#### **5G NR n7 EMISSION MASK**





DATE: JULY 14, 2022

> Center Fre Center Fre ter 2.535 GHz Span 40 MH ter 2.565 GHz CF Step 4.000000 MHz 4.000000 MHz Freq Offse 20 00 kHz 1 000 MHz 1 000 MHz 1 000 MHz 1 000 MHz 100,0 kHz 100.0 kHz 5 487 M 6 780 M 10.57 M 15.68 M 10.21 M 15.26 M -18 39 -33 23 -43 33 -46 19 -51 01 -55 62 (-52 60) (-36 10) (-33 74) (-22 12) (-43 30) (-31 51) -18 01 -34 88 -43 39 -46 27 -51 90 -55 65 (-8.01) (-24.88) (-30.39) (-21.27) (-38.90) (-30.65) (-52.76) (-36.27) (-33.91) (-22.24) (-43.50) (-31.83) 6,500 MHz 10,00 MHz 15,00 MHz 20,00 MHz 10,50 MHz 15,50 MHz (-8.39) (-23.23) (-30.33) (-21.19) (-38.01) (-30.62) (--) 5,010 MHz 6,500 MHz 10,50 MHz 20 00 kHz 1 000 MHz 1 000 MHz 1 000 MHz 1 000 MHz 100,0 kHz 100,0 kHz 5,554 M 6,780 M 10,55 M 15,61 M 5G NR n7 10MHz BPSK Middle Channel RB1-0 5G NR n7 10MHz BPSK High Channel RB1-0 Ref Offset 13.1 dB Ref 30.0 dBm Center Fre Center Fre CF Step 4.000000 MHz CF Step 4.000000 MHz 5,010 M 6,588 M 10,61 M 15,57 M 10,13 M 15,20 M 6,500 MHz 10,00 MHz 15,00 MHz 20,00 MHz 10,50 MHz 15,50 MHz 2,000 MHz -5.993 M -6.535 M -10.52 M -15.59 M -10.01 M -15.08 M 20 00 kHz 1 000 MHz 1 000 MHz 1 000 MHz 1 000 MHz 100,0 kHz 100,0 kHz 100,0 kHz (-50.25) (-36.72) (-36.72) (-33.62) (-21.95) (-43.16) (-31.46) 6,023 M -6,500 M -10,55 M -15,73 M -10,13 M -15,20 M 20 00 kHz 1 000 MHz 1 000 MHz 1 000 MHz 1 000 MHz 100,0 kHz 100.0 kHz 100.0 kHz -19.29 -35.43 -43.55 -46.23 -51.99 -55.75 (-9.29) (-25.43) (-30.55) (-21.23) -60.25 -45.72 -46.62 -46.95 -56.16 -56.46 20 76 -32 78 -42 96 -46 29 -50 86 -55 65 5.010 M 6.518 M 6.500 MHz 10.50 MHz 5G NR n7 10MHz BPSK Middle Channel RB1-51 5G NR n7 10MHz BPSK High Channel RB1-51 Ref Offset 13.1 dB Ref 30.0 dBm Ref Offset 13.1 dE Ref 30.0 dBm Center Fre Center Fre nter 2.535 GHz Span 40 MH nter 2.565 GHz Span 40 MH CF Step 4.000000 MHz CF Step 4.000000 MHz -23.73 -23.68 -29.88 -38.29 -33.71 -45.83 Stop Freq 6,500 MHz 10,00 MHz 15,00 MHz 20,00 MHz 10,50 MHz 15,50 MHz 2,000 MHz 200.0 kHz 1,000 MHz 1,000 MHz 1,000 MHz 200.0 kHz 200.0 kHz 100.0 kHz 22 26 -27 62 -31 89 -40 47 -36 26 -45 51 (-12.26) (-17.62) (-18.89) (-15.47) (-23.26) (-20.51) 5 107 M -6 500 M -10.50 M -16.56 M -10.01 M -15.01 M 5 100 M 8 320 M 10.50 M 16.38 M 10.01 M 15.06 M 5.100 MHz 6.500 MHz 10.50 MHz 15.50 MHz 10.00 MHz 15.00 MHz Stop Freq 6,500 MHz 10,00 MHz 15,00 MHz 20,00 MHz 10,50 MHz 15,50 MHz 2,000 MHz 200 0 kHz 1 000 MHz 1 000 MHz 1 000 MHz 200 0 kHz 200 0 kHz (-13 73) (-13 68) (-16 88) (-13 29) (-20 71) (-20 83) -5 100 M -8 688 M -10,50 M -16 90 M -10,01 M -15,01 M (-18.47) (-11.26) (-14.02) (-12.45) (-19.95) (-18.46) -31,60 -25,48 -31,52 -37,47 -37,47 -44,27 (-21.60) (-15.48) (-18.52) (-12.47) (-24.47) (-19.27) 28.47 -21.26 -27.02 -37.45 -32.95 -43.46 5.100 M 8.355 M 10.50 M 16.27 M 5G NR n7 10MHz BPSK Middle Channel RB50-0 5G NR n7 10MHz BPSK High Channel RB50-0

