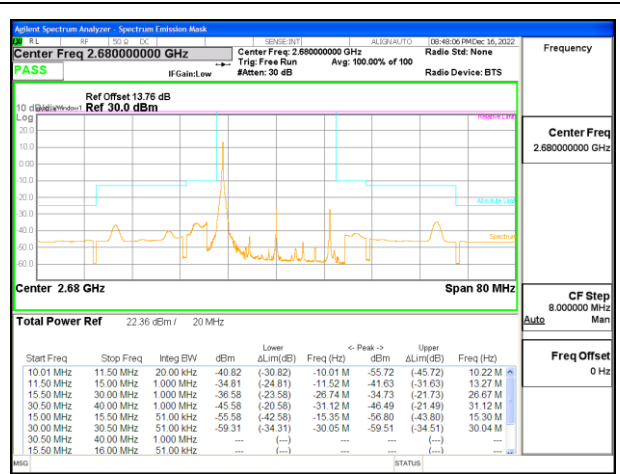
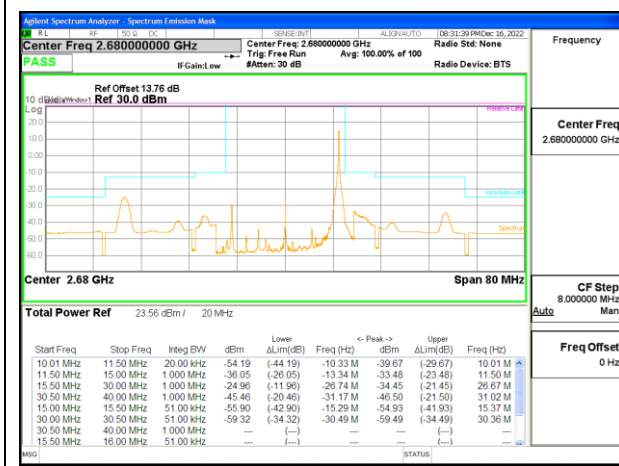


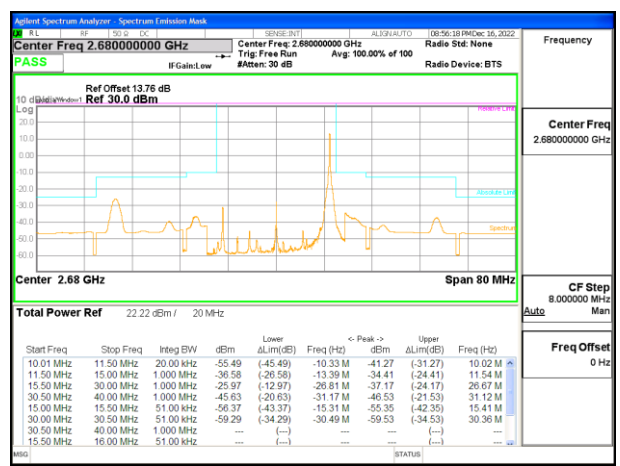
LTE B41 20MHz QPSK High Channel RB1-0



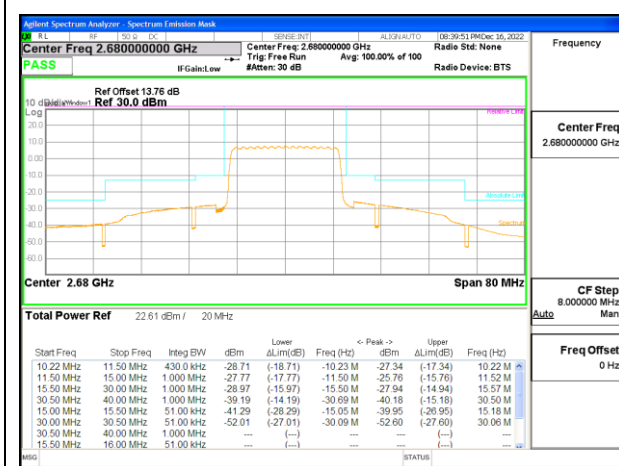
LTE B41 20MHz 16QAM High Channel RB1-0



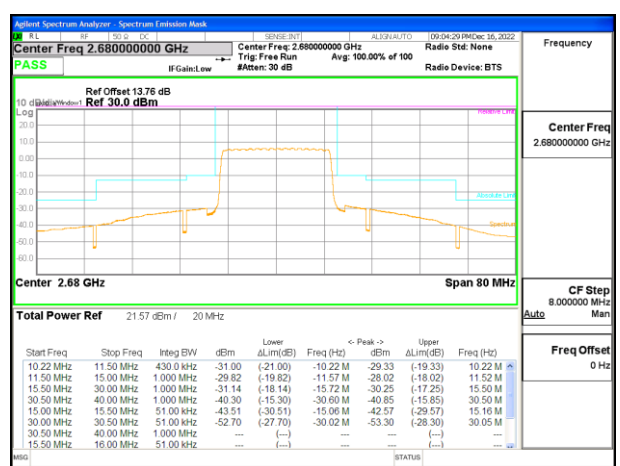
LTE B41 20MHz QPSK High Channel RB1-99



LTE B41 20MHz 16QAM High Channel RB1-99



LTE B41 20MHz QPSK High Channel RB100-0



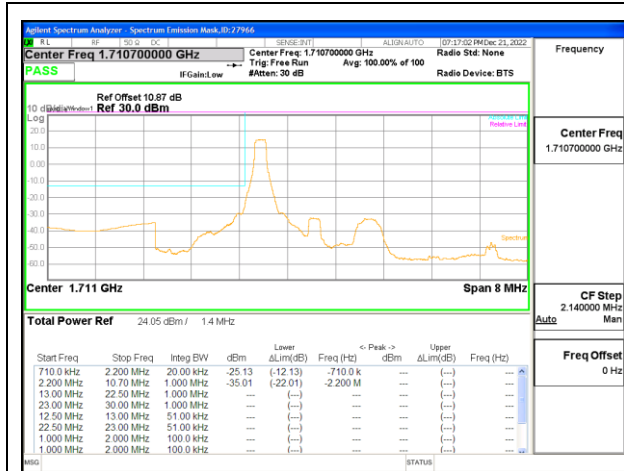
LTE B41 20MHz 16QAM High Channel RB100-0

9.2.13. LTE BAND 66 BANDEDGE

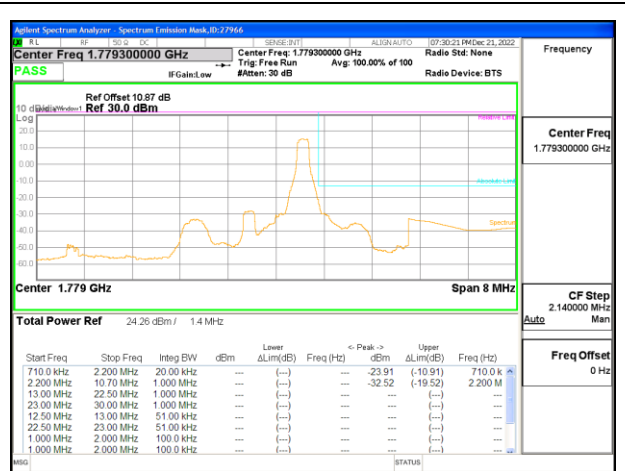
LIMITS

FCC: §27.53(h)

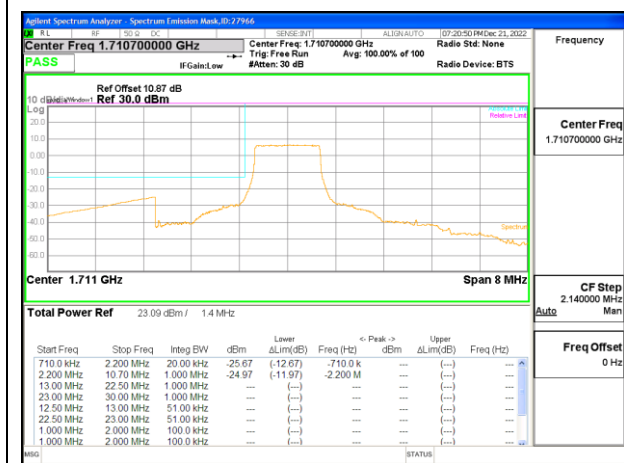
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.



