

8.3.4 Test data

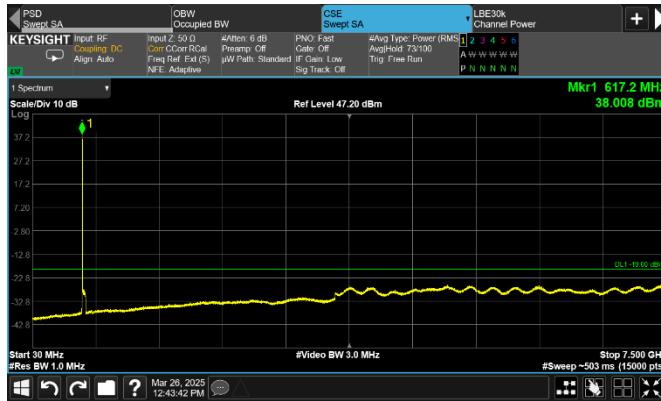


Figure 8.3-1: Conducted spurious emissions of IoT SA low channel, single carrier operation

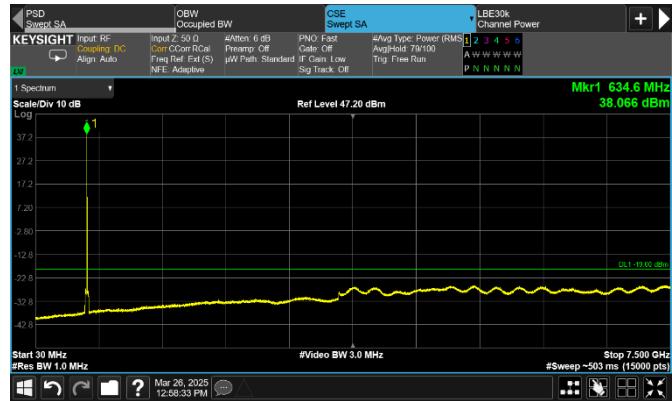


Figure 8.3-2 Conducted spurious emissions of IoT SA mid channel, single carrier operation

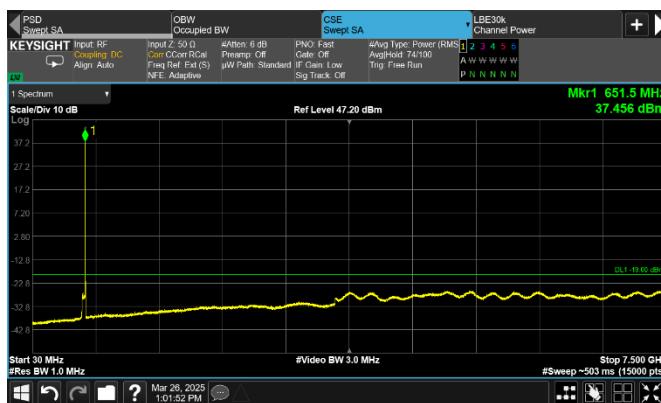


Figure 8.3-3: Conducted spurious emissions of IoT SA top channel, single carrier operation

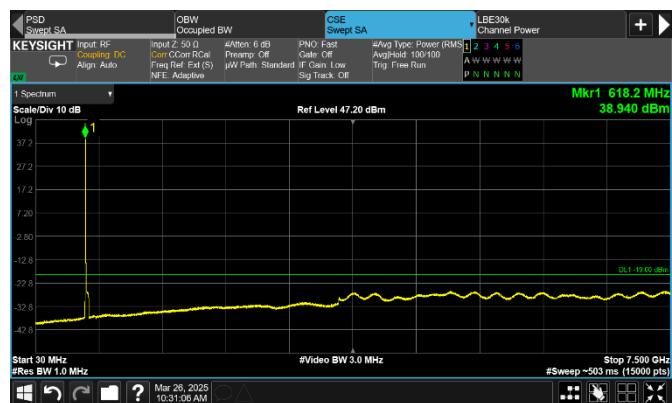


Figure 8.3-4: Conducted spurious emissions of LTE 5 MHz low channel, single carrier operation

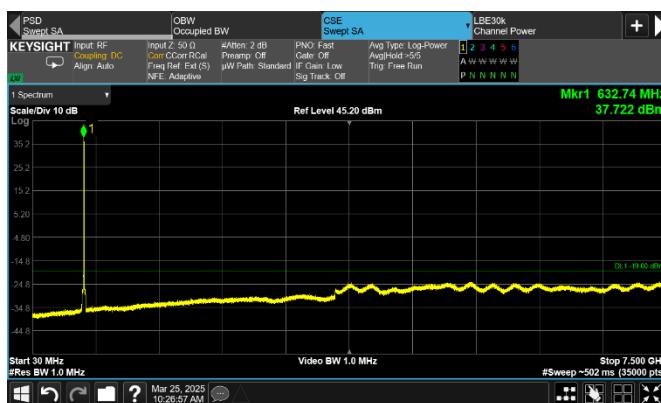


Figure 8.3-5: Conducted spurious emissions of LTE 5 MHz mid channel, single carrier operation

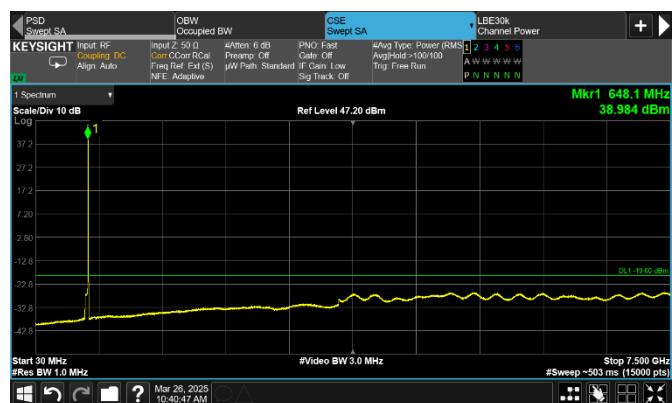


Figure 8.3-6: Conducted spurious emissions of LTE 5 MHz top channel, single carrier operation

Test data, continued



Figure 8.3-7: Conducted spurious emissions of LTE 10 MHz low channel, single carrier operation



Figure 8.3-8: Conducted spurious emissions of LTE 10 MHz mid channel, single carrier operation

