

Test data, continued

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

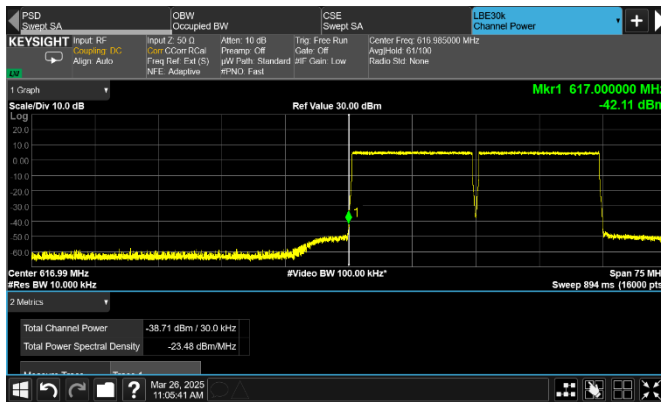


Figure 8.3-189: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: 2xNR 15 MHz  
Limit:  $-19$  dBm/30 kHz Notes: Contiguous

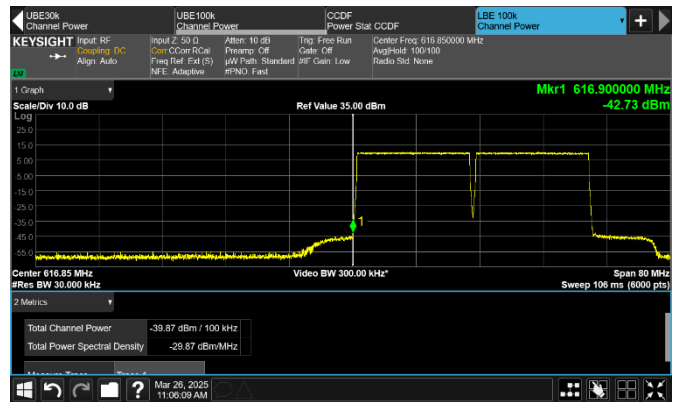


Figure 8.3-190: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: 2xNR 15 MHz  
Limit:  $-19$  dBm/100 kHz Notes: Contiguous

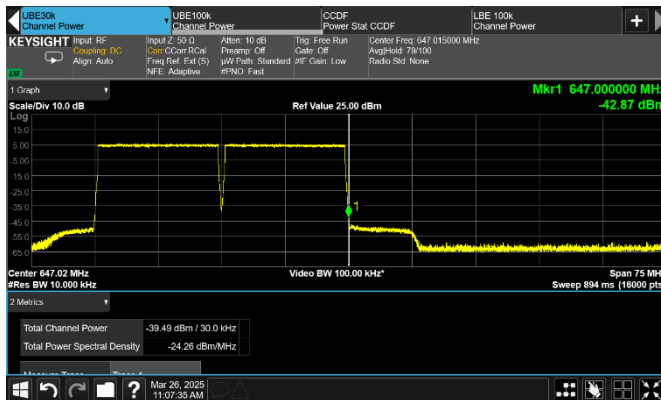


Figure 8.3-191: Conducted emission at the upper frequency block edge of low channel

Frequency: 647 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: 2xNR 15 MHz  
Limit:  $-19$  dBm/30 kHz Notes: Contiguous

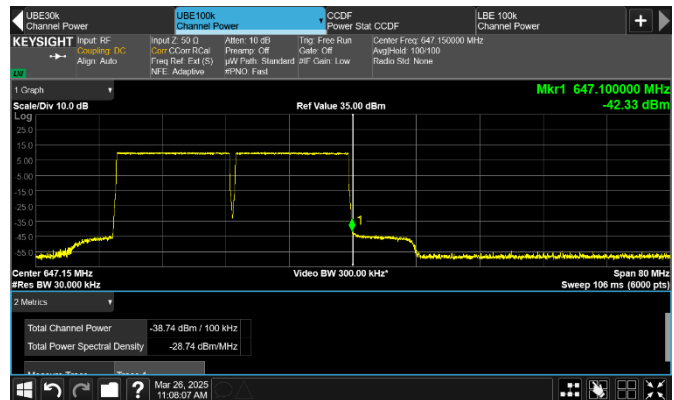


Figure 8.3-192: Conducted emission 100 kHz away from the upper frequency block edge of low channel

Frequency: 647.1 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: 2xNR 15 MHz  
Limit:  $-19$  dBm/100 kHz Notes: 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 8.3-193: Conducted emission at the upper band edge

Frequency: 652 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: 2×NR 15 MHz  
Limit:  $-19$  dBm/30 kHz Notes: Contiguous

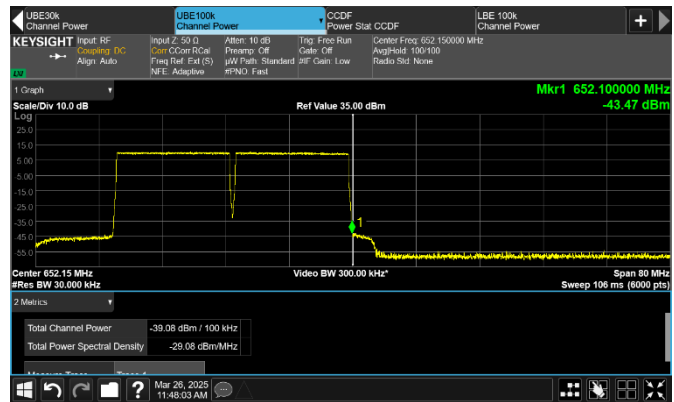


Figure 8.3-194: Conducted emission 100 kHz away from the band edge

Frequency: 652.1 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: 2×NR 15 MHz  
Limit:  $-19$  dBm/100 kHz Notes: Contiguous

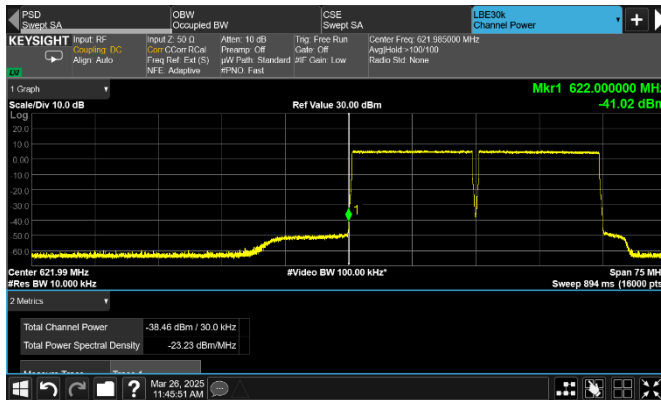


Figure 8.3-195: Conducted emission at the lower frequency block edge of top channel

Frequency: 622 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: 2×NR 15 MHz  
Limit:  $-19$  dBm/30 kHz Notes: Contiguous

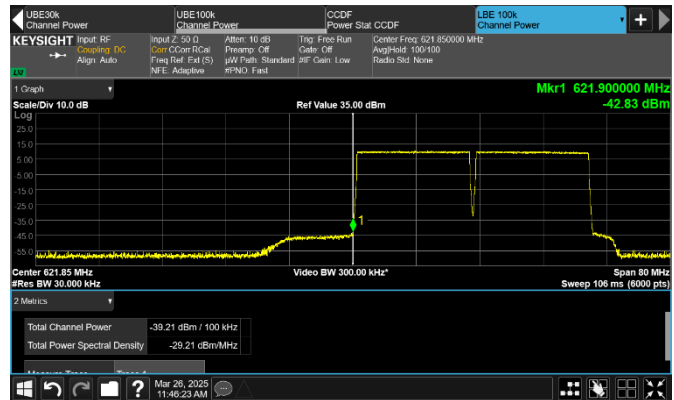


Figure 8.3-196: Conducted emission 100 kHz away from the lower frequency block edge of top channel

Frequency: 621.9 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: 2×NR 15 MHz  
Limit:  $-19$  dBm/100 kHz Notes: 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.

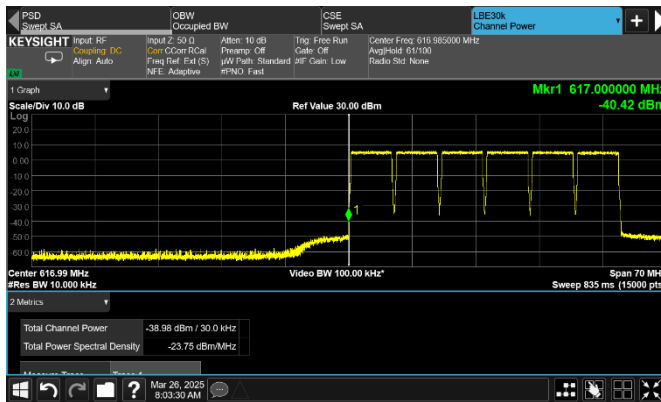


Figure 8.3-197: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: 6-carrier operation  
Meas. BW: 30 kHz Tech.: 6×NR 5 MHz  
Limit: –19 dBm/30 kHz Notes: Contiguous

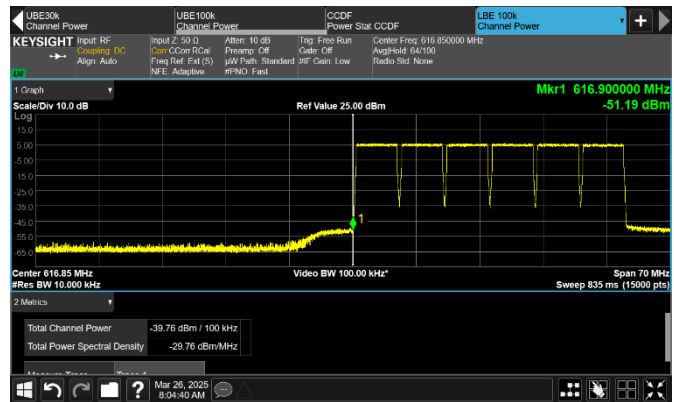


Figure 8.3-198: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: 6-carrier operation  
Meas. BW: 100 kHz Tech.: 6×NR 5 MHz  
Limit: –19 dBm/100 kHz Notes: Contiguous



Figure 8.3-199: Conducted emission at the upper frequency block edge of low channel

Frequency: 647 MHz Mode: 6-carrier operation  
Meas. BW: 30 kHz Tech.: 6×NR 5 MHz  
Limit: –19 dBm/30 kHz Notes: Contiguous



Figure 8.3-200: Conducted emission 100 kHz away from the upper frequency block edge of low channel

Frequency: 647.1 MHz Mode: 6-carrier operation  
Meas. BW: 100 kHz Tech.: 6×NR 5 MHz  
Limit: –19 dBm/100 kHz Notes: 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 8.3-201: Conducted emission at the upper band edge

Frequency: 652 MHz Mode: 6-carrier operation  
Meas. BW: 30 kHz Tech.: 6×NR 5 MHz  
Limit:  $-19$  dBm/30 kHz Notes: Contiguous

