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Figure 8.3-9: Conducted spurious emissions of LTE 15 MHz top channel, single carrier operation

**Figure 8.3-10:** Conducted spurious emissions of LTE 20 MHz low channel, single carrier

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Figure 8.3-11: Conducted spurious emissions of LTE 20 MHz mid channel, single carrier operation

Figure 8.3-12: Conducted spurious emissions of LTE 20 MHz top channel, single carrier operation





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Figure 8.3-13: Conducted spurious emissions of LTE 5 MHz, three-carrier operation (non-contiguous)

**Figure 8.3-14:** Conducted spurious emissions of LTE 5 MHz four contiguous bottom channels, four-carrier operation



Figure 8.3-15: Conducted spurious emissions of LTE 5 MHz four contiguous mid channels, four-carrier operation



**Figure 8.3-16:** Conducted spurious emissions of LTE 5 MHz four contiguous top channels, four-carrier operation



**Figure 8.3-17:** Conducted spurious emissions of LTE 10 MHz two non-contiguous channels, two-carrier operation



**Figure 8.3-18:** Conducted spurious emissions of LTE 10 MHz two contiguous bottom channels, two-carrier operation



**Figure 8.3-19:** Conducted spurious emissions of LTE 10 MHz two contiguous mid channels, two-carrier operation



**Figure 8.3-20:** Conducted spurious emissions of LTE 10 MHz two contiguous top channels, two-carrier operation





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**Figure 8.3-21:** Conducted spurious emissions of LTE 15 MHz two noncontiguous channels, two-carrier operation

Figure 8.3-22: Conducted spurious emissions of LTE 15 MHz two contiguous top channels (sample), two-carrier operation



Figure 8.3-23: Conducted spurious emissions of LTE 20 MHz two noncontiguous channels, two-carrier operation



**Figure 8.3-24:** Conducted spurious emissions of LTE 20 MHz two contiguous top channels (sample), two-carrier operation



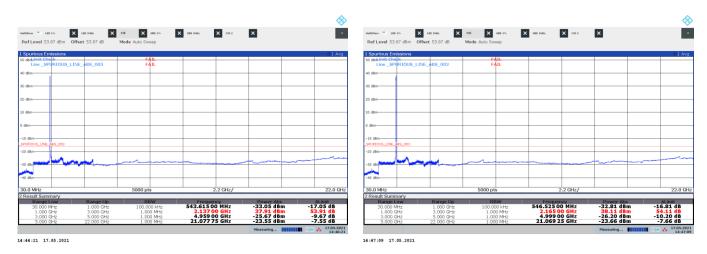


Figure 8.3-25: Conducted spurious emissions of LTE 10 MHz three contiguous bottom channels, three-carrier operation

Figure 8.3-26: Conducted spurious emissions of LTE 10 MHz three contiguous mid channels, three-carrier operation



Figure 8.3-27: Conducted spurious emissions of LTE 10 MHz three contiguous top channels, three-carrier operation





**Figure 8.3-28:** Conducted spurious emissions of NR 5 MHz low channel, single-carrier operation



Figure 8.3-29: Conducted spurious emissions of NR 5 MHz mid channel, single-carrier operation



Figure 8.3-30: Conducted spurious emissions of NR 5 MHz top channel, single-carrier operation



**Figure 8.3-31:** Conducted spurious emissions of NR 10 MHz low channel, single-carrier operation





**Figure 8.3-32:** Conducted spurious emissions of NR 10 MHz mid channel, single-carrier operation



Figure 8.3-33: Conducted spurious emissions of NR 10 MHz top channel, single-carrier operation



**Figure 8.3-34:** Conducted spurious emissions of NR 15 MHz low channel, single-carrier operation



**Figure 8.3-35:** Conducted spurious emissions of NR 15 MHz mid channel, single-carrier operation





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**Figure 8.3-36:** Conducted spurious emissions of NR 15 MHz top channel, single-carrier operation