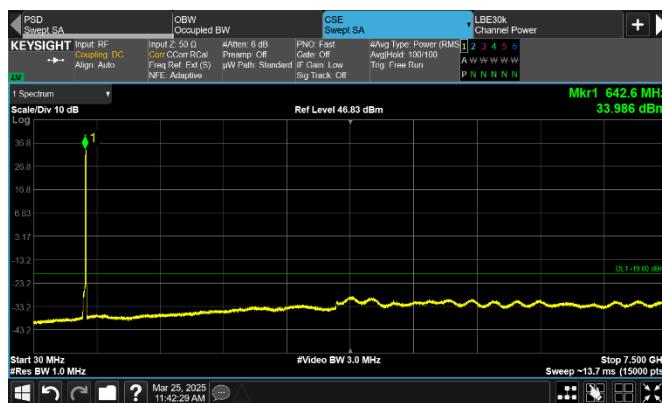


Figure 8.3-9: Conducted spurious emissions of LTE 10 MHz top channel, single carrier operation



Figure 8.3-10: Conducted spurious emissions of LTE 15 MHz low channel, single carrier operation



Figure 8.3-11: Conducted spurious emissions of LTE 15 MHz mid channel, single carrier operation

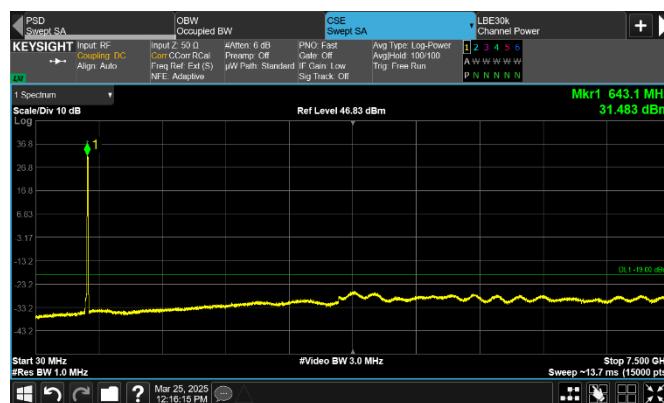
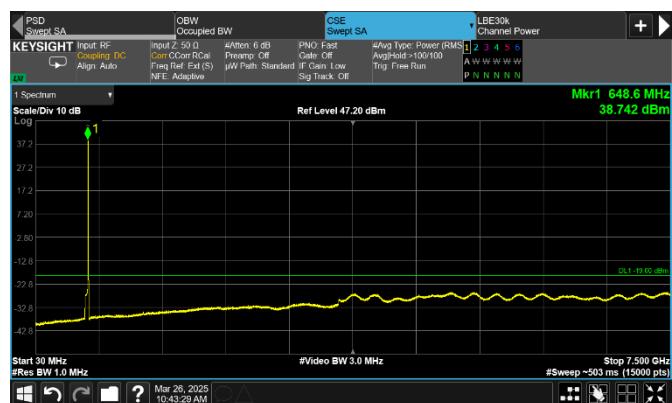
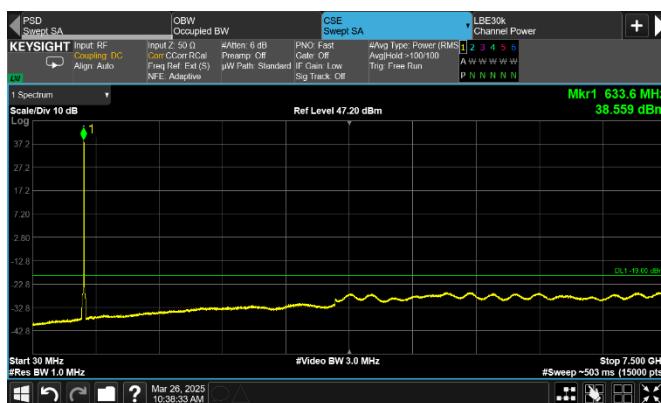
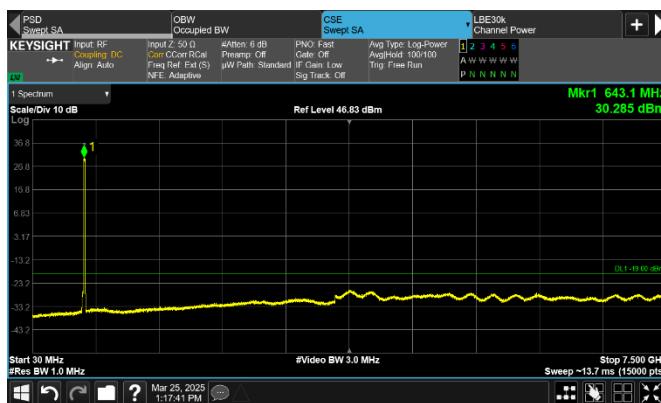


Figure 8.3-12: Conducted spurious emissions of LTE 15 MHz with IB top channel, single carrier operation

Test data, continued



Test data, continued



Figure 8.3-19: Conducted spurious emissions of NR 10 MHz low channel, single carrier operation



Figure 8.3-20: Conducted spurious emissions of NR 1 MHz mid channel, single carrier operation



Figure 8.3-21: Conducted spurious emissions of NR 10 MHz top channel, single carrier operation

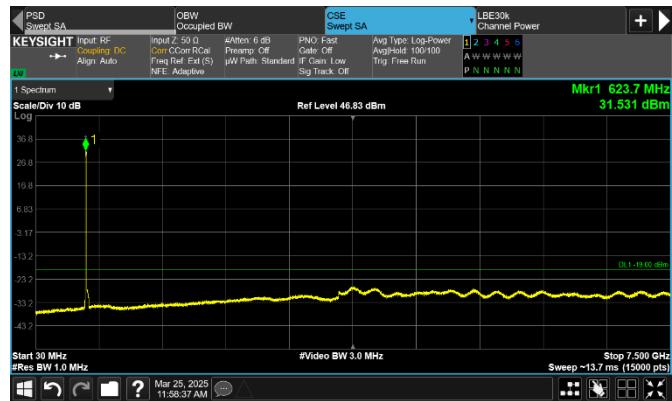


Figure 8.3-22: Conducted spurious emissions of NR 15 MHz low channel, single carrier operation



