

Test data, continued



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

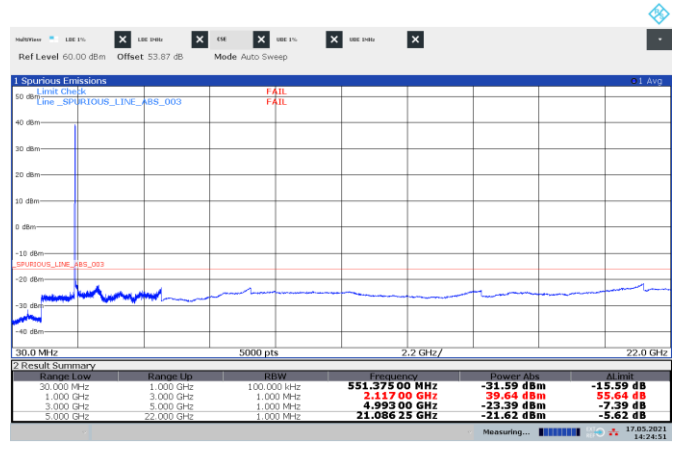


Figure 8.3-10: Conducted spurious emissions of LTE 20 MHz low channel, single carrier



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

Test data, continued

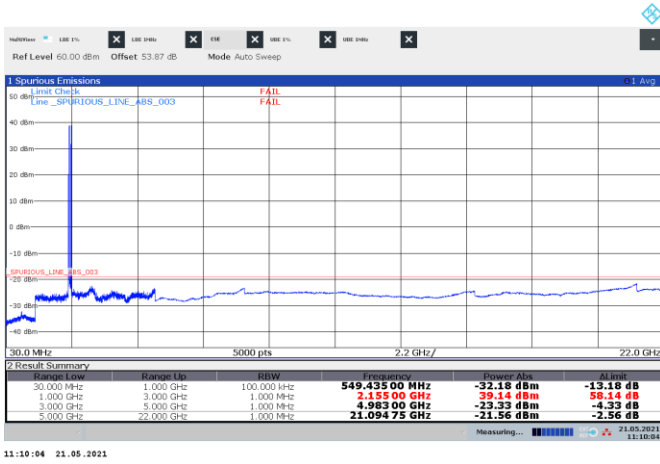


Figure 8.3-13: Conducted spurious emissions of LTE 5 MHz, three-carrier operation (non-contiguous)

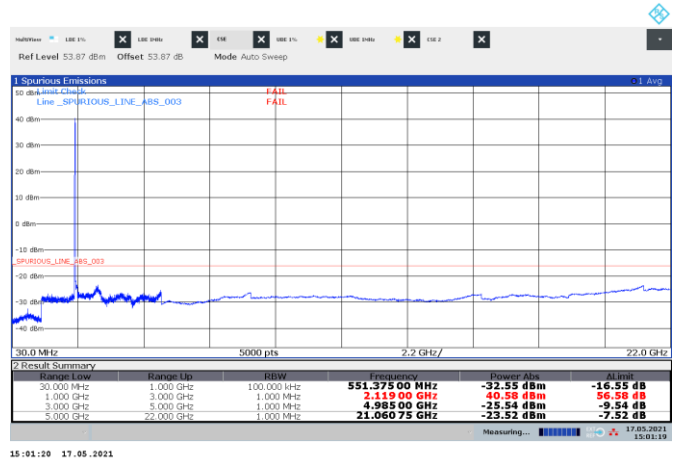


Figure 8.3-14: Conducted spurious emissions of LTE 5 MHz four contiguous bottom channels, four-carrier operation

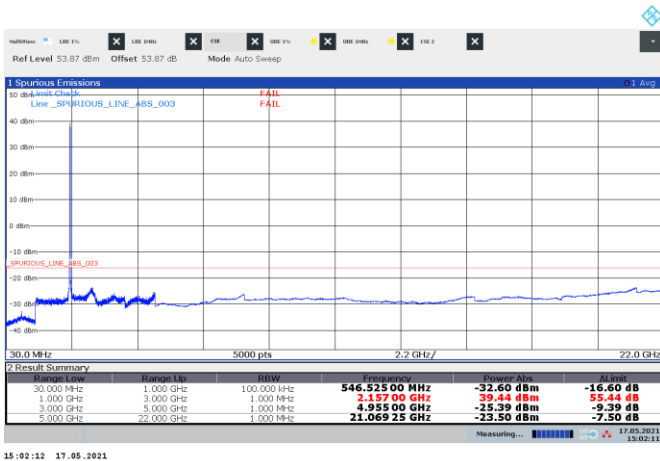


Figure 8.3-15: Conducted spurious emissions of LTE 5 MHz four contiguous mid channels, four-carrier operation

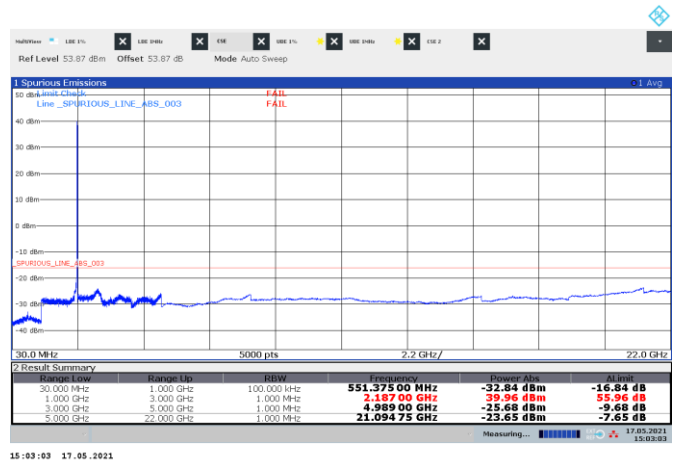


Figure 8.3-16: Conducted spurious emissions of LTE 5 MHz four contiguous top channels, four-carrier operation

Test data, continued

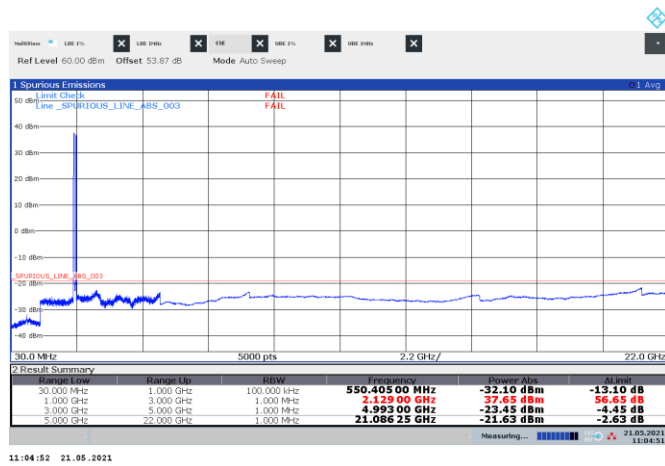


Figure 8.3-17: Conducted spurious emissions of LTE 10 MHz two non-contiguous channels, two-carrier operation

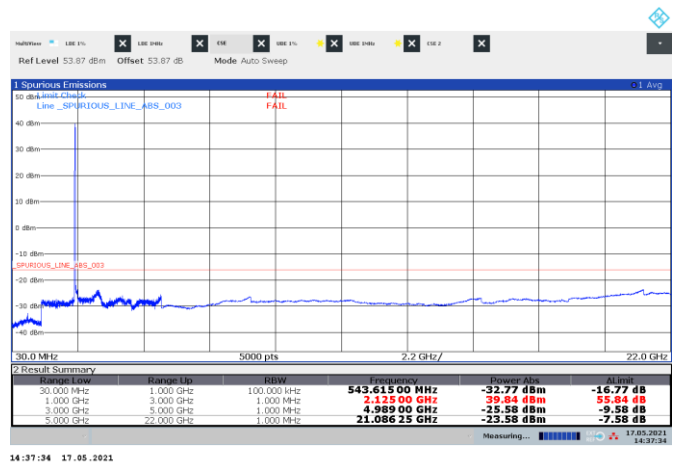


Figure 8.3-18: Conducted spurious emissions of LTE 10 MHz two contiguous bottom channels, two-carrier operation

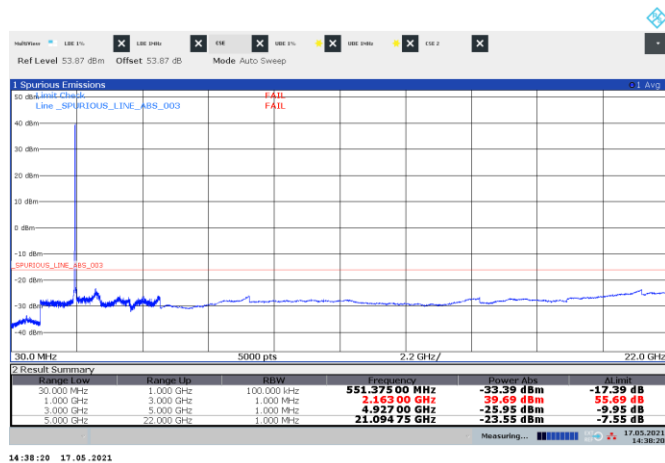


Figure 8.3-19: Conducted spurious emissions of LTE 10 MHz two contiguous mid channels, two-carrier operation

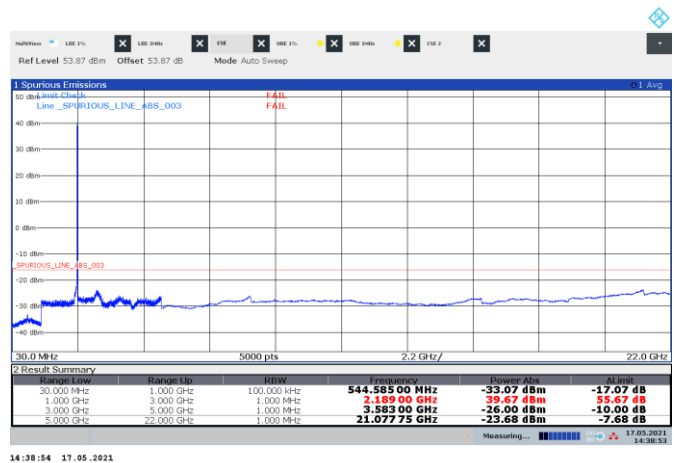


Figure 8.3-20: Conducted spurious emissions of LTE 10 MHz two contiguous top channels, two-carrier operation

Test data, continued

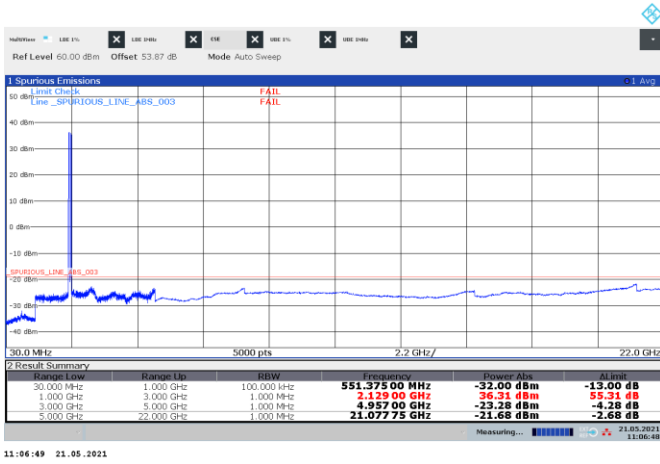


Figure 8.3-21: Conducted spurious emissions of LTE 15 MHz two non-contiguous channels, two-carrier operation

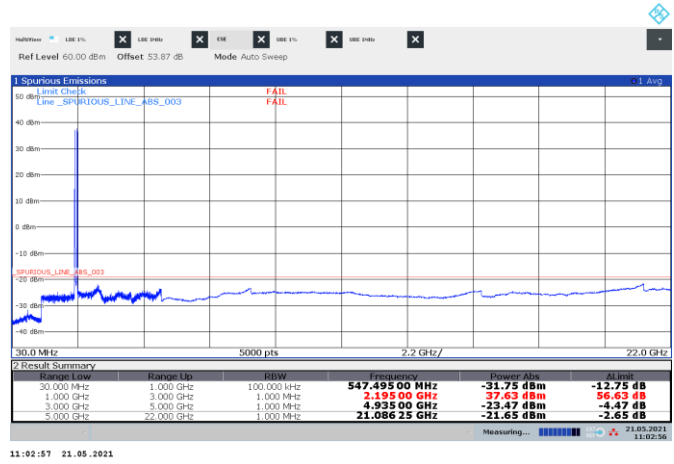


Figure 8.3-22: Conducted spurious emissions of LTE 15 MHz two contiguous top channels (sample), two-carrier operation