Figure 8.3-37: Conducted spurious emissions of NR 20 MHz low channel, single-carrier operation



Figure 8.3-38: Conducted spurious emissions of NR 20 MHz mid channel, single-carrier operation



Figure 8.3-39: Conducted spurious emissions of NR 20 MHz top channel, single-carrier operation





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**Figure 8.3-40:** Conducted spurious emissions of NR 5 MHz three non-contiguous channels, three-carrier operation

**Figure 8.3-41:** Conducted spurious emissions of NR 5 MHz four contiguous bottom channels, four-carrier operation



**Figure 8.3-42:** Conducted spurious emissions of NR 5 MHz four contiguous mid channels, four-carrier operation



**Figure 8.3-43:** Conducted spurious emissions of NR 5 MHz four contiguous top channels, four-carrier operation



Figure 8.3-44: Conducted spurious emissions of NR 10 MHz two noncontiguous channels, two-carrier operation



Figure 8.3-45: Conducted spurious emissions of NR 10 MHz two contiguous bottom channels, two-carrier operation



**Figure 8.3-46:** Conducted spurious emissions of NR 10 MHz two contiguous mid channels, two-carrier operation



**Figure 8.3-47:** Conducted spurious emissions of NR 10 MHz two contiguous top channels, two-carrier operation





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Figure 8.3-48: Conducted spurious emissions of NR 15 MHz two noncontiguous channels, two-carrier operation

Figure 8.3-49: Conducted spurious emissions of NR 20 MHz two noncontiguous channels, two-carrier operation





**Figure 8.3-50:** Conducted spurious emissions of NR 10 MHz three contiguous bottom channels, three-carrier operation

**Figure 8.3-51:** Conducted spurious emissions of NR 10 MHz three contiguous mid channels, three-carrier operation



Figure 8.3-52: Conducted spurious emissions of NR 10 MHz three contiguous top channels, three-carrier operation





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Figure 8.3-53: Conducted spurious emissions of WCDMA low channel, singlecarrier operation

**Figure 8.3-54:** Conducted spurious emissions of WCDMA mid channel, single-carrier operation



**Figure 8.3-55:** Conducted spurious emissions of WCDMA top channel, single-carrier operation

Figure 8.3-56: Conducted spurious emissions of multi-RAT operation, 4×LTE 5 MHz + NR 5 MHz + WCDMA (bottom)





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**Figure 8.3-57:** Conducted spurious emissions of multi-RAT operation, 4×LTE 5 MHz + NR 5 MHz + WCDMA (mid)

**Figure 8.3-58:** Conducted spurious emissions of multi-RAT operation, 4×LTE 5 MHz + NR 5 MHz + WCDMA (top)



Figure 8.3-59: Conducted spurious emissions of multi-RAT operation, LTE 5

MHz and WCDMA and NR 10 MHz



Figure 8.3-60: Conducted spurious emissions of multi-RAT operation, LTE 10
MHz and NR 5 MHz and WCDMA (bottom)







Figure 8.3-61: Conducted spurious emissions of multi-RAT operation, LTE 10
MHz and NR 5 MHz and WCDMA (mid)

Figure 8.3-62: Conducted spurious emissions of multi-RAT operation, LTE 10 MHz and NR 5 MHz and WCDMA (top)



**Figure 8.3-63:** Conducted spurious emissions of multi-RAT operation, LTE 10 MHz and NR 10 MHz

Figure 8.3-64: Conducted spurious emissions of multi-RAT operation, LTE 10
MHz and WCDMA and NR 5 MHz





Figure 8.3-65: Conducted spurious emissions of multi-RAT operation, LTE 15

MHz + NR 5 MHz (bottom)

**Figure 8.3-66:** Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + NR 5 MHz (mid)



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**Figure 8.3-67:** Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + NR 5 MHz (top)

**Figure 8.3-68:** Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + WCDMA (bottom)





**Figure 8.3-69:** Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + WCDMA (mid)

Figure 8.3-70: Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + WCDMA (top)