Figure 8.3-23: Conducted spurious emissions of NR 15 MHz mid channel, single carrier operation

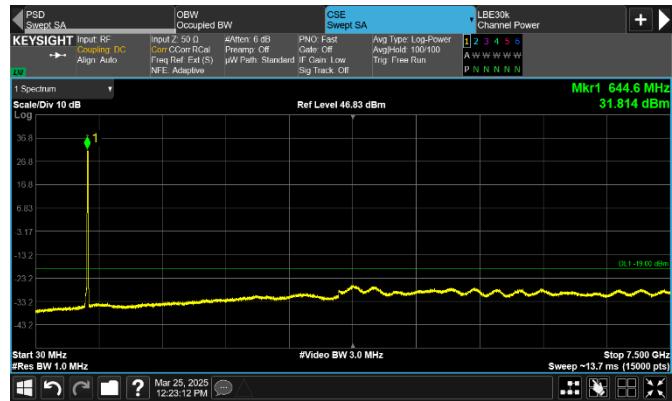
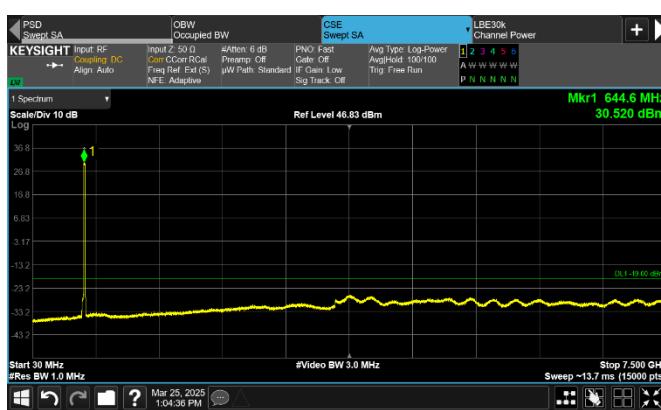
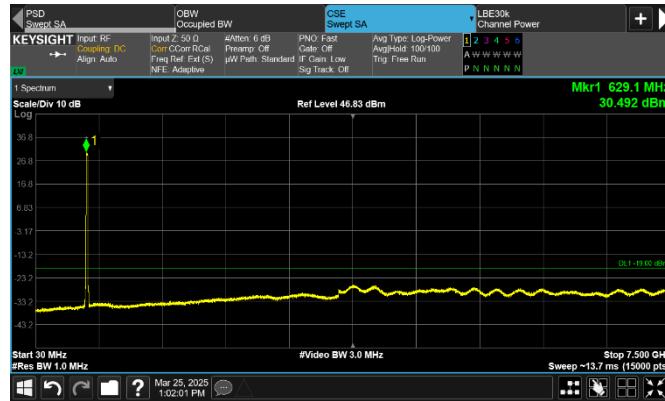


Figure 8.3-24: Conducted spurious emissions of NR 15 MHz top channel, single carrier operation

Test data, continued



Test data, continued



Test data, continued



Figure 8.3-35: Conducted spurious emissions of 2 x LTE 5 MHz low channels, 2-carrier operation

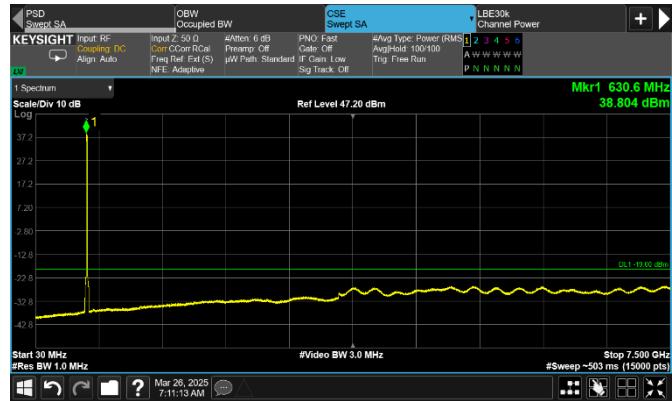


Figure 8.3-36: Conducted spurious emissions of 2 x LTE 5 MHz mid channels, 2-carrier operation

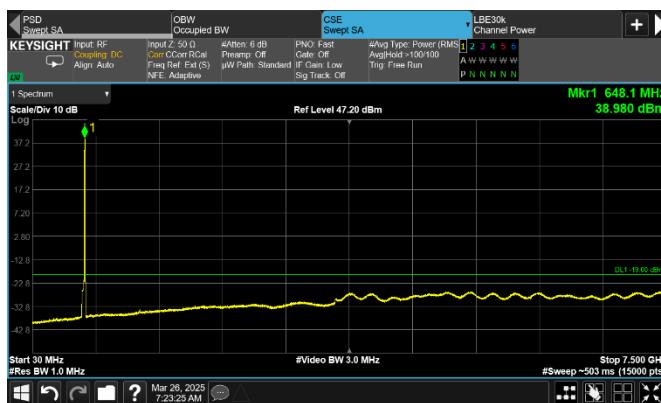


Figure 8.3-37: Conducted spurious emissions of 2 x LTE 5 MHz top channels, 2-carrier operation

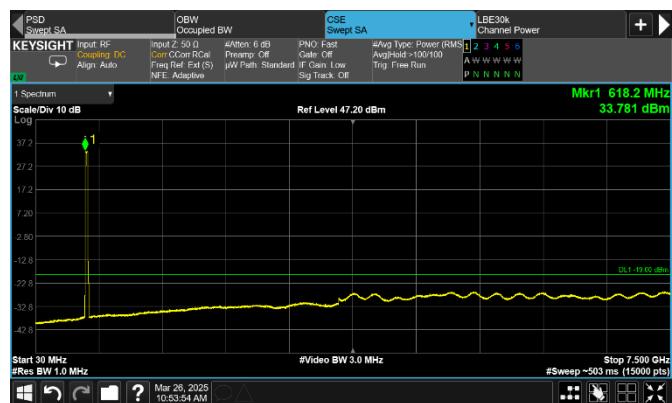


Figure 8.3-38: Conducted spurious emissions of 2 x LTE 15 MHz low channels, 2-carrier operation