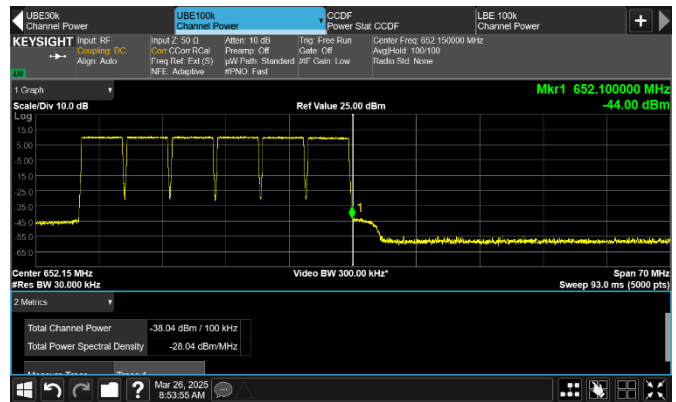


Figure 8.3-202: Conducted emission 100 kHz away from the band edge

Frequency: 652.1 MHz Mode: 6-carrier operation  
Meas. BW: 100 kHz Tech.: 6×NR 5 MHz  
Limit:  $-19$  dBm/100 kHz Notes: Contiguous

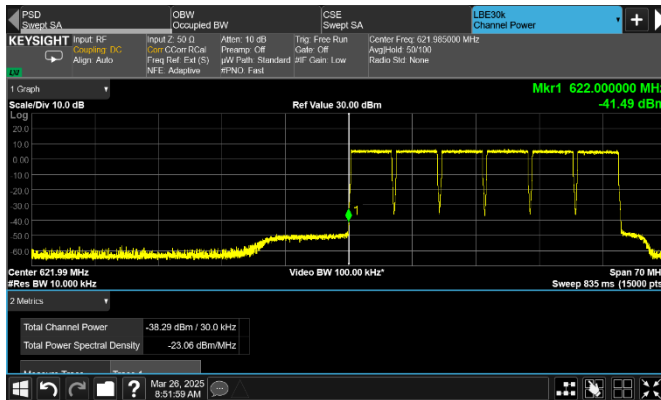


Figure 8.3-203: Conducted emission at the lower frequency block edge of top channel

Frequency: 622 MHz Mode: 6-carrier operation  
Meas. BW: 30 kHz Tech.: 6×NR 5 MHz  
Limit:  $-19$  dBm/30 kHz Notes: Contiguous

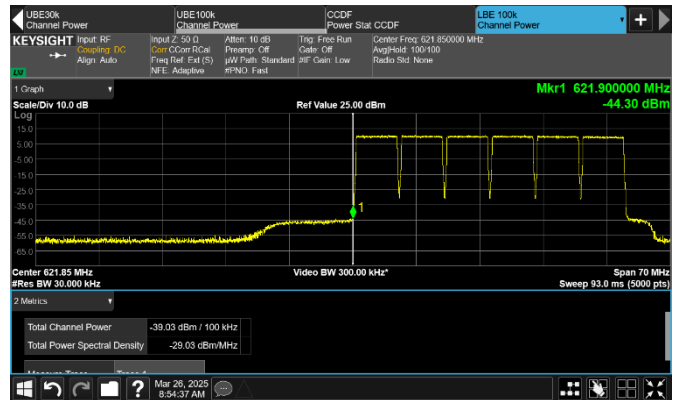


Figure 8.3-204: Conducted emission 100 kHz away from the lower frequency block edge of top channel

Frequency: 621.9 MHz Mode: 6-carrier operation  
Meas. BW: 100 kHz Tech.: 6×NR 5 MHz  
Limit:  $-19$  dBm/100 kHz Notes: 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 8.3-205: Conducted emission at the lower band edge

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

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Contiguous

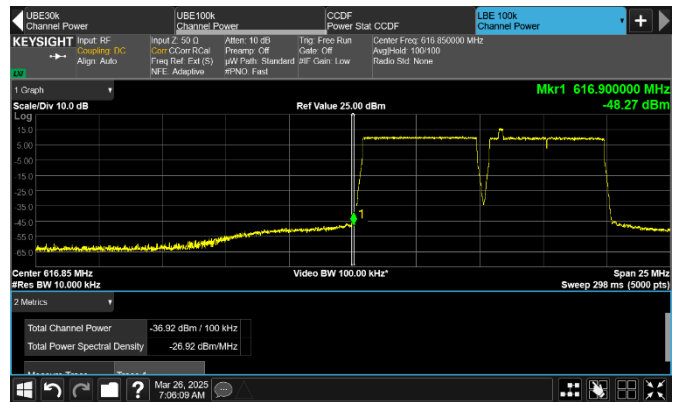


Figure 8.3-206: Conducted emission 100 kHz away from the lower band edge

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

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Contiguous

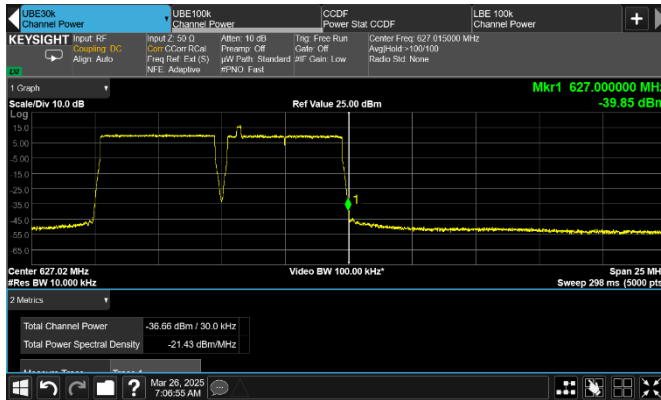


Figure 8.3-207: Conducted emission at the upper frequency block edge of low channels

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

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Contiguous

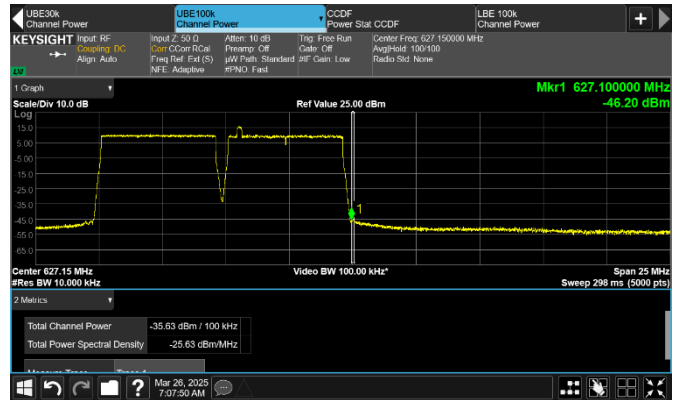


Figure 8.3-208: Conducted emission 100 kHz away from the upper frequency block edge of low channels

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

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: 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.

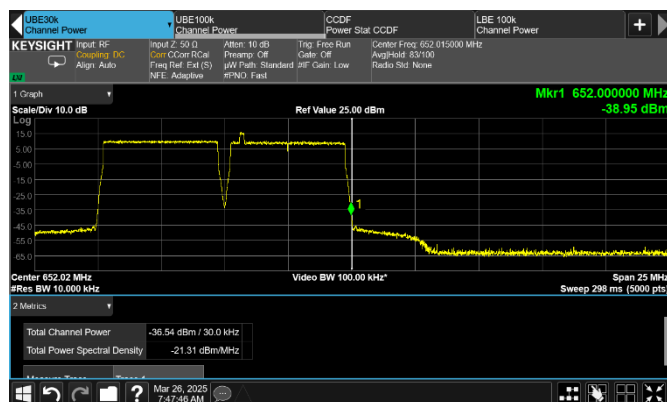


Figure 8.3-209: Conducted emission at the upper band edge

Frequency: 652 MHz  
Meas. BW: 30 kHz  
Limit:  $-19$  dBm/30 kHz

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Contiguous

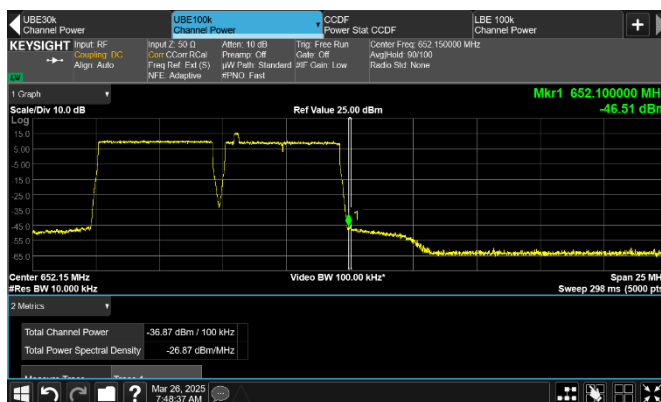


Figure 8.3-210: Conducted emission 100 kHz away from the band edge

Frequency: 652.1 MHz  
Meas. BW: 100 kHz  
Limit:  $-19$  dBm/100 kHz

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Contiguous

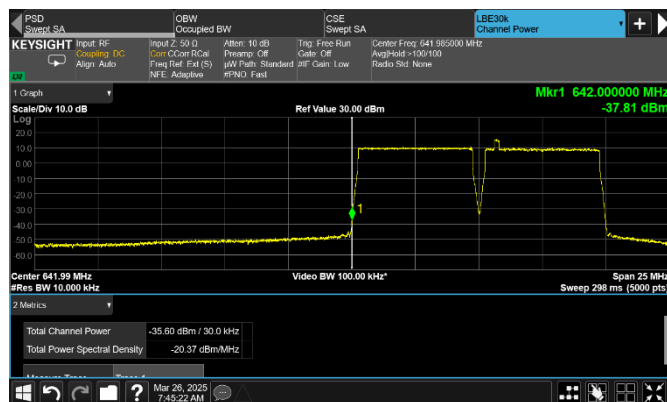


Figure 8.3-211: Conducted emission at the lower frequency block edge of top channels

Frequency: 642 MHz  
Meas. BW: 30 kHz  
Limit:  $-19$  dBm/30 kHz

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Contiguous

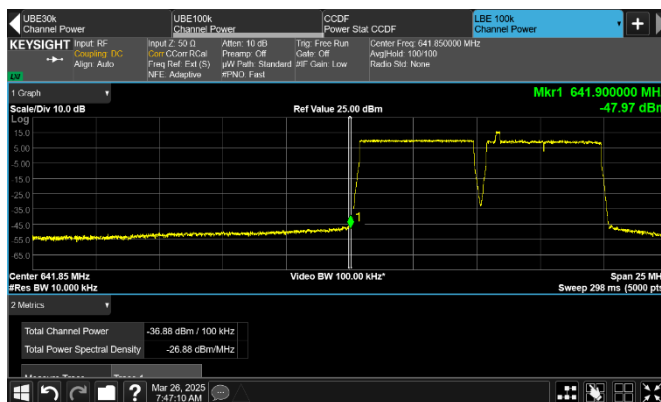


Figure 8.3-212: Conducted emission 100 kHz away from the lower frequency block edge of top channels

Frequency: 641.9 MHz  
Meas. BW: 100 kHz  
Limit:  $-19$  dBm/100 kHz

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: 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.

