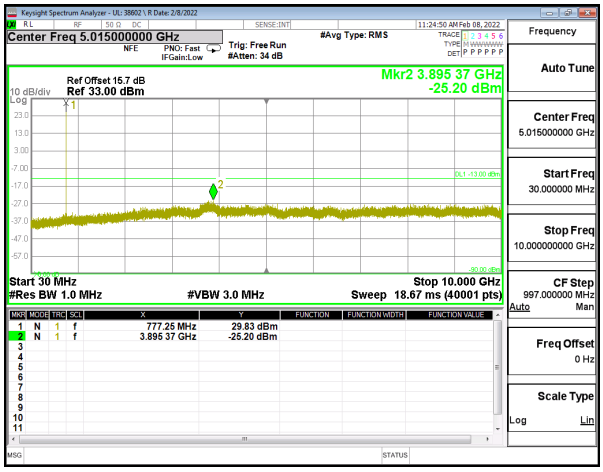
9.3.4. LTE BAND 13

LIMITS

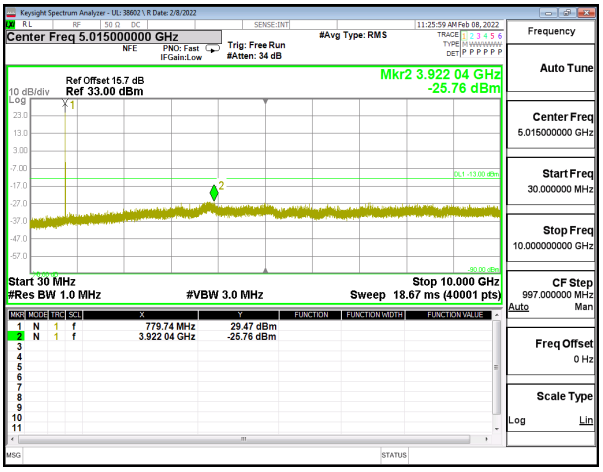
FCC: §27.53 (c), (f)

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.

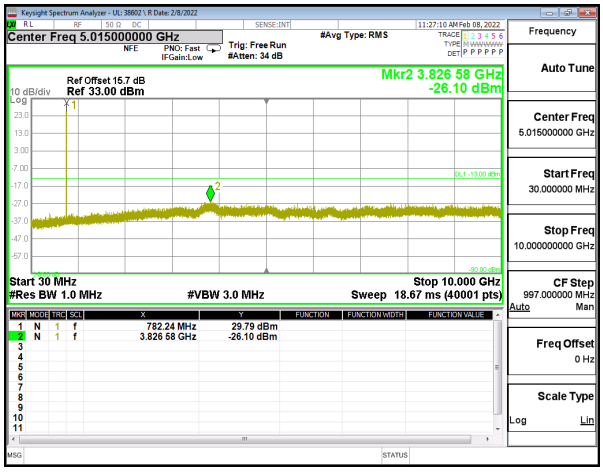
Note: Radiated data in section 9.1.6 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40dBm/MHz limit was used.



LTE B13 5MHz QPSK Low Channel RB1-0



LTE B13 5MHz QPSK High Channel RB1-0



LTE B13 10MHz QPSK Middle Channel RB1-0

Note: Radiated data in section 9.1.6 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

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9.3.5. LTE BAND 14

LIMITS

FCC: §90.543 (e), (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 9.1.7 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40dBm/MHz limit was used.