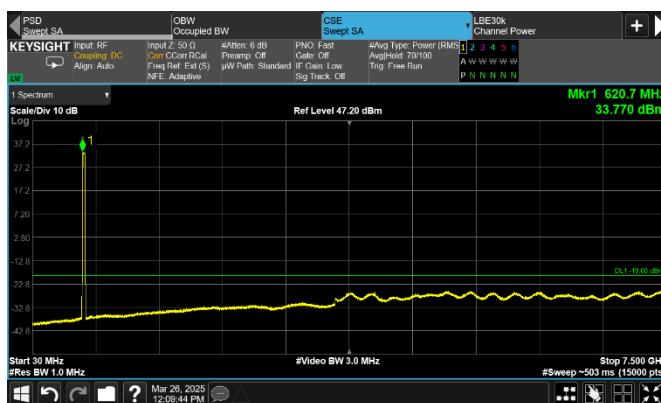


Figure 8.3-39: Conducted spurious emissions of 2 x LTE 15 MHz mid channels, 2-carrier operation

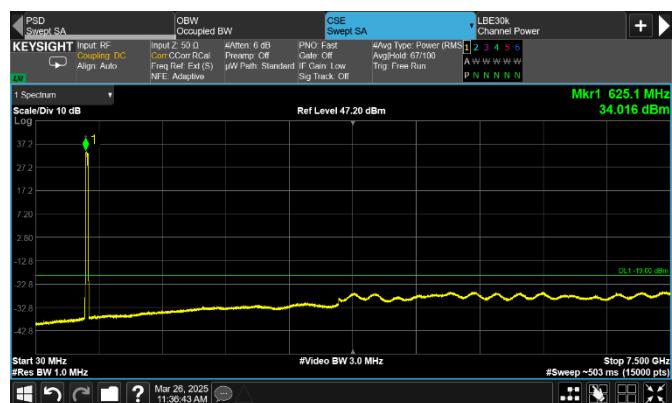


Figure 8.3-40: Conducted spurious emissions of 2 x LTE 15 MHz top channels, 2-carrier operation

Test data, continued



Figure 8.3-41: Conducted spurious emissions of 6 x LTE 5 MHz low channels, 6-carrier operation



Figure 8.3-42: Conducted spurious emissions of 6 x LTE 5 MHz mid channels, 6-carrier operation

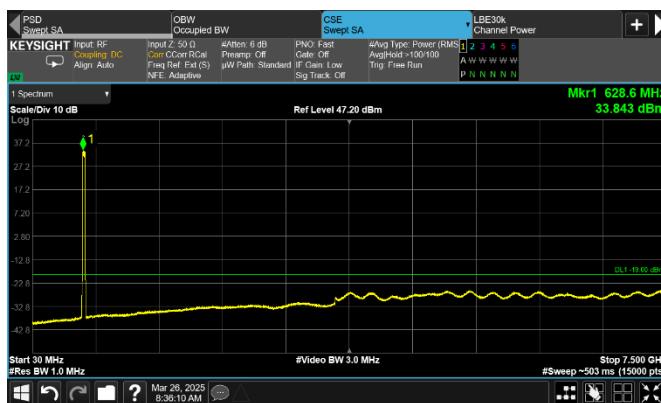


Figure 8.3-43: Conducted spurious emissions of 6 x LTE 5 MHz top channels, 6-carrier operation

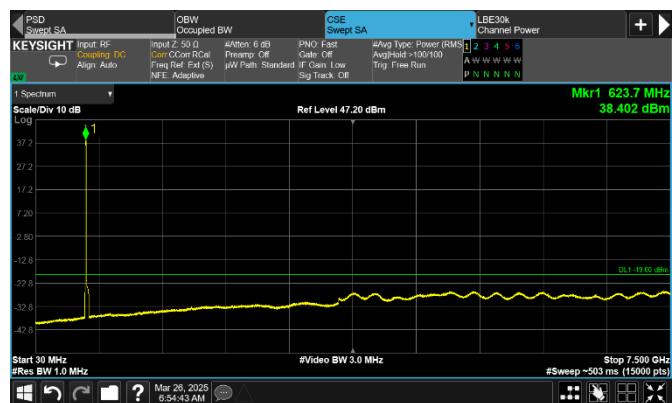


Figure 8.3-44: Conducted spurious emissions of 2 x NR 5 MHz low channels, 2-carrier operation

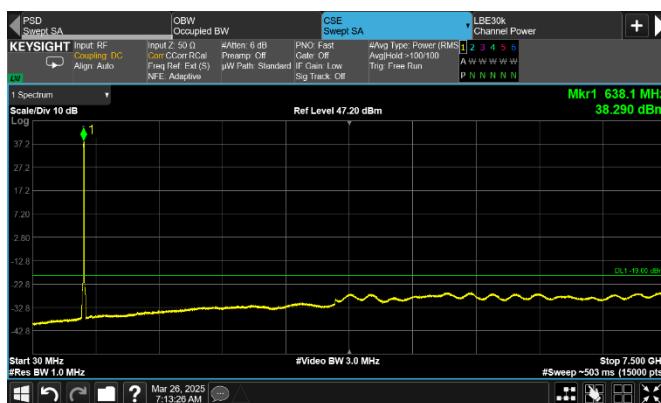


Figure 8.3-45: Conducted spurious emissions of 2 x NR 5 MHz mid channels, 2-carrier operation

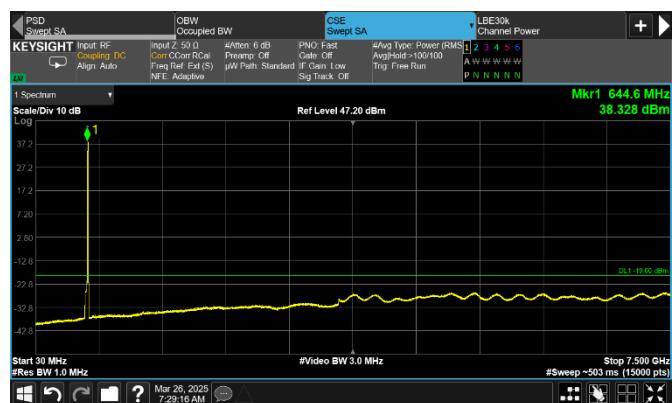


Figure 8.3-46: Conducted spurious emissions of 2 x NR 5 MHz top channels, 2-carrier operation