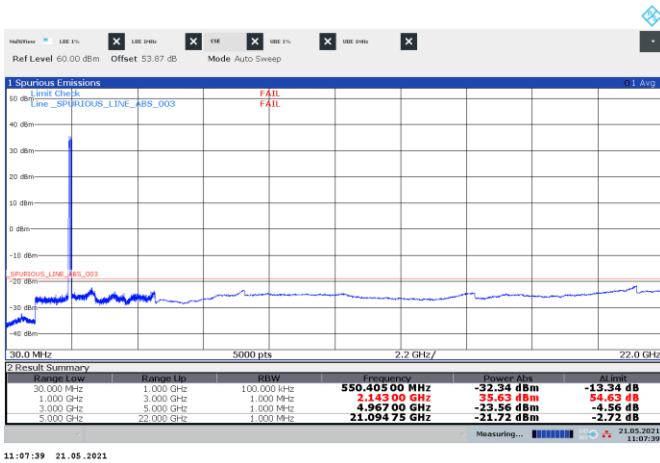


Figure 8.3-23: Conducted spurious emissions of LTE 20 MHz two non-contiguous channels, two-carrier operation

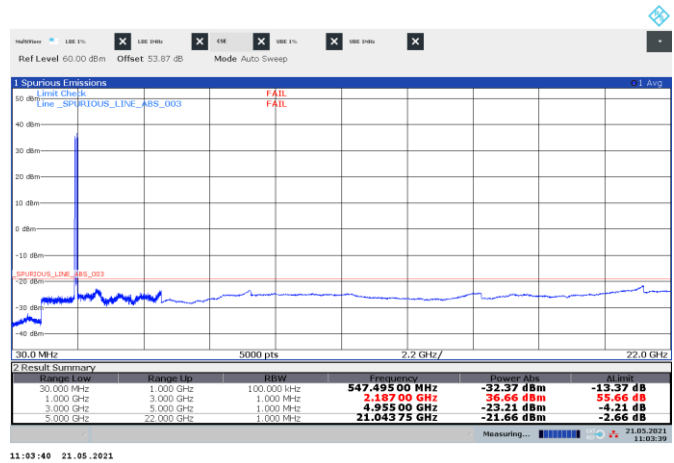


Figure 8.3-24: Conducted spurious emissions of LTE 20 MHz two contiguous top channels (sample), two-carrier operation

Test data, continued



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

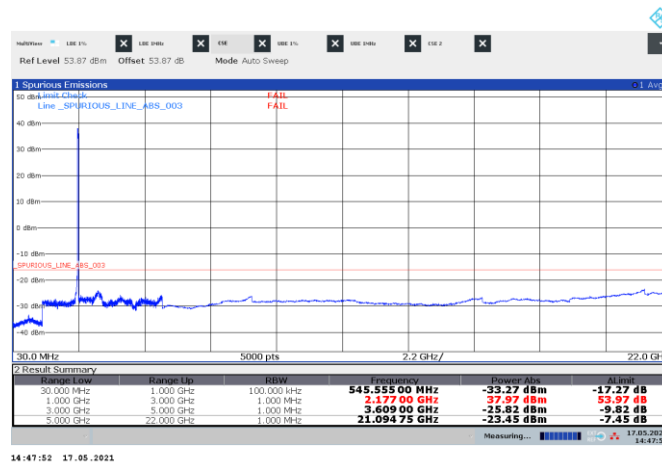


Figure 8.3-27: Conducted spurious emissions of LTE 10 MHz three contiguous top channels, three-carrier operation

Test data, continued

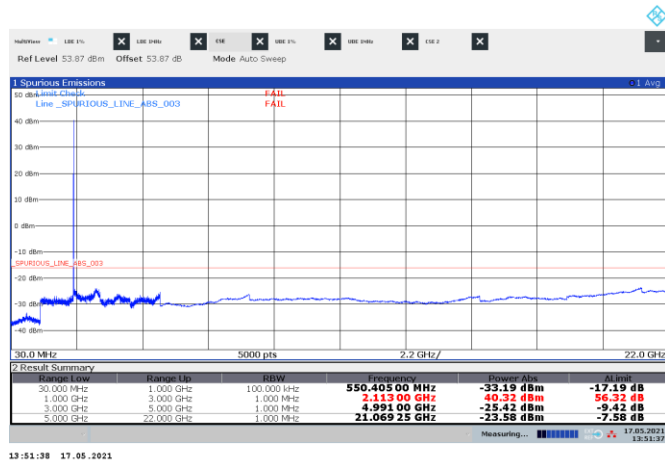


Figure 8.3-28: Conducted spurious emissions of NR 5 MHz low channel, single-carrier operation

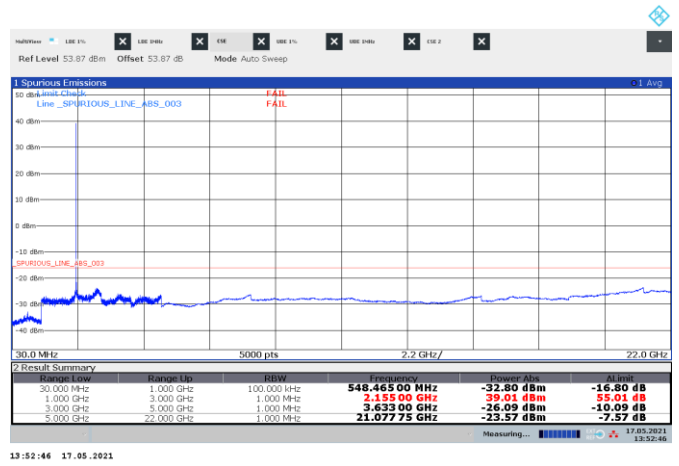


Figure 8.3-29: Conducted spurious emissions of NR 5 MHz mid channel, single-carrier operation

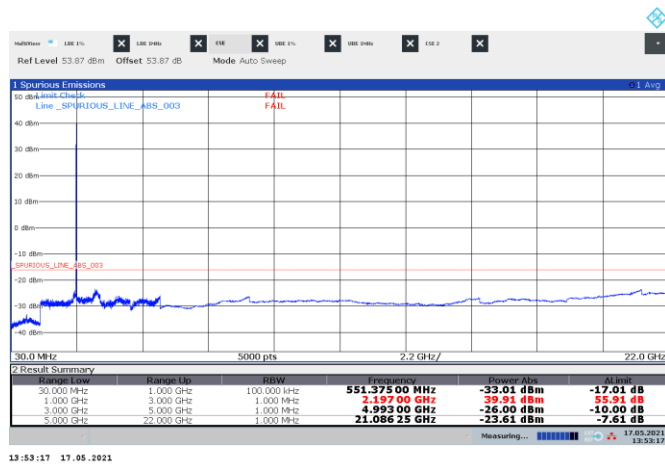


Figure 8.3-30: Conducted spurious emissions of NR 5 MHz top channel, single-carrier operation

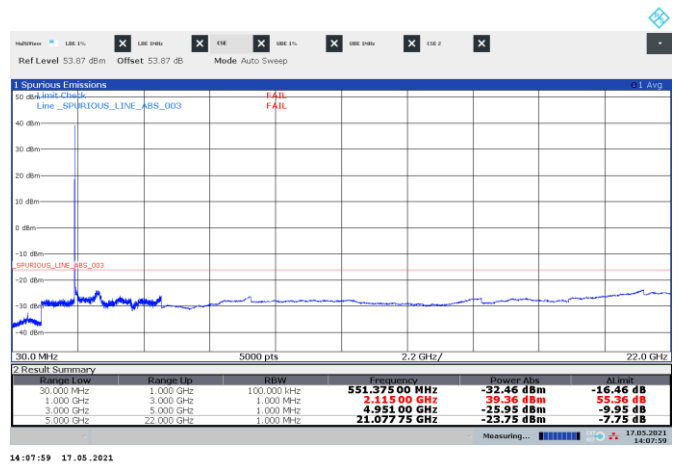


Figure 8.3-31: Conducted spurious emissions of NR 10 MHz low channel, single-carrier operation

Test data, continued

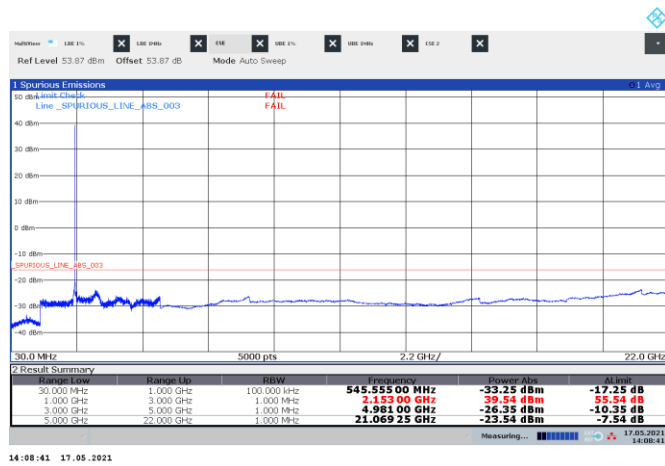


Figure 8.3-32: Conducted spurious emissions of NR 10 MHz mid channel, single-carrier operation



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

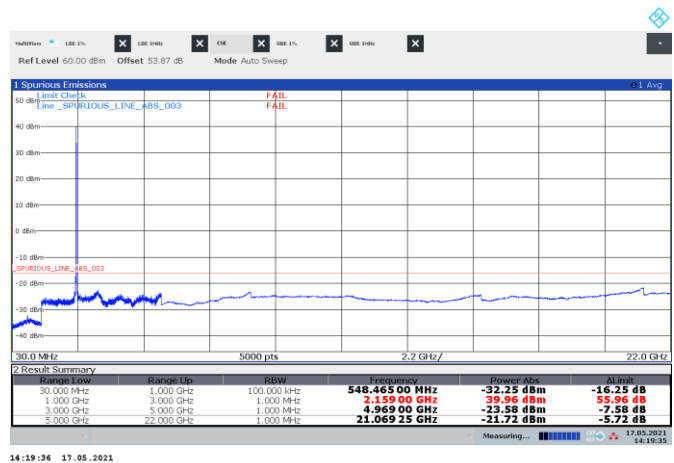


Figure 8.3-35: Conducted spurious emissions of NR 15 MHz mid channel, single-carrier operation

Test data, continued

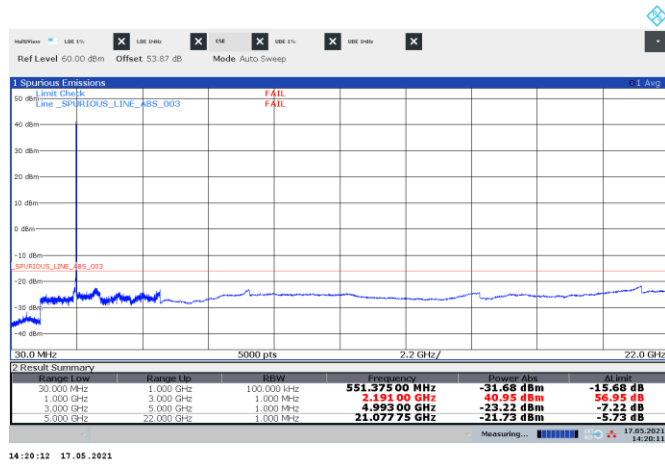


Figure 8.3-36: Conducted spurious emissions of NR 15 MHz top channel, single-carrier operation

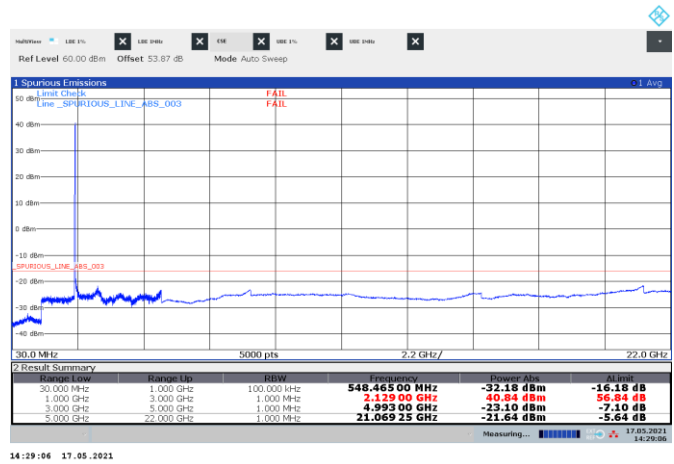


Figure 8.3-37: Conducted spurious emissions of NR 20 MHz low channel, single-carrier operation