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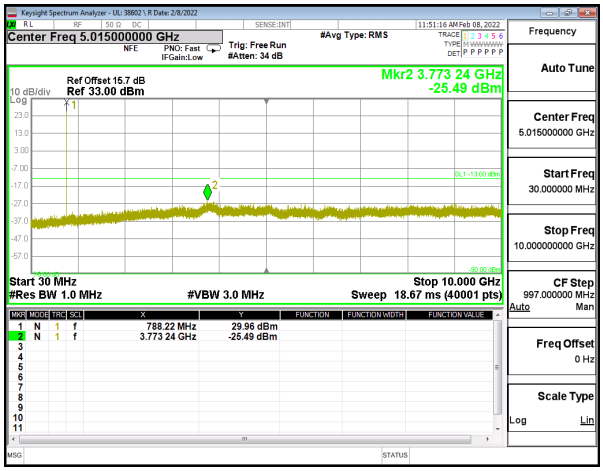
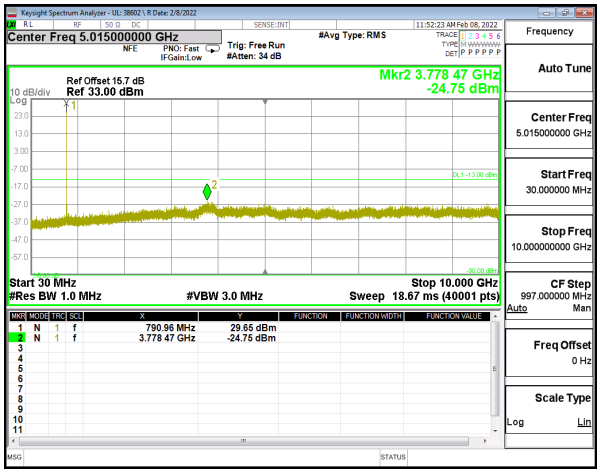
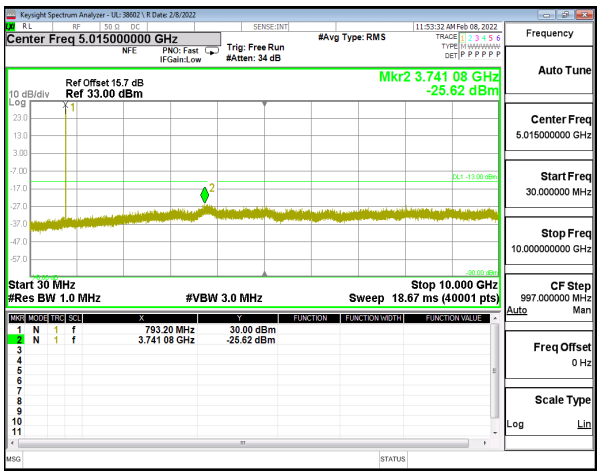
LTE BAND 14



LTE B14 5MHz QPSK Low Channel RB1-0



LTE B14 10MHz QPSK Middle Channel RB1-0



LTE B14 5MHz QPSK High Channel RB1-0

Note: Radiated data in section 9.1.7 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

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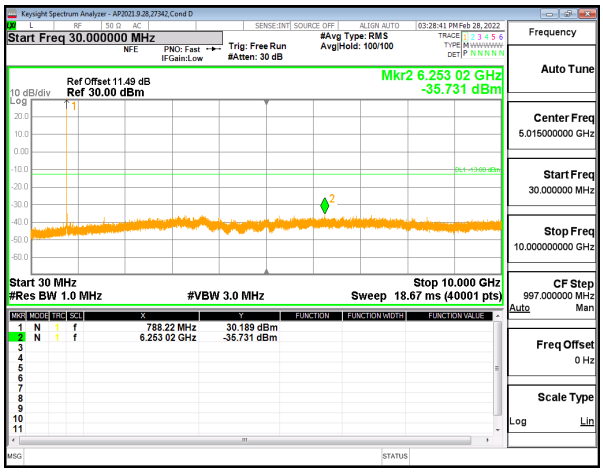
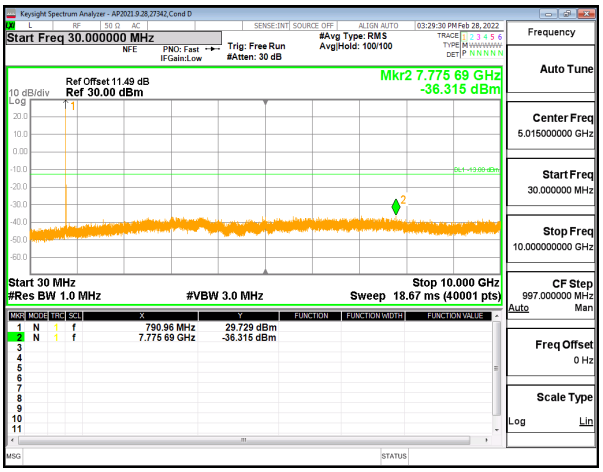
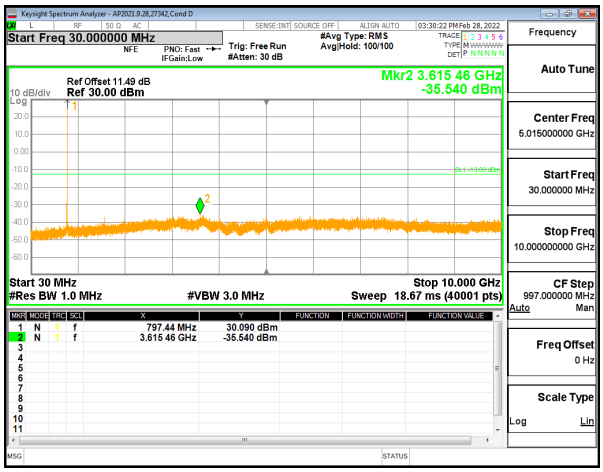
5G NR n14