Test data, continued



Figure 8.3-47: Conducted spurious emissions of 2 x NR 15 MHz low channels, 2-carrier operation



Figure 8.3-48: Conducted spurious emissions of 2 x NR 15 MHz mid channels, 2-carrier operation



Figure 8.3-49: Conducted spurious emissions of 2 x NR 15 MHz top channels, 2-carrier operation



Figure 8.3-50: Conducted spurious emissions of 6 x NR 5 MHz low channels, 6-carrier operation

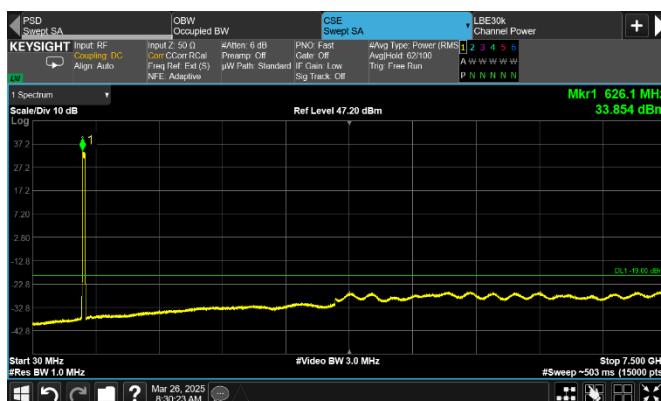


Figure 8.3-51: Conducted spurious emissions of 6 x NR 5 MHz mid channels, 6-carrier operation

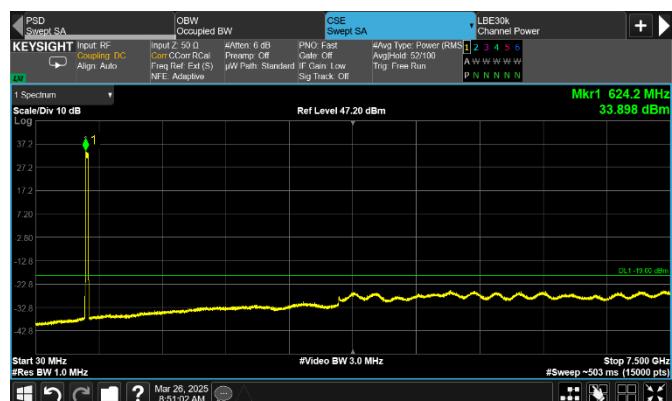


Figure 8.3-52: Conducted spurious emissions of 6 x NR 5 MHz top channels, 6-carrier operation

Test data, continued



Figure 8.3-53: Conducted spurious emissions of NR 5 MHz + LTE 5 MHz low channels, 2-carrier operation



Figure 8.3-54: Conducted spurious emissions of NR 5 MHz + LTE 5 MHz mid channels, 2-carrier operation



Figure 8.3-55: Conducted spurious emissions of NR 5 MHz + LTE 5 MHz top channels, 2-carrier operation



Figure 8.3-56: Conducted spurious emissions of NR 15 MHz + LTE 15 MHz low channels, 2-carrier operation



Figure 8.3-57: Conducted spurious emissions of NR 15 MHz + LTE 15 MHz mid channels, 2-carrier operation

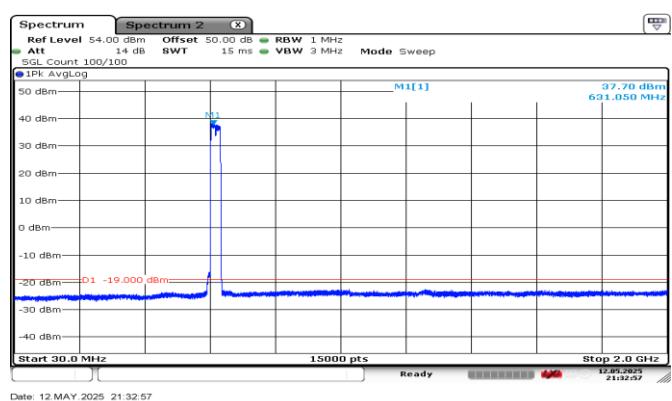


Figure 8.3-58: Conducted spurious emissions 30 MHz to 2 GHz of NR 15 MHz + LTE 15 MHz top channels, 2-carrier operation

Test data, continued

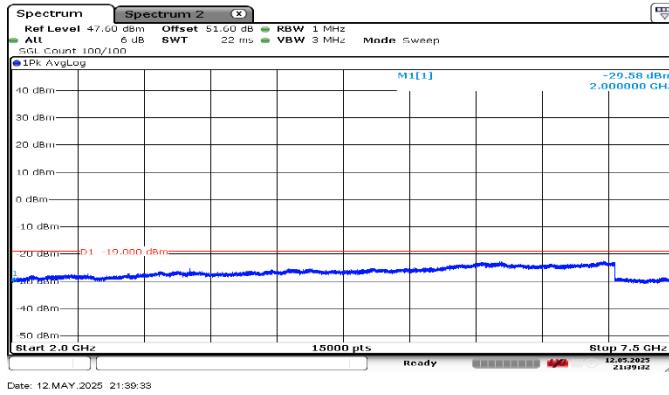


Figure 8.3-59: Conducted spurious emissions 2 GHz to 7.5 GHz of NR 15 MHz + LTE 15 MHz top channels, 2-carrier operation

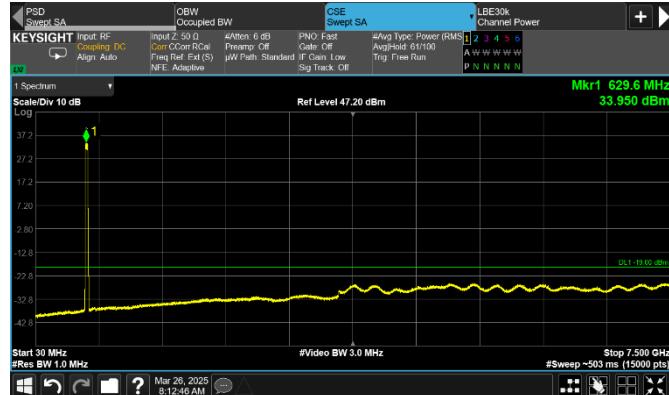


Figure 8.3-60: Conducted spurious emissions of 3 x NR 5 MHz + 3 x LTE 5 MHz low channels, 2-carrier operation



