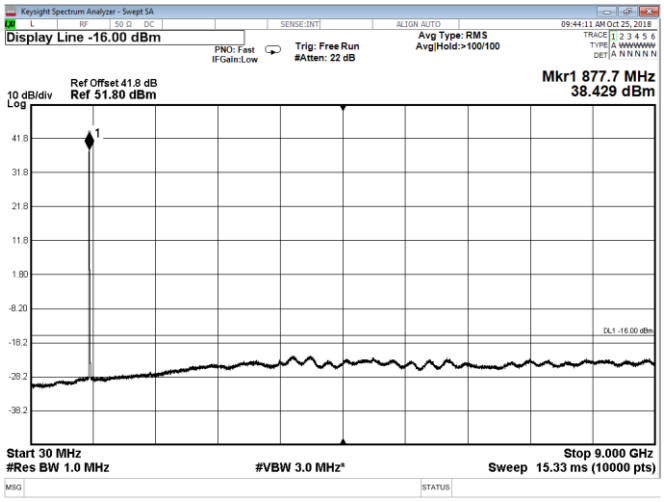

Figure 8.4-29: *Conducted spurious emissions for 10 MHz low channel with 60 W configuration at Port A*

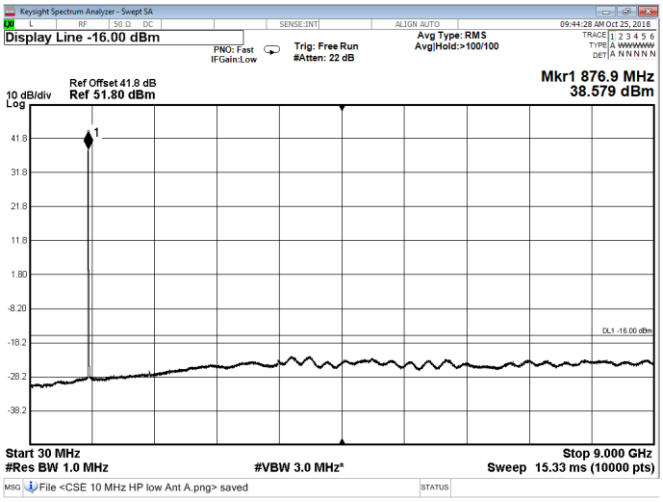

Figure 8.4-30: *Conducted spurious emissions for 10 MHz low channel with 60 W configuration at Port C*

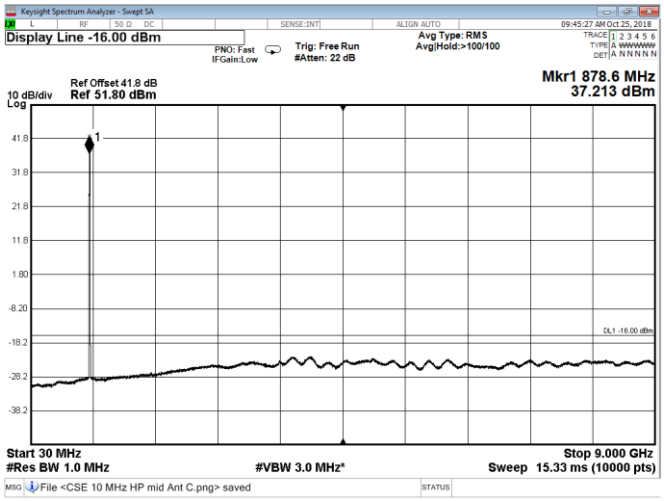

Figure 8.4-31: *Conducted spurious emissions for 10 MHz mid channel with 60 W configuration at Port A*