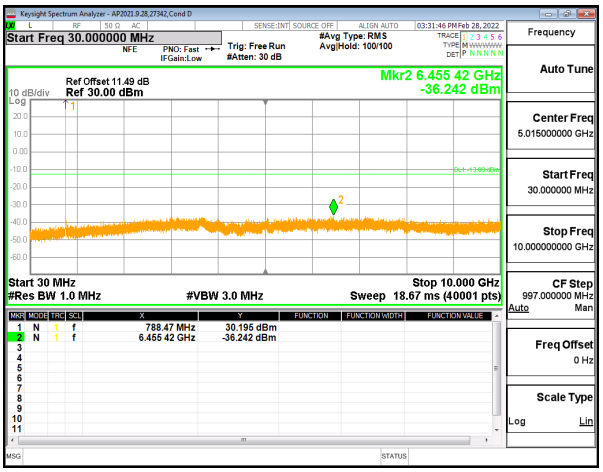
5G NR n14 5MHz BPSK Low Channel RB1-0



5G NR n14 5MHz BPSK Middle Channel RB1-1



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



5G NR n14 5MHz BPSK Middle Channel RB1-1

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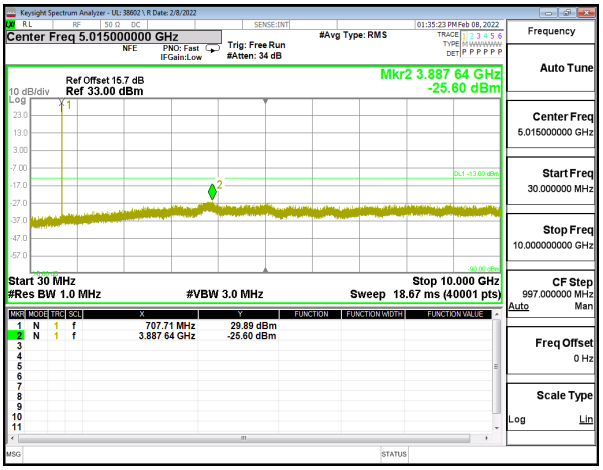
9.3.6. LTE BAND 17

LIMITS

FCC: §27.53 (g)

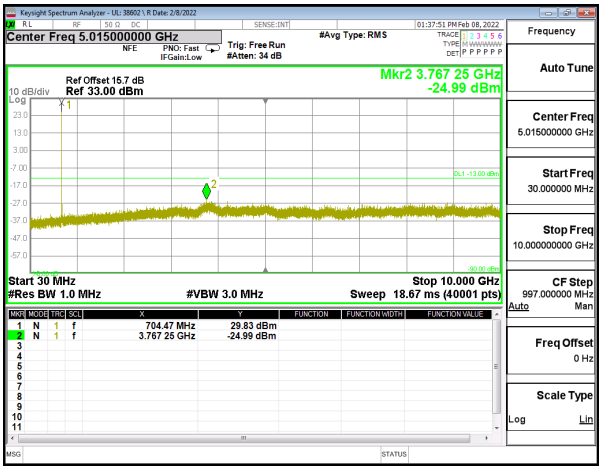
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

LTE B17 5MHz QPSK Low Channel RB1-0



LTE B17 5MHz QPSK Middle Channel RB1-0

LTE B17 5MHz QPSK High Channel RB1-0



LTE B17 10MHz QPSK Low Channel RB1-0

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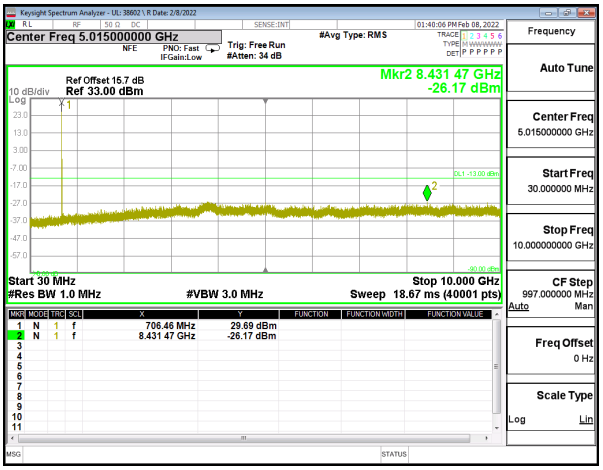
LTE B17 10MHz QPSK Middle Channel RB1-0