Figure 8.3-61: Conducted spurious emissions of 3 x NR 5 MHz + 3 x LTE 5 MHz mid channels, 2-carrier operation



Figure 8.3-62: Conducted spurious emissions of 3 x NR 5 MHz + 3 x LTE 5 MHz top channels, 2-carrier operation

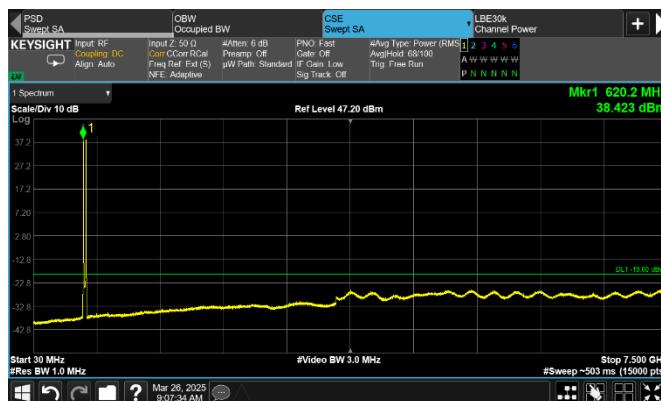


Figure 8.3-63: Conducted spurious emissions of NR 5 MHz + LTE 5 MHz channels, 2-carrier operation [Non-contiguous]

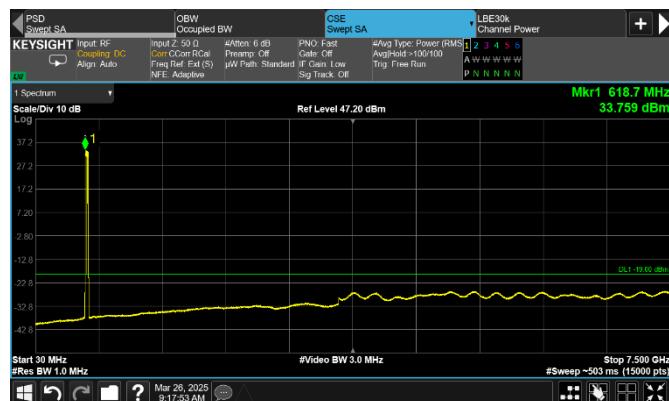


Figure 8.3-64: Conducted spurious emissions of 3 x NR 5 MHz + 3 x LTE 5 MHz channels, 2-carrier operation [Non-contiguous]

Test data, continued



Figure 8.3-65: Conducted spurious emissions of IoT SA + NR 5 MHz channels, 2-carrier operation [Non-contiguous]



Figure 8.3-66: Conducted spurious emissions of NR 5 MHz + IoT SA channels, 2-carrier operation [Non-contiguous]

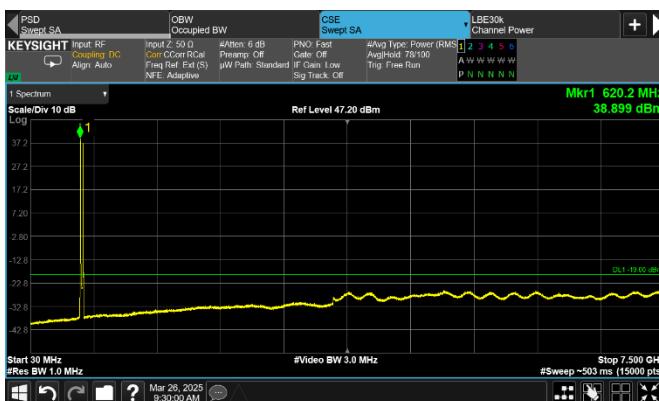


Figure 8.3-67: Conducted spurious emissions of LTE 5 MHz + IoT SA channels, 2-carrier operation [Non-contiguous]



Figure 8.3-68: Conducted spurious emissions of IoT SA + LTE 5 MHz channels, 2-carrier operation [Non-contiguous]

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be **-19 dBm** and lower.



Figure 8.3-69: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-70: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/100 kHz Notes: None



Figure 8.3-71: Conducted emission at the upper frequency block edge of low channel

Frequency: 622 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-72: Conducted emission 100 kHz away from the upper frequency block edge of low channel

Frequency: 622.1 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/100 kHz Notes: None

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be **-19 dBm** and lower.



Figure 8.3-73: Conducted emission at the upper band edge

Frequency: 652 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-74: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/100 kHz Notes: None



Figure 8.3-75: Conducted emission at the lower frequency block edge of top channel

Frequency: 647 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-76: Conducted emission 100 kHz away from the lower frequency block edge of top channel

Frequency: 646.9 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 5 MHz with IB
Limit: -19 dBm/100 kHz Notes: None

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be **-19 dBm** and lower.

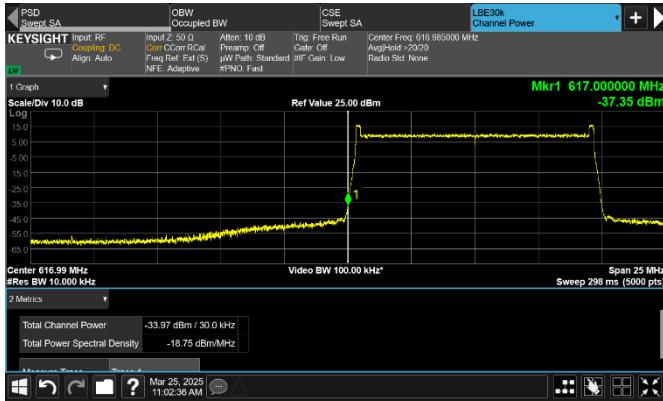


Figure 8.3-77: Conducted emission at the lower band edge

Frequency: 617 MHz
Meas. BW: 30 kHz
Limit: -19 dBm/30 kHz

Mode: Single-carrier operation
Tech.: LTE 10 MHz with GB
Notes: None

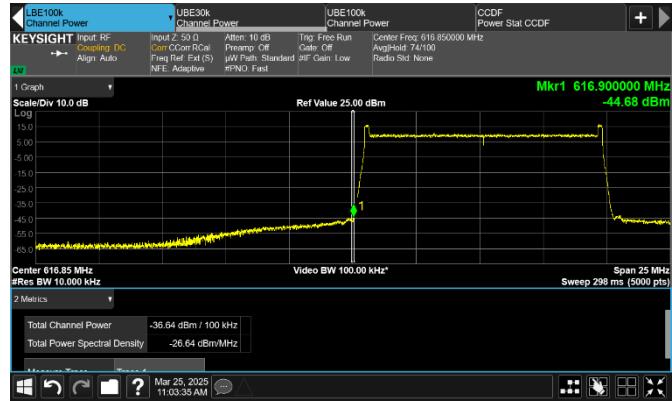


Figure 8.3-78: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz
Meas. BW: 100 kHz
Limit: -19 dBm/100 kHz