Figure 8.3-71: Conducted spurious emissions of multi-RAT operation, NR 5 MHz and 4×LTE 5 MHz and WCDMA (bottom)

Figure 8.3-72: Conducted spurious emissions of multi-RAT operation, NR 5

MHz and 4×LTE 5 MHz and WCDMA (top)





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Figure 8.3-73: Conducted spurious emissions of multi-RAT operation, NR 10 MHz and LTE 5 MHz and WCDMA (low)

Figure 8.3-74: Conducted spurious emissions of multi-RAT operation, NR 10 MHz and LTE 5 MHz and WCDMA (mid)



MHz and LTE 5 MHz and WCDMA (top)



Figure 8.3-76: Conducted spurious emissions of multi-RAT operation, NR 15 MHz + LTE 5 MHz (bottom)





**Figure 8.3-77:** Conducted spurious emissions of multi-RAT operation, NR 15 MHz + LTE 5 MHz (mid)

Figure 8.3-78: Conducted spurious emissions of multi-RAT operation, NR 15

MHz + LTE 5 MHz (top)

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Figure 8.3-79: Conducted spurious emissions of multi-RAT operation, NR 15 MHz + WCDMA (bottom)



**Figure 8.3-80:** Conducted spurious emissions of multi-RAT operation, NR 15 MHz + WCDMA (mid)





Figure 8.3-81: Conducted spurious emissions of multi-RAT operation, NR 15

MHz + WCDMA (top)

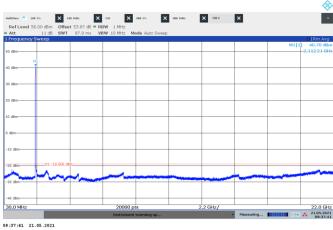


Figure 8.3-82: Conducted spurious emissions of multi-RAT operation, WCDMA and LTE 10 MHz and NR 5 MHz (bottom)



Figure 8.3-83: Conducted spurious emissions of multi-RAT operation, WCDMA and LTE 15 MHz



Figure 8.3-84: Conducted spurious emissions of multi-RAT operation, WCDMA and NR 5 MHz and 4×LTE 5 MHz



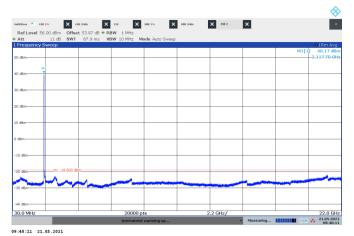


Figure 8.3-85: Conducted spurious emissions of multi-RAT operation, WCDMA and NR 10 MHz and LTE 5 MHz



Figure 8.3-86: Conducted spurious emissions of multi-RAT operation, WCDMA and NR 15 MHz (non-contiguous)



Figure 8.3-87: Conducted spurious emissions of multi-RAT operation, WCDMA and NR 15 MHz (contiguous)



Figure 8.3-88: Conducted spurious emissions of multi-RAT operation, WCDMA + LTE 15 MHz and NR 5 MHz and NR 5 MHz + LTE 5 MHz + NR 5 MHz



#### On the plots below the measured Tx1 (Ref) value in the "Power" column must be -19 dBm and lower.



Figure 8.3-89: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Single-carrier operation
Meas. BW: 1% of EBW Tech.: LTE 5 MHz with IB

Limit: -19 dBm/50 kHz Notes: None

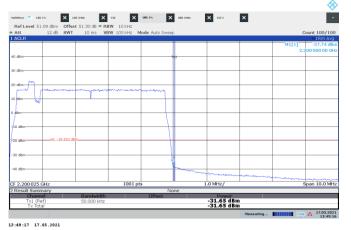
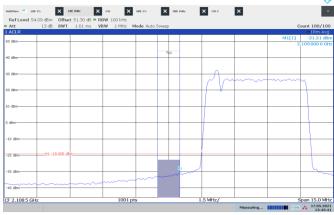