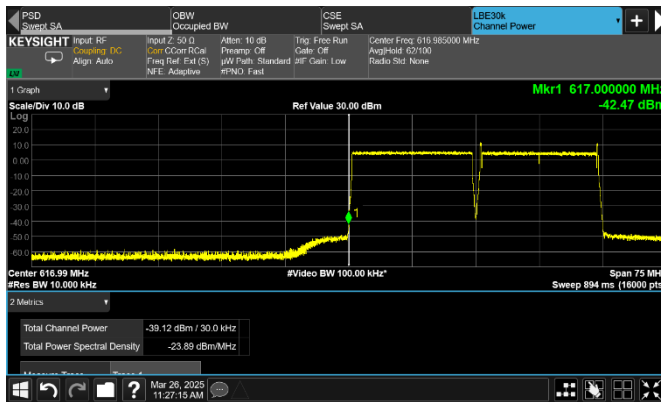


Figure 8.3-213: Conducted emission at the lower band edge

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

Mode: 2-carrier operation  
Tech.: NR 15 MHz + LTE 15 MHz  
Notes: Contiguous

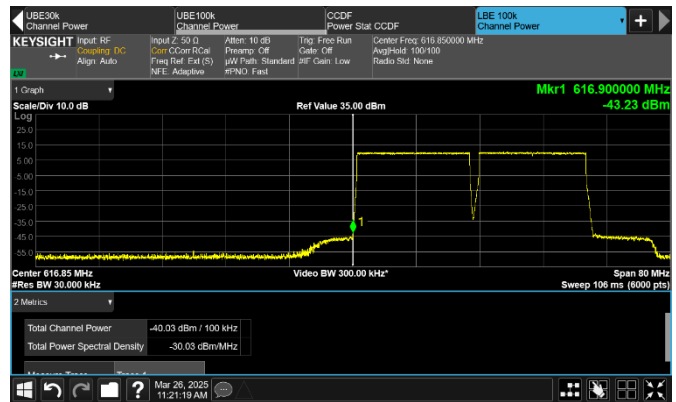


Figure 8.3-214: Conducted emission 100 kHz away from the lower band edge

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

Mode: 2-carrier operation  
Tech.: NR 15 MHz + LTE 15 MHz  
Notes: Contiguous



Figure 8.3-215: Conducted emission at the upper frequency block edge of low channels

Frequency: 647 MHz  
Meas. BW: 30 kHz  
Limit: –19 dBm/30 kHz

Mode: 2-carrier operation  
Tech.: NR 15 MHz + LTE 15 MHz  
Notes: Contiguous

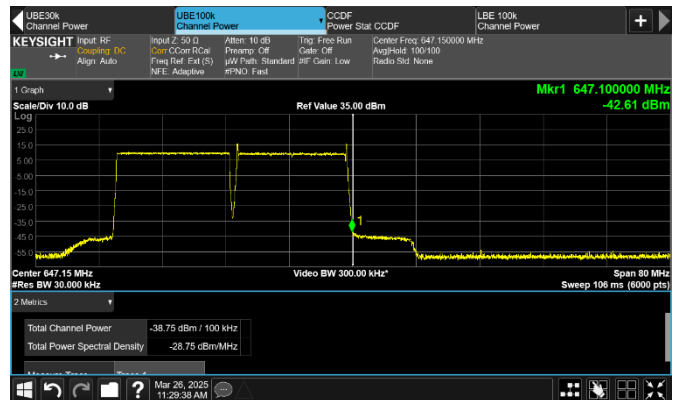


Figure 8.3-216: Conducted emission 100 kHz away from the upper frequency block edge of low channels

Frequency: 647.1 MHz  
Meas. BW: 100 kHz  
Limit: –19 dBm/100 kHz

Mode: 2-carrier operation  
Tech.: NR 15 MHz + LTE 15 MHz  
Notes: 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 8.3-217: Conducted emission at the upper band edge

Frequency: 652 MHz  
Meas. BW: 30 kHz  
Limit:  $-19$  dBm/30 kHz  
Mode: 2-carrier operation  
Tech.: NR 15 MHz + LTE 15 MHz  
Notes: Contiguous



Figure 8.3-218: Conducted emission 100 kHz away from the band edge

Frequency: 652.1 MHz  
Meas. BW: 100 kHz  
Limit:  $-19$  dBm/100 kHz  
Mode: 2-carrier operation  
Tech.: NR 15 MHz + LTE 15 MHz  
Notes: Contiguous

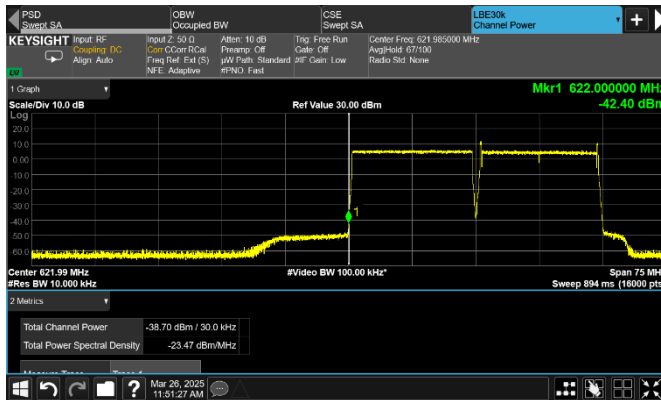


Figure 8.3-219: Conducted emission at the lower frequency block edge of top channels

Frequency: 622 MHz  
Meas. BW: 30 kHz  
Limit:  $-19$  dBm/30 kHz  
Mode: 2-carrier operation  
Tech.: NR 15 MHz + LTE 15 MHz  
Notes: Contiguous

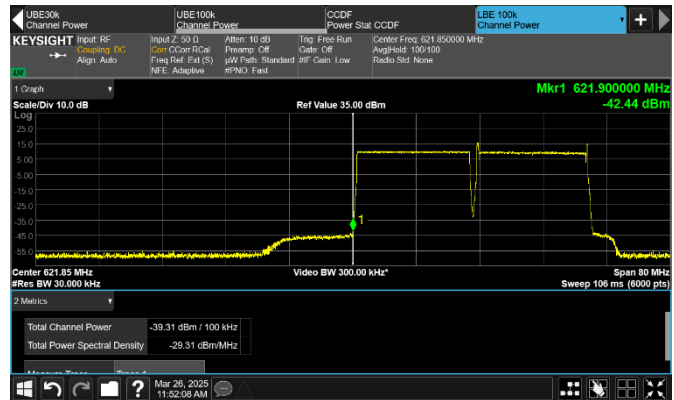


Figure 8.3-220: Conducted emission 100 kHz away from the lower frequency block edge of top channels

Frequency: 621.9 MHz  
Meas. BW: 100 kHz  
Limit:  $-19$  dBm/100 kHz  
Mode: 2-carrier operation  
Tech.: NR 15 MHz + LTE 15 MHz  
Notes: 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.

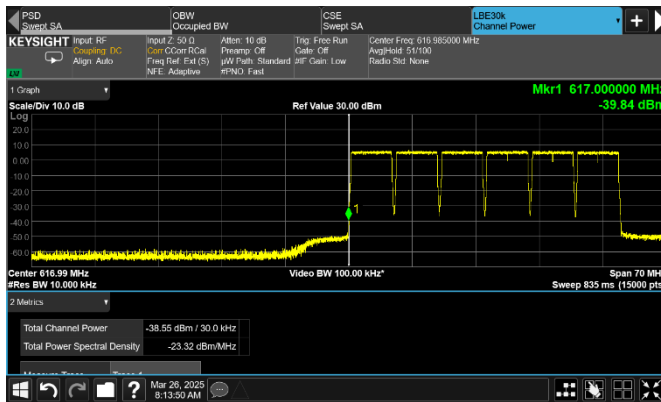


Figure 8.3-221: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: 6-carrier operation  
Meas. BW: 30 kHz Tech.: 3xNR 5 MHz + 3xLTE 5 MHz (with IB)  
Limit:  $-19$  dBm/30 kHz Notes: Contiguous

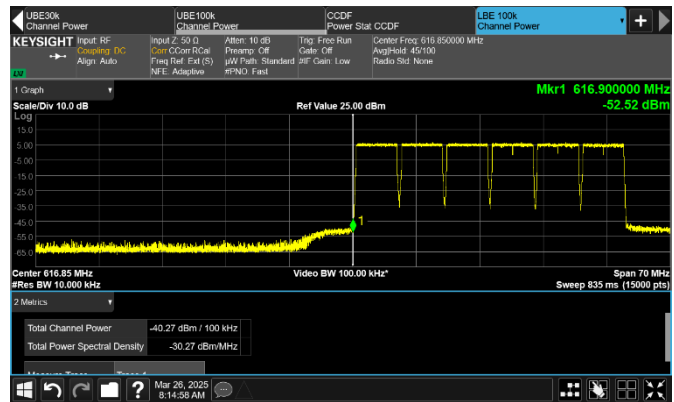


Figure 8.3-222: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: 6-carrier operation  
Meas. BW: 100 kHz Tech.: 3xNR 5 MHz + 3xLTE 5 MHz (with IB)  
Limit:  $-19$  dBm/100 kHz Notes: Contiguous



Figure 8.3-223: Conducted emission at the upper frequency block edge of low channels

Frequency: 647 MHz Mode: 6-carrier operation  
Meas. BW: 30 kHz Tech.: 3xNR 5 MHz + 3xLTE 5 MHz (with IB)  
Limit:  $-19$  dBm/30 kHz Notes: Contiguous



Figure 8.3-224: Conducted emission 100 kHz away from the upper frequency block edge of low channels

Frequency: 647.1 MHz Mode: 6-carrier operation  
Meas. BW: 100 kHz Tech.: 3xNR 5 MHz + 3xLTE 5 MHz (with IB)  
Limit:  $-19$  dBm/100 kHz Notes: 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.

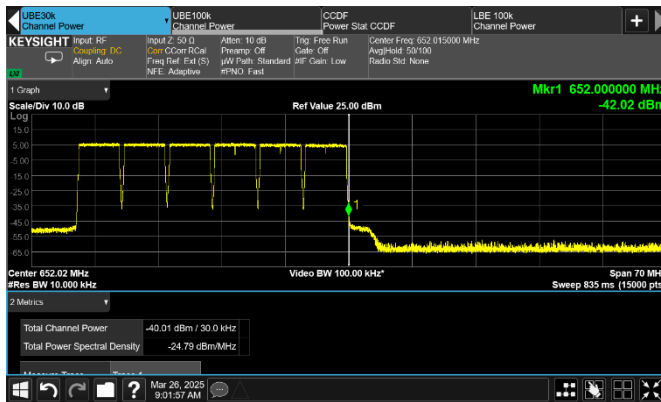


Figure 8.3-225: Conducted emission at the upper band edge

Frequency: 652 MHz  
Meas. BW: 30 kHz  
Limit:  $-19$  dBm/30 kHz

Mode: 6-carrier operation  
Tech.: 3xNR 5 MHz + 3xLTE 5 MHz (with IB)  
Notes: Contiguous

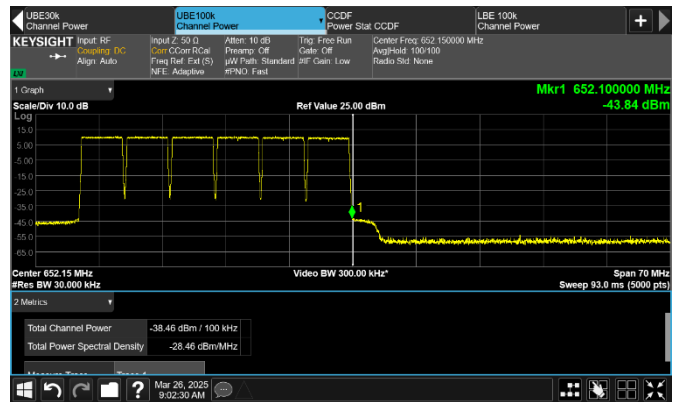


Figure 8.3-226: Conducted emission 100 kHz away from the band edge

Frequency: 652.1 MHz  
Meas. BW: 100 kHz  
Limit:  $-19$  dBm/100 kHz

Mode: 6-carrier operation  
Tech.: 3xNR 5 MHz + 3xLTE 5 MHz (with IB)  
Notes: Contiguous