LTE B17 10MHz QPSK High Channel RB1-0

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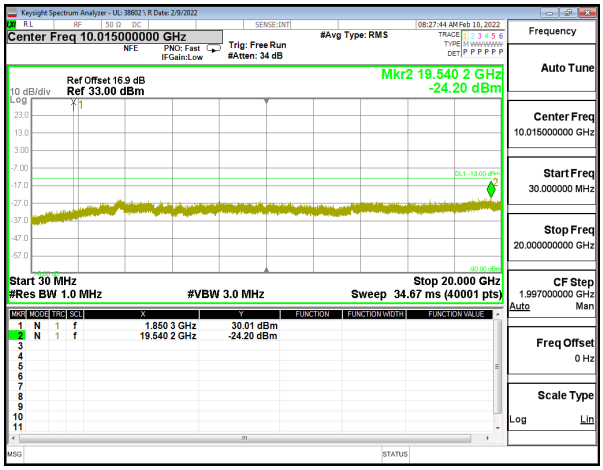
9.3.7. LTE BAND 25 AND 5G NR n25

LIMITS

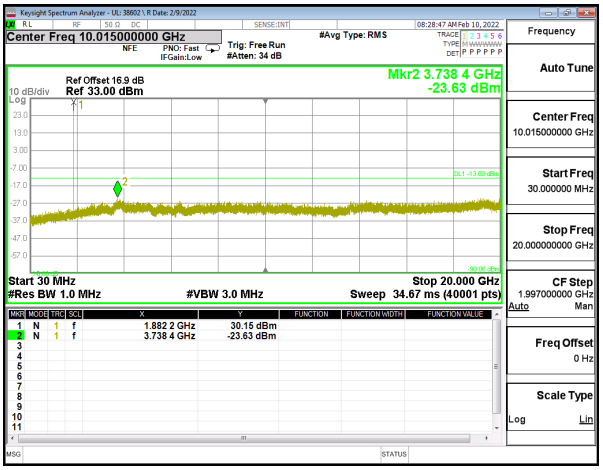
FCC: §24.238 (a)