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

Test data, continued

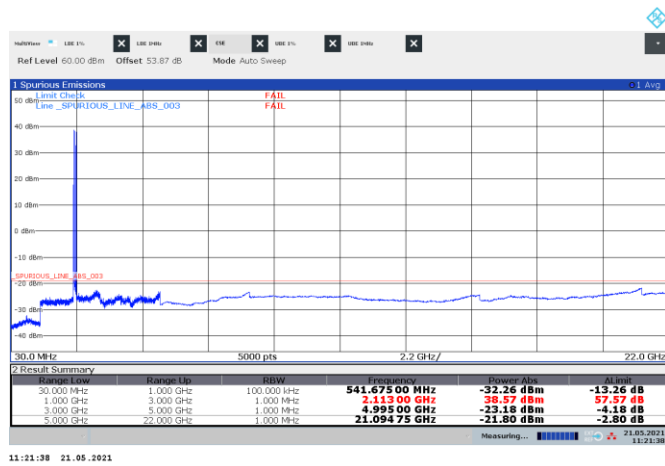


Figure 8.3-40: Conducted spurious emissions of NR 5 MHz three non-contiguous channels, three-carrier operation

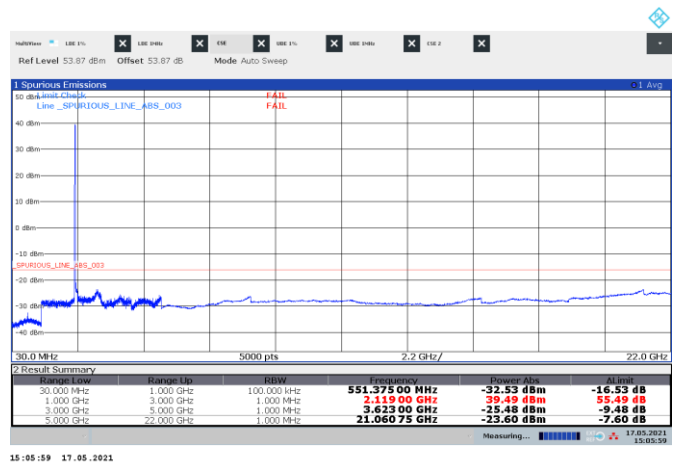


Figure 8.3-41: Conducted spurious emissions of NR 5 MHz four contiguous bottom channels, four-carrier operation

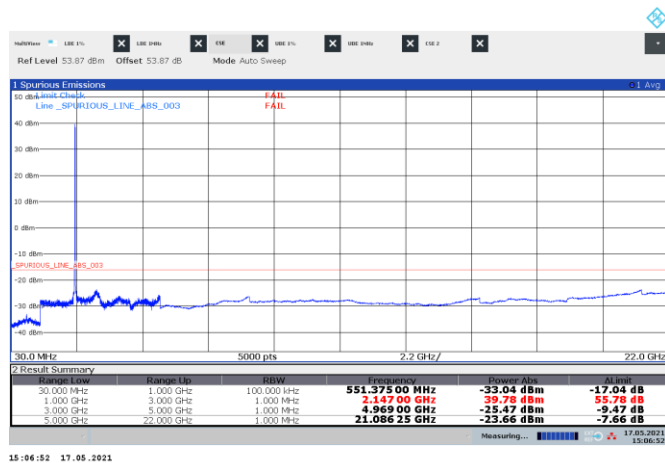


Figure 8.3-42: Conducted spurious emissions of NR 5 MHz four contiguous mid channels, four-carrier operation

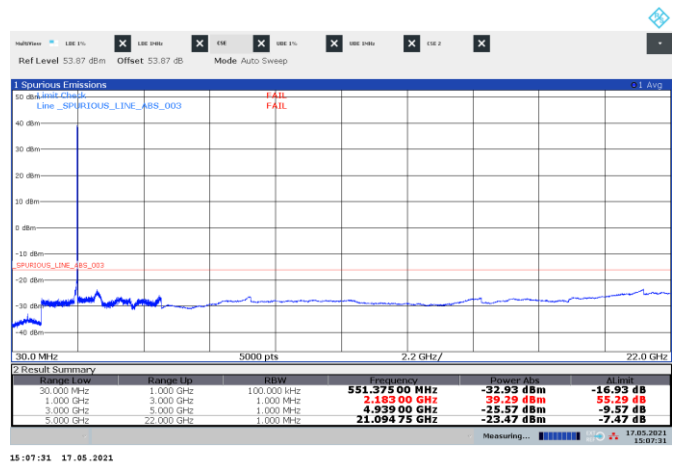


Figure 8.3-43: Conducted spurious emissions of NR 5 MHz four contiguous top channels, four-carrier operation

Test data, continued

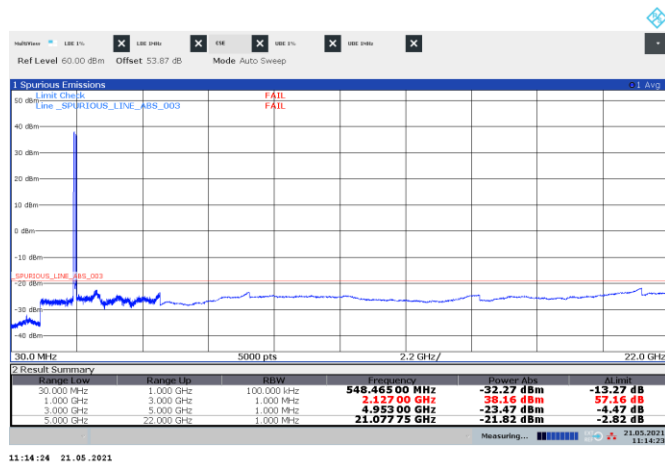


Figure 8.3-44: Conducted spurious emissions of NR 10 MHz two non-contiguous channels, two-carrier operation

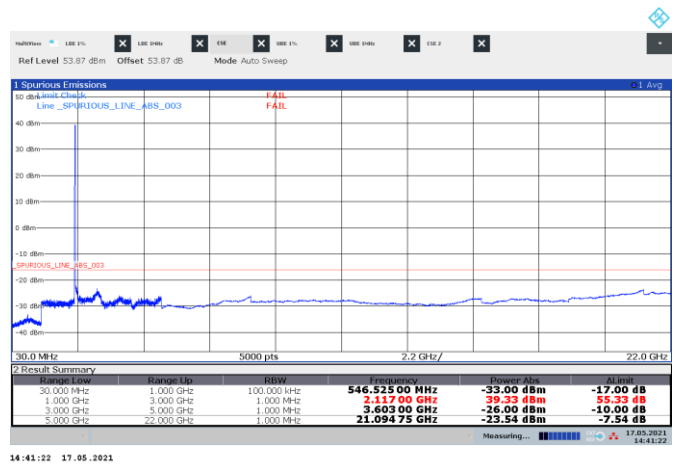


Figure 8.3-45: Conducted spurious emissions of NR 10 MHz two contiguous bottom channels, two-carrier operation

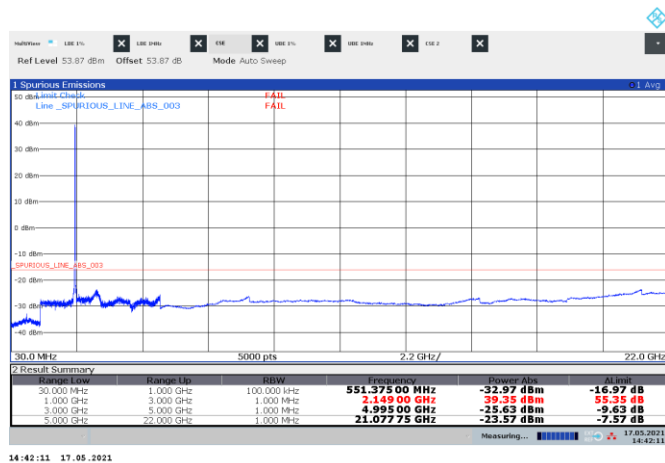


Figure 8.3-46: Conducted spurious emissions of NR 10 MHz two contiguous mid channels, two-carrier operation

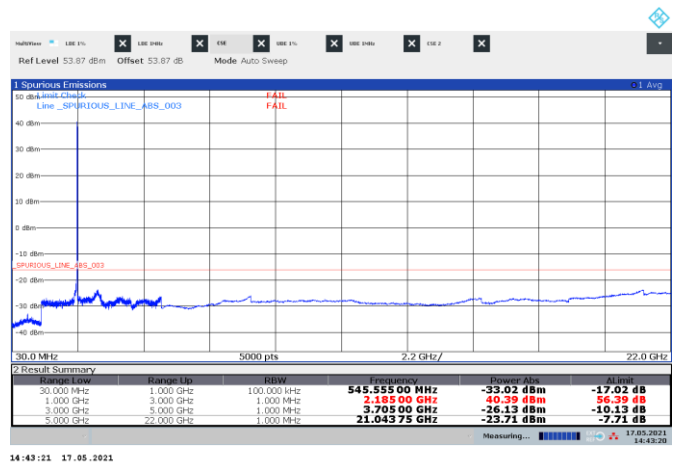


Figure 8.3-47: Conducted spurious emissions of NR 10 MHz two contiguous top channels, two-carrier operation

Test data, continued



11:15:23 21.05.2021

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



11:20:37 21.05.2021

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



14:49:40 17.05.2021

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



14:50:29 17.05.2021

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



14:51:09 17.05.2021

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

Test data, continued

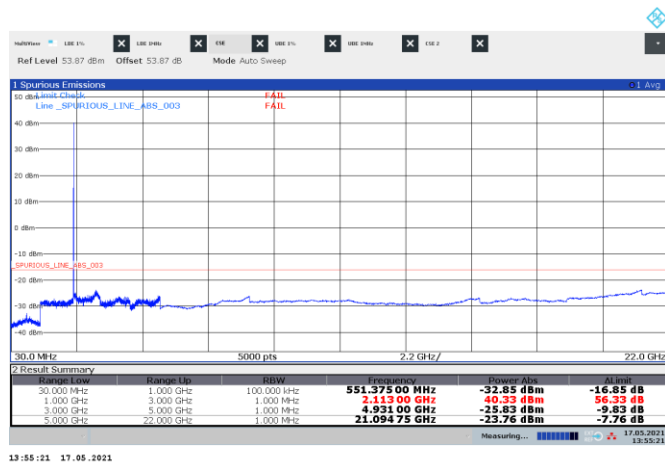


Figure 8.3-53: Conducted spurious emissions of WCDMA low channel, single-carrier operation



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

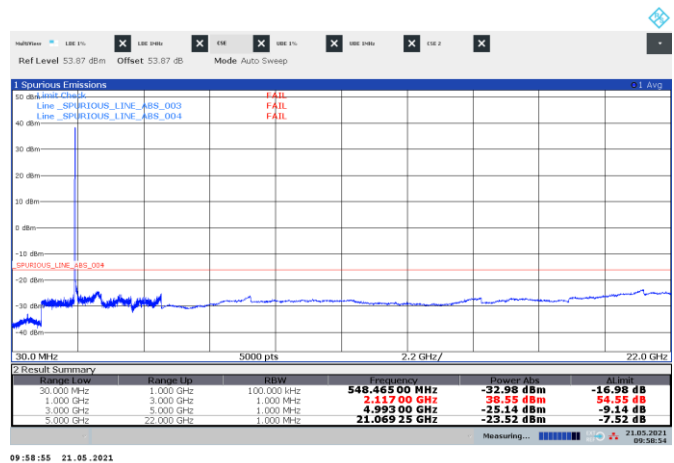


Figure 8.3-56: Conducted spurious emissions of multi-RAT operation, 4xLTE 5 MHz + NR 5 MHz + WCDMA (bottom)

Test data, continued

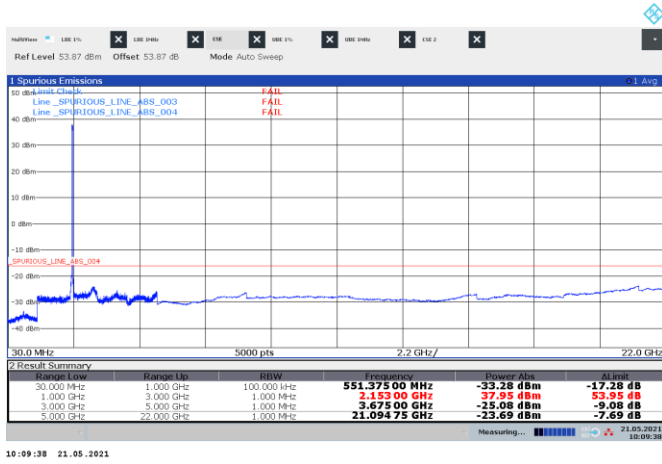


Figure 8.3-57: Conducted spurious emissions of multi-RAT operation, 4xLTE 5 MHz + NR 5 MHz + WCDMA (mid)