DATE: JULY 14, 2022

FCC ID: BCG-E8140A

> Center Fre Center Fre Span 50 MH nter 2,535 GHz Span 50 MH CF Step 5.000000 MHz CF Step 5.000000 MHz 20 00 kHz 1 000 MHz 1 000 MHz 1 000 MHz 1 000 MHz 100,0 kHz 100,0 kHz 9 000 MHz 11.50 MHz 17.00 MHz 25.00 MHz 12.50 MHz 22.50 MHz 20 00 kHz 1 000 MHz -22.04 -32.43 -43.16 -46.71 -51.47 -56.14 (-12,04) (-22,43) (-30,16) (-21,71) (-38,47) (-31,14) (--) 7.517 M -9.000 M -13.05 M -23.05 M -12.69 M -22.67 M 62 25 -46 77 -46 88 -47 24 -56 41 -56 77 (-52.25) (-36.77) (-33.88) (-22.24) (-43.41) (-31.77) 8 382 M 9 000 M 13 05 M 23 28 M 12 71 M 22 51 M (-11.93) (-23.67) (-29.16) (-21.51) 7.510 MHz 9.000 MHz 13.00 MHz B.404 M 5G NR n7 15MHz BPSK Low Channel RB1-0 5G NR n7 15MHz BPSK Middle Channel RB1-0 Center Fre Center Fre Span 50 MH CF Step 5.000000 MHz CF Step 5.000000 MHz 1 000 MHz 1 00.0 kHz 1 00.0 kHz 1 00.0 kHz -59 37 -46 56 -46 74 -47 20 -56 25 -56 72 -8 344 M -9 000 M -13 90 M -23,75 M -12 72 M -22 84 M (-13 30) (-24 45) (-30 45) (-21 76) (-38 48) (-31 34) 7,510 M 9 105 M 13,00 M 23,10 M 12,73 M 22,55 M 9 000 MHz 11 50 MHz 17 00 MHz 20 00 kHz 1 000 MHz 1 000 MHz 1 000 MHz 1 000 MHz -23 30 -34 45 -43 45 -46 76 -51 48 -56 34 7.510 M 9.000 MHz 13.00 MHz 5G NR n7 15MHz BPSK Low Channel RB1-78 5G NR n7 15MHz BPSK Middle Channel RB1-78 Ref Offset 13.1 dE Ref 30.0 dBm Ref Offset 13.1 dE Ref 30.0 dBm Center Fre Center Fre nter 2.508 GHz Span 50 MH nter 2.535 GHz Span 50 MH CF Step 5.000000 MHz CF Step 5.000000 MHz 9 000 MHz 11 50 MHz 17 00 MHz 25 00 MHz 12 50 MHz 22 50 MHz 25 00 MHz 1,000 MHz 1,000 MHz 1,000 MHz 1,000 MHz 1,000 MHz 1,000 MHz 7.650 MHz 9.000 MHz 13.00 MHz 23.00 MHz 12.50 MHz 22.50 MHz 9 000 MHz 12 50 MHz 22 50 MHz 25 00 MHz 13 00 MHz 23 00 MHz 300.0 kHz 1,000 MHz 1,000 MHz 1,000 MHz 300,0 kHz 300.0 kHz 26.58 -28.01 -28.23 -39.96 -36.38 -45.73 7 650 M -9 000 M -13 71 M -24 63 M -12 82 M -22 52 M 7 664 M 12 50 M 13 00 M 23 96 M 12 92 M 22 77 M -2636 -27.87 -29.60 -36.64 -2938 -2650 -2692 -3881 -3009 -4358 (-19.38) (-16.50) (-13.92) (-13.81) (-17.09) (-18.58) (-16.36) (-17.87) 7.650 M 5G NR n7 15MHz BPSK Low Channel RB75-0 5G NR n7 15MHz BPSK Middle Channel RB75-0

DATE: JULY 14, 2022

FCC ID: BCG-E8140A



DATE: JULY 14, 2022

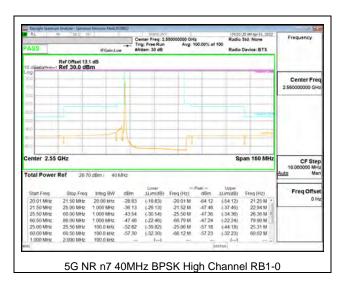












# 9.2.3. LTE BAND 12 AND 5G NR n12 EMISSION MASK

# **LIMITS**

FCC: §27.53

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

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REPORT NO: 14040863-E8V2 DATE: JULY 14, 2022 EUT MODEL: A2650 FCC ID: BCG-E8140A