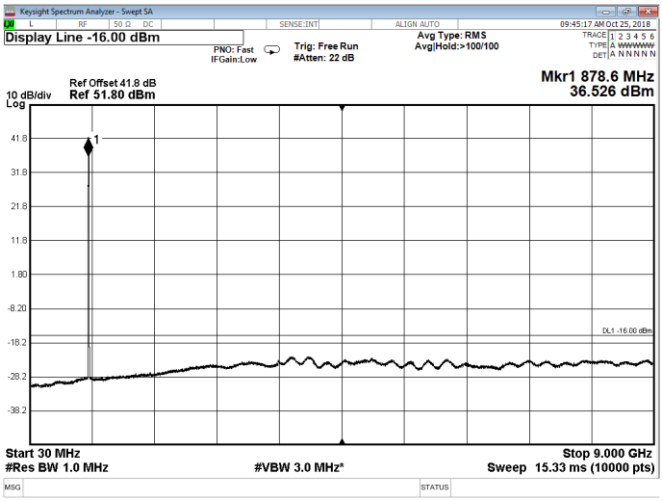

Figure 8.4-32: *Conducted spurious emissions for 10 MHz mid channel with 60 W configuration at Port C*

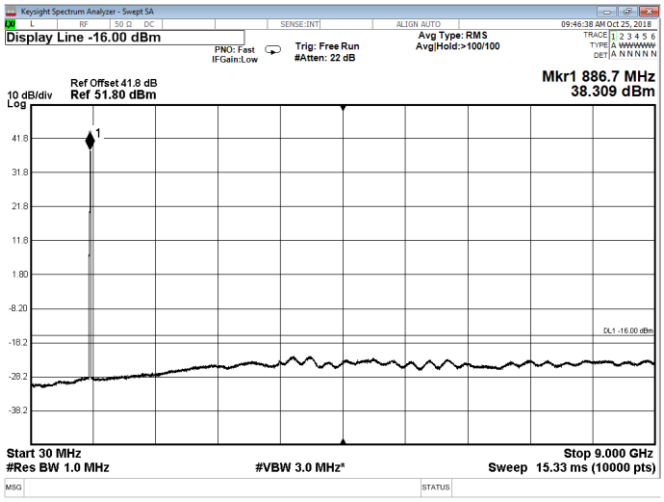

Figure 8.4-33: *Conducted spurious emissions for 10 MHz high channel with 60 W configuration at Port A*

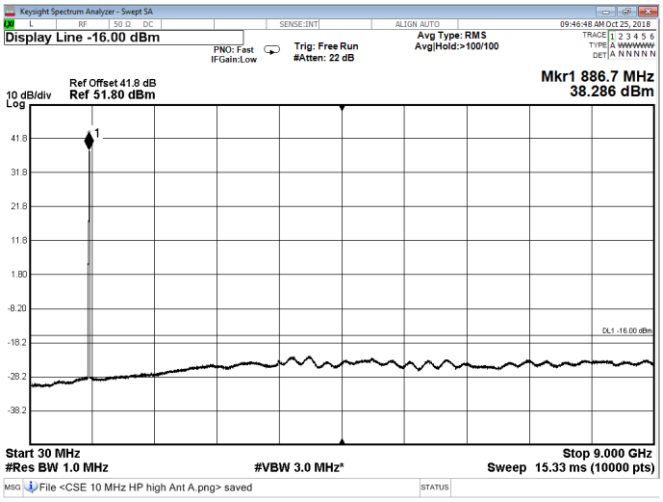

Figure 8.4-34: *Conducted spurious emissions for 10 MHz high channel with 60 W configuration at Port C*

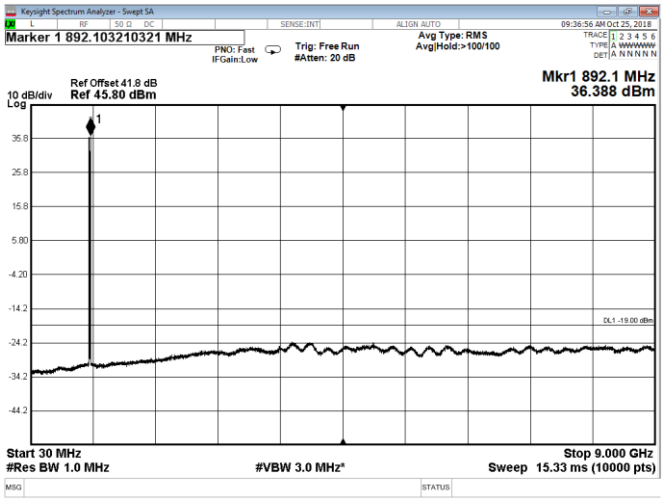

Figure 8.4-35: *Conducted spurious emissions for MC 2× 5 MHz channel with 40 W configuration at Port A*