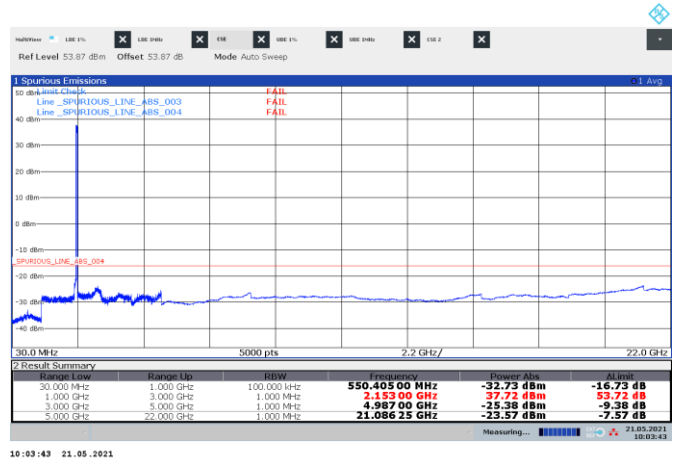


Figure 8.3-58: Conducted spurious emissions of multi-RAT operation, 4xLTE 5 MHz + NR 5 MHz + WCDMA (top)

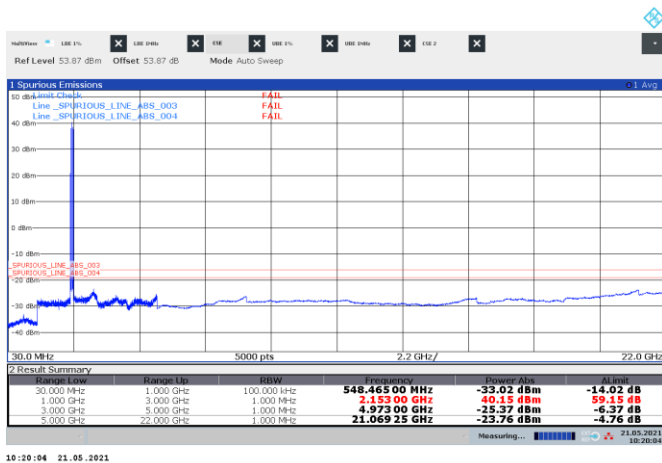


Figure 8.3-59: Conducted spurious emissions of multi-RAT operation, LTE 5 MHz and WCDMA and NR 10 MHz

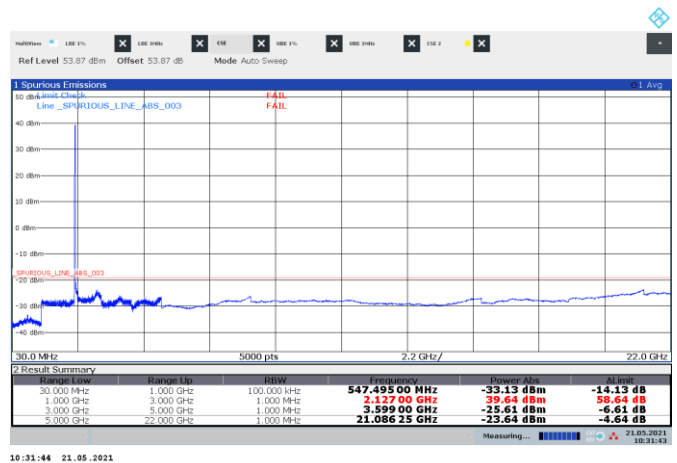


Figure 8.3-60: Conducted spurious emissions of multi-RAT operation, LTE 10 MHz and NR 5 MHz and WCDMA (bottom)

Test data, continued

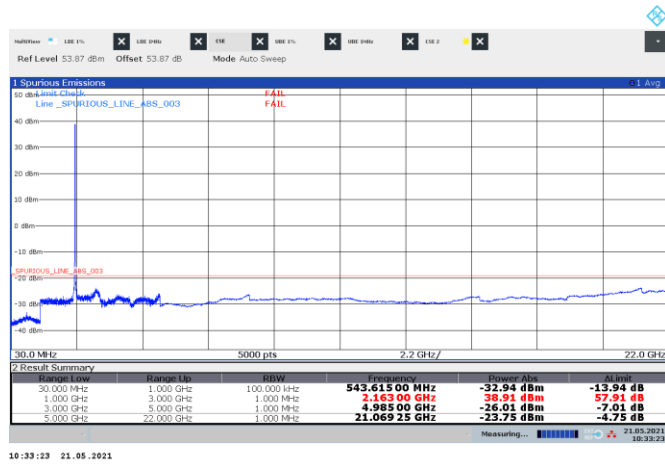


Figure 8.3-61: Conducted spurious emissions of multi-RAT operation, LTE 10 MHz and NR 5 MHz and WCDMA (mid)



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

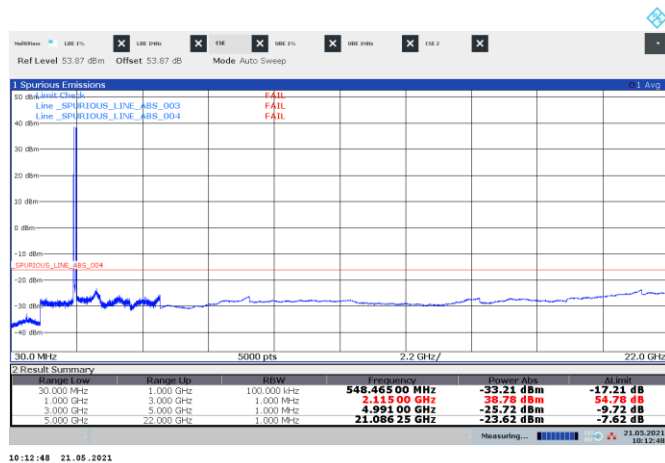


Figure 8.3-63: Conducted spurious emissions of multi-RAT operation, LTE 10 MHz and NR 10 MHz

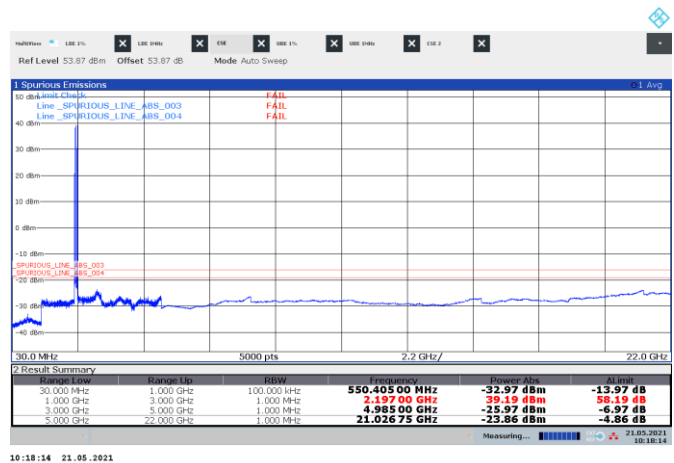


Figure 8.3-64: Conducted spurious emissions of multi-RAT operation, LTE 10 MHz and WCDMA and NR 5 MHz

Test data, continued

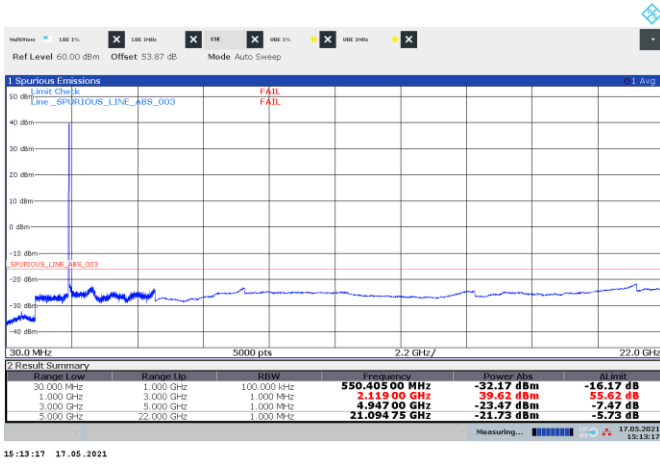


Figure 8.3-65: Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + NR 5 MHz (bottom)

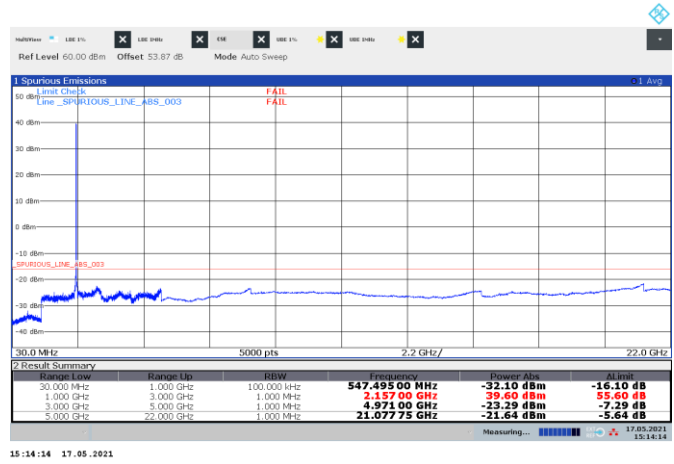


Figure 8.3-66: Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + NR 5 MHz (mid)

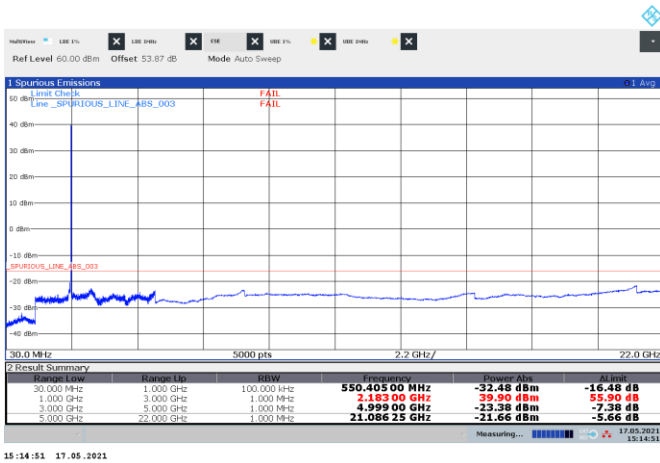


Figure 8.3-67: Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + NR 5 MHz (top)

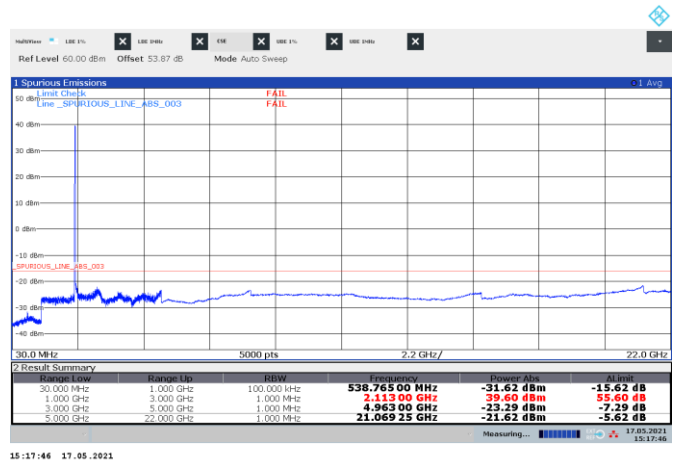


Figure 8.3-68: Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + WCDMA (bottom)

Test data, continued

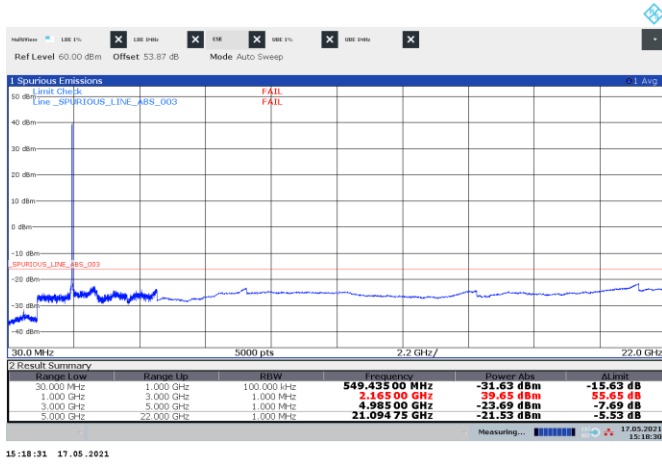


Figure 8.3-69: Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + WCDMA (mid)