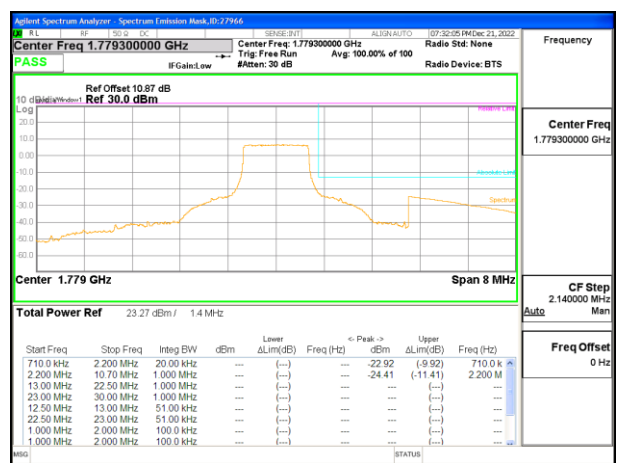
LTE B66 1.4MHz QPSK Low Channel RB1-0



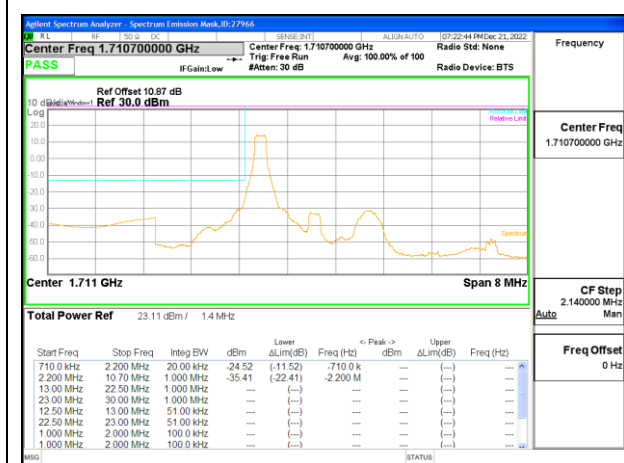
LTE B66 1.4MHz QPSK High Channel RB1-5



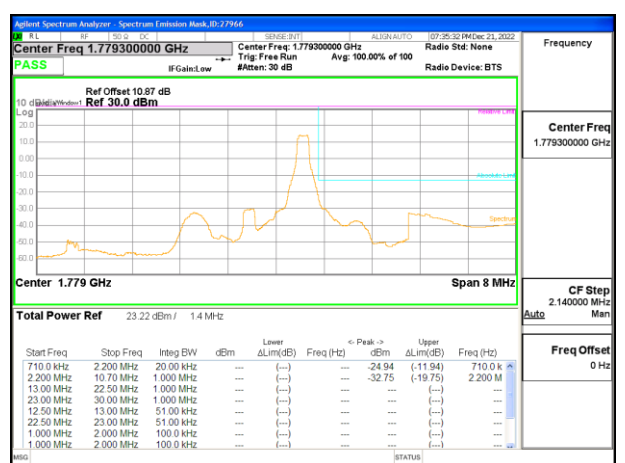
LTE B66 1.4MHz QPSK Low Channel RB6-0



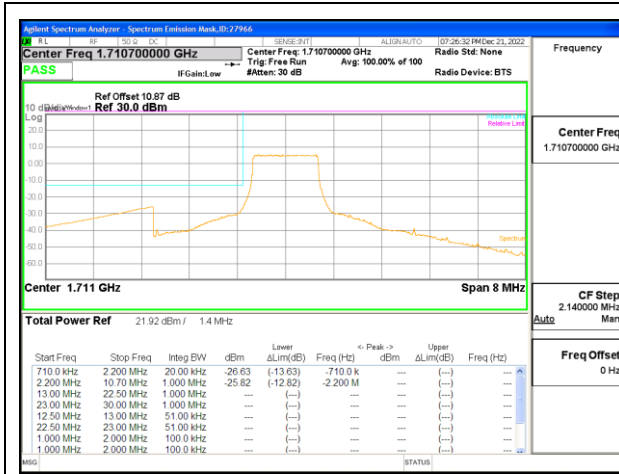
LTE B66 1.4MHz QPSK High Channel RB6-0



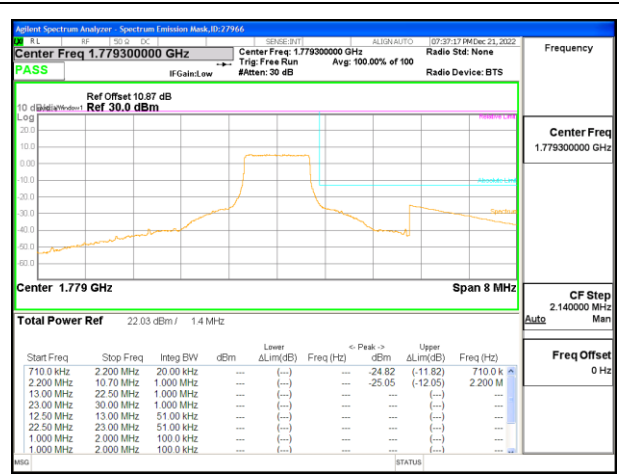
LTE B66 1.4MHz 16QAM Low Channel RB1-0



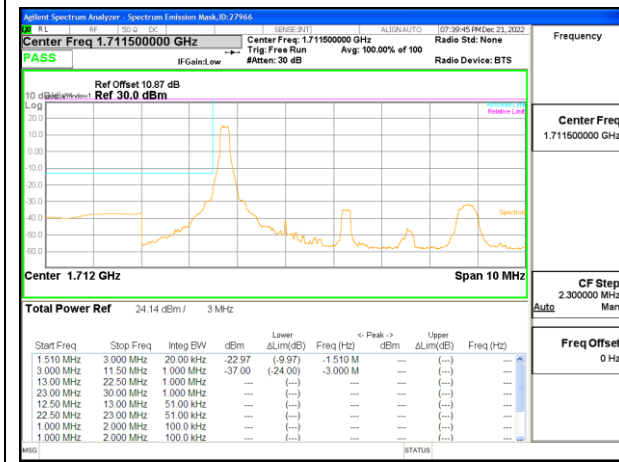
LTE B66 1.4MHz 16QAM High Channel RB1-5



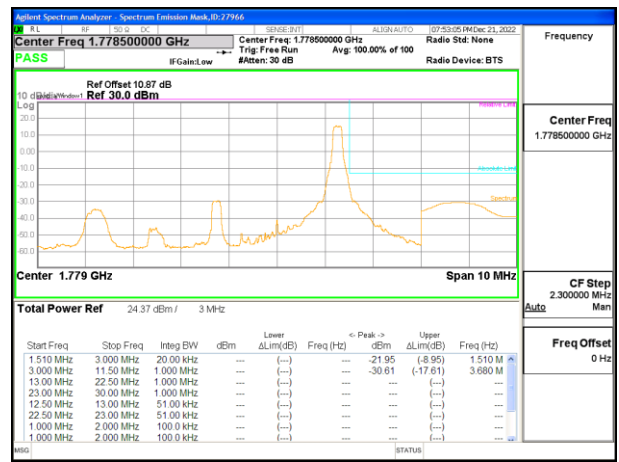
LTE B66 1.4MHz 16QAM Low Channel RB6-0



LTE B66 1.4MHz 16QAM High Channel RB6-0



LTE B66 3MHz QPSK Low Channel RB1-0



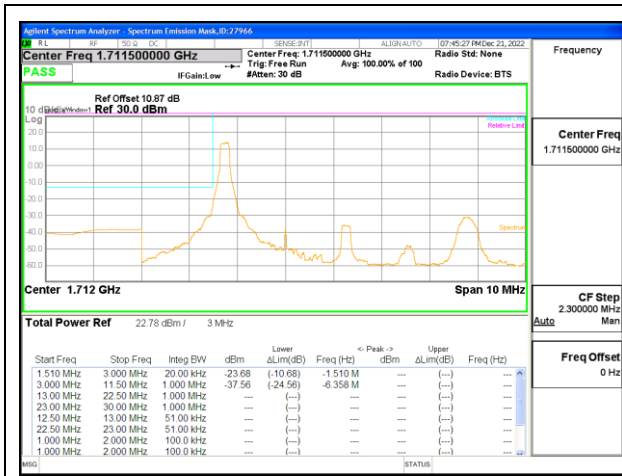
LTE B66 3MHz QPSK High Channel RB1-14



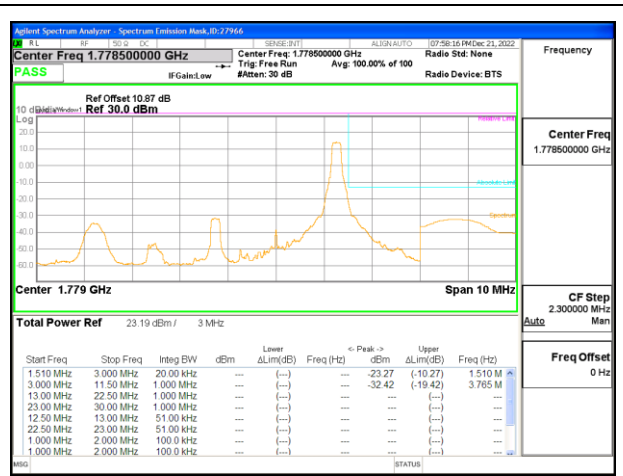