Mode: Single-carrier operation
Tech.: LTE 10 MHz with GB
Notes: None

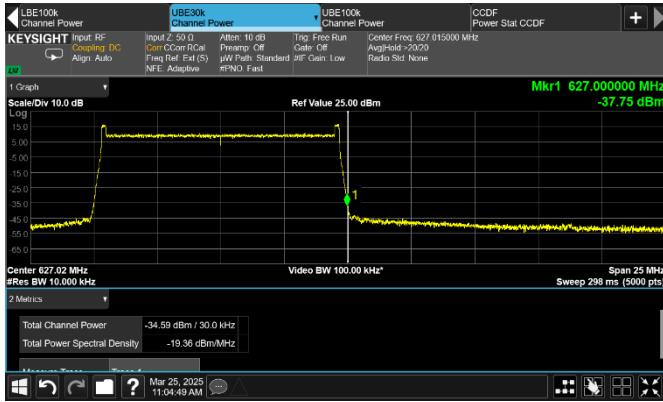


Figure 8.3-79: Conducted emission at the upper frequency block edge of low channel

Frequency: 627 MHz
Meas. BW: 30 kHz
Limit: -19 dBm/30 kHz

Mode: Single-carrier operation
Tech.: LTE 10 MHz with GB
Notes: None



Figure 8.3-80: Conducted emission 100 kHz away from the upper frequency block edge of low channel

Frequency: 627.1 MHz
Meas. BW: 100 kHz
Limit: -19 dBm/100 kHz

Mode: Single-carrier operation
Tech.: LTE 10 MHz with GB
Notes: None

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be -19 dBm and lower.

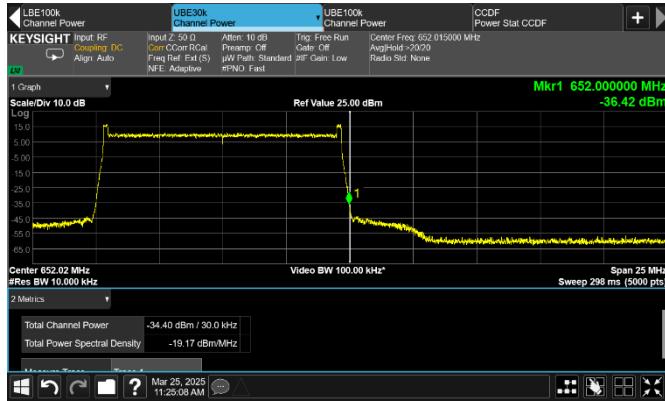


Figure 8.3-81: Conducted emission at the upper band edge

Frequency: 652 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 10 MHz with GB
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-82: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 10 MHz with GB
Limit: -19 dBm/100 kHz Notes: None



Figure 8.3-83: Conducted emission at lower frequency block edge of top channel

Frequency: 642 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 10 MHz with GB
Limit: -19 dBm/30 kHz Notes: None

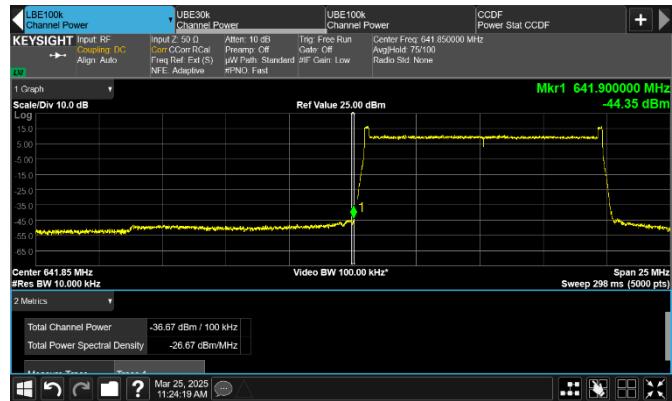


Figure 8.3-84: Conducted emission 100 kHz away from lower frequency block edge of top channel

Frequency: 641.9 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 10 MHz with GB
Limit: -19 dBm/100 kHz Notes: None

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be **-19 dBm** and lower.



Figure 8.3-85: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 15 MHz
Limit: -19 dBm/30 kHz Notes: None

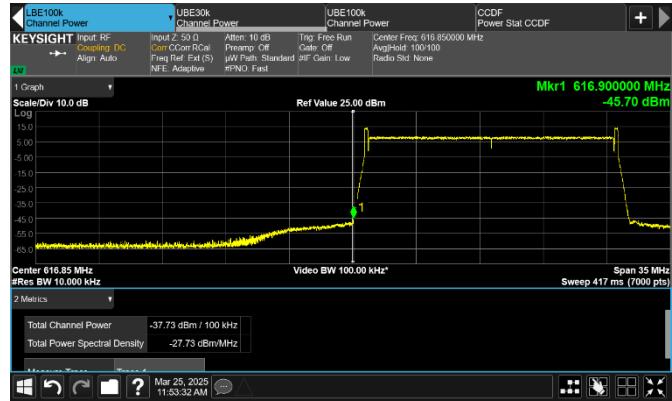


Figure 8.3-86: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 15 MHz
Limit: -19 dBm/100 kHz Notes: None



Figure 8.3-87: Conducted emission at the upper frequency block edge of low channel

Frequency: 632 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 15 MHz
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-88: Conducted emission 100 kHz away from the upper frequency block edge of low channel

Frequency: 632.1 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 15 MHz
Limit: -19 dBm/100 kHz Notes: None

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be -19 dBm and lower.