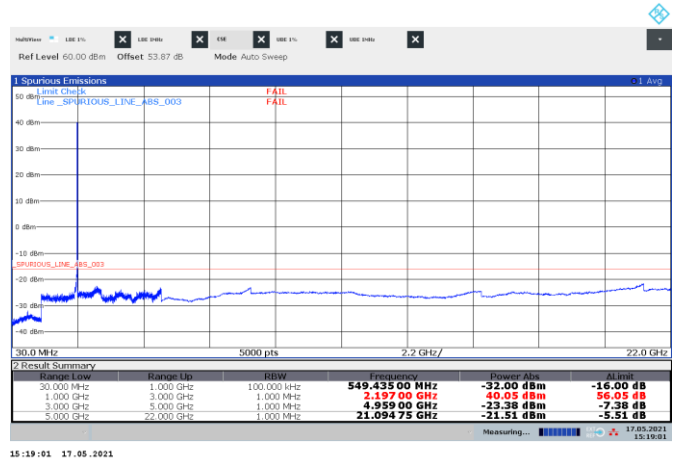


Figure 8.3-70: Conducted spurious emissions of multi-RAT operation, LTE 15 MHz + WCDMA (top)

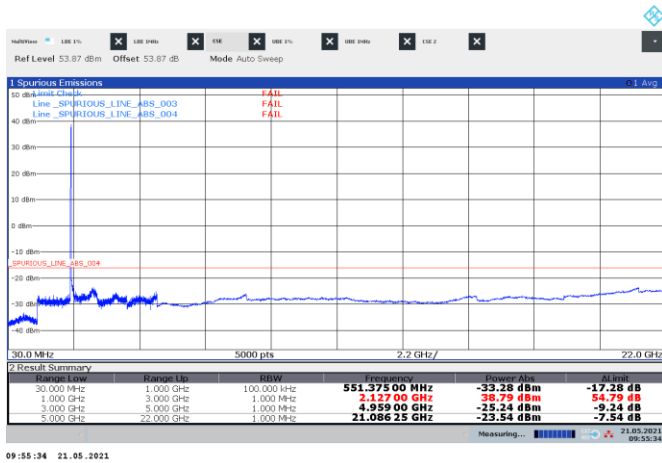


Figure 8.3-71: Conducted spurious emissions of multi-RAT operation, NR 5 MHz and 4xLTE 5 MHz and WCDMA (bottom)

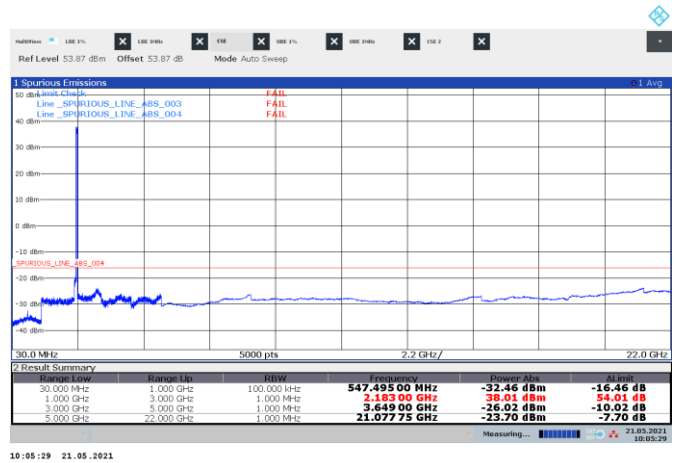


Figure 8.3-72: Conducted spurious emissions of multi-RAT operation, NR 5 MHz and 4xLTE 5 MHz and WCDMA (top)

Test data, continued

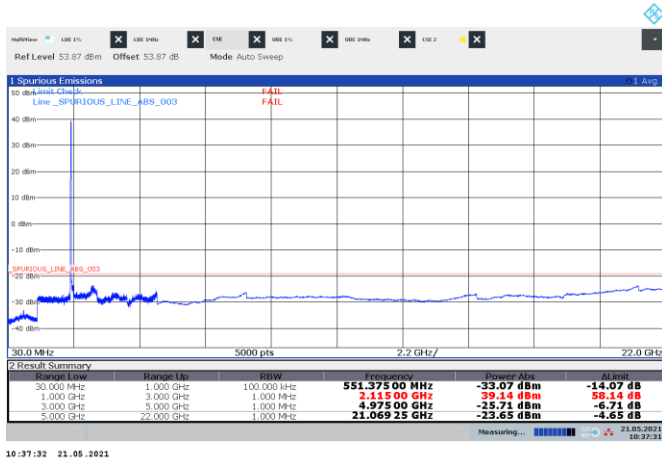


Figure 8.3-73: Conducted spurious emissions of multi-RAT operation, NR 10 MHz and LTE 5 MHz and WCDMA (low)

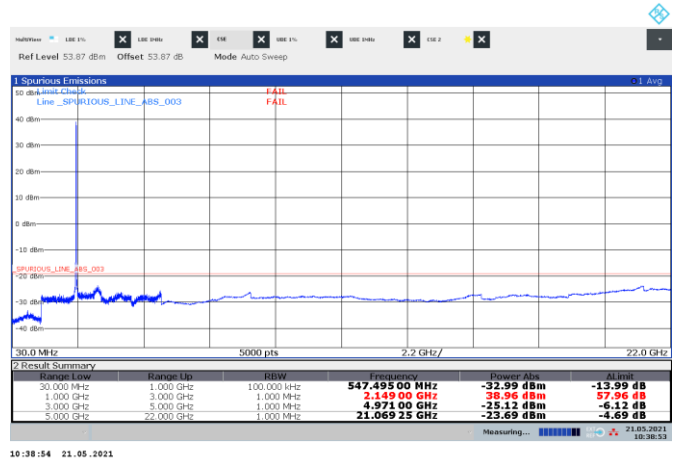


Figure 8.3-74: Conducted spurious emissions of multi-RAT operation, NR 10 MHz and LTE 5 MHz and WCDMA (mid)

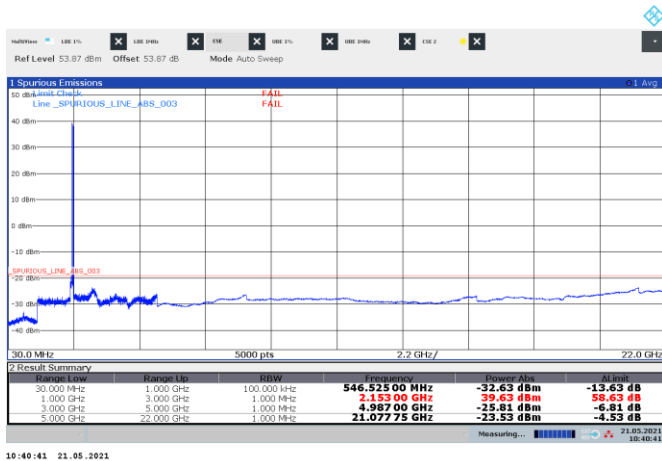


Figure 8.3-75: Conducted spurious emissions of multi-RAT operation, NR 10 MHz and LTE 5 MHz and WCDMA (top)

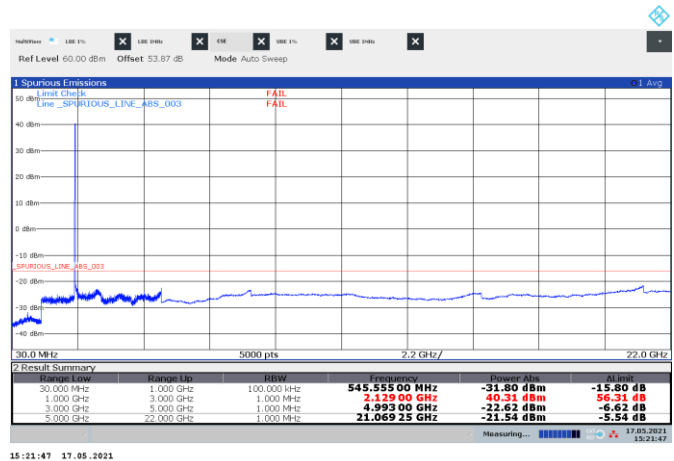


Figure 8.3-76: Conducted spurious emissions of multi-RAT operation, NR 15 MHz + LTE 5 MHz (bottom)

Test data, continued

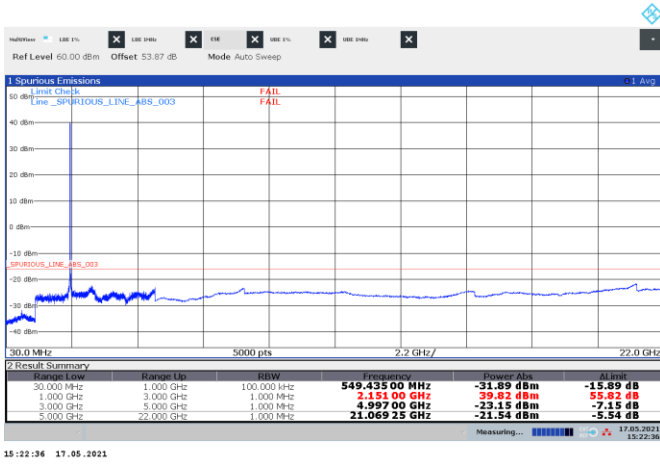


Figure 8.3-77: Conducted spurious emissions of multi-RAT operation, NR 15 MHz + LTE 5 MHz (mid)

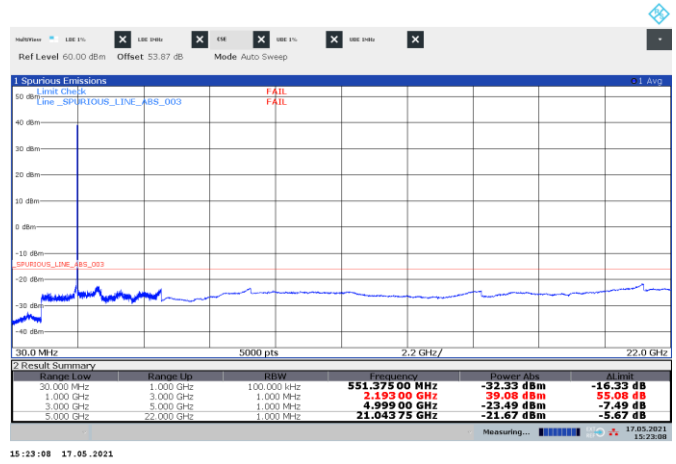


Figure 8.3-78: Conducted spurious emissions of multi-RAT operation, NR 15 MHz + LTE 5 MHz (top)

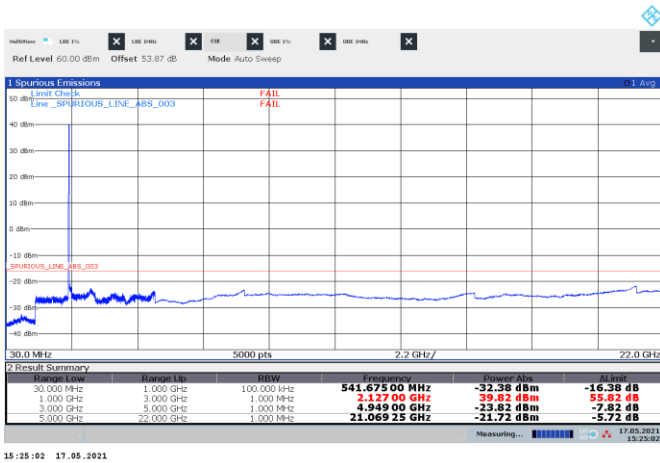


Figure 8.3-79: Conducted spurious emissions of multi-RAT operation, NR 15 MHz + WCDMA (bottom)

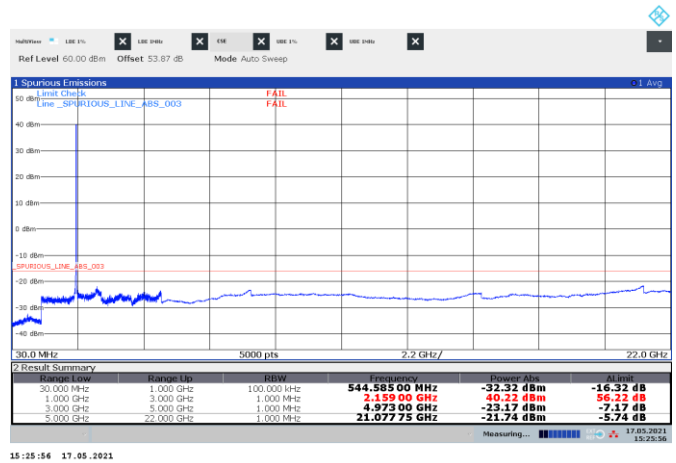


Figure 8.3-80: Conducted spurious emissions of multi-RAT operation, NR 15 MHz + WCDMA (mid)