Figure 8.3-91: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Single-carrier operation
Meas. BW: 1% of EBW Tech.: LTE 5 MHz with IB
Limit: -19 dBm/50 kHz Notes: None

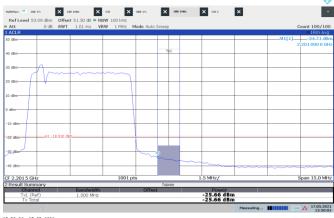


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Figure 8.3-90: Conducted emission 1 MHz away from the lower band edge

Frequency: 2109 MHz Mode: Single-carrier operation
Meas. BW: 1 MHz Tech.: LTE 5 MHz with IB

Limit: −19 dBm/MHz Notes: Measured result is < −22 dBm/MHz



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Figure 8.3-92: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Single-carrier operation
Meas. BW: 1 MHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/MHz Notes: None



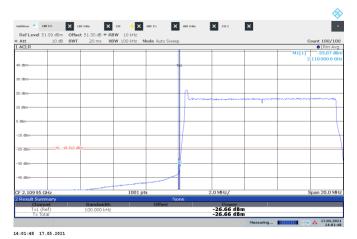


Figure 8.3-93: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Single-carrier operation
Meas. BW: 1% of EBW Tech.: LTE 10 MHz with IoT

Limit: -19 dBm/100 kHz Notes: None

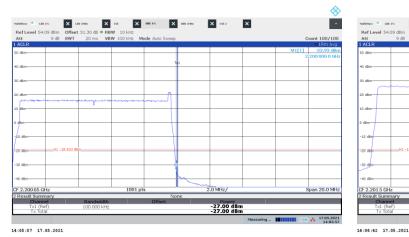


Figure 8.3-95: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Single-carrier operation
Meas. BW: 1% of EBW Tech.: LTE 10 MHz with IoT
Limit: -19 dBm/100 kHz Notes: None

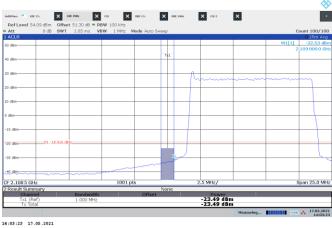


Figure 8.3-94: Conducted emission 1 MHz away from the lower band edge

Frequency: 2109 MHz Mode: Single-carrier operation
Meas. BW: 1 MHz Tech.: LTE 10 MHz with IoT
Limit: -19 dBm/MHz Notes: None

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Figure 8.3-96: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Single-carrier operation
Meas. BW: 1 MHz Tech.: LTE 10 MHz with IoT
Limit: -19 dBm/MHz Notes: None

Report reference ID: 421910-1TRFWL-R1



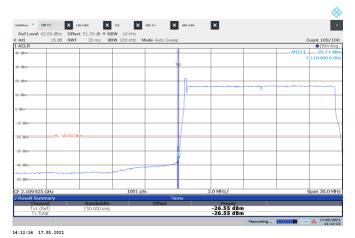


Figure 8.3-97: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Single-carrier operation
Meas. BW: 1% of EBW Tech.: LTE 15 MHz with IoT

Limit: -19 dBm/150 kHz Notes: None

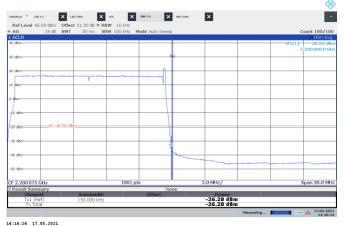
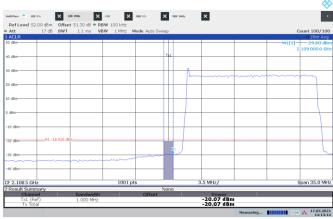


Figure 8.3-99: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Single-carrier operation
Meas. BW: 1% of EBW Tech.: LTE 15 MHz with IoT
Limit: -19 dBm/150 kHz Notes: None