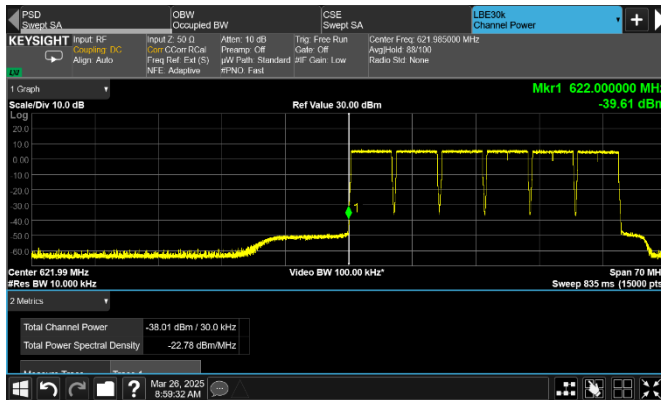


Figure 8.3-227: Conducted emission at the lower frequency block edge of top channels

Frequency: 622 MHz  
Meas. BW: 30 kHz  
Limit:  $-19$  dBm/30 kHz

Mode: 6-carrier operation  
Tech.: 3xNR 5 MHz + 3xLTE 5 MHz (with IB)  
Notes: Contiguous

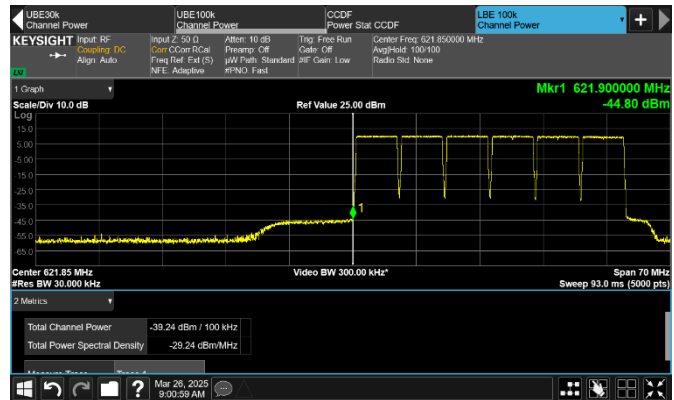


Figure 8.3-228: Conducted emission 100 kHz away from the lower frequency block edge of top channels

Frequency: 621.9 MHz  
Meas. BW: 100 kHz  
Limit:  $-19$  dBm/100 kHz

Mode: 6-carrier operation  
Tech.: 3xNR 5 MHz + 3xLTE 5 MHz (with IB)  
Notes: 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.

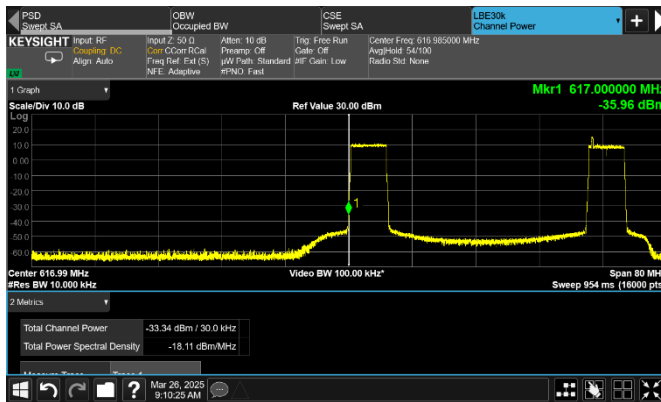


Figure 8.3-229: Conducted emission at the lower band edge

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

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Non-contiguous

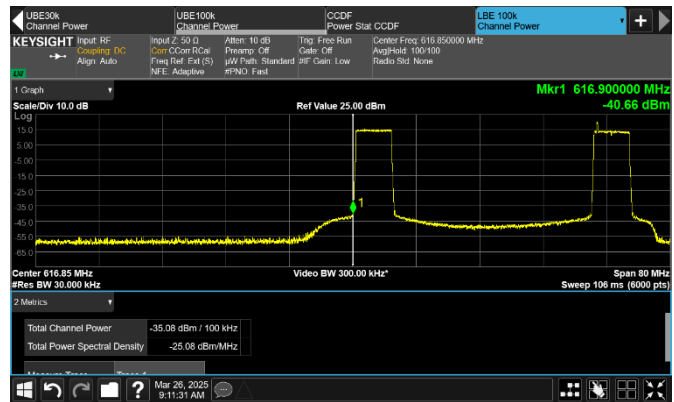


Figure 8.3-230: Conducted emission 100 kHz away from the lower band edge

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

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Non-contiguous

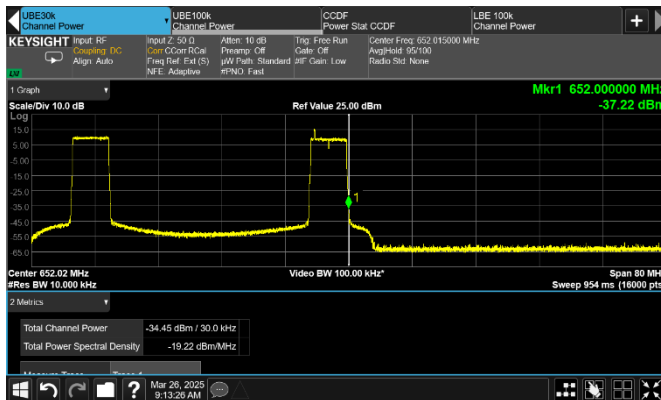


Figure 8.3-231: Conducted emission at the upper band edge

Frequency: 652 MHz  
Meas. BW: 30 kHz  
Limit: –19 dBm/30 kHz

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: Non-contiguous

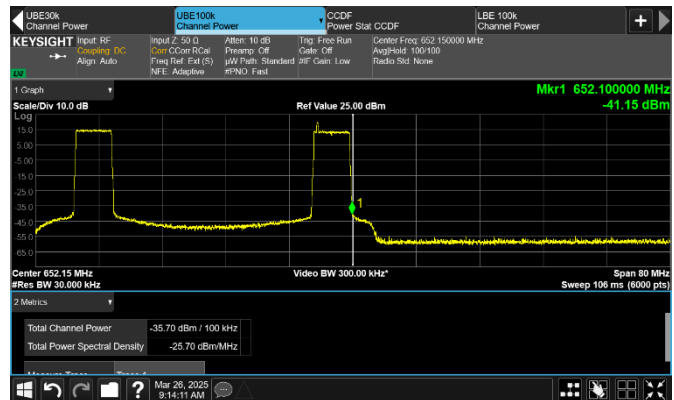


Figure 8.3-232: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz  
Meas. BW: 100 kHz  
Limit: –19 dBm/100 kHz

Mode: 2-carrier operation  
Tech.: NR 5 MHz + LTE 5 MHz (with IB)  
Notes: 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.

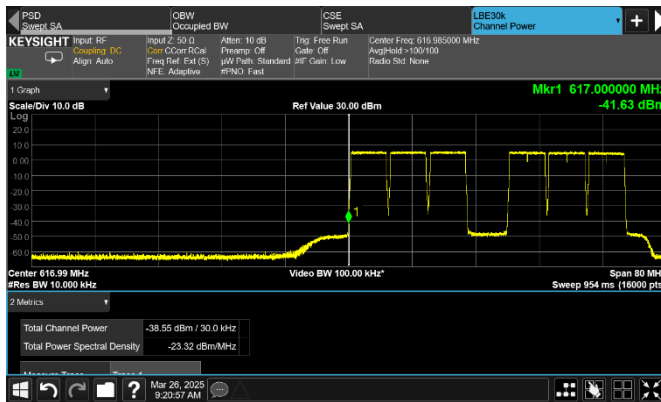


Figure 8.3-233: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: 6-carrier operation  
Meas. BW: 30 kHz Tech.: 3×NR 5 MHz + 3×LTE 5 MHz  
Limit: –19 dBm/30 kHz Notes: Non-contiguous

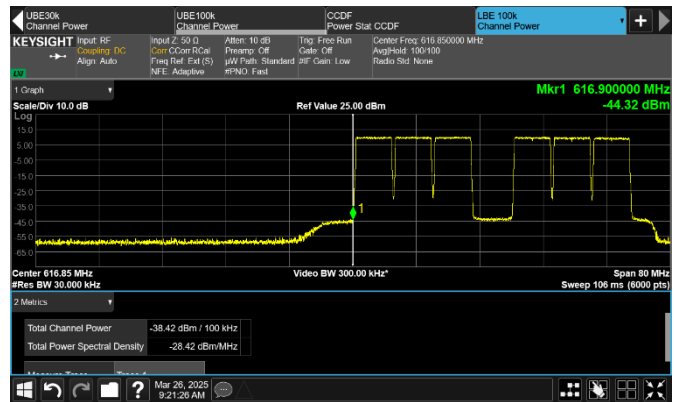


Figure 8.3-234: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: 6-carrier operation  
Meas. BW: 100 kHz Tech.: 3×NR 5 MHz + 3×LTE 5 MHz  
Limit: –19 dBm/100 kHz Notes: Non-contiguous

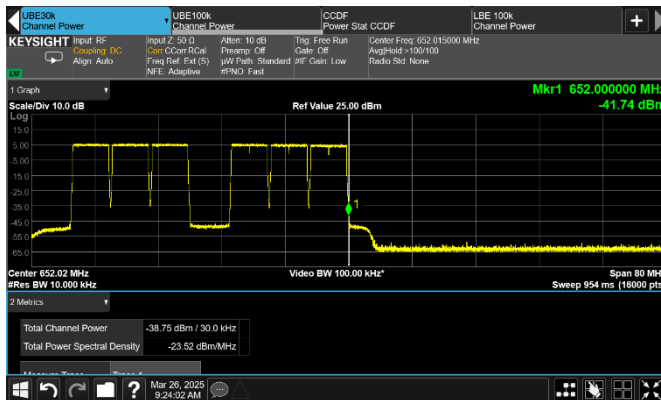


Figure 8.3-235: Conducted emission at the upper band edge

Frequency: 652 MHz Mode: 6-carrier operation  
Meas. BW: 30 kHz Tech.: 3×NR 5 MHz + 3×LTE 5 MHz  
Limit: –19 dBm/30 kHz Notes: Non-contiguous

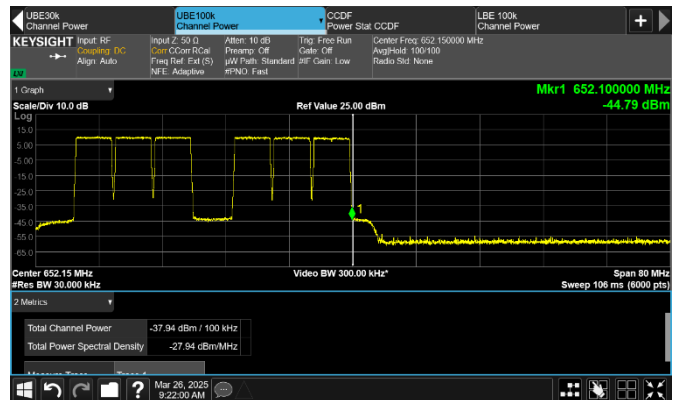


Figure 8.3-236: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz Mode: 6-carrier operation  
Meas. BW: 100 kHz Tech.: 3×NR 5 MHz + 3×LTE 5 MHz  
Limit: –19 dBm/100 kHz Notes: Non-contiguous

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be –16 dBm and lower.