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

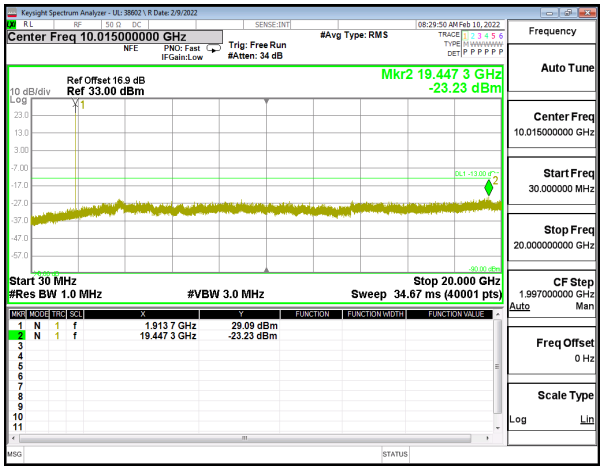
LTE BAND 25



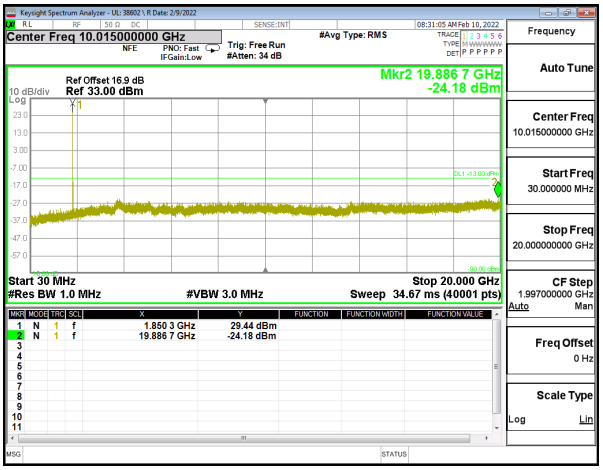
LTE B25 1.4MHz QPSK Low Channel RB1-0



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

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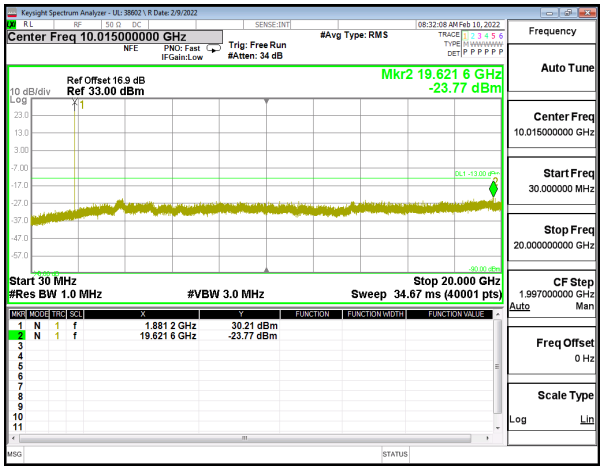
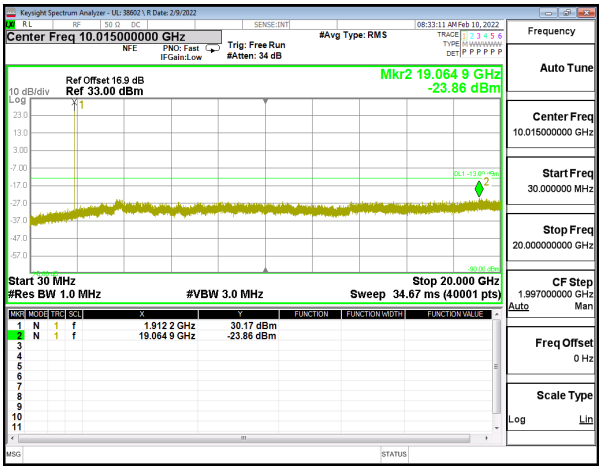
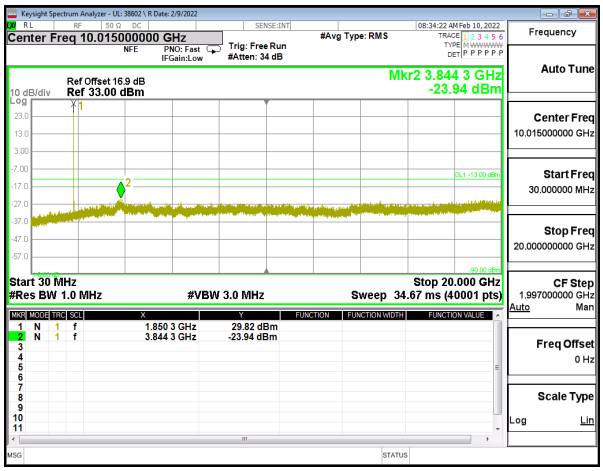