LTE B66 3MHz QPSK Low Channel RB15-0



LTE B66 3MHz QPSK High Channel RB15-0



LTE B66 3MHz 16QAM Low Channel RB1-0



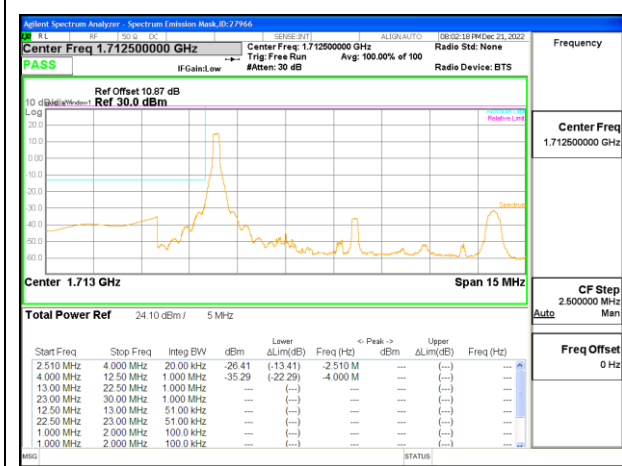
LTE B66 3MHz 16QAM High Channel RB1-14



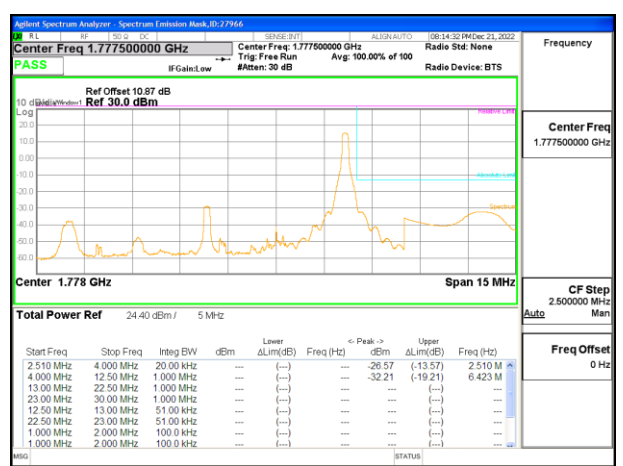
LTE B66 3MHz 16QAM Low Channel RB15-0



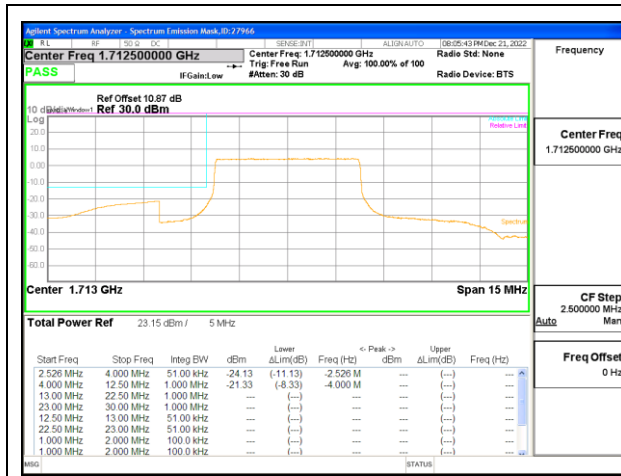
LTE B66 3MHz 16QAM High Channel RB15-0



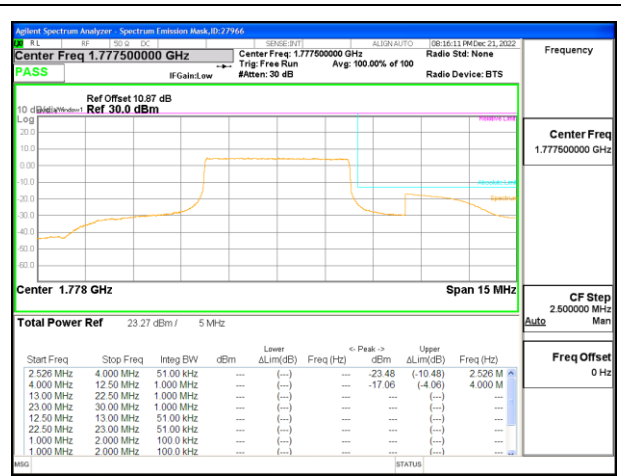
LTE B66 5MHz QPSK Low Channel RB1-0



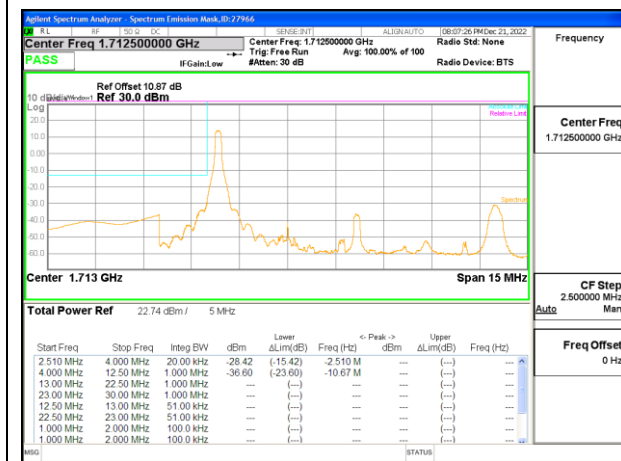
LTE B66 5MHz QPSK High Channel RB1-24



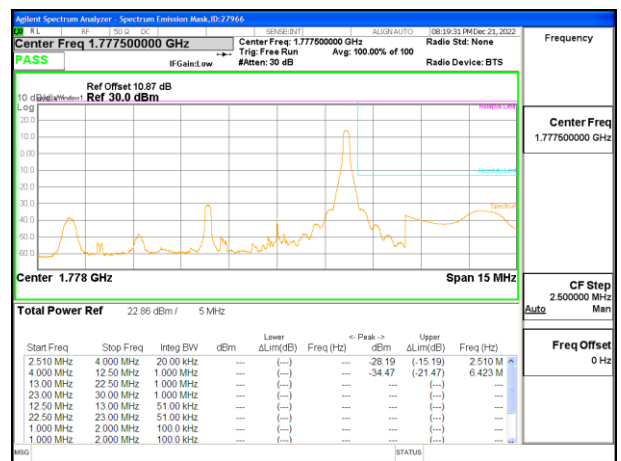
LTE B66 5MHz QPSK Low Channel RB25-0



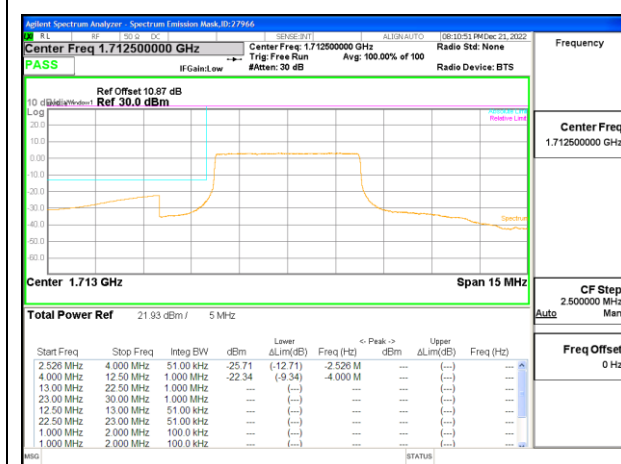
LTE B66 5MHz QPSK High Channel RB25-0



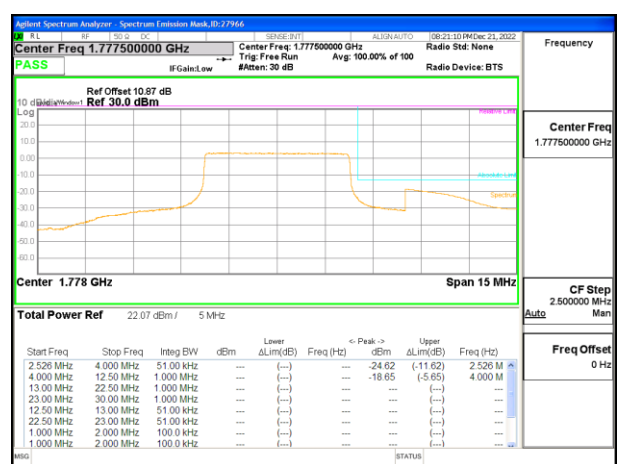
LTE B66 5MHz 16QAM Low Channel RB1-0