# **LTE BAND 12 EMISSION MASK**



> 000 MHz Avg: 100.00% of 100 000 MHz Avg: 100.00% of 100 Center Fre 715.300000 MH Center Fre ter 715.3 MHz Freq Offs LTE B12 1.4MHz QPSK High Channel RB1-0 LTE B12 3MHz QPSK Low Channel RB1-0 Ref Offset 15.8 dB Ref 30.0 dBm Ref Offset 15.8 dB Ref 30.0 dBm Center Fre 715.300000 MH Center Fre CF Step 1.000000 MH LTE B12 1.4MHz QPSK High Channel RB1-5 LTE B12 3MHz QPSK Low Channel RB1-14 Center Fre 715.300000 MH Center Fre ter 715.3 MHz Span 10 MH CF Step 800,000 kHz CF Step 1.000000 MH LTE B12 1.4MHz QPSK High Channel RB6-0 LTE B12 3MHz QPSK Low Channel RB15-0

DATE: JULY 14, 2022

FCC ID: BCG-E8140A

> 000 MHz Avg: 100.00% of 100 000 MH2 Avg: 100.00% of 100 Center Fre Center Fre 714.500000 MH Freq Offse LTE B12 3MHz QPSK Middle Channel RB1-0 LTE B12 3MHz QPSK High Channel RB1-0 Ref Offset 15.8 dB Ref 30.0 dBm Center Fre Center Fre 714.500000 MH CF Step 1.000000 MH CF Step 1.000000 MH LTE B12 3MHz QPSK Middle Channel RB1-14 LTE B12 3MHz QPSK High Channel RB1-14 Center Fre 707.500000 MH Center Free 714.500000 MH ter 707.5 MHz Span 10 MH Span 10 MH CF Step CF Step 1.000000 MH 1.515 M 1.650 M

LTE B12 3MHz QPSK Middle Channel RB15-0

DATE: JULY 14, 2022

FCC ID: BCG-E8140A

LTE B12 3MHz QPSK High Channel RB15-0

REPORT NO: 14040863-E8V2

DATE: JULY 14, 2022 EUT MODEL: A2650 FCC ID: BCG-E8140A



> Center Fre 713.500000 MH Span 15 MH CF Step 1.500000 MHz CF Step 3.000000 MHz LTE B12 5MHz QPSK High Channel RB1-0 LTE B12 10MHz QPSK Low Channel RB1-0 Ref Offset 15.8 dB Ref 30.0 dBm Ref Offset 15.8 dB Ref 30.0 dBm Center Fre 713.500000 MH Center Fre ter 713.5 MHz ter 704 MHz Span 15 MH Span 30 MH LTE B12 5MHz QPSK High Channel RB1-24 LTE B12 10MHz QPSK Low Channel RB1-49 Ref Offset 15.8 dB Ref 30.0 dBm Center Fre CF Step 1.500000 MHz CF Step 3.000000 MHz

LTE B12 5MHz QPSK High Channel RB25-0

LTE B12 10MHz QPSK Low Channel RB50-0

FORM NO: CCSUP4031B

DATE: JULY 14, 2022

FCC ID: BCG-E8140A



DATE: JULY 14, 2022

# **5G NR n12 EMISSION MASK**



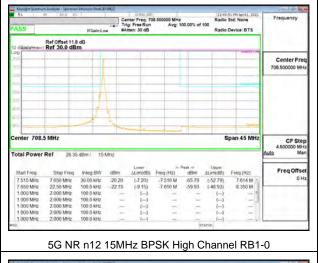


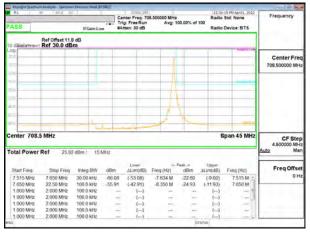
> Freq Offse 5G NR n12 10MHz BPSK Middle Channel RB1-0 5G NR n12 10MHz BPSK High Channel RB1-0 ter 707.5 MHz Span 30 MH Freq Offse 30 00 kHz 100 0 kHz 100 0 kHz 100 0 kHz 100 0 kHz 5,016 M 5,150 M 5G NR n12 10MHz BPSK Middle Channel RB1-51 5G NR n12 10MHz BPSK High Channel RB1-51 Ref Offset 11.8 dB Ref 30.0 dBm CF Step CF Ste 30 00 kHz 100 0 kHz 5.114 M 5.150 M 5G NR n12 10MHz BPSK Middle Channel RB50-0 5G NR n12 10MHz BPSK High Channel RB50-0

DATE: JULY 14, 2022

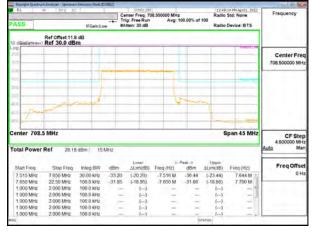
FCC ID: BCG-E8140A







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



# 9.2.4. LTE BAND 13 EMISSION MASK

#### **LIMITS**

FCC: §27.53

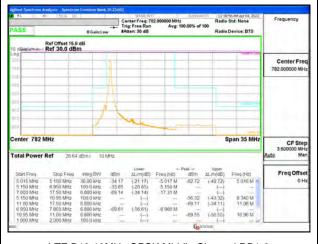
- (c )For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
- (2) 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 = -40dBm/MHz).