Test data, continued

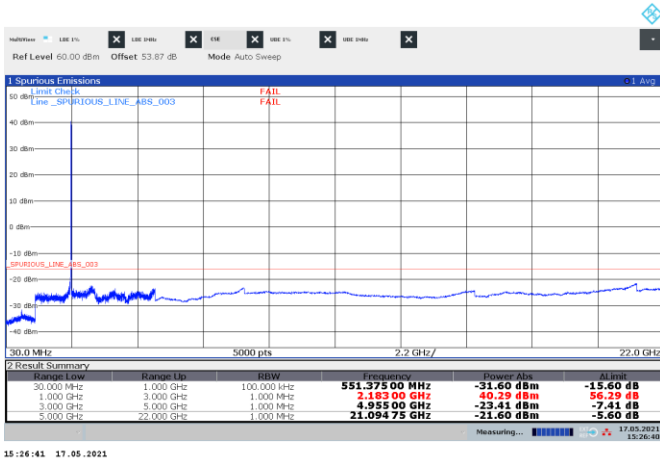


Figure 8.3-81: Conducted spurious emissions of multi-RAT operation, NR 15 MHz + WCDMA (top)

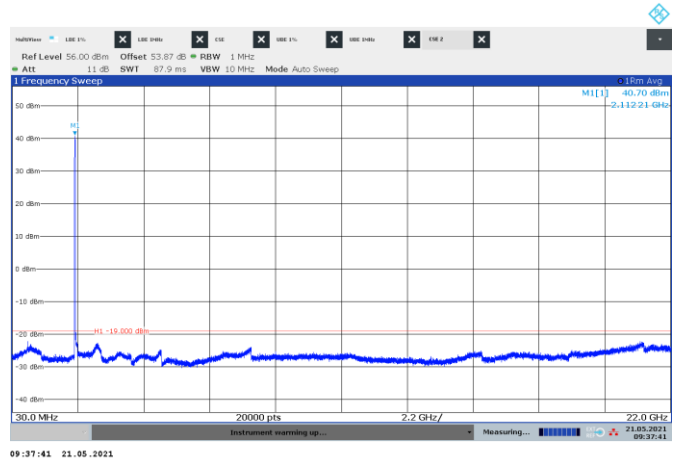


Figure 8.3-82: Conducted spurious emissions of multi-RAT operation, WCDMA and LTE 10 MHz and NR 5 MHz (bottom)

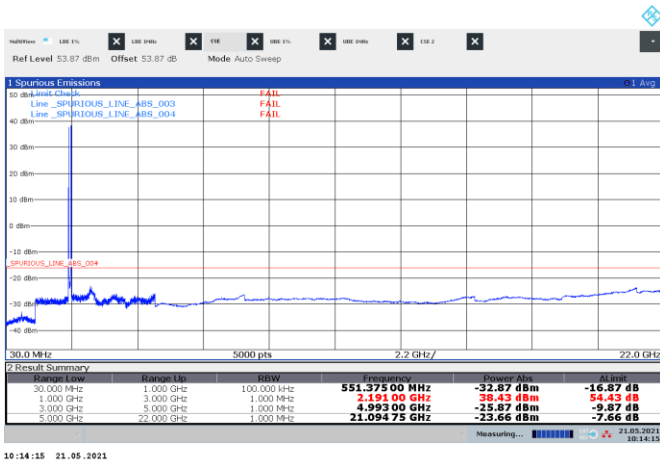


Figure 8.3-83: Conducted spurious emissions of multi-RAT operation, WCDMA and LTE 15 MHz

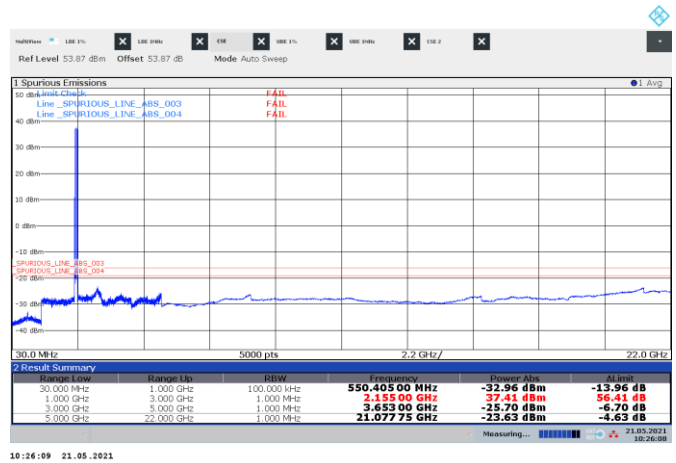


Figure 8.3-84: Conducted spurious emissions of multi-RAT operation, WCDMA and NR 5 MHz and 4xLTE 5 MHz

Test data, continued

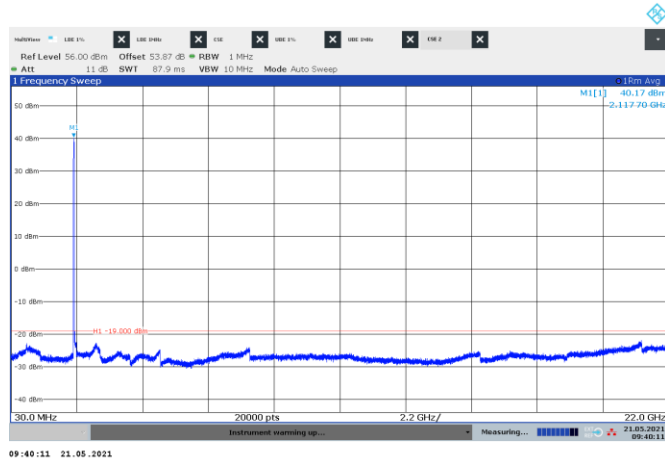


Figure 8.3-85: Conducted spurious emissions of multi-RAT operation, WCDMA and NR 10 MHz and LTE 5 MHz

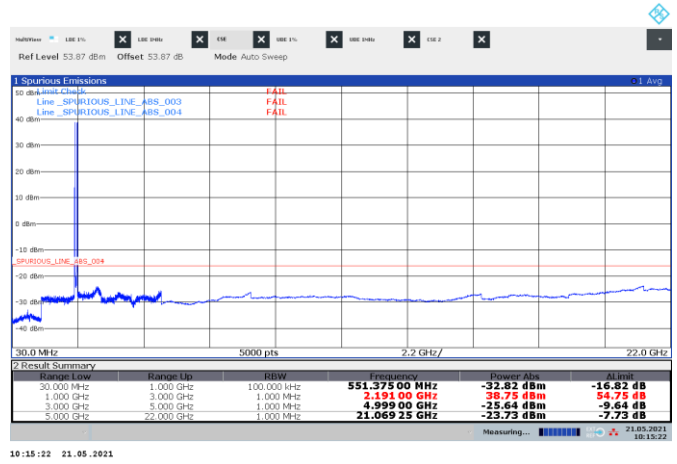


Figure 8.3-86: Conducted spurious emissions of multi-RAT operation, WCDMA and NR 15 MHz (non-contiguous)



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

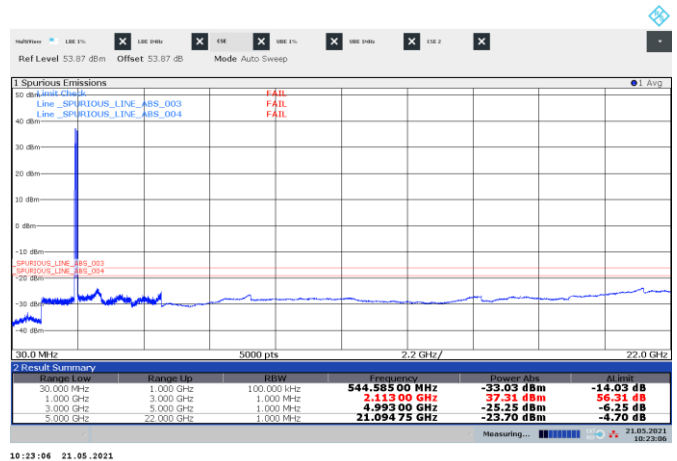


Figure 8.3-88: Conducted spurious emissions of multi-RAT operation, WCDMA + LTE 15 MHz and NR 5 MHz and NR 5 MHz + LTE 5 MHz + NR 5 MHz