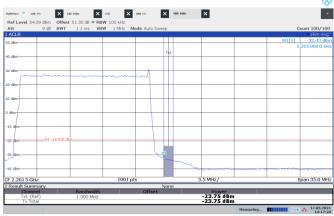


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Figure 8.3-98: Conducted emission 1 MHz away from the lower band edge

Frequency:2109 MHzMode:Single-carrier operationMeas. BW:1 MHzTech.:LTE 15 MHz with IoT

Limit: -19 dBm/MHz Notes: None



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Figure 8.3-100: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Single-carrier operation
Meas. BW: 1 MHz Tech.: LTE 15 MHz with IoT

Limit: -10 dRm/MHz Notes: None

Limit: -19 dBm/MHz Notes: None



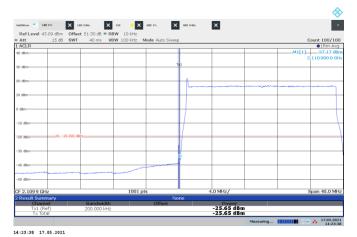


Figure 8.3-101: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Single-carrier operation
Meas. BW: 1% of EBW Tech.: LTE 20 MHz with IoT

Limit: -19 dBm/200 kHz Notes: None

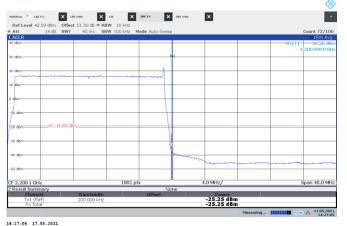
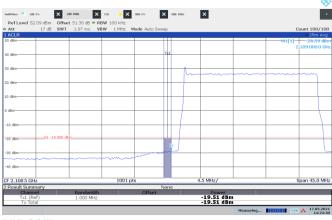


Figure 8.3-103: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Single-carrier operation
Meas. BW: 1% of EBW Tech.: LTE 20 MHz with IoT
Limit: -19 dBm/200 kHz Notes: None



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Figure 8.3-102: Conducted emission 1 MHz away from the lower band edge

Frequency: 2109 MHz Mode: Single-carrier operation
Meas. BW: 1 MHz Tech.: LTE 20 MHz with IoT
Limit: -19 dBm/MHz Notes: None

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Figure 8.3-104: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Single-carrier operation
Meas. BW: 1 MHz Tech.: LTE 20 MHz with IoT
Limit: -19 dBm/MHz Notes: None





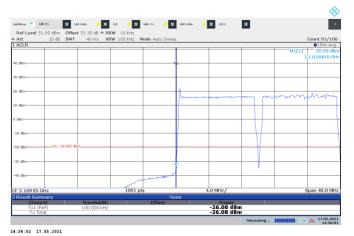


Figure 8.3-105: Conducted emission at the lower band edge

2110 MHz Mode: Multi-carrier operation Frequency: Meas. BW: 1% of EBW Tech.: 2 × LTE 10 MHz with IoT

Limit: -19 dBm/100 kHz Notes:

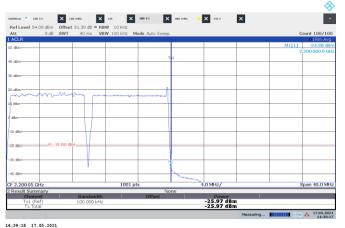
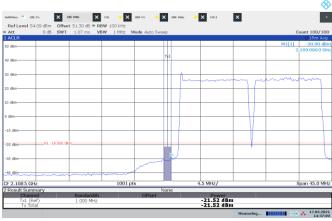


Figure 8.3-107: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Multi-carrier operation Meas. BW: 1% of EBW 2 × LTE 10 MHz with IoT Tech.:

-19 dBm/100 kHz Limit: Notes: None

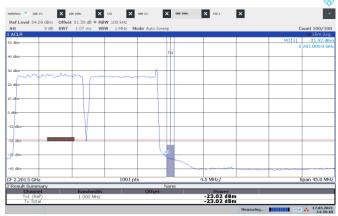


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Figure 8.3-106: Conducted emission 1 MHz away from the lower band edge