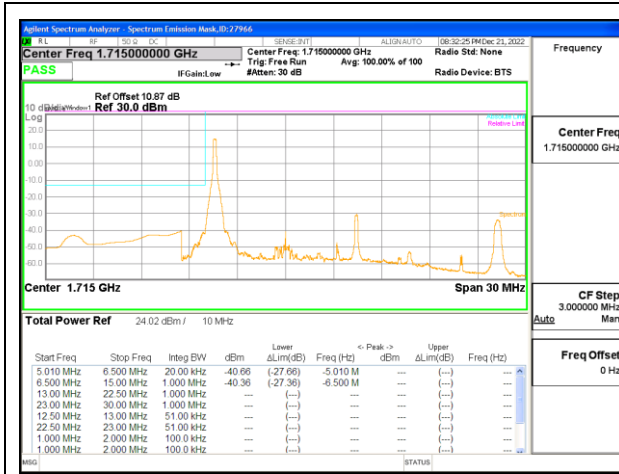
LTE B66 5MHz 16QAM High Channel RB1-24



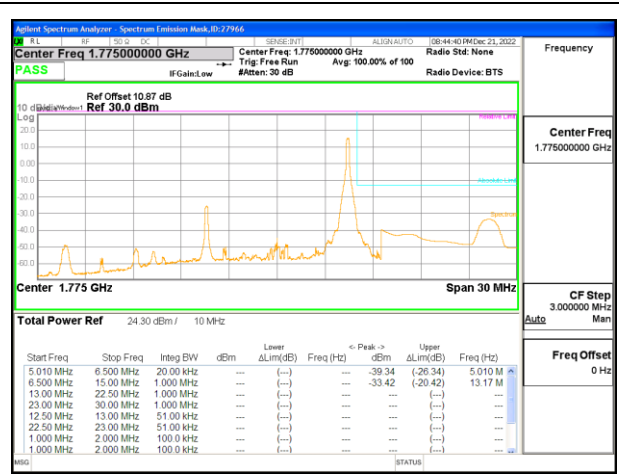
LTE B66 5MHz 16QAM Low Channel RB25-0



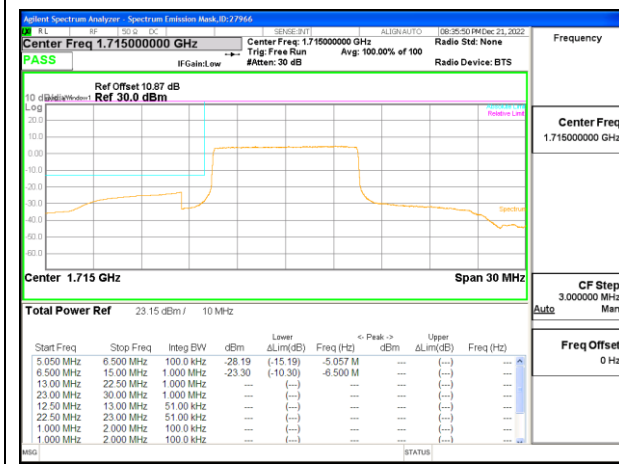
LTE B66 5MHz 16QAM High Channel RB25-0



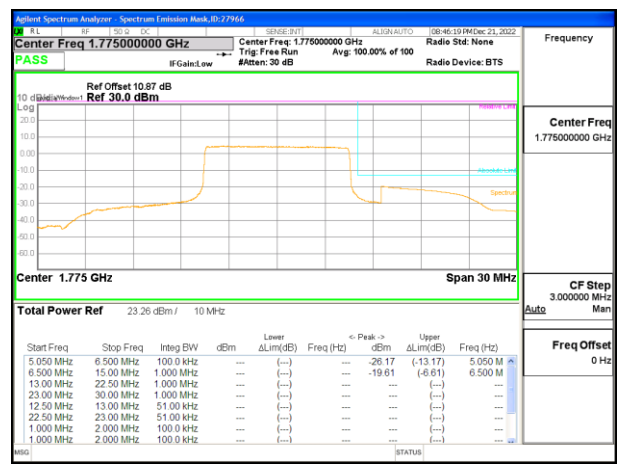
LTE B66 10MHz QPSK Low Channel RB1-0



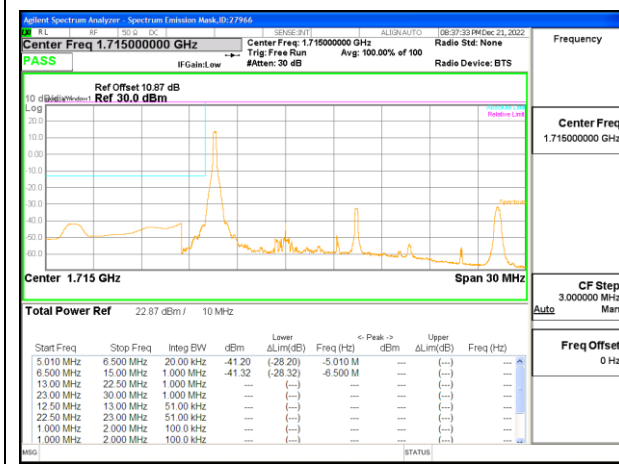
LTE B66 10MHz QPSK High Channel RB1-49



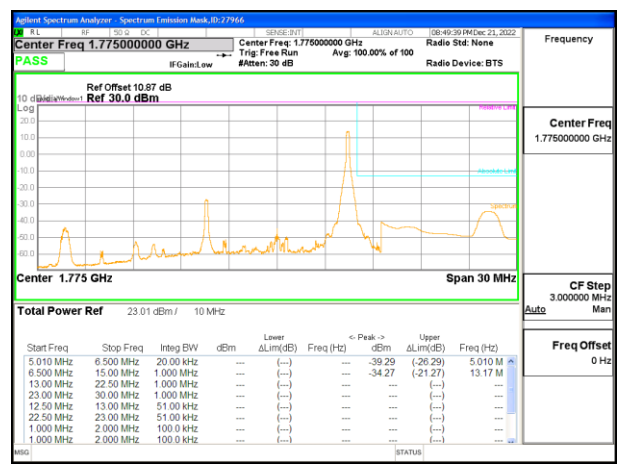
LTE B66 10MHz QPSK Low Channel RB50-0



LTE B66 10MHz QPSK High Channel RB50-0



LTE B66 10MHz 16QAM Low Channel RB1-0



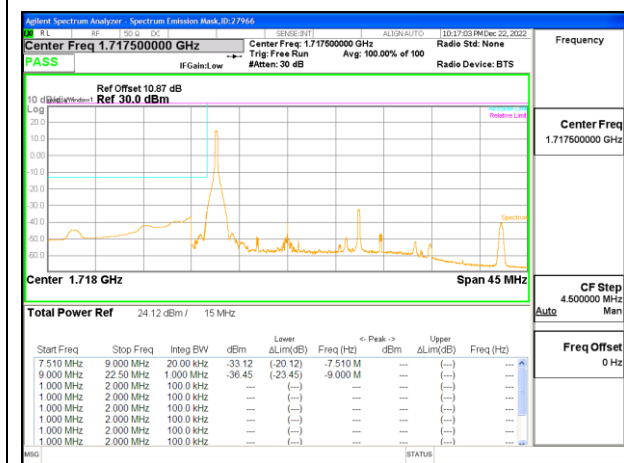
LTE B66 10MHz 16QAM High Channel RB1-49



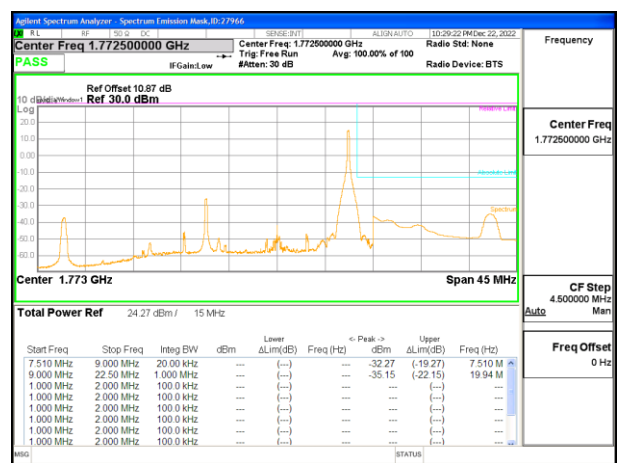
LTE B66 10MHz 16QAM Low Channel RB50-0



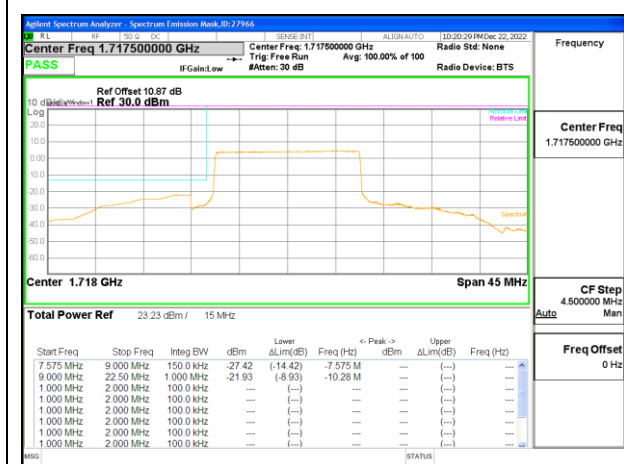