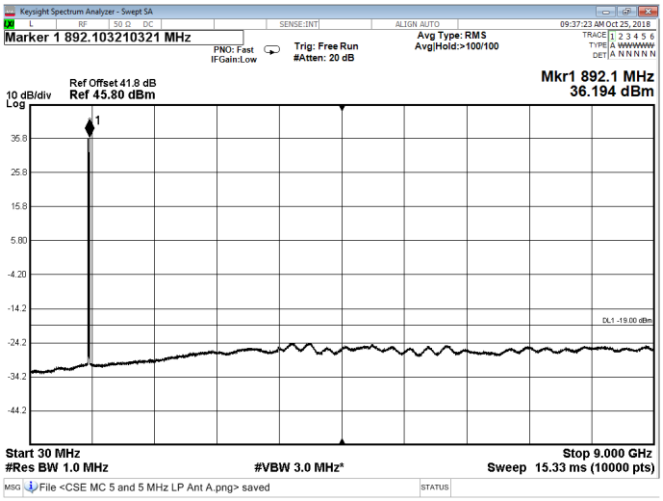

Figure 8.4-36: *Conducted spurious emissions for MC 2× 5 MHz channel with 40 W configuration at Port B*

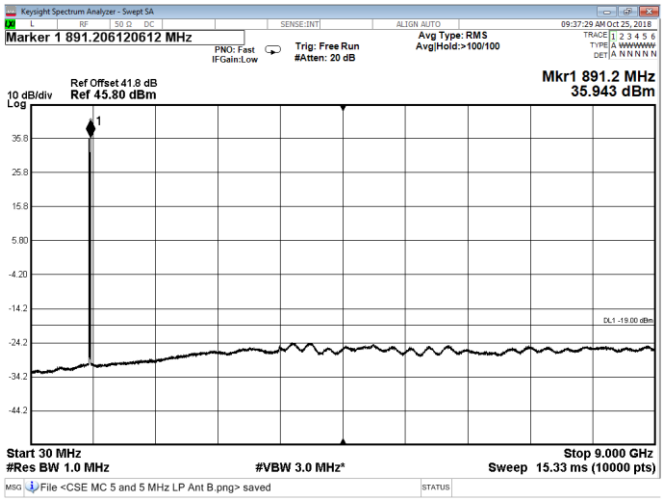

Figure 8.4-37: *Conducted spurious emissions for MC 2× 5 MHz channel with 40 W configuration at Port C*

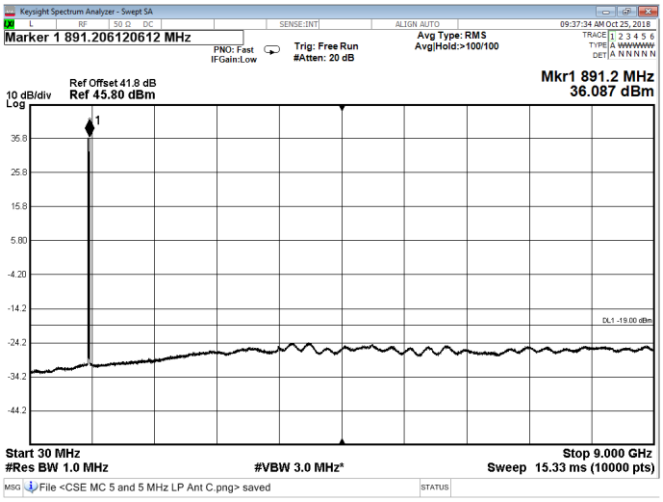

Figure 8.4-38: *Conducted spurious emissions for MC 2× 5 MHz channel with 40 W configuration at Port D*