The RSS-140 the limit of -35dBm / 6.25 kHz is extended out to 806 MHz. The FCC Part 90 limit from 805 MHz to 806 MHz is -13dBm measured in 100kHz. The 6.25kHz measurement is a more stringent limit (equivalent to -25dBm / 100kHz) and therefore demonstrates compliance with both limits.



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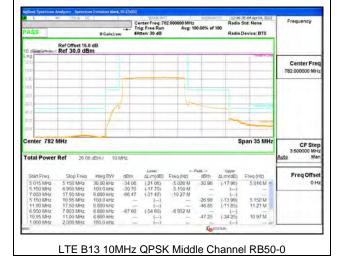
FCC ID: BCG-E8140A



LTE B13 10MHz QPSK Middle Channel RB1-0



LTE B13 10MHz QPSK Middle Channel RB1-49



# 9.2.5. LTE BAND 14 EMISSION MASK

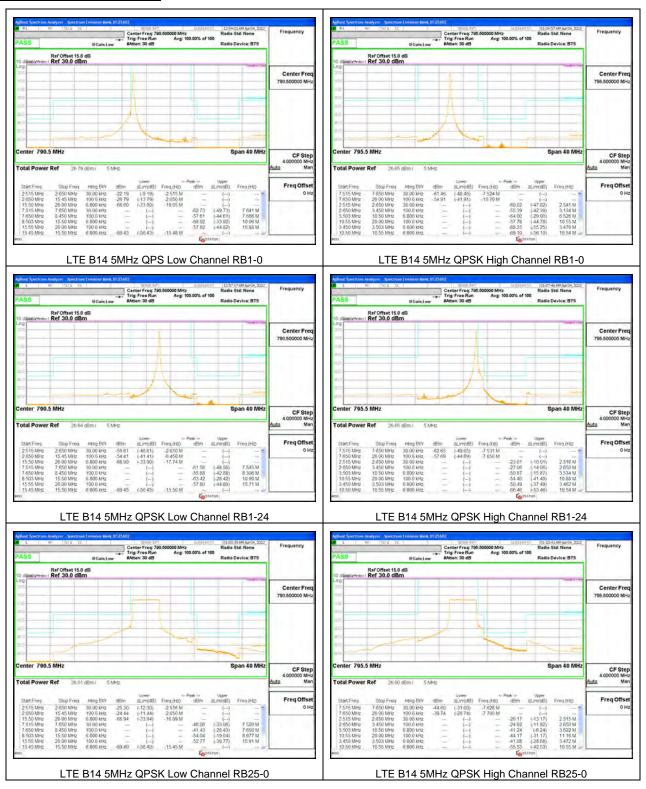
#### **LIMITS**

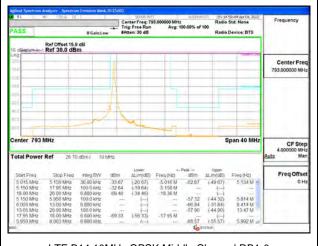
FCC: §90.543 Emission Limitations.

- (e) For operations in the 758-768 MHz and the 788-798 MHz bands, 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 all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.
- (4) Compliance with the provisions of paragraphs (e)(1) and (2) 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.
- (5) Compliance with the provisions of paragraph (e)(3) 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 30 kHz may be employed.
- (f) For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in 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. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

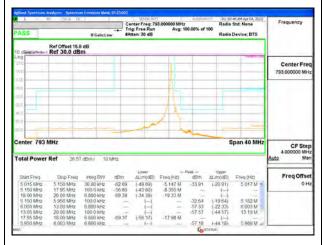
REPORT NO: 14040863-E8V2 DATE: JULY 14, 2022 EUT MODEL: A2650 FCC ID: BCG-E8140A