LTE B66 10MHz 16QAM High Channel RB50-0



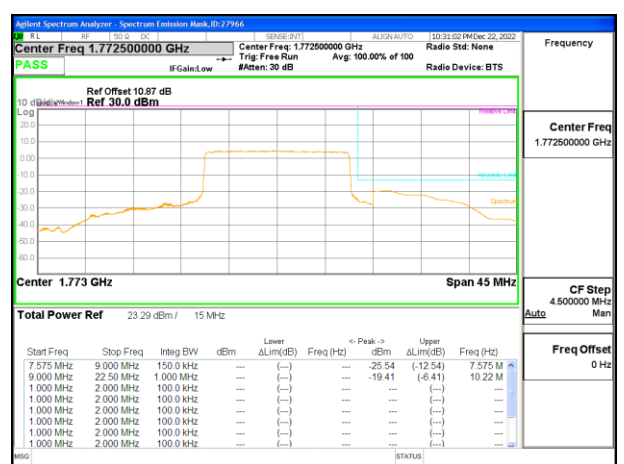
LTE B66 15MHz QPSK Low Channel RB1-0



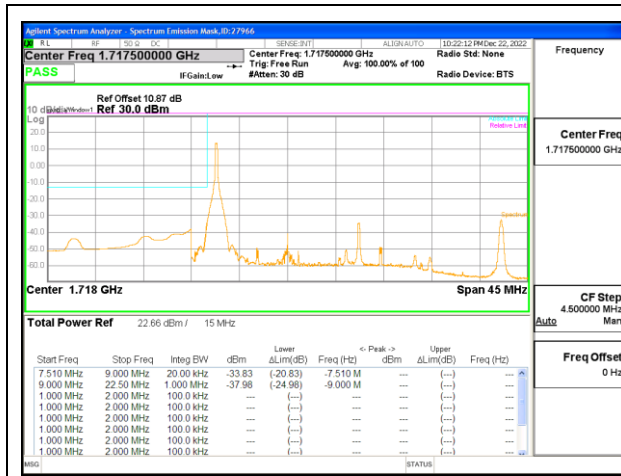
LTE B66 15MHz QPSK High Channel RB1-74



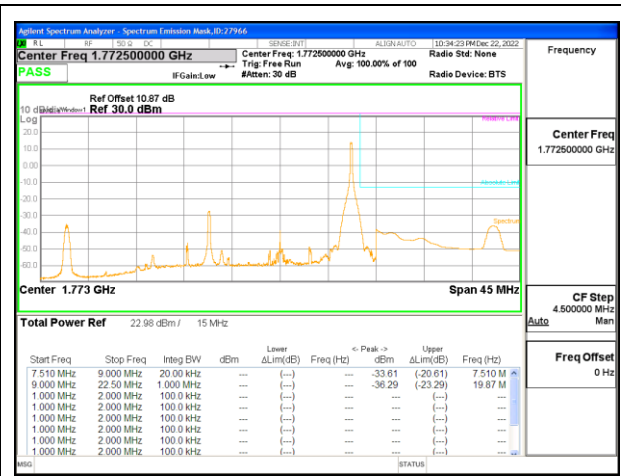
LTE B66 15MHz QPSK Low Channel RB75-0



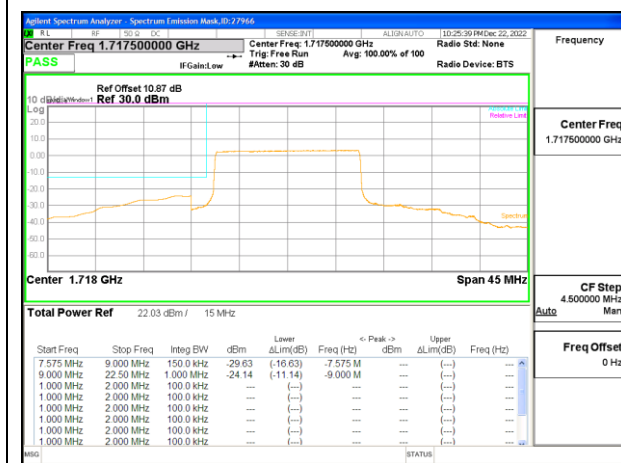
LTE B66 15MHz QPSK High Channel RB75-0



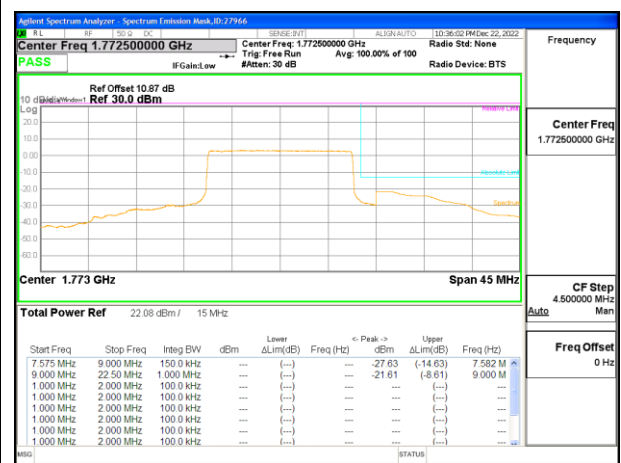
LTE B66 15MHz 16QAM Low Channel RB1-0



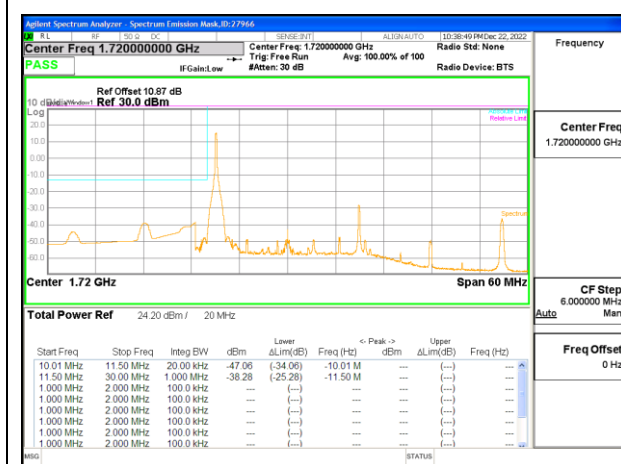
LTE B66 15MHz 16QAM High Channel RB1-74



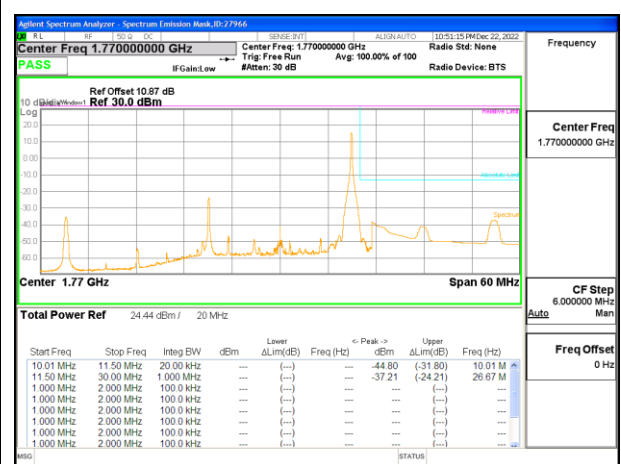
LTE B66 15MHz 16QAM Low Channel RB75-0



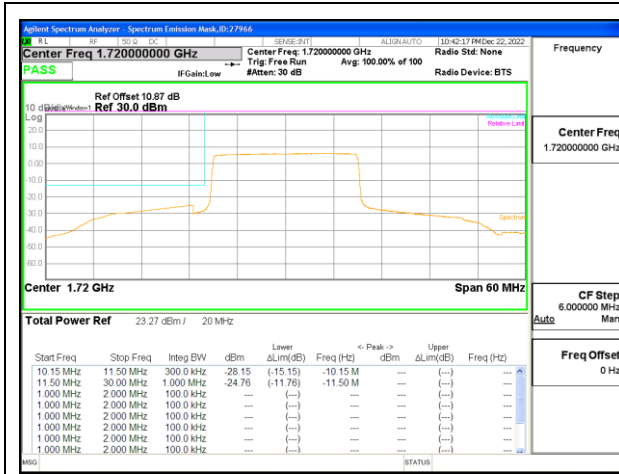
LTE B66 15MHz 16QAM High Channel RB75-0



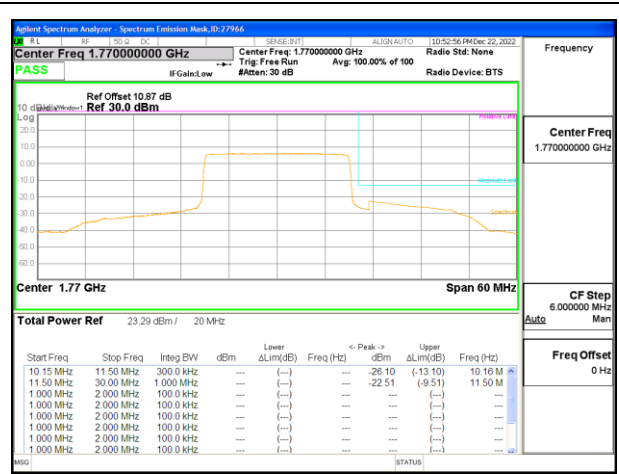
LTE B66 20MHz QPSK Low Channel RB1-0