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

Frequency: 652 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 15 MHz
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-90: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 15 MHz
Limit: -19 dBm/100 kHz Notes: None

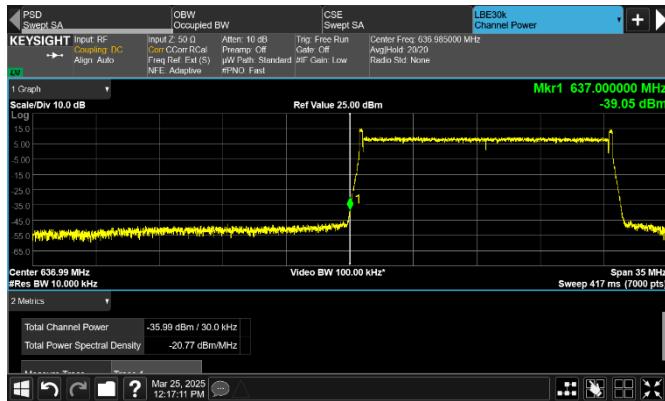


Figure 8.3-91: Conducted emission at lower frequency block edge of top channel

Frequency: 637 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 15 MHz
Limit: -19 dBm/30 kHz Notes: None

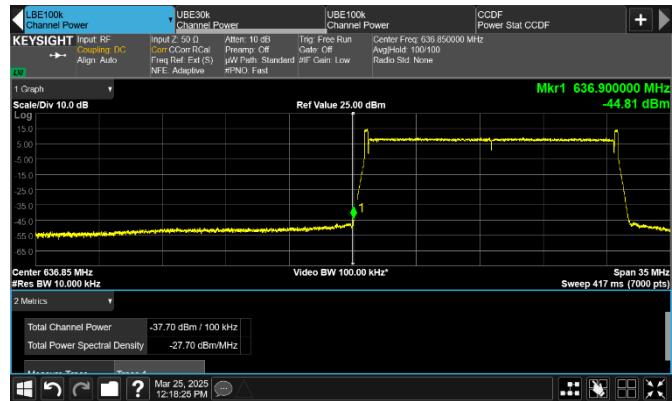


Figure 8.3-92: Conducted emission 100 kHz away from lower frequency block edge of top channel

Frequency: 636.9 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 15 MHz
Limit: -19 dBm/100 kHz Notes: None

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be **-19 dBm** and lower.

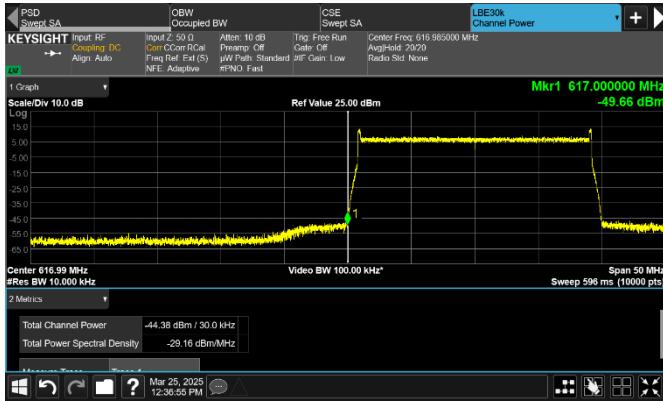


Figure 8.3-93: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 20 MHz
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-94: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 20 MHz
Limit: -19 dBm/100 kHz Notes: None



Figure 8.3-95: Conducted emission at the upper frequency block edge of low channel

Frequency: 637 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 20 MHz
Limit: -19 dBm/30 kHz Notes: None

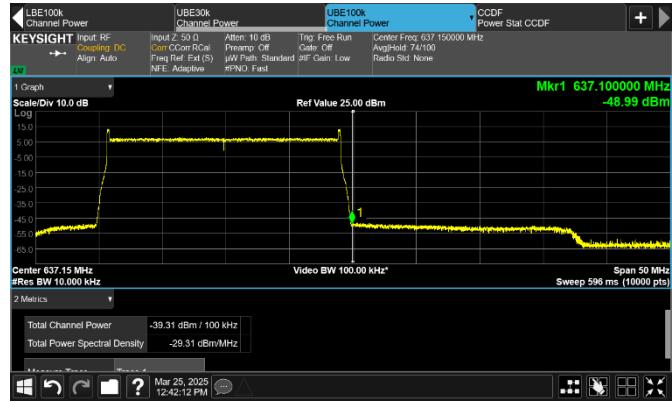


Figure 8.3-96: Conducted emission 100 kHz away from the upper frequency block edge of low channel

Frequency: 637.1 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 20 MHz
Limit: -19 dBm/100 kHz Notes: None

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be -19 dBm and lower.



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

Frequency: 652 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 20 MHz
Limit: -19 dBm/30 kHz Notes: None



Figure 8.3-98: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 20 MHz
Limit: -19 dBm/100 kHz Notes: None



Figure 8.3-99: Conducted emission at lower frequency block edge of top channel

Frequency: 632 MHz Mode: Single-carrier operation
Meas. BW: 30 kHz Tech.: LTE 20 MHz
Limit: -19 dBm/30 kHz Notes: None

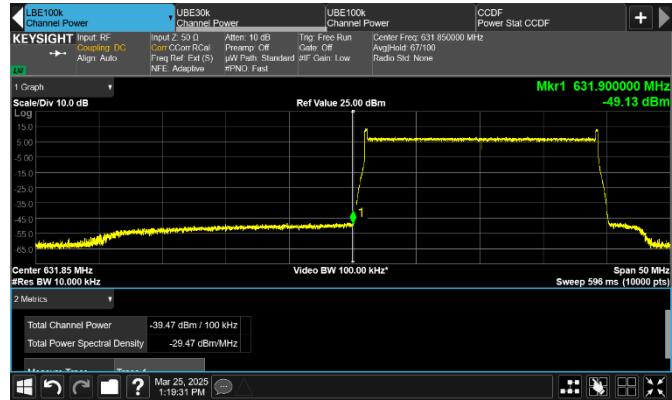


Figure 8.3-100: Conducted emission 100 kHz away from lower frequency block edge of top channel

Frequency: 631.9 MHz Mode: Single-carrier operation
Meas. BW: 100 kHz Tech.: LTE 20 MHz
Limit: -19 dBm/100 kHz Notes: None