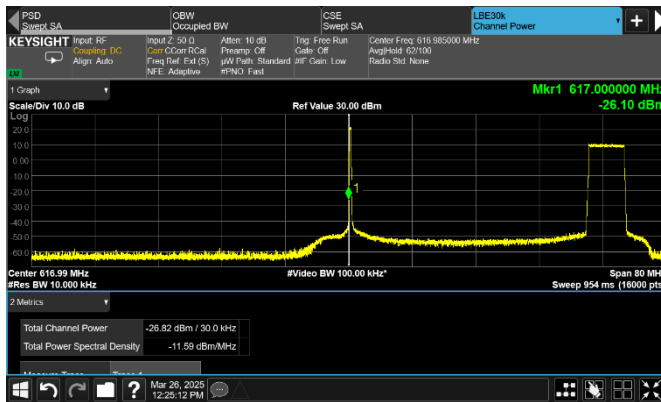


Figure 8.3-237: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: IoT SA + NR 5 MHz  
Limit: –16 dBm/30 kHz Notes: Non-contiguous

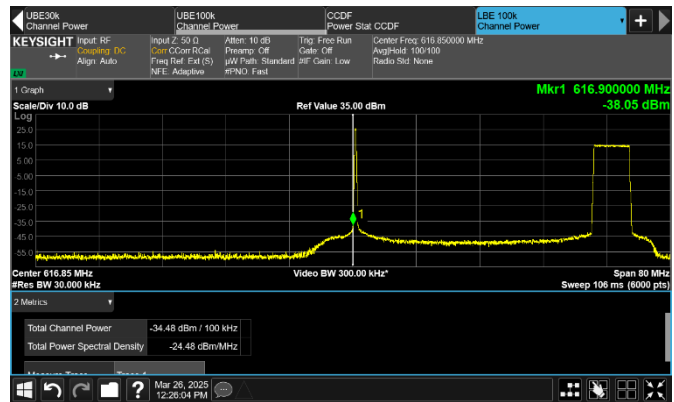


Figure 8.3-238: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: IoT SA + NR 5 MHz  
Limit: –16 dBm/100 kHz Notes: Non-contiguous

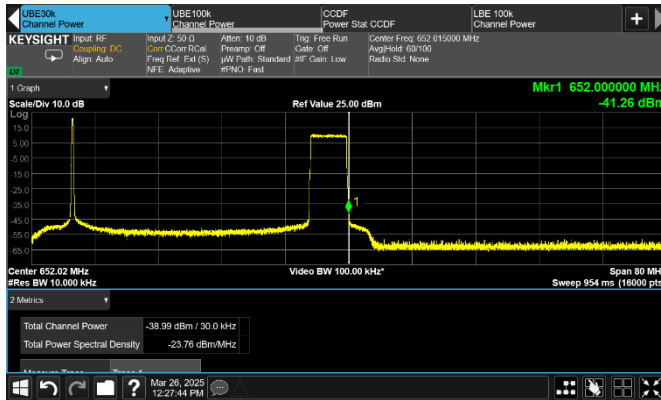


Figure 8.3-239: Conducted emission at the upper band edge

Frequency: 652 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: IoT SA + NR 5 MHz  
Limit: –16 dBm/30 kHz Notes: Non-contiguous

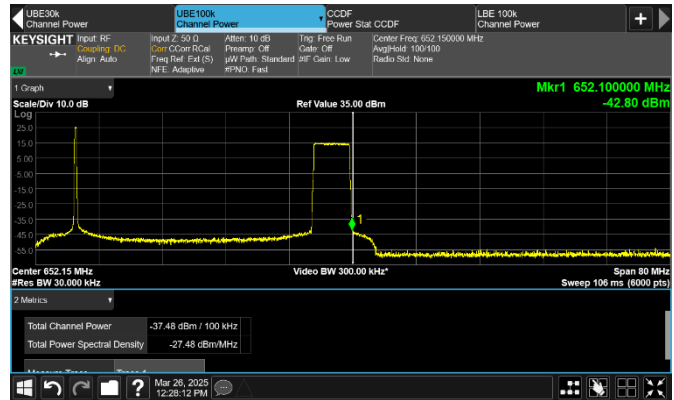


Figure 8.3-240: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: IoT SA + NR 5 MHz  
Limit: –16 dBm/100 kHz Notes: Non-contiguous

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be  $-16$  dBm and lower.

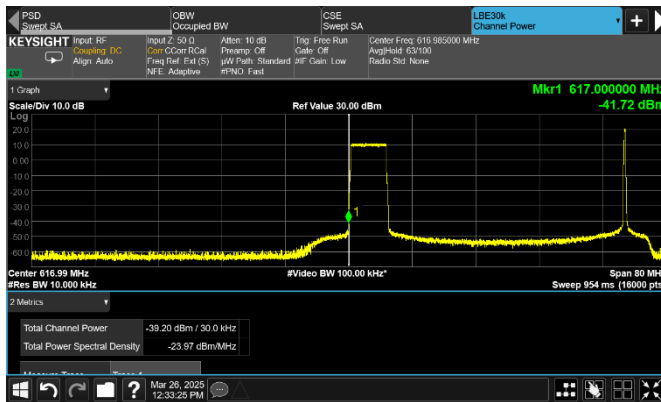


Figure 8.3-241: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: NR 5 MHz + IoT SA  
Limit:  $-16$  dBm/30 kHz Notes: Non-contiguous

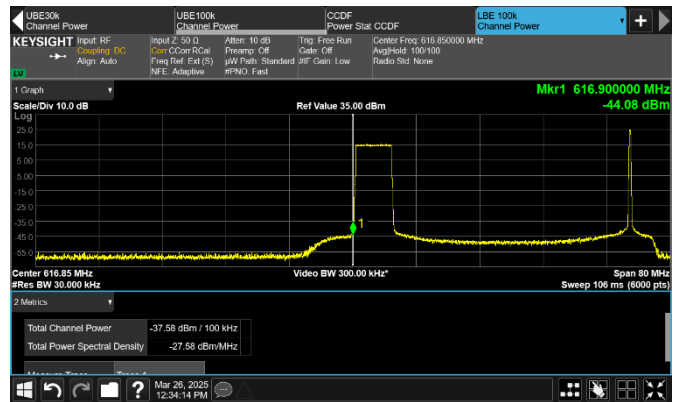


Figure 8.3-242: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: NR 5 MHz + IoT SA  
Limit:  $-16$  dBm/100 kHz Notes: Non-contiguous

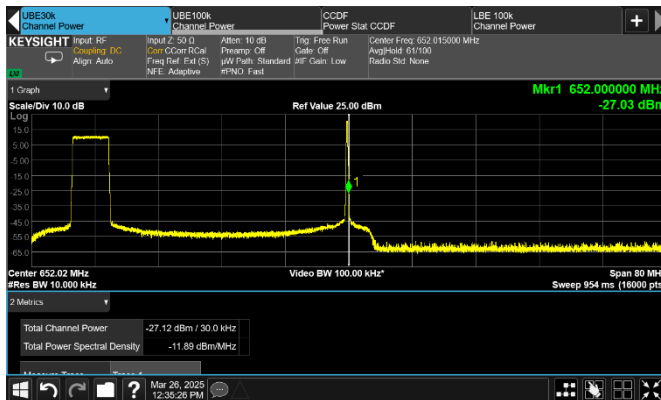


Figure 8.3-243: Conducted emission at the upper band edge

Frequency: 652 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: NR 5 MHz + IoT SA  
Limit:  $-16$  dBm/30 kHz Notes: Non-contiguous

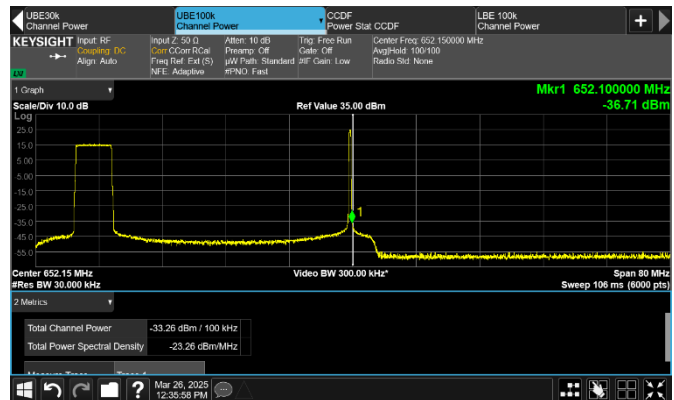


Figure 8.3-244: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: NR 5 MHz + IoT SA  
Limit:  $-16$  dBm/100 kHz Notes: Non-contiguous

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be  $-16$  dBm and lower.

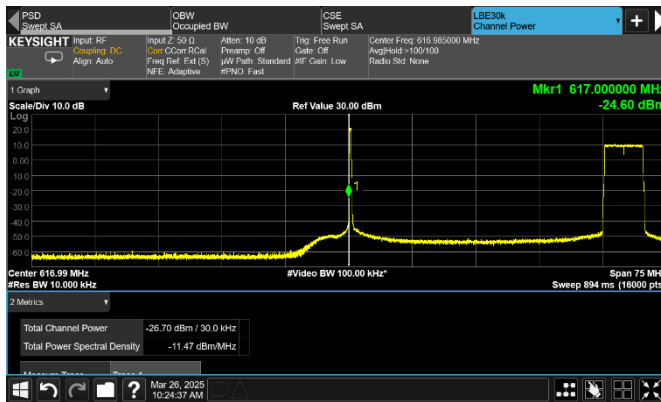


Figure 8.3-245: Conducted emission at the lower band edge

Frequency: 617 MHz  
Meas. BW: 30 kHz  
Limit:  $-16$  dBm/30 kHz

Mode: 2-carrier operation  
Tech.: IoT SA + LTE 5 MHz  
Notes: Non-contiguous

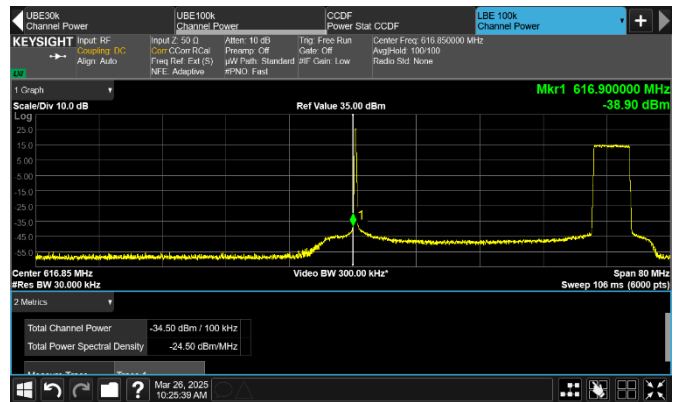


Figure 8.3-246: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz  
Meas. BW: 100 kHz  
Limit:  $-16$  dBm/100 kHz

Mode: 2-carrier operation  
Tech.: IoT SA + LTE 5 MHz  
Notes: Non-contiguous

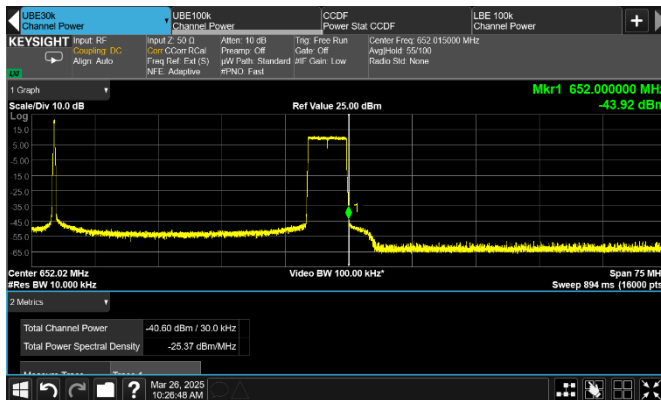


Figure 8.3-247: Conducted emission at the upper band edge

Frequency: 652 MHz  
Meas. BW: 30 kHz  
Limit:  $-16$  dBm/30 kHz

Mode: 2-carrier operation  
Tech.: IoT SA + LTE 5 MHz  
Notes: Non-contiguous



Figure 8.3-248: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz  
Meas. BW: 100 kHz  
Limit:  $-16$  dBm/100 kHz

Mode: 2-carrier operation  
Tech.: IoT SA + LTE 5 MHz  
Notes: Non-contiguous

Test data, continued

On the plots below the measured *Channel Power* value in the “*Total Channel Power*” column must be  $-16$  dBm and lower.