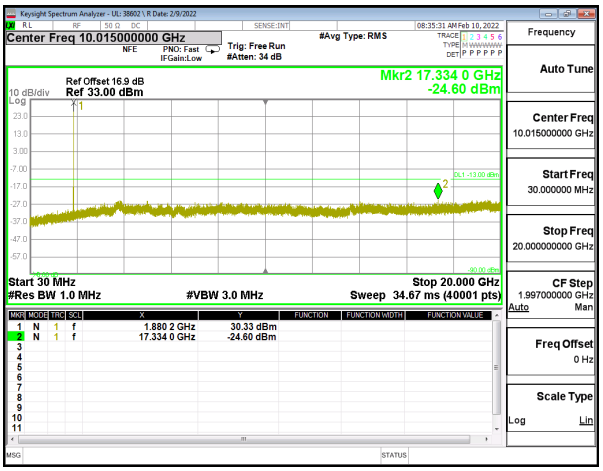
LTE B25 3MHz QPSK Middle Channel RB1-0



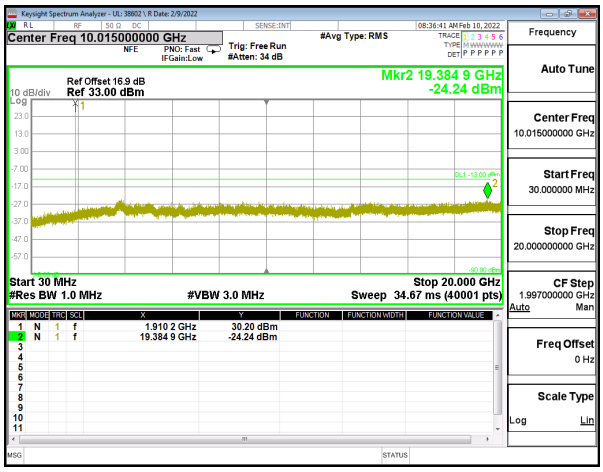
LTE B25 3MHz QPSK High Channel RB1-0



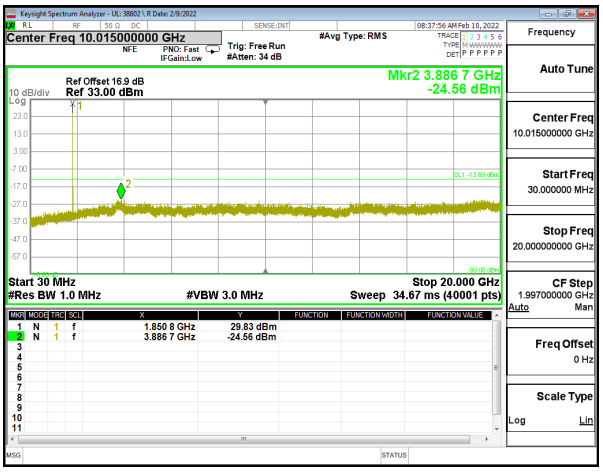
LTE B25 5MHz QPSK Low Channel RB1-0



LTE B25 5MHz QPSK Middle Channel RB1-0



LTE B25 5MHz QPSK High Channel RB1-0



LTE B25 10MHz QPSK Low Channel RB1-0

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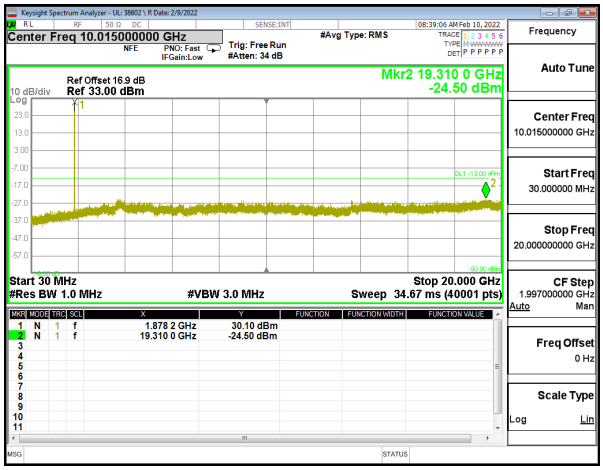
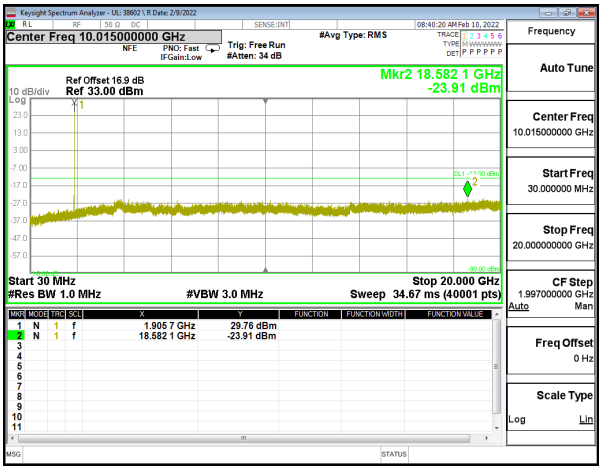
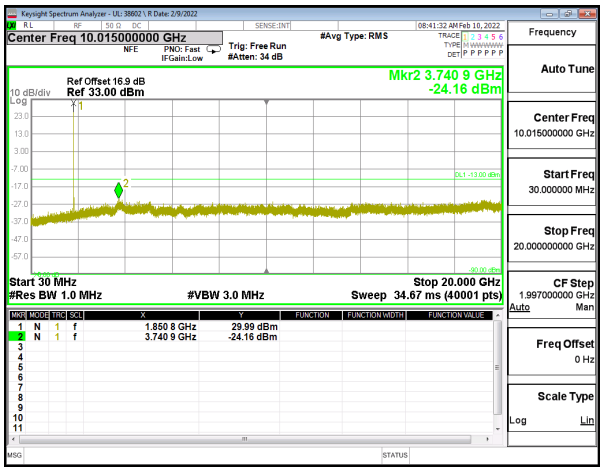