2109 MHz Multi-carrier operation Frequency: Mode: Meas. BW: 1 MHz Tech.: 2 × LTE 10 MHz with IoT

Limit: -19 dBm/MHz Notes: None



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Figure 8.3-108: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Multi-carrier operation Meas. BW: 2 × LTE 10 MHz with IoT 1 MHz Tech.:

−19 dBm/MHz Limit: Notes: None



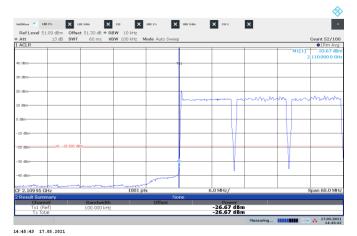


Figure 8.3-109: Conducted emission at the lower band edge

Mode: Multi-carrier operation 2110 MHz Frequency: Meas. BW: 1% of EBW Tech.: 3 × LTE 10 MHz with IoT

Limit: -19 dBm/100 kHz Notes:

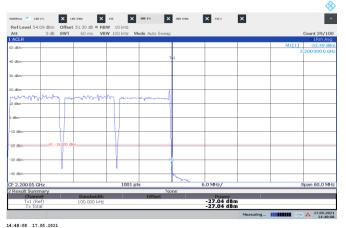
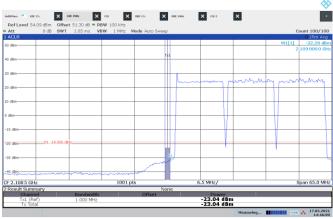


Figure 8.3-111: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Multi-carrier operation Meas. BW: 1% of EBW 3 × LTE 10 MHz with IoT Tech.:

-19 dBm/100 kHz Limit: Notes: None

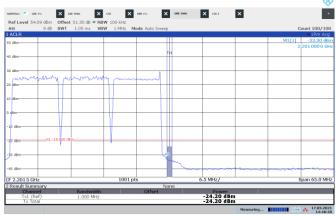


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Figure 8.3-110: Conducted emission 1 MHz away from the lower band edge

2109 MHz Multi-carrier operation Frequency: Mode: Meas. BW: 1 MHz Tech.: 3 × LTE 10 MHz with IoT

Limit: -19 dBm/MHz Notes: None



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Figure 8.3-112: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Multi-carrier operation Meas. BW: 3 × LTE 10 MHz with IoT 1 MHz Tech.:

−19 dBm/MHz Limit: Notes: None





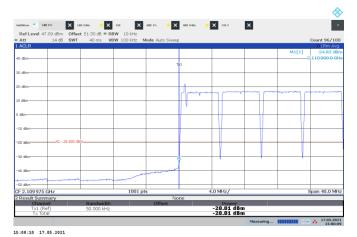


Figure 8.3-113: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Multi-carrier operation Meas. BW: 1% of EBW Tech.: 4 × LTE 5 MHz with IB

Limit: -19 dBm/50 kHz Notes: No.

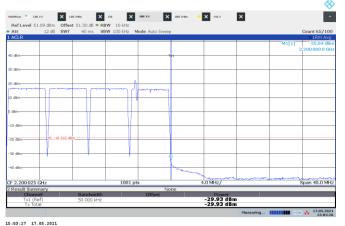
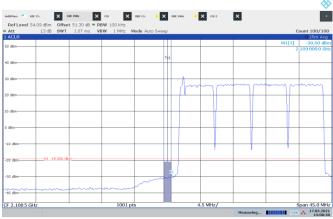


Figure 8.3-115: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Multi-carrier operation
Meas. BW: 1% of EBW Tech.: 4 × LTE 5 MHz with IB
Limit: -19 dBm/50 kHz Notes: None



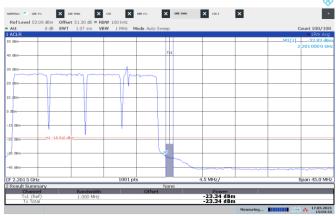
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Figure 8.3-114: Conducted emission 1 MHz away from the lower band edge