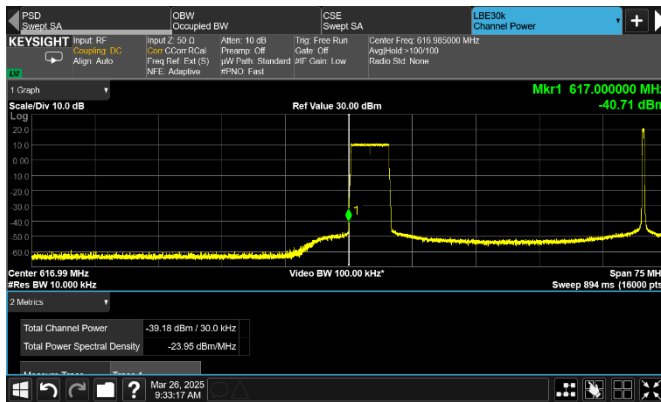


Figure 8.3-249: Conducted emission at the lower band edge

Frequency: 617 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: LTE 5 MHz + IoT SA  
Limit:  $-16$  dBm/30 kHz Notes: Non-contiguous

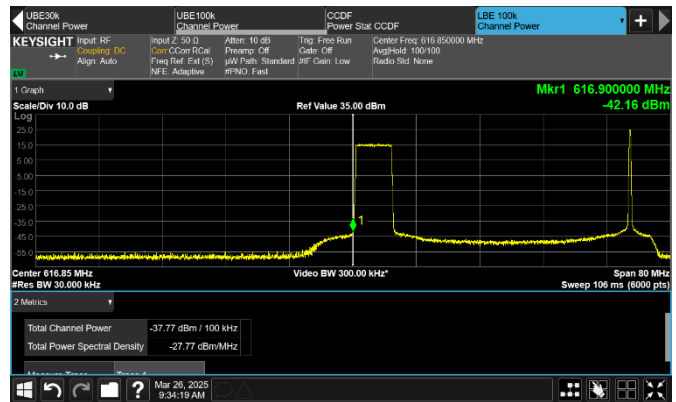


Figure 8.3-250: Conducted emission 100 kHz away from the lower band edge

Frequency: 616.9 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: LTE 5 MHz + IoT SA  
Limit:  $-16$  dBm/100 kHz Notes: Non-contiguous

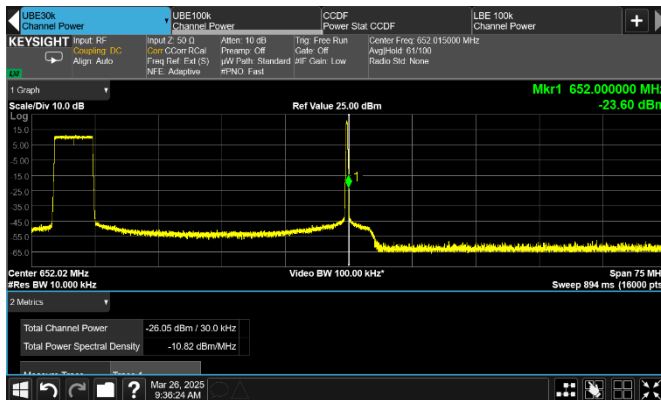


Figure 8.3-251: Conducted emission at the upper band edge

Frequency: 652 MHz Mode: 2-carrier operation  
Meas. BW: 30 kHz Tech.: LTE 5 MHz + IoT SA  
Limit:  $-16$  dBm/30 kHz Notes: Non-contiguous

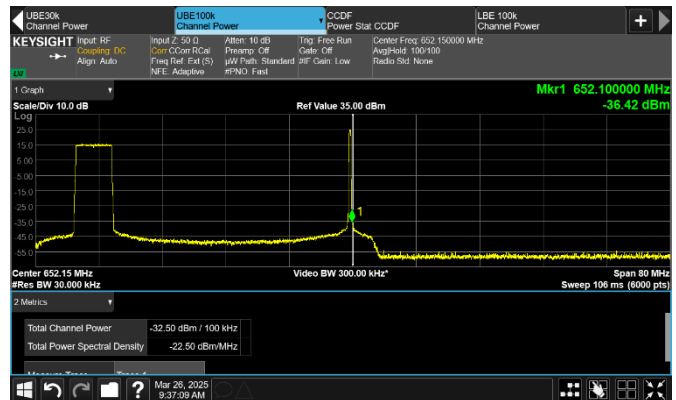


Figure 8.3-252: Conducted emission 100 kHz away from the upper band edge

Frequency: 652.1 MHz Mode: 2-carrier operation  
Meas. BW: 100 kHz Tech.: LTE 5 MHz + IoT SA  
Limit:  $-16$  dBm/100 kHz Notes: Non-contiguous



## 8.4 Spurious emissions at RF antenna connector (B85A)

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### 8.4.1 Definitions and limits

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#### FCC §27.53: Emission limits

(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.

#### RSS-130, Section 4.7.1: Transmitter Unwanted Emissions

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least  $43 + 10 \log_{10} p$  (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

### 8.4.2 Test summary

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Test date	March 25, 2025 to March 27, 2025
Test engineer	Dhara Patel

### 8.4.3 Observations, settings and special notes

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The spectrum was analyzed from 30 MHz to the 10th harmonic. All measurements were conducted using an average (RMS) detector in accordance with ANSI C63.26 Paragraph 5.7.2.

All NR and LTE limit lines were adjusted for MIMO operation by 6 dB, for example:  $-13 \text{ dBm} - 6 \text{ dB} = -19 \text{ dBm}$ .  
MIMO correction factor for 4 antenna ports:  $10 \times \log_{10}(4) = 6 \text{ dB}$ .

All NB-IoT SA limit lines were adjusted for MIMO operation by 3 dB, for example:  $-13 \text{ dBm} - 3 \text{ dB} = -16 \text{ dBm}$ .  
MIMO correction factor for 2 antenna ports:  $10 \times \log_{10}(2) = 3 \text{ dB}$ .

For general scan, the RBW was set to 1 MHz, with the VBW set wider than the RBW.

Band edges were tested using the channel power function of the spectrum analyzer, which calculates the total power within a specific band. This method is correlated with the resolution bandwidths specified in the regulations.

#### 8.4.4 Test data

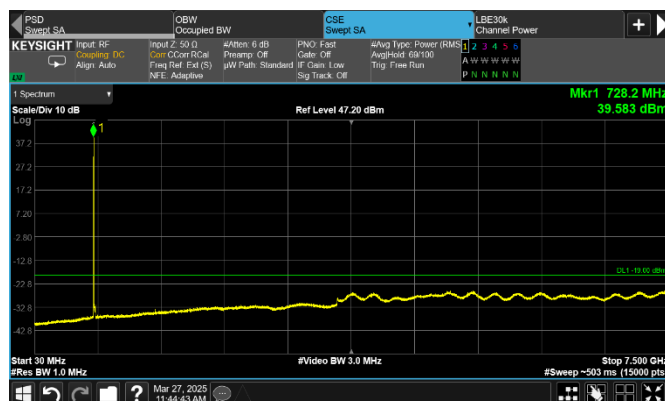


Figure 8.4-1: Conducted spurious emissions of IoT SA low channel, single carrier operation

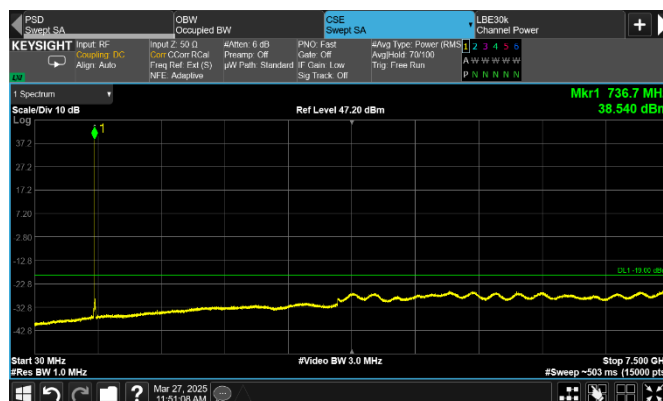


Figure 8.4-2: Conducted spurious emissions of IoT SA mid channel, single carrier operation

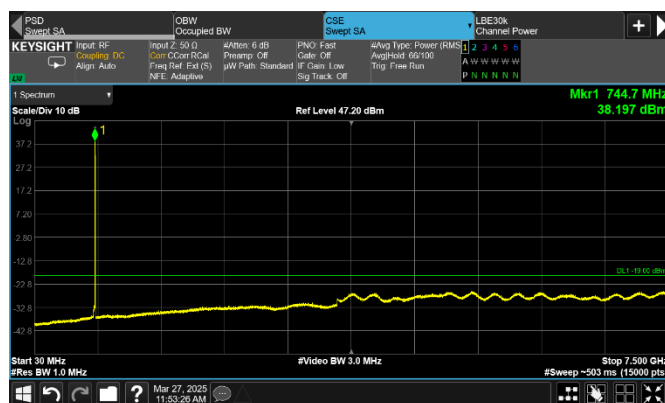


Figure 8.4-3: Conducted spurious emissions of IoT SA top channel, single carrier operation

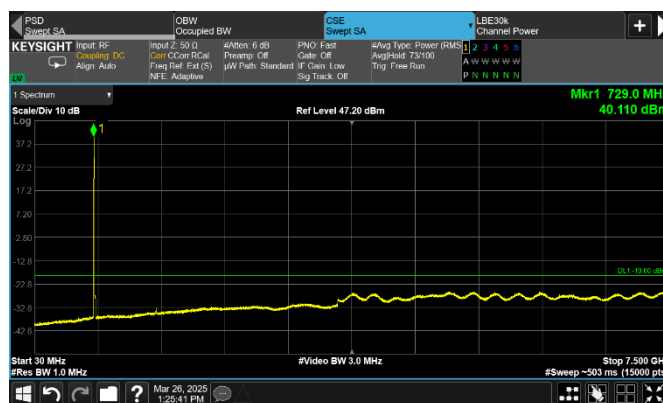


Figure 8.4-4: Conducted spurious emissions of LTE 5 MHz low channel, single carrier operation

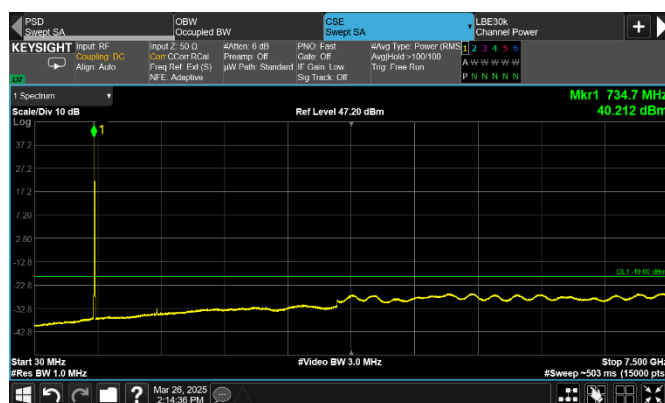


Figure 8.4-5: Conducted spurious emissions of LTE 5 MHz mid channel, single carrier operation