# **LTE BAND 14 EMISSION MASK**

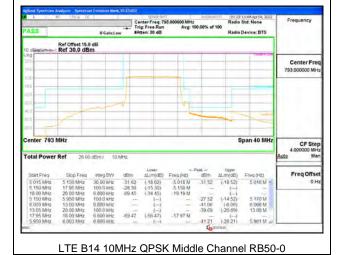




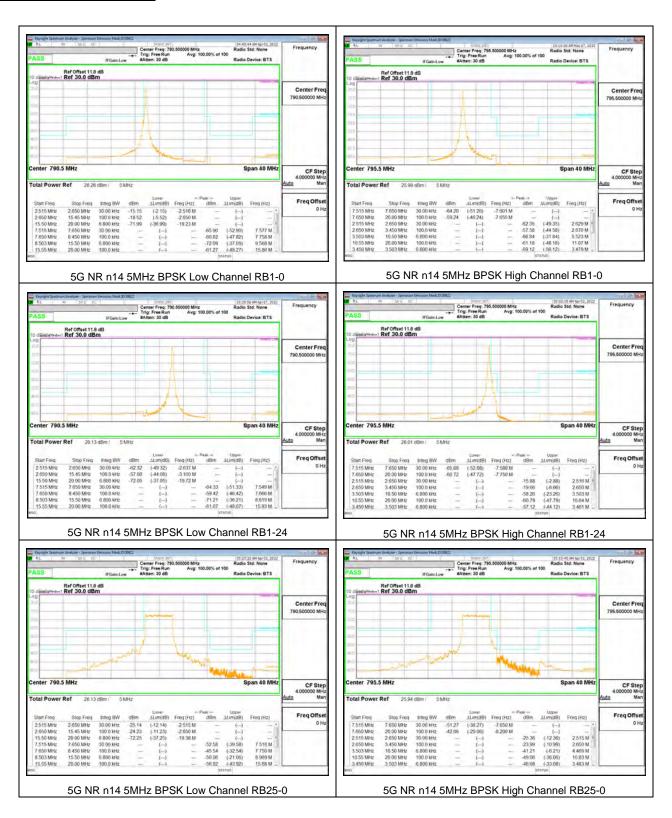
LTE B14 10MHz QPSK Middle Channel RB1-0

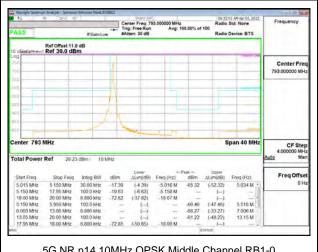


LTE B14 10MHz QPSK Middle Channel RB1-49

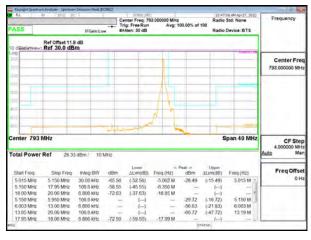


# **5G NR n14 EMISSION MASK**

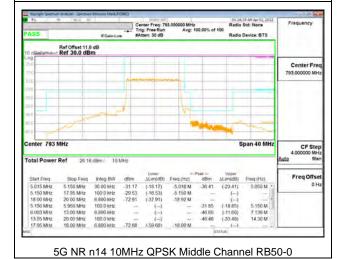




5G NR n14 10MHz QPSK Middle Channel RB1-0



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



# 9.2.6. LTE BAND 17 EMISSION MASK

# **LIMITS**

FCC: §27.53

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

> Center Fre Span 15 MH LTE B17 5MHz QPSK Low Channel RB1-0 LTE B17 5MHz QPSK High Channel RB1-24 Center Fro 706.500000 Mi Freq Offse LTE B17 5MHz QPSK Low Channel RB25-0 LTE B17 5MHz QPSK High Channel RB25-0

LTE B17 10MHz QPSK Low Channel RB1-0

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FCC ID: BCG-E8140A

LTE B17 10MHz QPSK High Channel RB1-49



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

# **LIMITS**

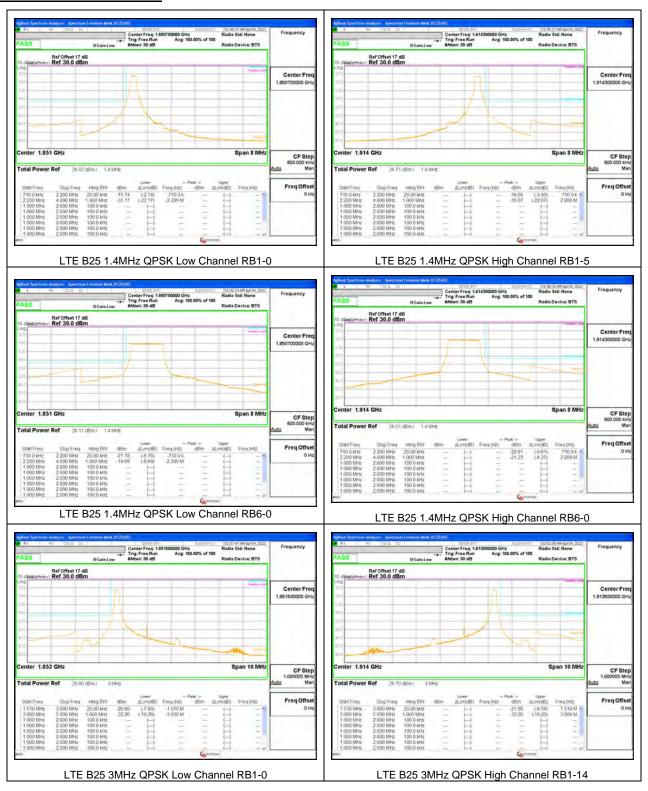
FCC: §24.238 (a)