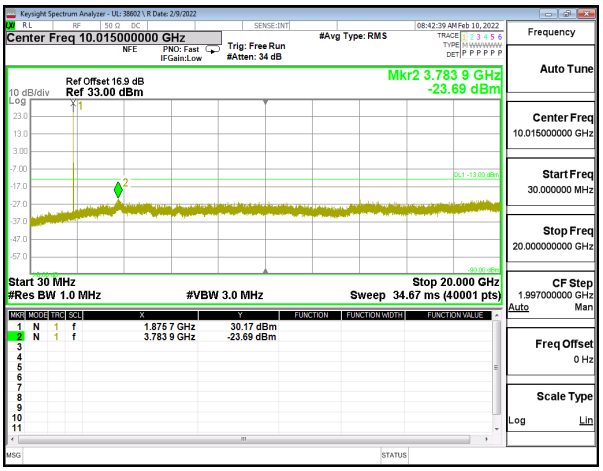
LTE B25 10MHz QPSK Middle Channel RB1-0



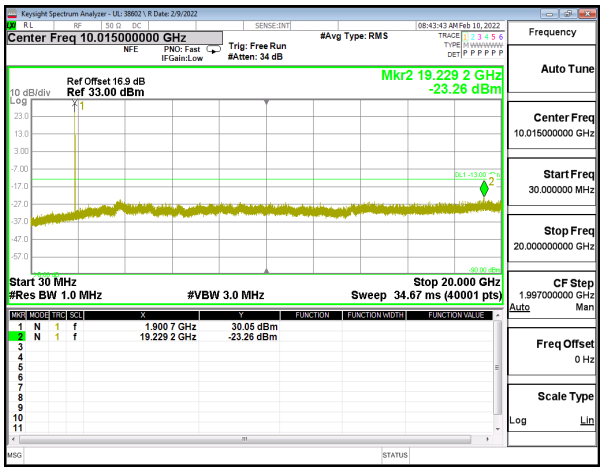
LTE B25 10MHz QPSK High Channel RB1-0



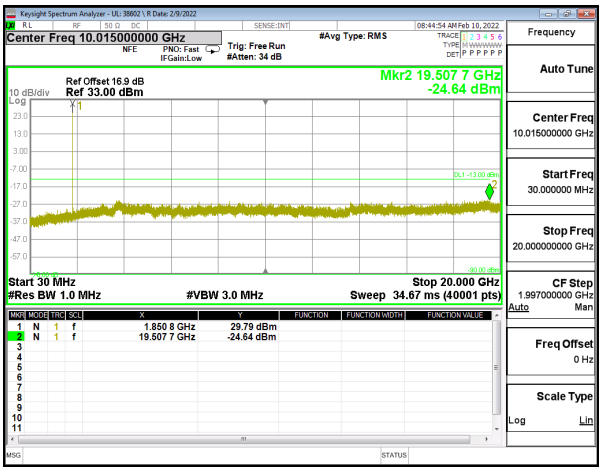
LTE B25 15MHz QPSK Low Channel RB1-0



LTE B25 15MHz QPSK Middle Channel RB1-0



LTE B25 15MHz QPSK High Channel RB1-0



LTE B25 20MHz QPSK Low Channel RB1-0

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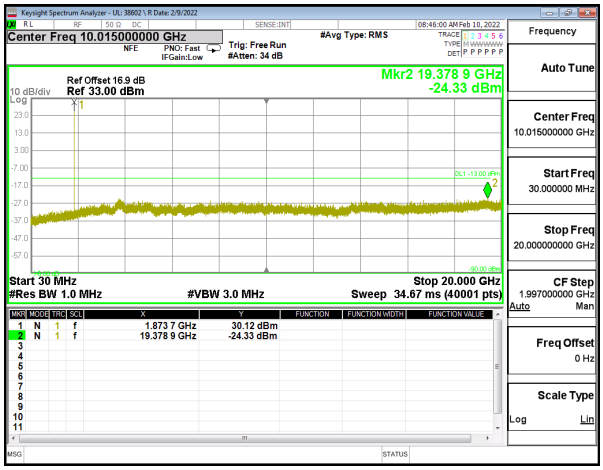
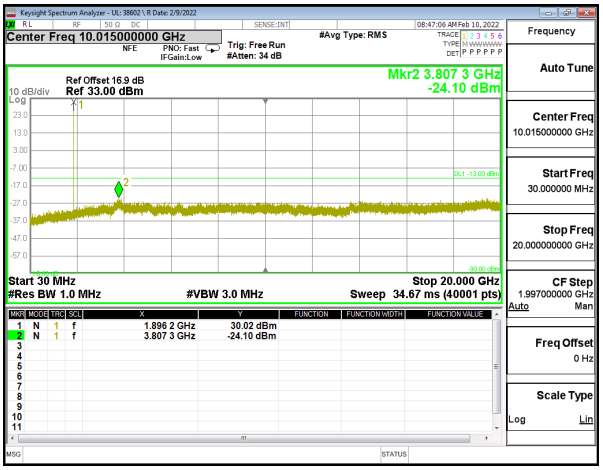