Test data, continued

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

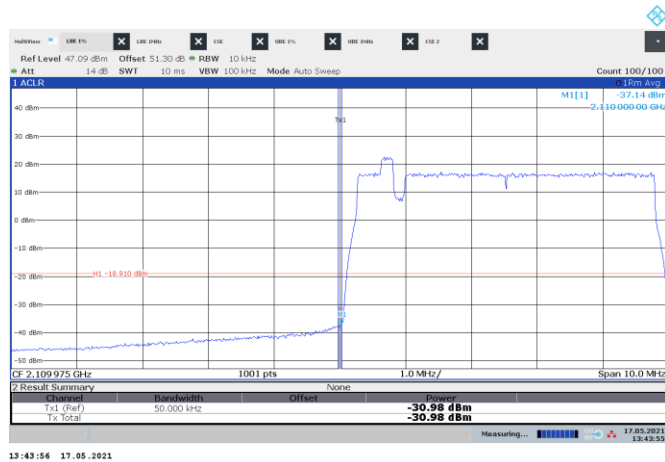


Figure 8.3-89: Conducted emission at the lower band edge

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

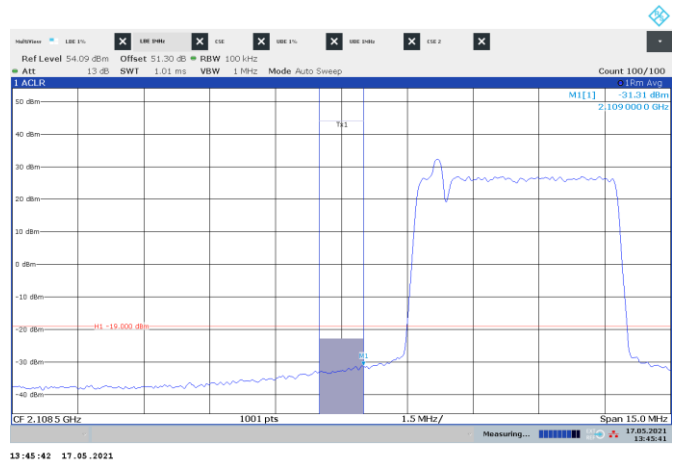


Figure 8.3-90: Conducted emission 1 MHz away from the lower band edge

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

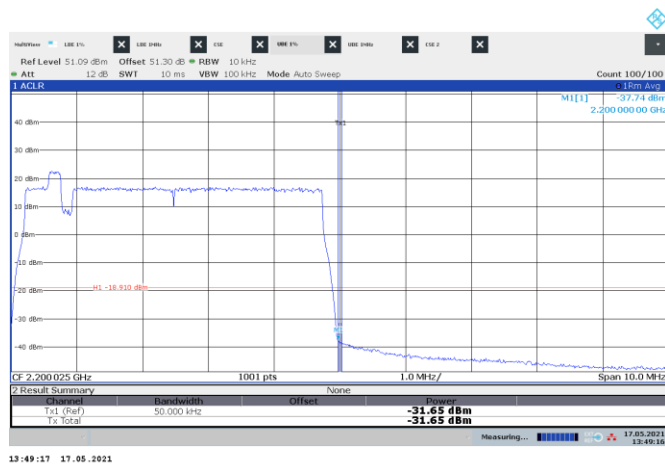


Figure 8.3-91: Conducted emission at the upper band edge

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

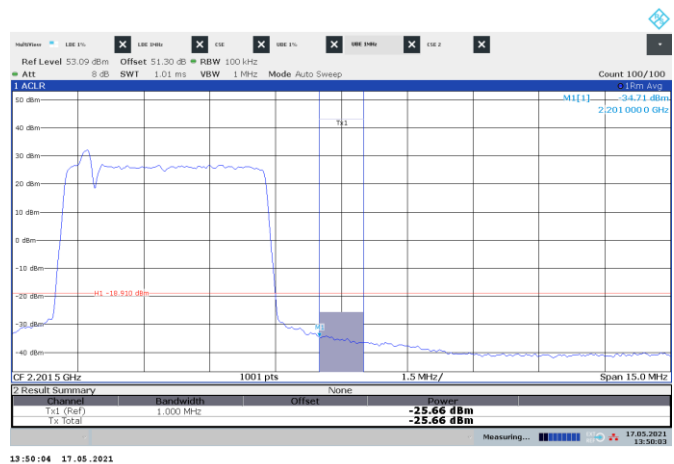


Figure 8.3-92: Conducted emission 1 MHz away from the upper band edge

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

Test data, continued

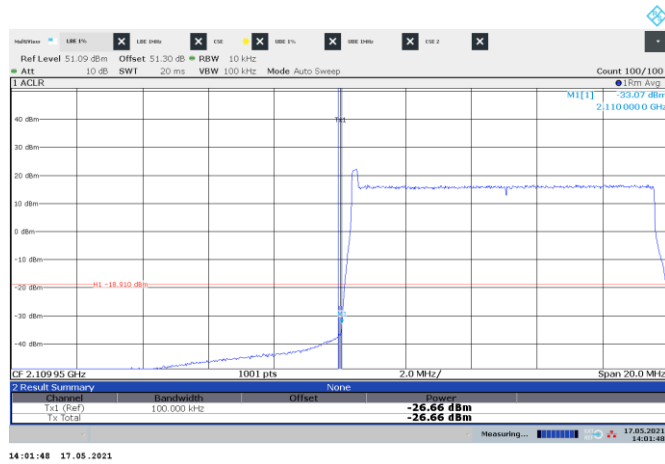


Figure 8.3-93: Conducted emission at the lower band edge

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

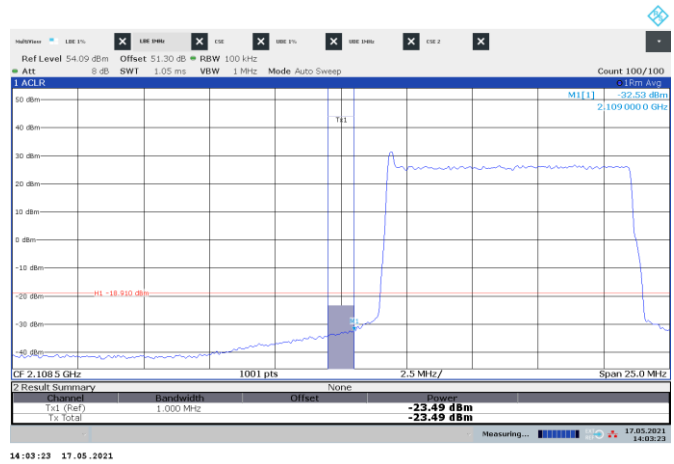


Figure 8.3-94: Conducted emission 1 MHz away from the lower band edge

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

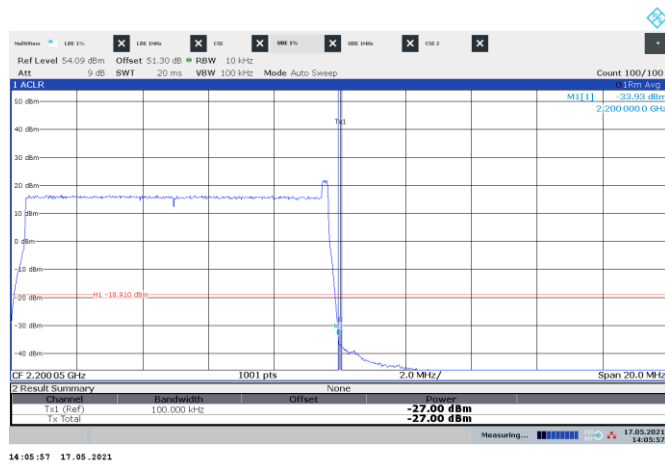


Figure 8.3-95: Conducted emission at the upper band edge

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

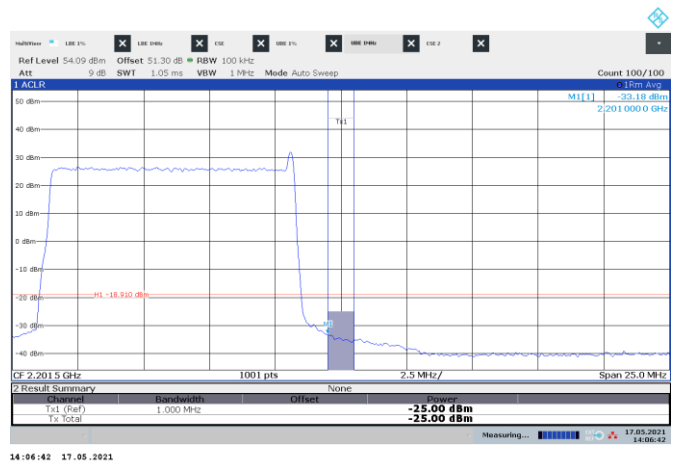


Figure 8.3-96: Conducted emission 1 MHz away from the upper band edge

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

Test data, continued

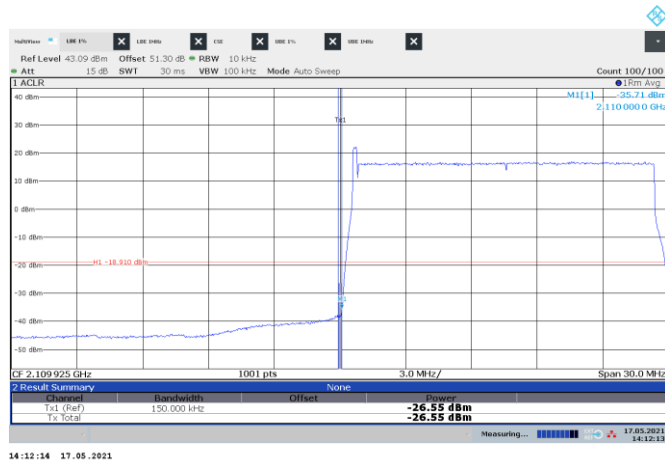


Figure 8.3-97: Conducted emission at the lower band edge

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

Frequency: 2109 MHz Mode: Single-carrier operation
 Meas. BW: 1 MHz Tech.: LTE 15 MHz with IoT
 Limit: -19 dBm/MHz Notes: None

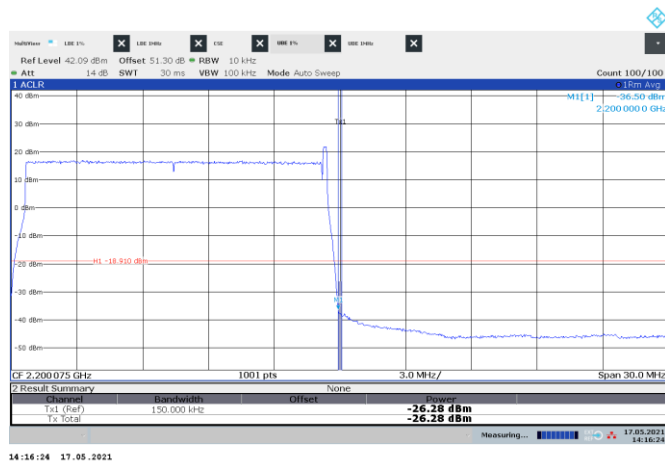


Figure 8.3-99: Conducted emission at the upper band edge

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

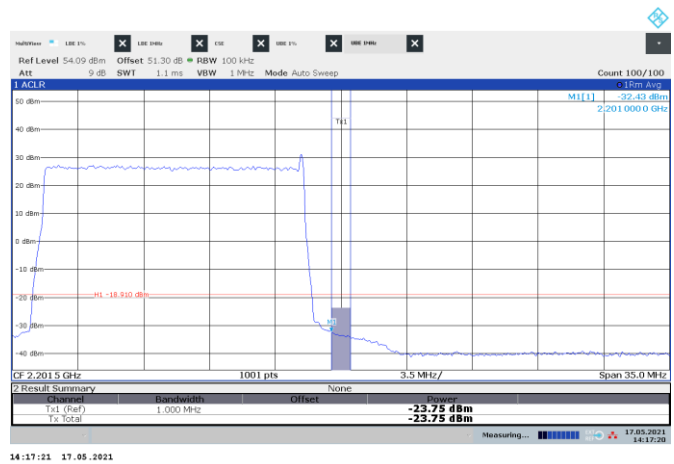


Figure 8.3-100: Conducted emission 1 MHz away from the upper band edge

Frequency: 2201 MHz Mode: Single-carrier operation
 Meas. BW: 1 MHz Tech.: LTE 15 MHz with IoT
 Limit: -19 dBm/MHz Notes: None

Test data, continued

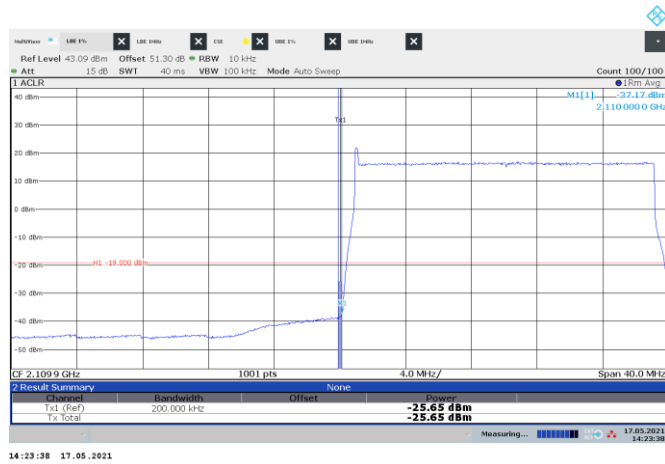


Figure 8.3-101: Conducted emission at the lower band edge

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 8.3-102: 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

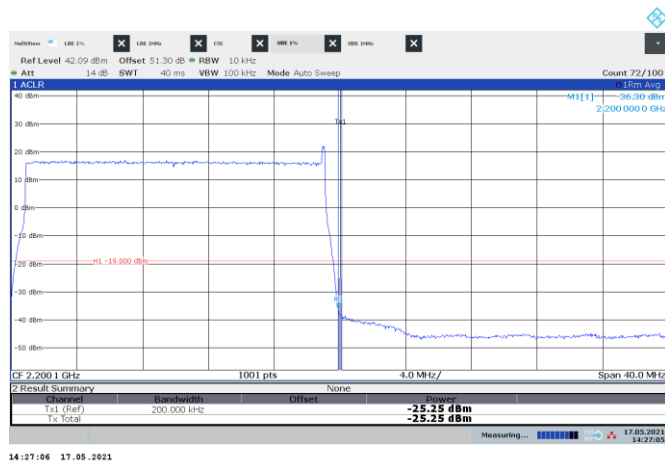


Figure 8.3-103: Conducted emission at the upper band edge

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



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

Test data, continued



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

Frequency: 2110 MHz Mode: Multi-carrier operation
 Meas. BW: 1% of EBW Tech.: 2 × LTE 10 MHz with IoT
 Limit: -19 dBm/100 kHz Notes: None



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

Frequency: 2109 MHz Mode: Multi-carrier operation
 Meas. BW: 1 MHz Tech.: 2 × LTE 10 MHz with IoT
 Limit: -19 dBm/MHz Notes: None

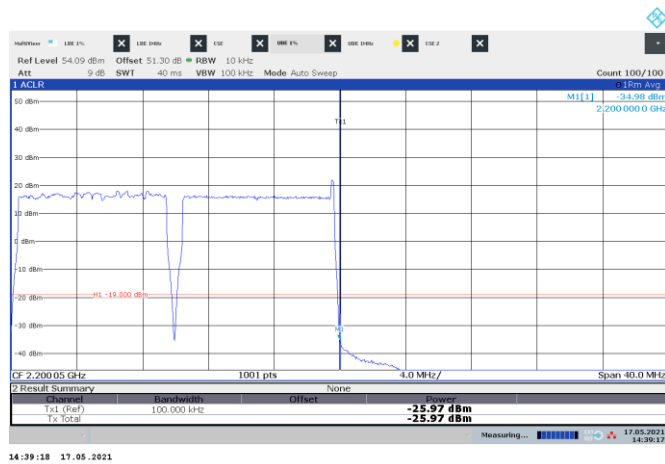


Figure 8.3-107: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Multi-carrier operation
 Meas. BW: 1% of EBW Tech.: 2 × LTE 10 MHz with IoT
 Limit: -19 dBm/100 kHz Notes: None



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

Frequency: 2201 MHz Mode: Multi-carrier operation
 Meas. BW: 1 MHz Tech.: 2 × LTE 10 MHz with IoT
 Limit: -19 dBm/MHz Notes: None