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

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REPORT NO: 14040863-E8V2 DATE: JULY 14, 2022 EUT MODEL: A2650 FCC ID: BCG-E8140A

# **LTE BAND 25 EMISSION MASK**



REPORT NO: 14040863-E8V2 EUT MODEL: A2650

> Center Freq: 1.913500000 GHz Trig: Free Run Avg: 100.00% of 100 8Atten: 30 dB 000 GHz Avg: 100.00% of 100 Center Fre 1.851500000 GH Center Fre 1.913500000 GH CF Step 1,000000 MH Ma ter 1.852 GH Freq Offse LTE B25 3MHz QPSK Low Channel RB15-0 LTE B25 3MHz QPSK High Channel RB15-0 Center Freq: 1.8
> Trig: Free Run
> #Atten: 30 dB Ref Offset 17 dB Ref 30.0 dBm Ref Offset 17 dB Ref 30.0 dBm Center Fre Center Fre Span 15 MH CF Step 1.500000 MH CF Step 1.500000 MH LTE B25 5MHz QPSK Low Channel RB1-0 LTE B25 5MHz QPSK High Channel RB1-24 Center Fre Center Free 1,912500000 GH ter 1.853 GHz Span 15 MH Span 15 MH CF Step CF Step 1.500000 MH

LTE B25 5MHz QPSK Low Channel RB25-0

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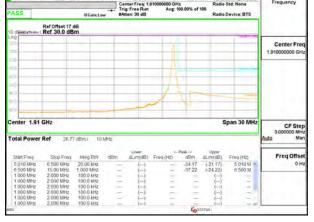
FCC ID: BCG-E8140A

LTE B25 5MHz QPSK High Channel RB25-0

REPORT NO: 14040863-E8V2

DATE: JULY 14, 2022 EUT MODEL: A2650 FCC ID: BCG-E8140A Center Freq: 1. Center Freq: 1.91 Trig: Free Run #Atten: 30 dB Ref Offset 17 dB Ref 30.0 dBm Ref Offset 17 dB Ref 30.0 dBm Center Fre Span 30 MH CF Ste CF Ste 3.000000 MH Freq Offs

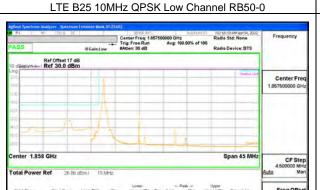




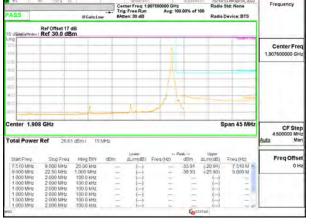
LTE B25 10MHz QPSK High Channel RB1-49

000 GHz Avg: 100.00% of 100 Center Fre CF Step 3.000000 M





LTE B25 10MHz QPSK High Channel RB50-0



LTE B25 15MHz QPSK Low Channel RB1-0

LTE B25 15MHz QPSK High Channel RB1-74

REPORT NO: 14040863-E8V2 EUT MODEL: A2650

> 0000 GHz Avg: 100.00% of 100 0000 GHz Avg: 100.00% of 100 Center Fre Center Fre CF Step 4.500000 MH Ma CF Step 4.500000 MHz Freq Offs LTE B25 15MHz QPSK Low Channel RB75-0 LTE B25 15MHz QPSK High Channel RB75-0 000 GHz Avg: 100.00% of 100 Center Freq: 1.
> Trig: Free Run
>
> #Atten: 30 dB Ref Offset 17 dB Ref 30.0 dBm Center Fre Center Fre CF Step 6.000000 MH CF Step 6.000000 MH LTE B25 20MHz QPSK Low Channel RB1-0: ID LTE B25 20MHz QPSK High Channel RB1-99: ID Center Fre Center Fre Span 60 MH CF Step CF Step 6.000000 MH

LTE B25 20MHz QPSK Low Channel RB100-0

DATE: JULY 14, 2022

FCC ID: BCG-E8140A

LTE B25 20MHz QPSK High Channel RB100-0

## **5G NR n25 EMISSION MASK**











# 9.2.8. LTE BAND 26 AND 5G NR n26 EMISSION MASK (FCC PART 90S)

### **LIMITS**

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

- (a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:
- (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.
- (2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

NOTE: According to 971168 D02 Misc Rev Approv License Devices v02r01, Section VIII (c): For Section 90.691(a) compliance testing, use RBW = 300 Hz for offsets less than 37.5 kHz from a channel edge; RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.