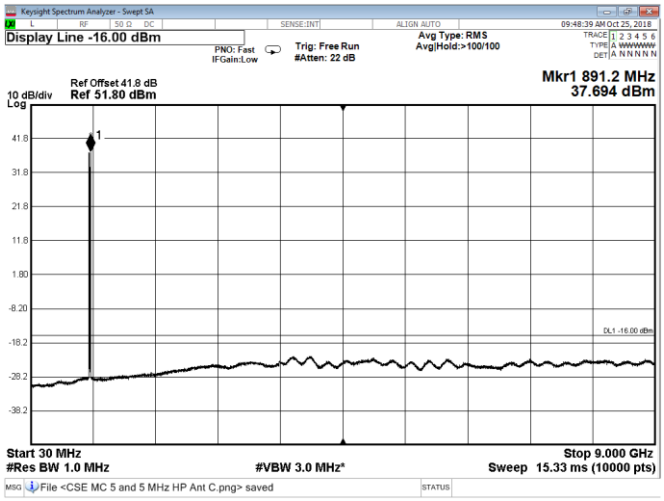

Figure 8.4-39: *Conducted spurious emissions for MC 2× 5 MHz channel with 60 W configuration at Port A*

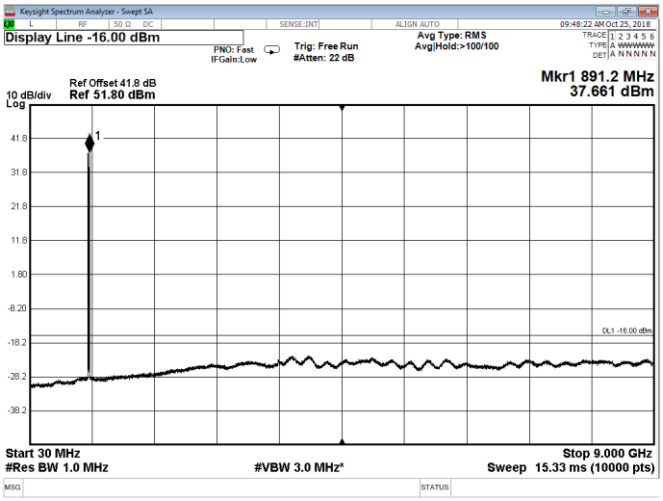

Figure 8.4-40: *Conducted spurious emissions for MC 2× 5 MHz channel with 60 W configuration at Port C*

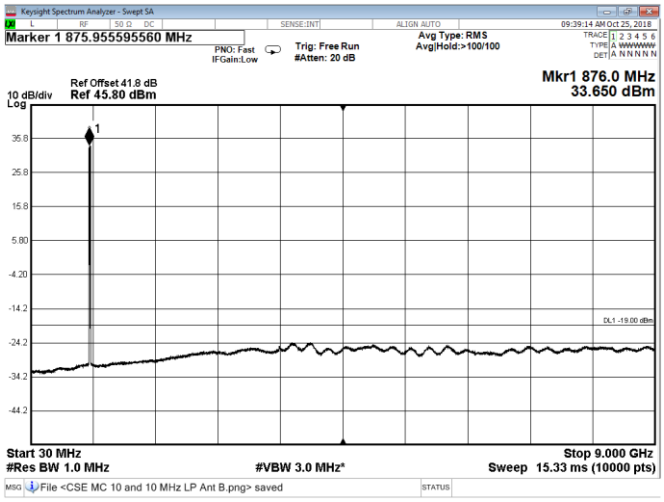

Figure 8.4-41: *Conducted spurious emissions for MC 2× 10 MHz channel with 40 W configuration at Port A*

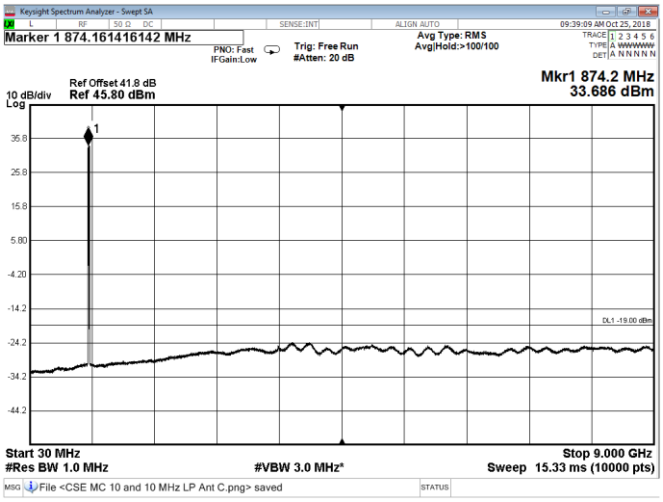

Figure 8.4-42: *Conducted spurious emissions for MC 2× 10 MHz channel with 40 W configuration at Port B*