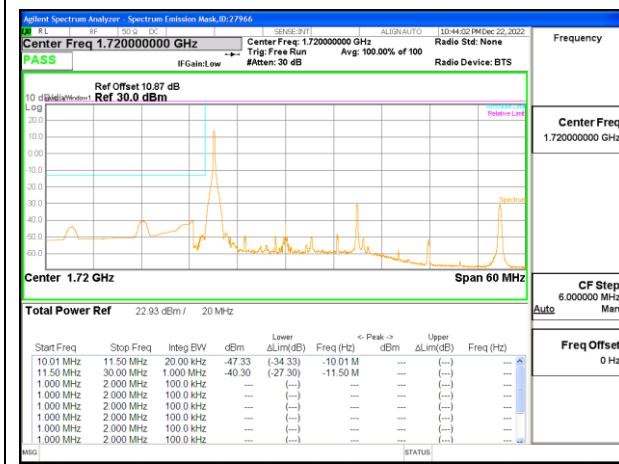
LTE B66 20MHz QPSK High Channel RB1-99



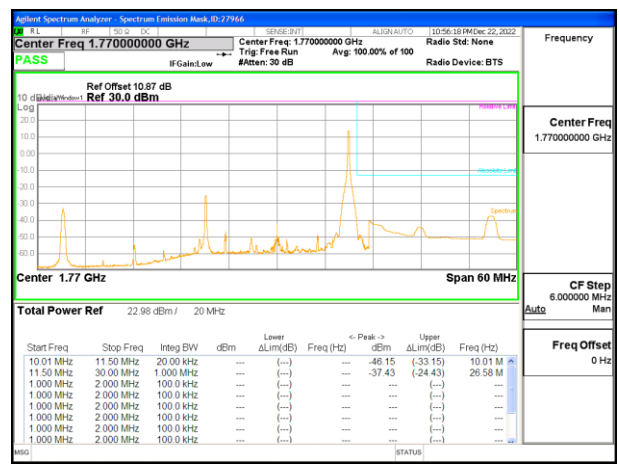
LTE B66 20MHz QPSK Low Channel RB100-0



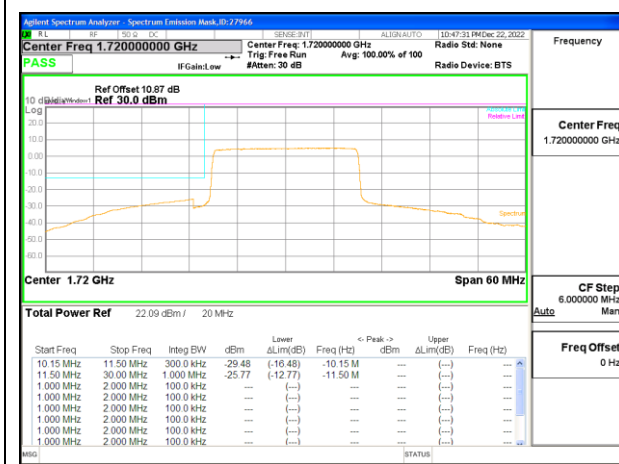
LTE B66 20MHz QPSK High Channel RB100-0



LTE B66 20MHz 16QAM Low Channel RB1-0



LTE B66 20MHz 16QAM High Channel RB1-99



LTE B66 20MHz 16QAM Low Channel RB100-0



LTE B66 20MHz 16QAM High Channel RB100-0

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 and -25dBm 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)

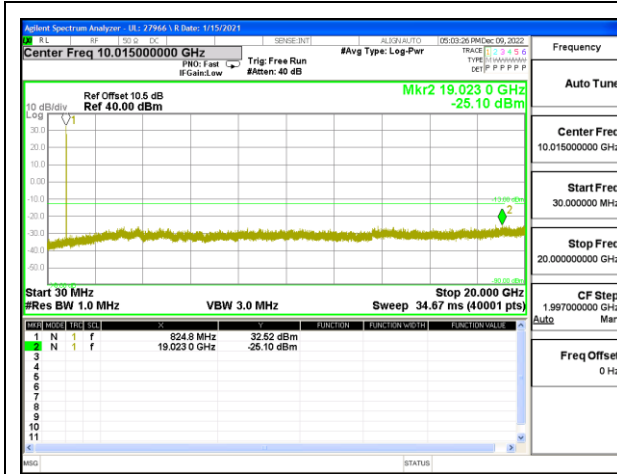
RESULTS

9.3.1. GSM 850

LIMITS

FCC: §22.917

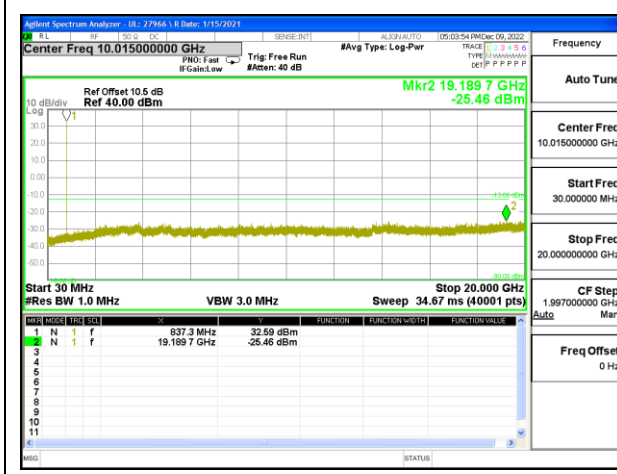
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log(P)$ dB where transmitting power (P) in Watts.