### **LTE BAND 26 EMISSION MASK**



REPORT NO: 14040863-E8V2 EUT MODEL: A2650

> Center Fre 815.500000 MH Center Fro 822.500000 M CF Step 1,000000 MH Freq Offs LTE B26 3MHz QPSK Low Channel RB15-0 LTE B26 3MHz QPSK High Channel RB15-0 Span 15 MH Span 15 MH CF Step 1.500000 MHz LTE B26 5MHz QPSK Low Channel RB1-0 LTE B26 5MHz QPSK High Channel RB1-24 Ref Offset 15.9 dB Ref 30.0 dBm Ref Offset 15.9 dB Ref 30.0 dBm Center Fre Span 15 Mi

LTE B26 5MHz QPSK Low Channel RB25-0

DATE: JULY 14, 2022

FCC ID: BCG-E8140A

LTE B26 5MHz QPSK High Channel RB25-0

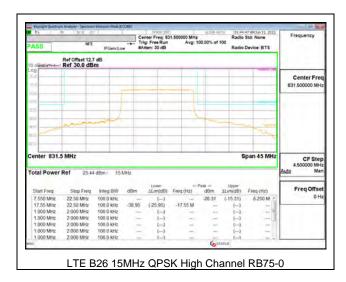
REPORT NO: 14040863-E8V2 EUT MODEL: A2650

> 00 MHz Avg: 100.00% of 100 00 MHz Avg: 100.00% of 100 Center Fre 819,000000 Mi Center Fro 819,000000 M CF Step Freq Offs LTE B26 10MHz QPSK Middle Channel RB1-0 LTE B26 10MHz QPSK Middle Channel RB1-49 ter 819 MHz CF Step 3.000000 MH CF Step 4.500000 MHz Freq Offs LTE B26 15MHz QPSK Low Channel RB1-0 LTE B26 10MHz QPSK Middle Channel RB50-0 CF Step 4.500000 M CF Step 4.500000 MHz Freq Offs LTE B26 15MHz QPSK Low Channel RB75-0

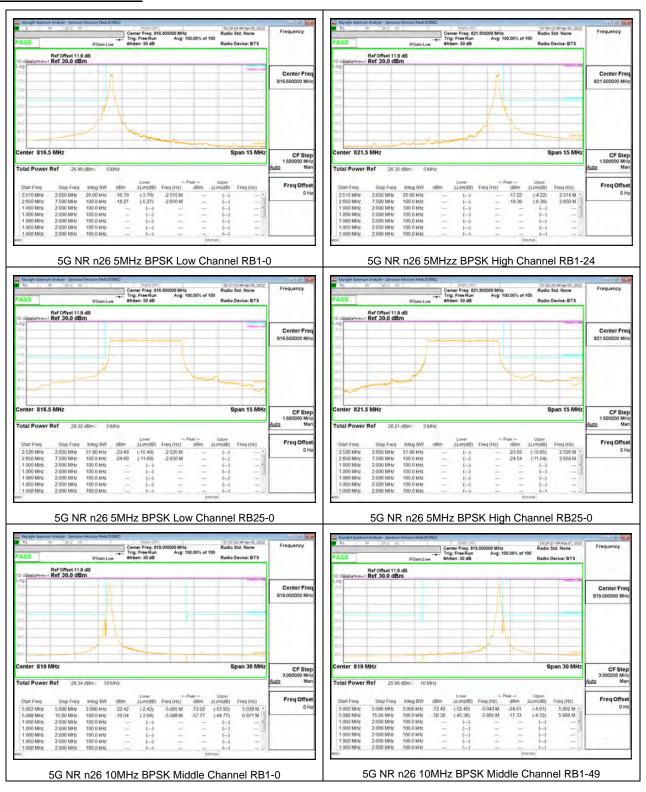
DATE: JULY 14, 2022

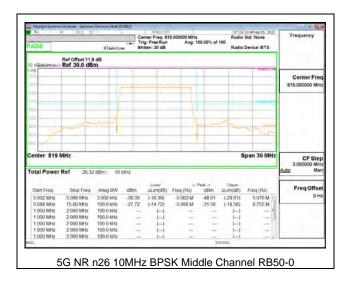
FCC ID: BCG-E8140A

LTE B26 15MHz QPSK High Channel RB1-78



### **5G NR n26 EMISSION MASK**





# 9.2.9. LTE BAND 30 AND 5G NR n30 EMISSION MASK AND ADJACENT CHANNEL POWER

### **LIMITS**

FCC: §27.53

- (a) For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:
- (4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
- (i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;
- (ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;
- (iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

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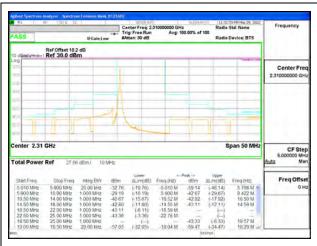
### **LTE BAND 30 EMISSION MASK**

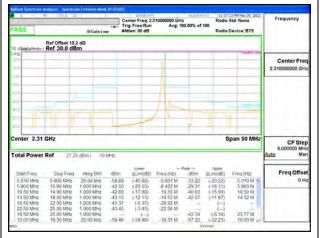


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LTE B30 10MHz QPSK High Channel RB1-49