Test data, continued

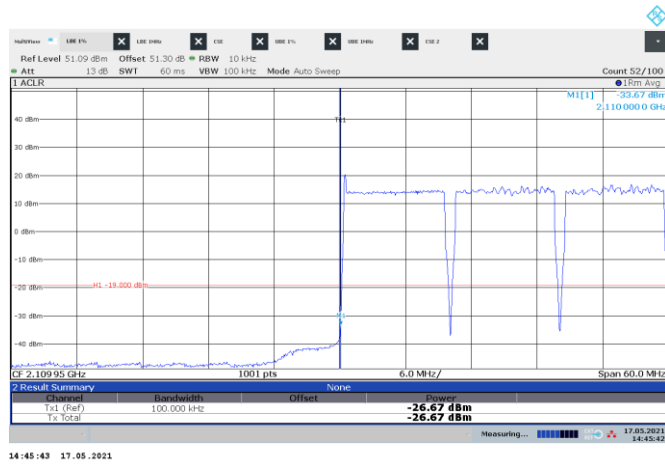


Figure 8.3-109: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Multi-carrier operation
 Meas. BW: 1% of EBW Tech.: 3 × LTE 10 MHz with IoT
 Limit: -19 dBm/100 kHz Notes: None

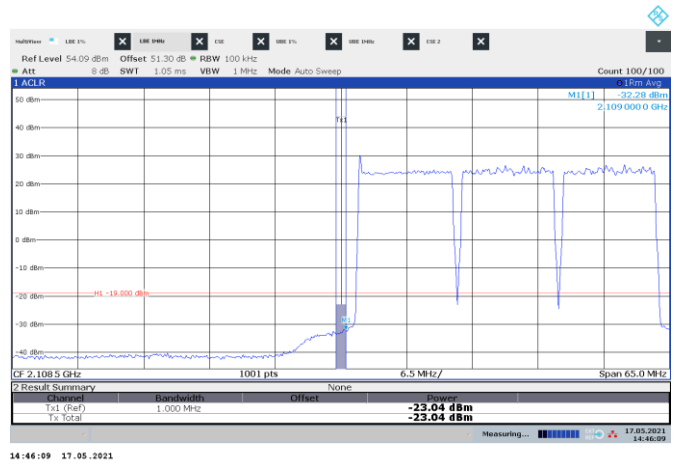


Figure 8.3-110: Conducted emission 1 MHz away from the lower band edge

Frequency: 2109 MHz Mode: Multi-carrier operation
 Meas. BW: 1 MHz Tech.: 3 × LTE 10 MHz with IoT
 Limit: -19 dBm/MHz Notes: None

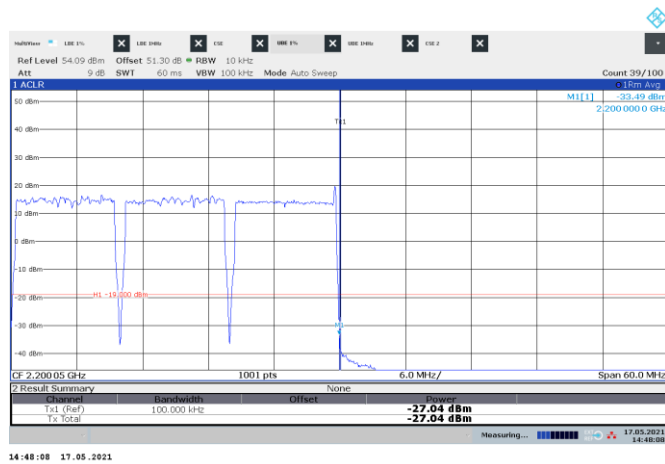


Figure 8.3-111: Conducted emission at the upper band edge

Frequency: 2200 MHz Mode: Multi-carrier operation
 Meas. BW: 1% of EBW Tech.: 3 × LTE 10 MHz with IoT
 Limit: -19 dBm/100 kHz Notes: None



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

Frequency: 2201 MHz Mode: Multi-carrier operation
 Meas. BW: 1 MHz Tech.: 3 × LTE 10 MHz with IoT
 Limit: -19 dBm/MHz Notes: None

Test data, continued



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: None



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

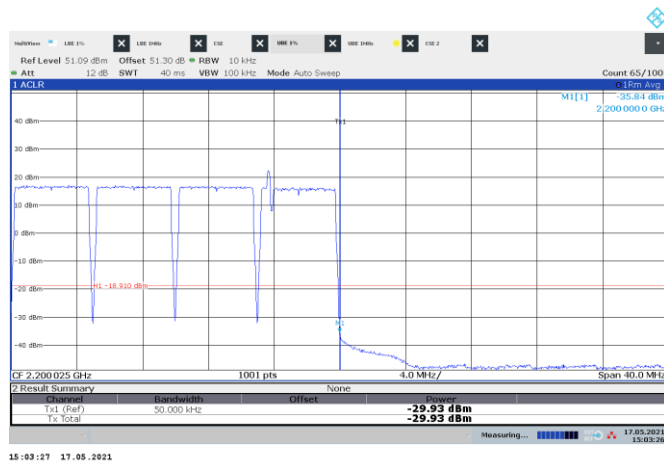


Figure 8.3-115: Conducted emission at the upper band edge

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



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

Test data, continued

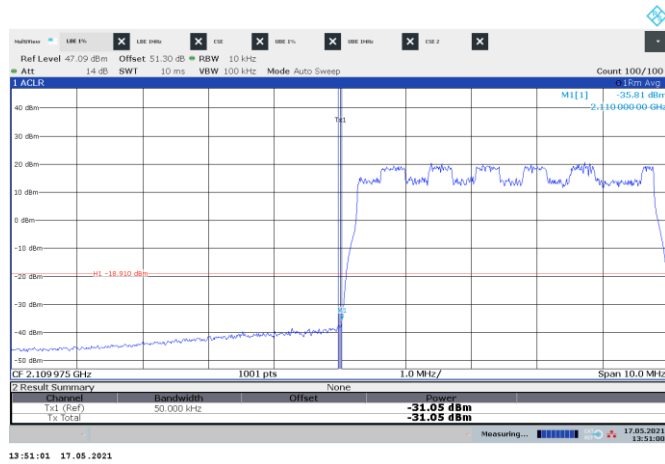


Figure 8.3-117: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Single-carrier operation
 Meas. BW: 1% of EBW Tech.: NR 5 MHz
 Limit: -19 dBm/50 kHz Notes: None

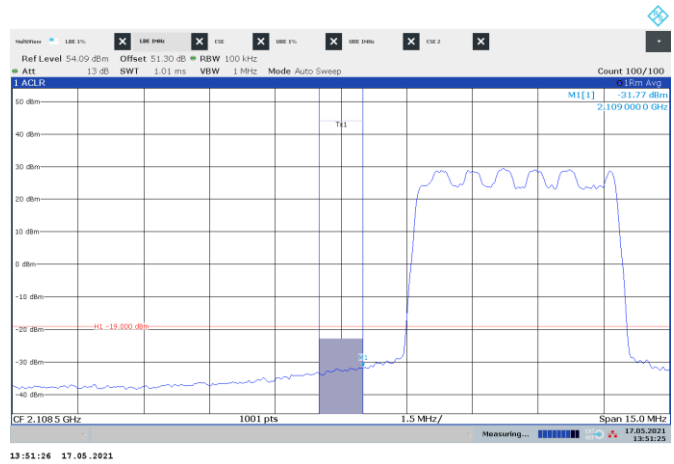


Figure 8.3-118: Conducted emission 1 MHz away from the lower band edge

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 8.3-119: 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

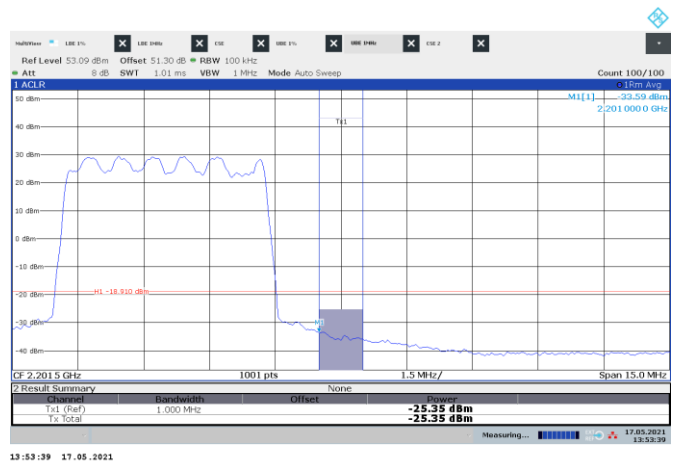


Figure 8.3-120: Conducted emission 1 MHz away from the upper band edge

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

Test data, continued

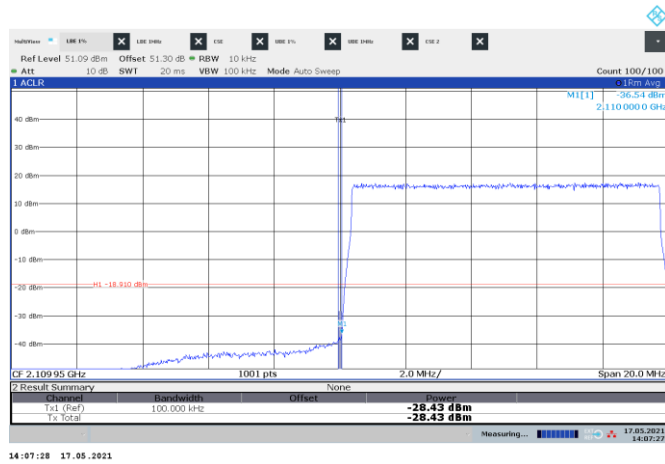


Figure 8.3-121: Conducted emission at the lower band edge

Frequency: 2110 MHz Mode: Single-carrier operation
 Meas. BW: 1% of EBW Tech.: NR 10 MHz
 Limit: -19 dBm/100 kHz Notes: None

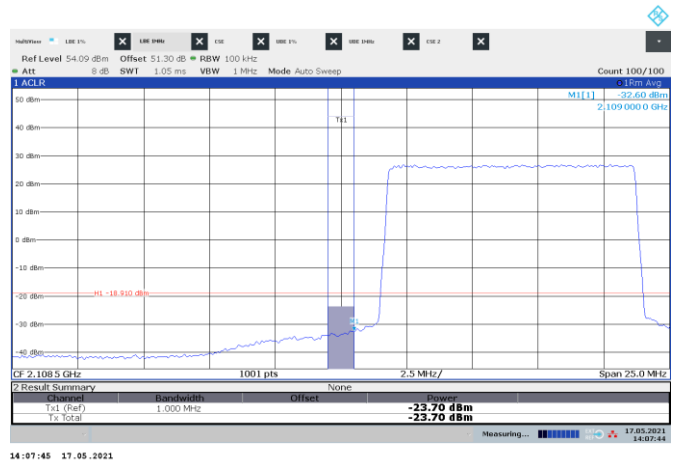


Figure 8.3-122: Conducted emission 1 MHz away from the lower band edge

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

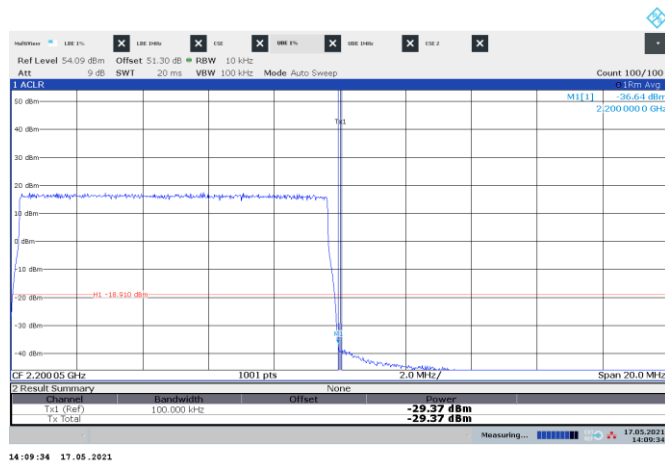


Figure 8.3-123: Conducted emission at the upper band edge

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

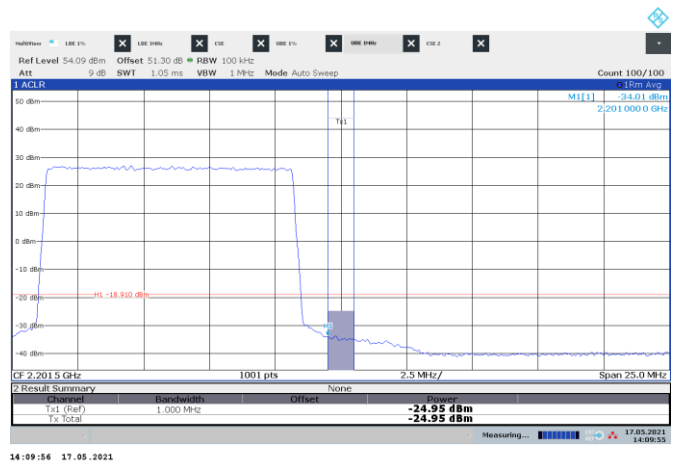


Figure 8.3-124: Conducted emission 1 MHz away from the upper band edge

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