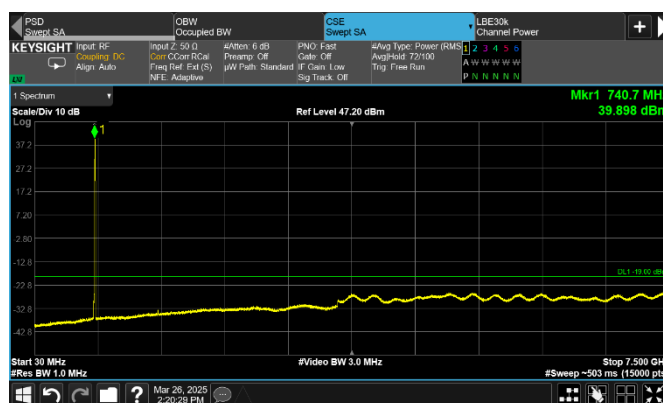


Figure 8.4-6: Conducted spurious emissions of LTE 5 MHz top channel, single carrier operation

Test data, continued

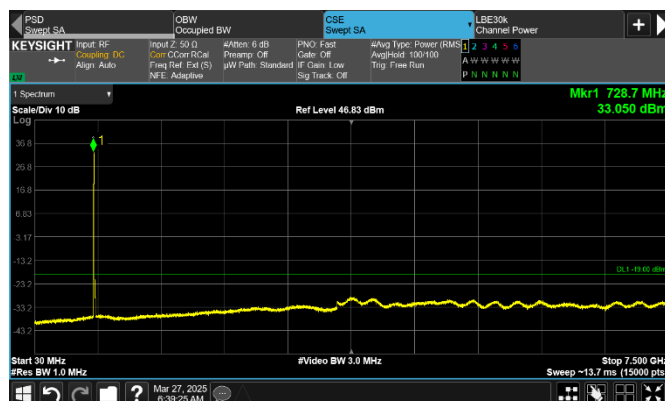


Figure 8.4-7: Conducted spurious emissions of LTE 10 MHz low channel, single carrier operation

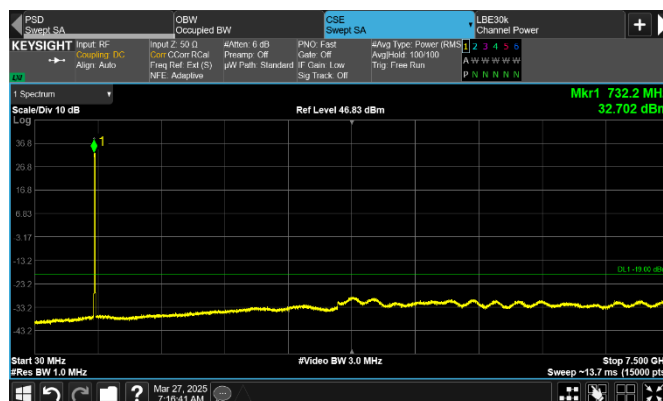


Figure 8.4-8: Conducted spurious emissions of LTE 10 MHz mid channel, single carrier operation

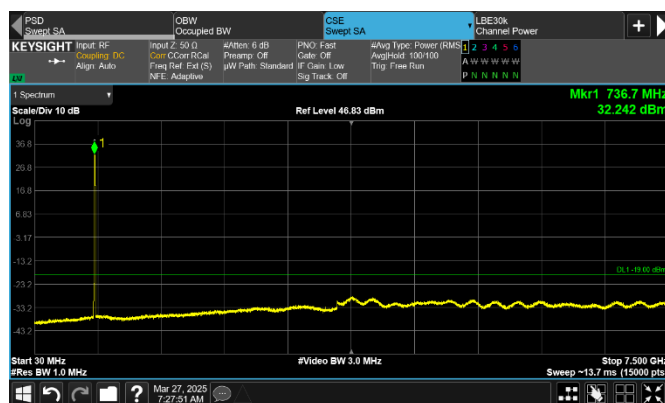


Figure 8.4-9: Conducted spurious emissions of LTE 10 MHz top channel, single carrier operation

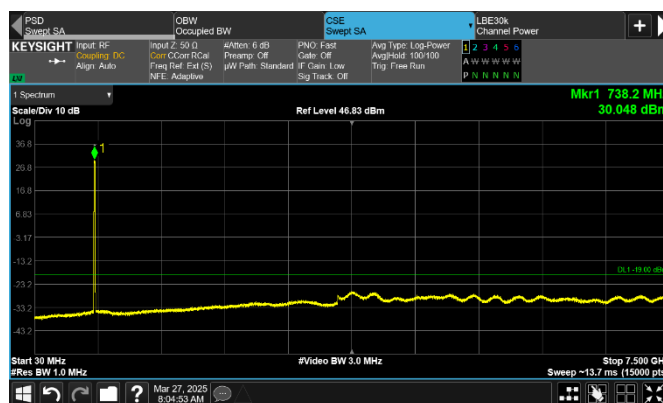


Figure 8.4-10: Conducted spurious emissions of LTE 15 MHz low channel, single carrier operation

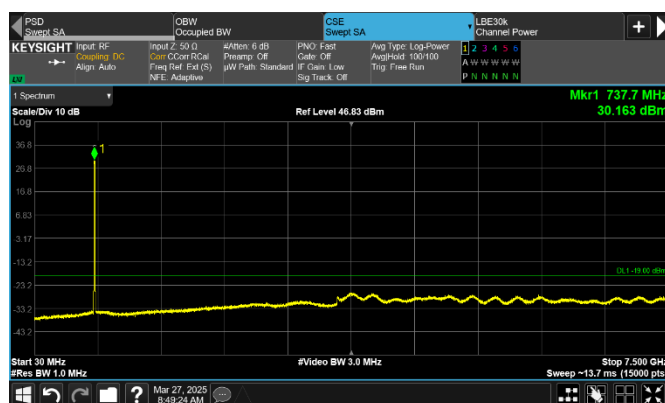


Figure 8.4-11: Conducted spurious emissions of LTE 15 MHz mid channel, single carrier operation

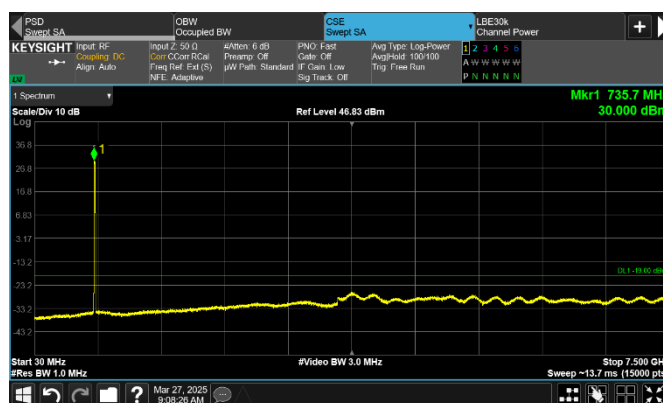


Figure 8.4-12: Conducted spurious emissions of LTE 15 MHz with IB top channel, single carrier operation

Test data, continued



Figure 8.4-13: Conducted spurious emissions of NR 3 MHz low channel, single carrier operation

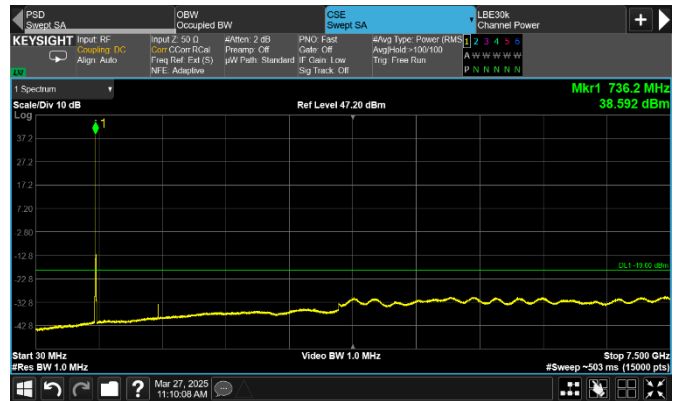


Figure 8.4-14: Conducted spurious emissions of NR 3 MHz mid channel, single carrier operation



Figure 8.4-15: Conducted spurious emissions of NR 3 MHz top channel, single carrier operation

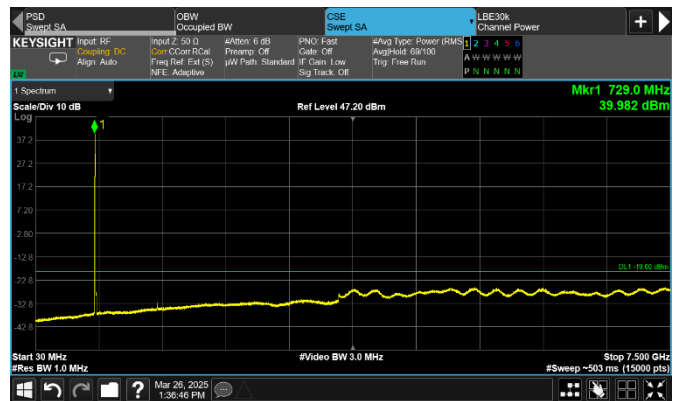


Figure 8.4-16: Conducted spurious emissions of NR 5 MHz low channel, single carrier operation

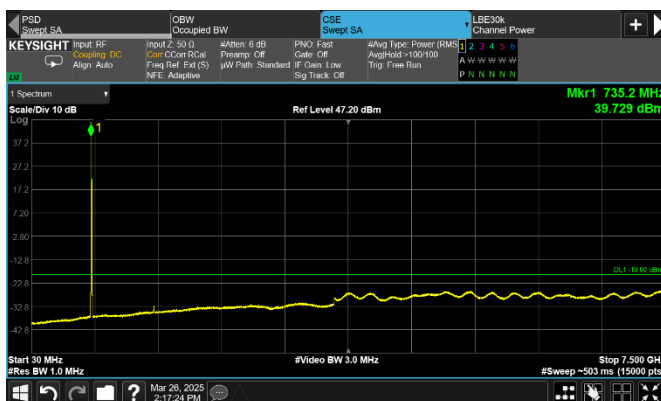


Figure 8.4-17: Conducted spurious emissions of NR 5 MHz mid channel, single carrier operation

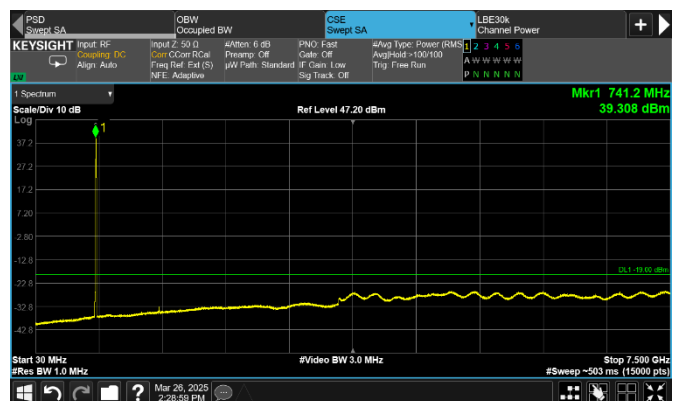


Figure 8.4-18: Conducted spurious emissions of NR 5 MHz top channel, single carrier operation