LTE B25 20MHz QPSK Middle Channel RB1-0



LTE B25 20MHz QPSK High Channel RB1-0

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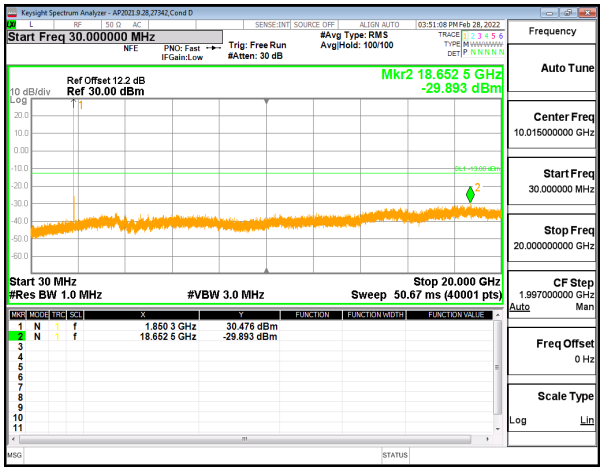
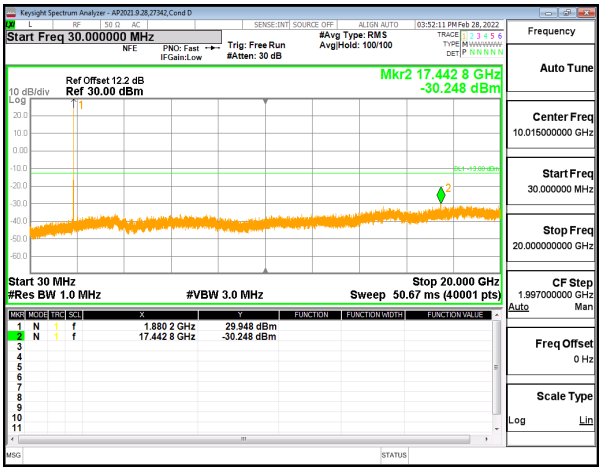
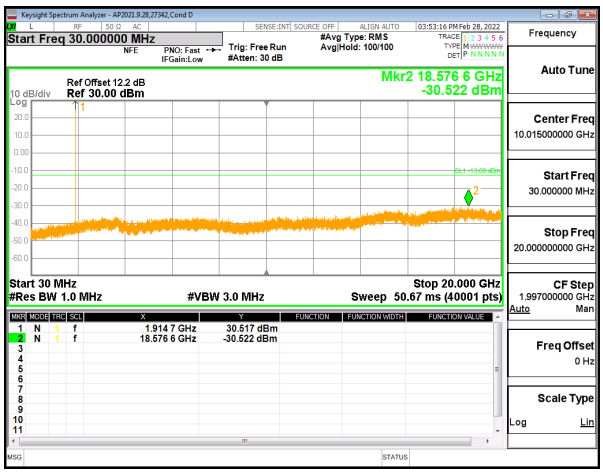
5G NR n25



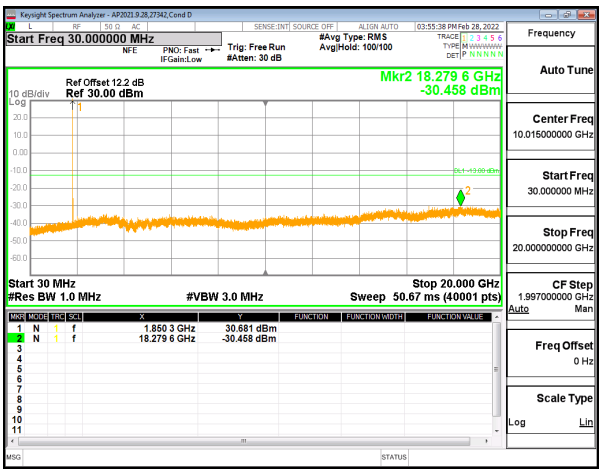
5G NR n25 5MHz BPSK Low Channel RB1-0



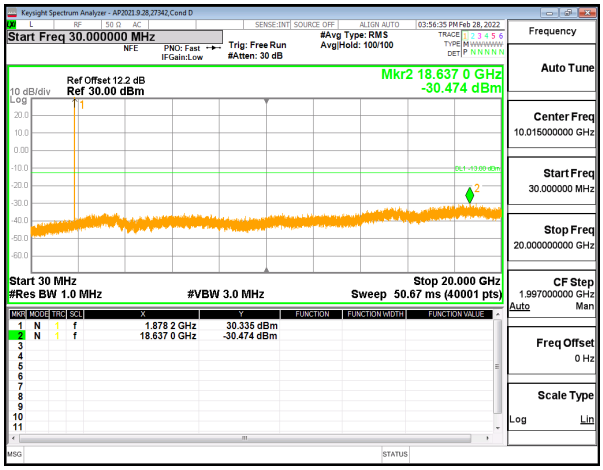
5G NR n25 5MHz BPSK Middle Channel RB1-1



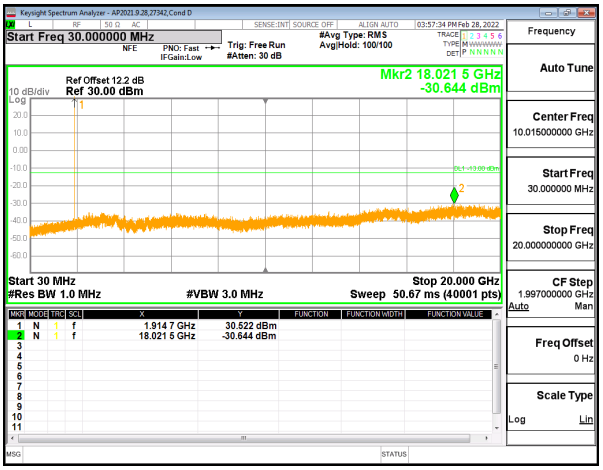
5G NR n25 5MHz BPSK High Channel RB1-24



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



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



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

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