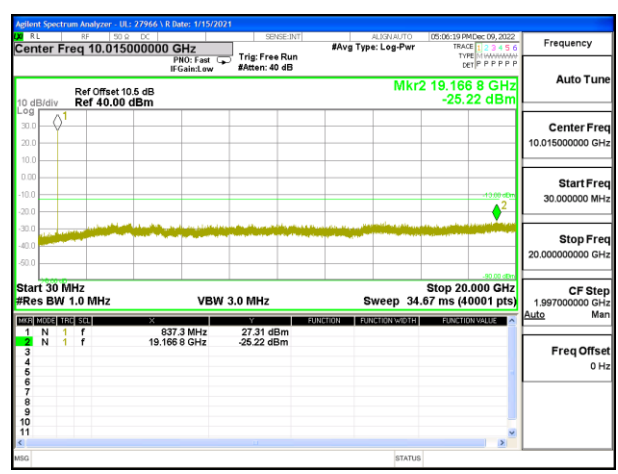
GSM 850 GPRS Low Channel



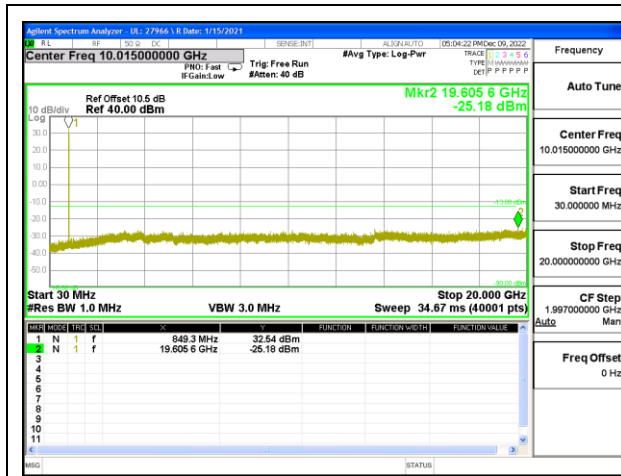
GSM 850 EGPRS Low Channel



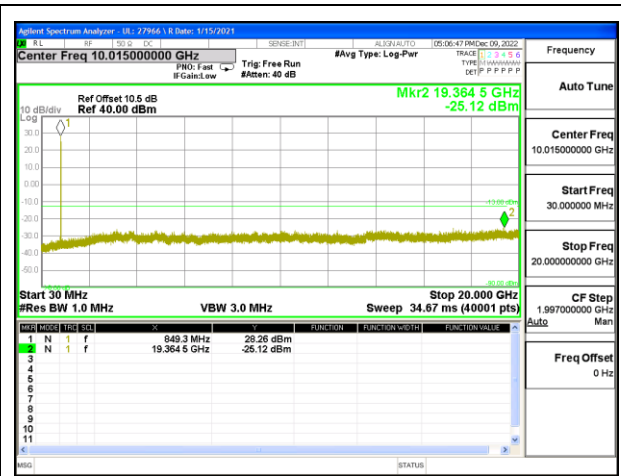
GSM 850 GPRS Middle Channel



GSM 850 EGPRS Middle Channel



GSM 850 GPRS High Channel



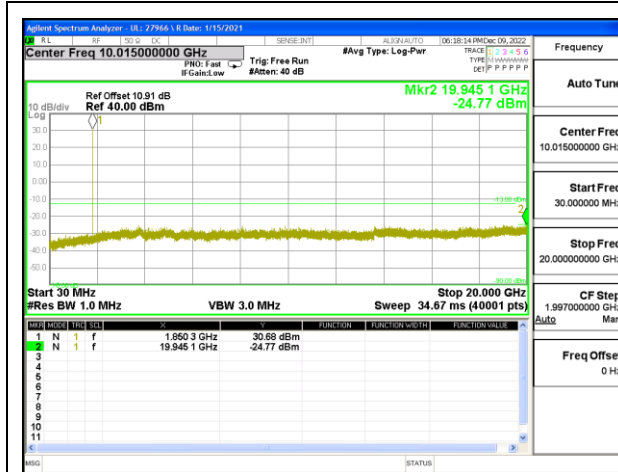
GSM 850 EGPRS High Channel

9.3.2. GSM 1900

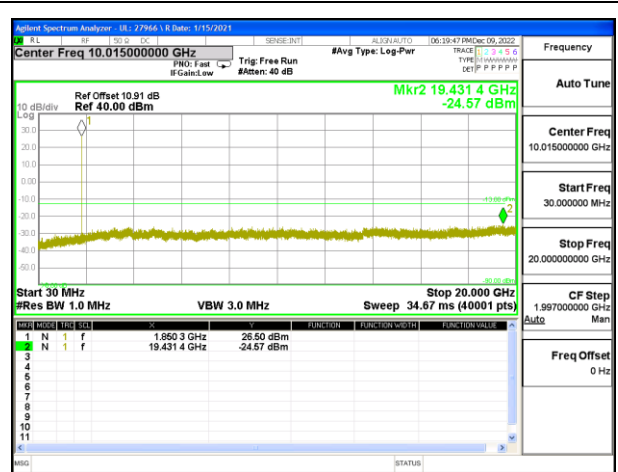
LIMITS

FCC: §24.238

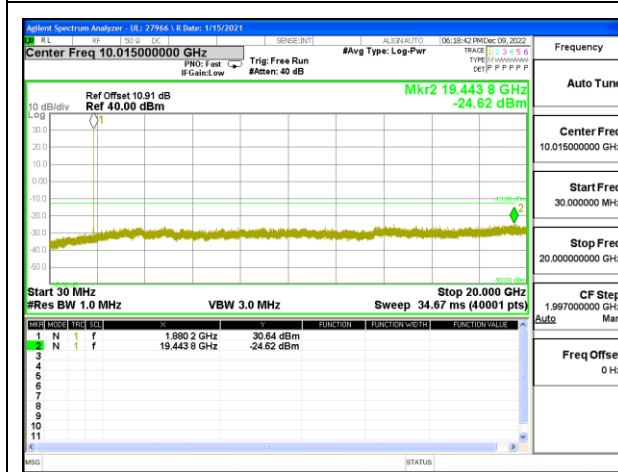
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log(P)$ dB where transmitting power (P) in Watts.



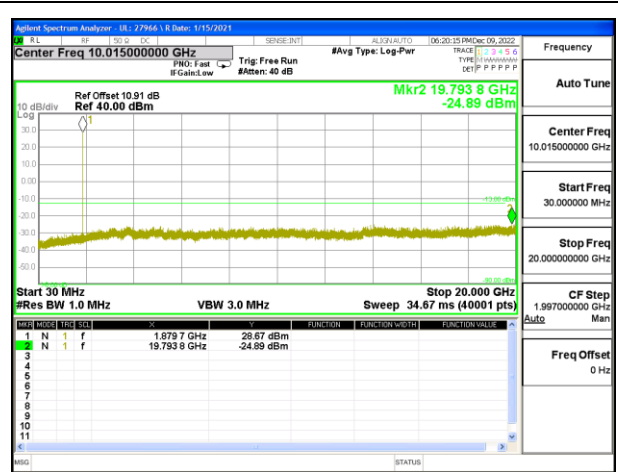
GSM 1900 GPRS Low Channel



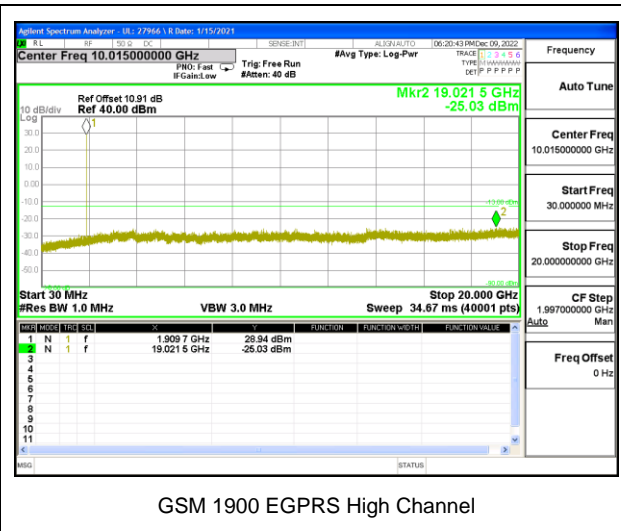
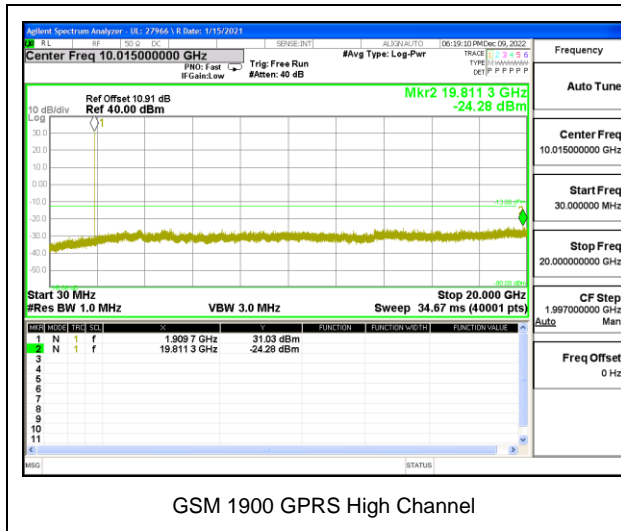
GSM 1900 EGPRS Low Channel



GSM 1900 GPRS Middle Channel



GSM 1900 EGPRS Middle Channel

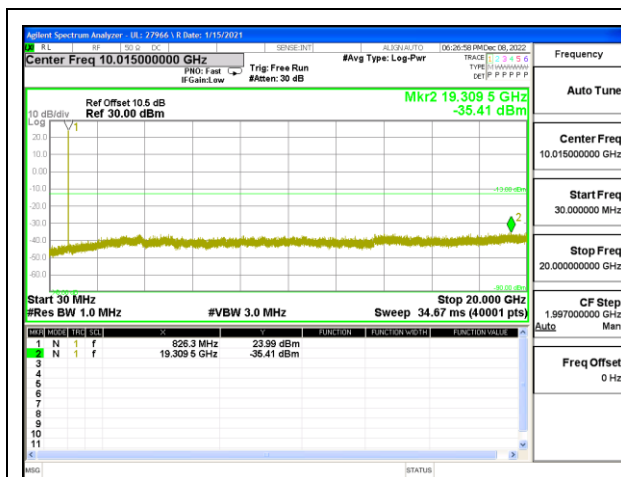


9.3.3. WCDMA BAND 5

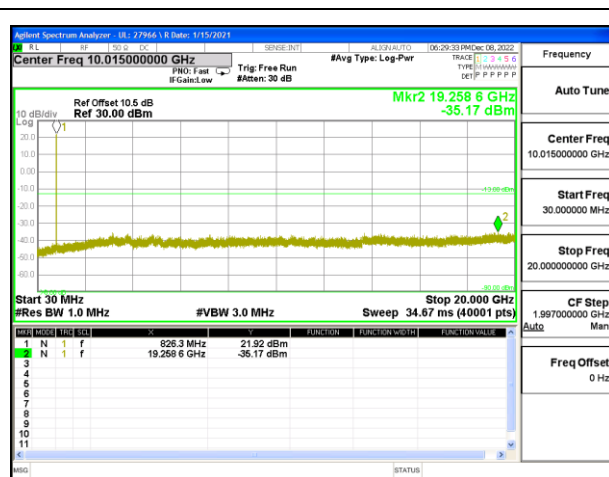
LIMITS

FCC: §22.917

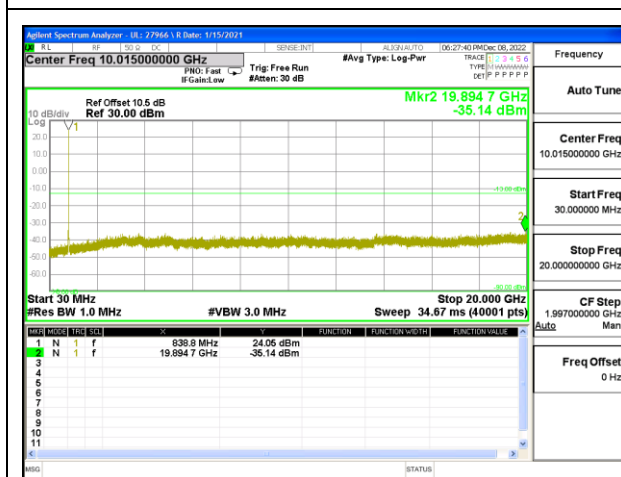
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log(P)$ dB where transmitting power (P) in Watts.