LTE B30 10MHz QPSK Middle Channel RB1-0

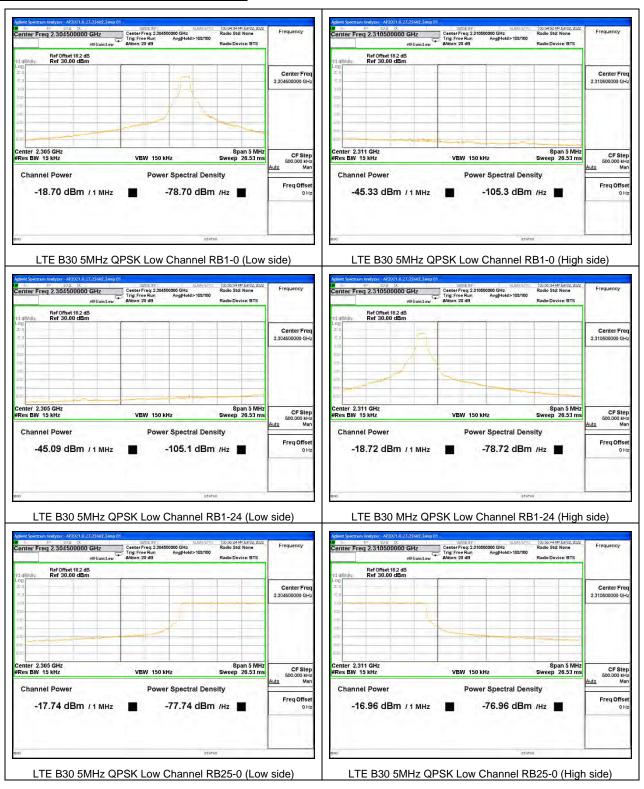


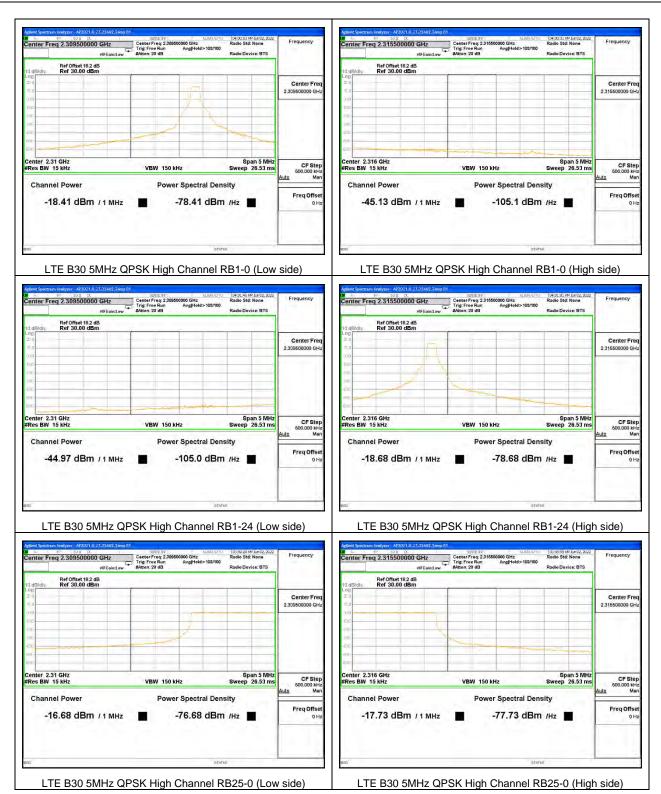
LTE B30 10MHz QPSK Middle Channel RB50-0

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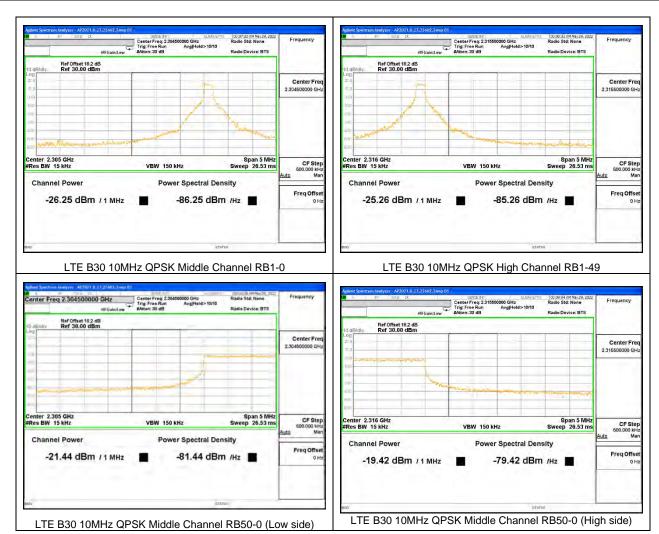
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## LTE BAND 30 ADJACENT CHANNEL POWER





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## **5G NR n30 EMISSION MASK**