Test data, continued

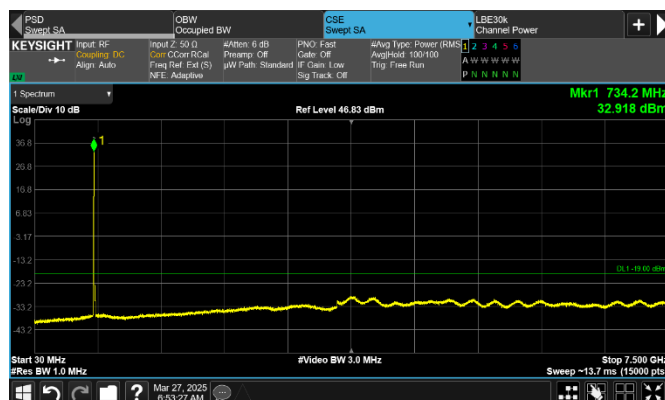


Figure 8.4-19: Conducted spurious emissions of NR 10 MHz low channel, single carrier operation

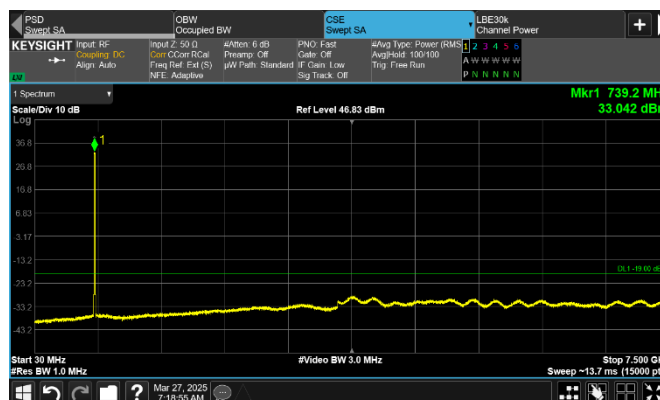


Figure 8.4-20: Conducted spurious emissions of NR 1 MHz mid channel, single carrier operation

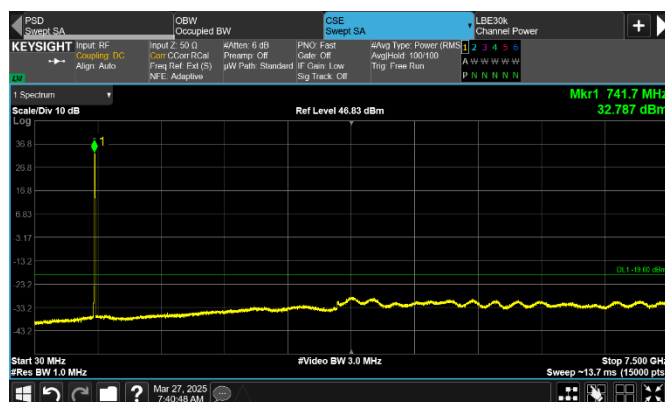


Figure 8.4-21: Conducted spurious emissions of NR 10 MHz top channel, single carrier operation

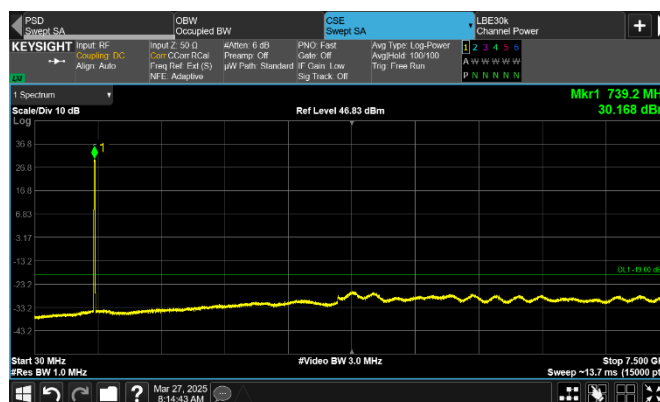


Figure 8.4-22: Conducted spurious emissions of NR 15 MHz low channel, single carrier operation

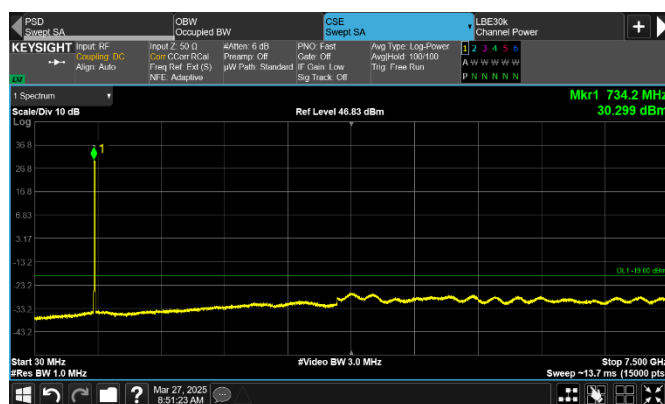


Figure 8.4-23: Conducted spurious emissions of NR 15 MHz mid channel, single carrier operation

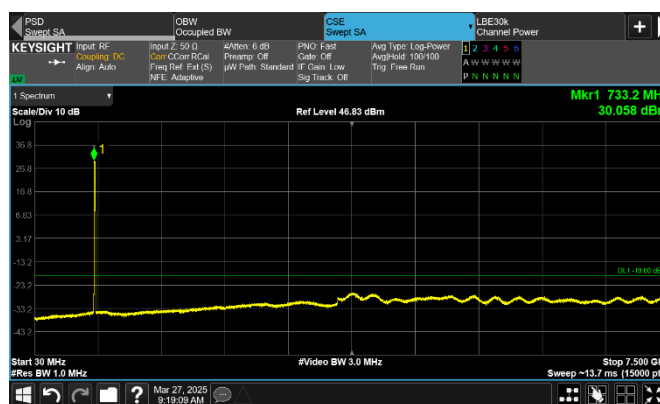


Figure 8.4-24: Conducted spurious emissions of NR 15 MHz top channel, single carrier operation

Test data, continued

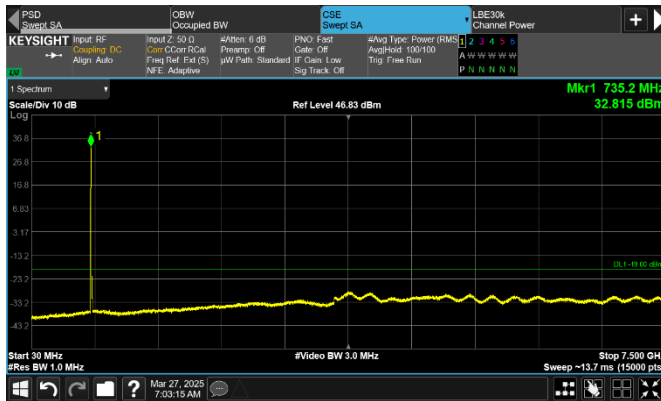


Figure 8.4-25: Conducted spurious emissions of 2 x LTE 5 MHz low channels, 2-carrier operation

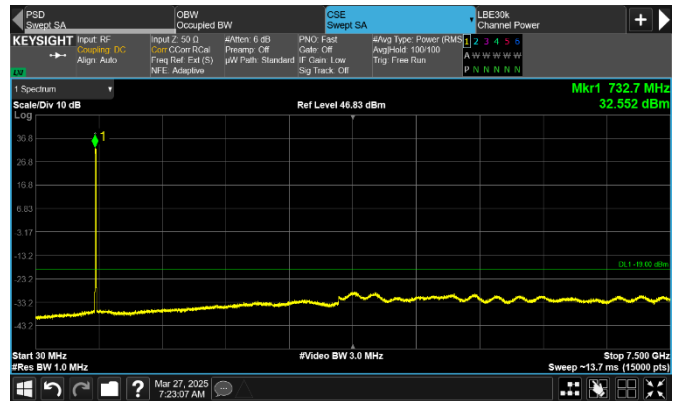


Figure 8.4-26: Conducted spurious emissions of 2 x LTE 5 MHz mid channels, 2-carrier operation



Figure 8.4-27: Conducted spurious emissions of 2 x LTE 5 MHz top channels, 2-carrier operation

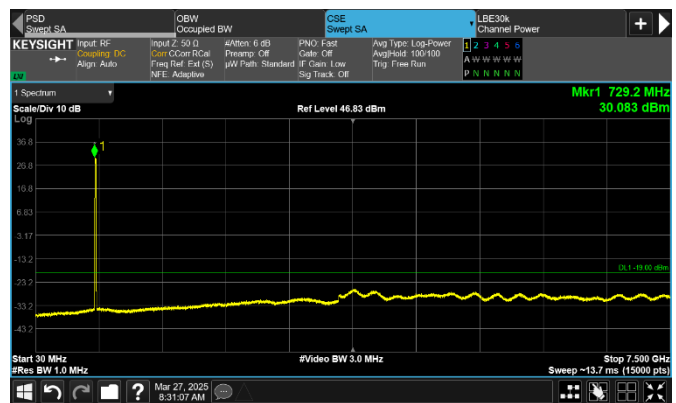


Figure 8.4-28: Conducted spurious emissions of 3 x LTE 5 MHz low channels, 2-carrier operation

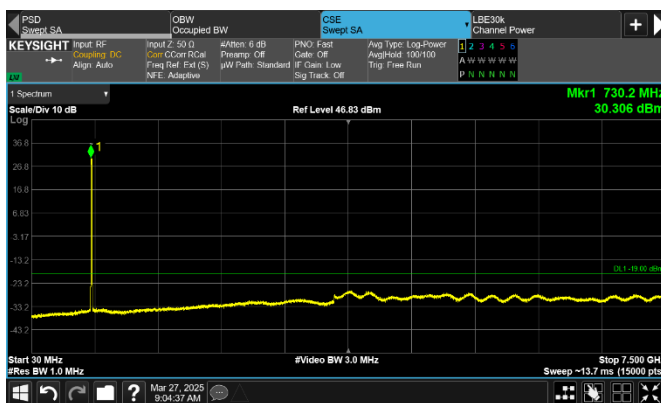


Figure 8.4-29: Conducted spurious emissions of 2 x LTE 5 MHz mid channels, 2-carrier operation

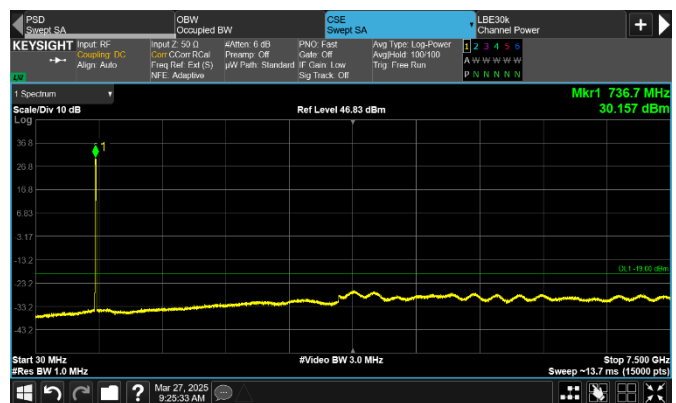


Figure 8.4-30: Conducted spurious emissions of 3 x LTE 5 MHz top channels, 2-carrier operation