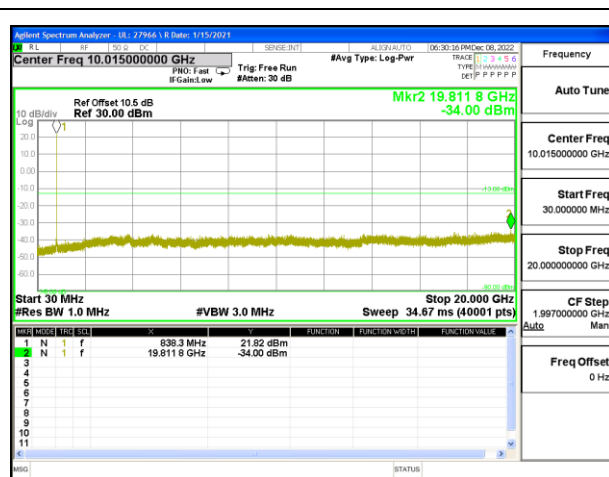
WCDMA Band 5 Rel 99 Low Channel



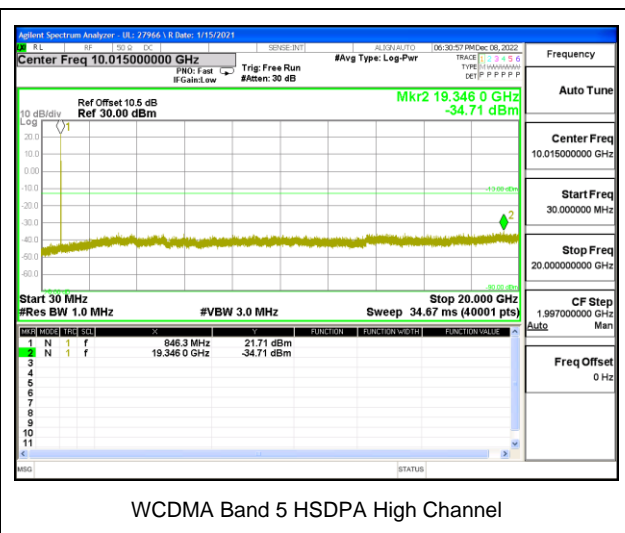
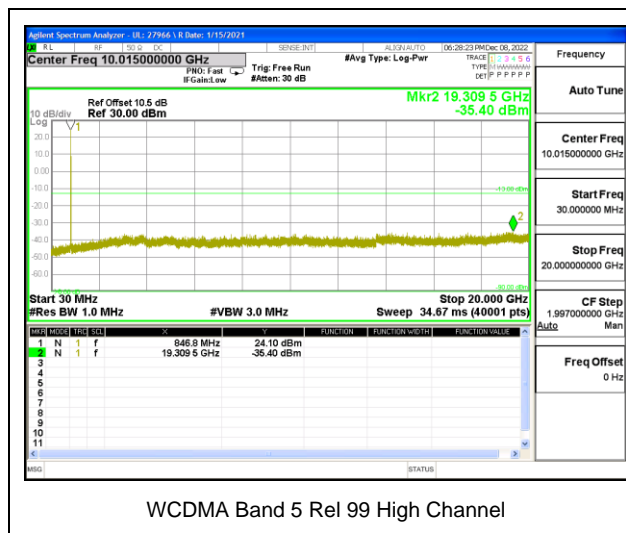
WCDMA Band 5 HSDPA Low Channel



WCDMA Band 5 Rel 99 Middle Channel



WCDMA Band 5 HSDPA Middle Channel

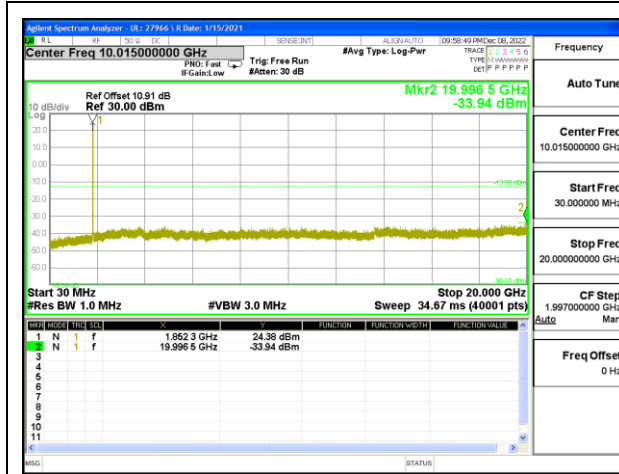


9.3.4. WCDMA BAND 2

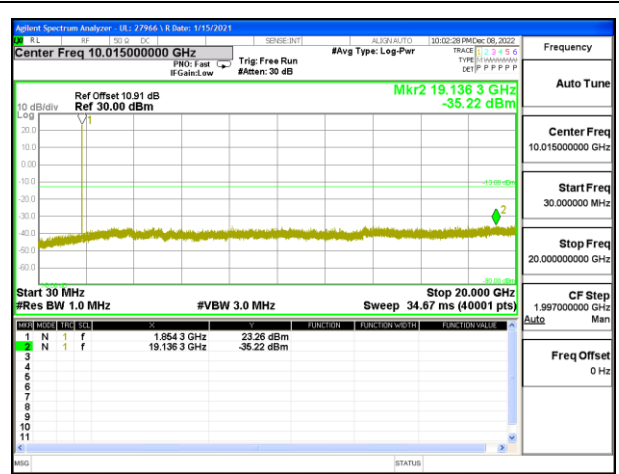
LIMITS

FCC: §24.238

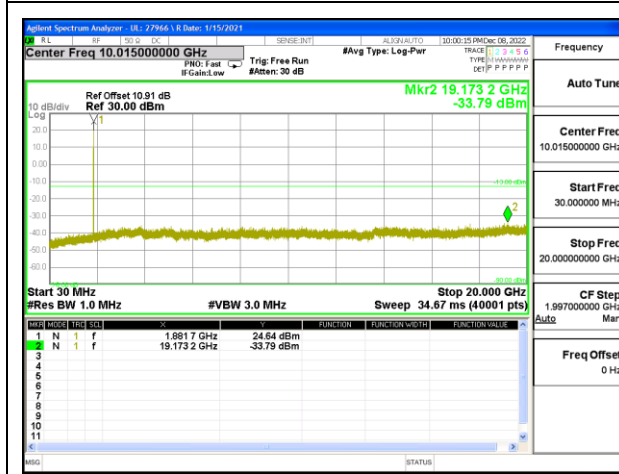
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.



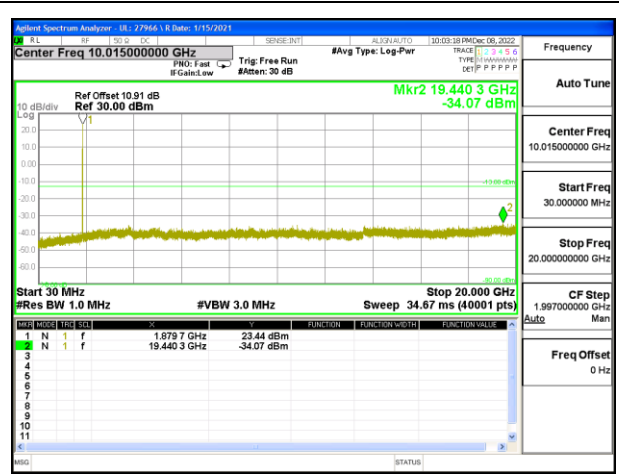
WCDMA Band 2 Rel 99 Low Channel



WCDMA Band 2 HSDPA Low Channel



WCDMA Band 2 Rel 99 Middle Channel



WCDMA Band 2 HSDPA Middle Channel