 Frequency:
 2109 MHz
 Mode:
 Multi-carrier operation

 Meas. BW:
 1 MHz
 Tech.:
 4 × LTE 5 MHz with IB

Limit: -19 dBm/MHz Notes: Measured result is < -21 dBm/MHz



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Figure 8.3-116: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Multi-carrier operation
Meas. BW: 1 MHz Tech.: 4 × LTE 5 MHz with IB
Limit: -19 dBm/MHz Notes: None





Figure 8.3-117: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Single-carrier operation

Meas. BW: 1% of EBW Tech.: NR 5 MHz Limit: -19 dBm/50 kHz Notes: None



Figure 8.3-119: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Single-carrier operation

Meas. BW: 1% of EBW Tech.: NR 5 MHz Limit: -19 dBm/50 kHz Notes: None

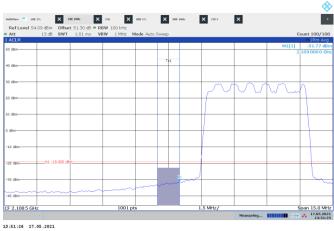


Figure 8.3-118: Conducted emission 1 MHz away from the lower band edge

Frequency: 2109 MHz Mode: Single-carrier operation

Meas. BW: 1 MHz Tech.: NR 5 MHz

Limit: -19 dBm/MHz Notes: Measured result is < 23 dBm/MHz

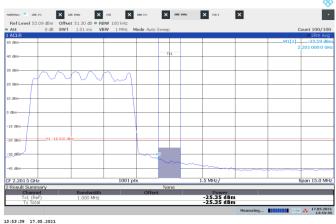


Figure 8.3-120: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Single-carrier operation

Meas. BW: 1 MHz Tech.: NR 5 MHz Limit: -19 dBm/MHz Notes: None



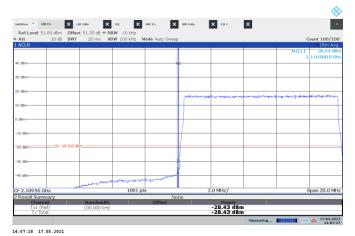


Figure 8.3-121: Conducted emission at the lower band edge

2110 MHz Mode: Frequency: Single-carrier operation

Meas. BW: 1% of EBW Tech.: NR 10 MHz Limit: -19 dBm/100 kHz Notes: None

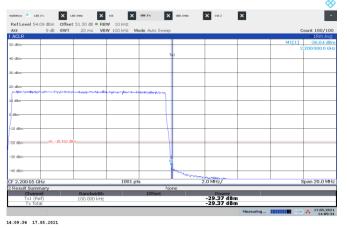


Figure 8.3-123: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Single-carrier operation

Meas. BW: 1% of EBW NR 10 MHz Tech.: -19 dBm/100 kHz Limit: Notes: None

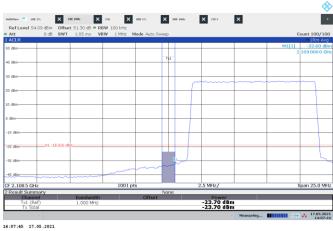
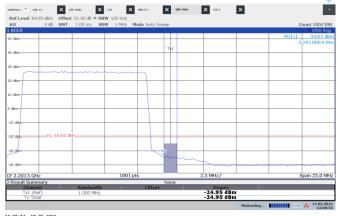


Figure 8.3-122: Conducted emission 1 MHz away from the lower band edge

2109 MHz Single-carrier operation Frequency: Mode:

NR 10 MHz Meas. BW: 1 MHz Tech.: Limit: -19 dBm/MHz Notes: None



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Figure 8.3-124: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Single-carrier operation

Meas. BW: NR 10 MHz 1 MHz Tech.: −19 dBm/MHz Limit: Notes: None