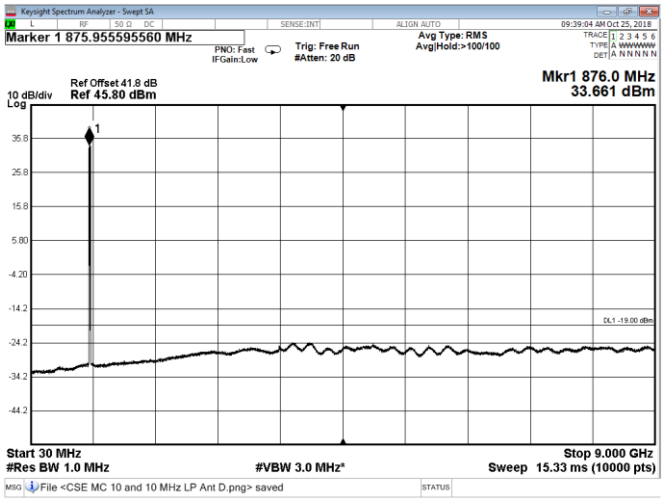

Figure 8.4-43: *Conducted spurious emissions for MC 2× 10 MHz channel with 40 W configuration at Port C*

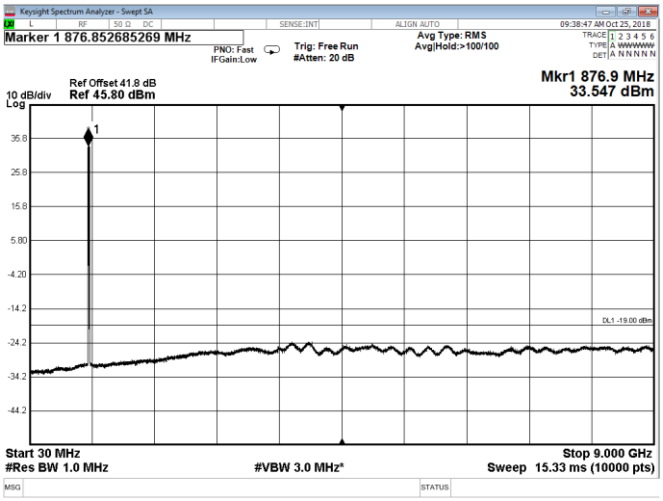

Figure 8.4-44: *Conducted spurious emissions for MC 2× 10 MHz channel with 40 W configuration at Port D*

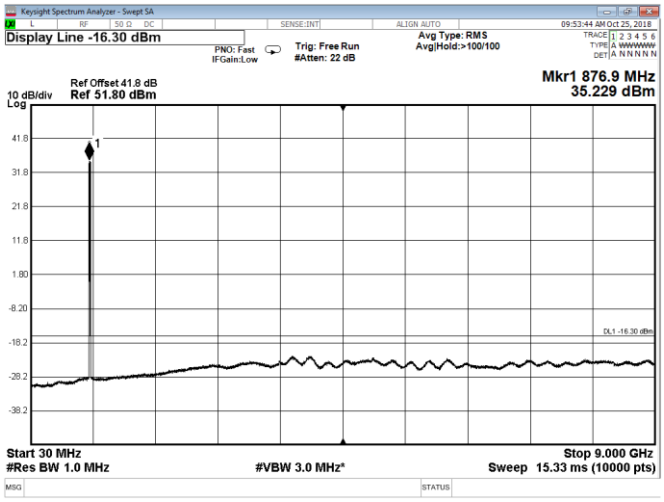

Figure 8.4-45: *Conducted spurious emissions for MC 2× 10 MHz channel with 60 W configuration at Port A*

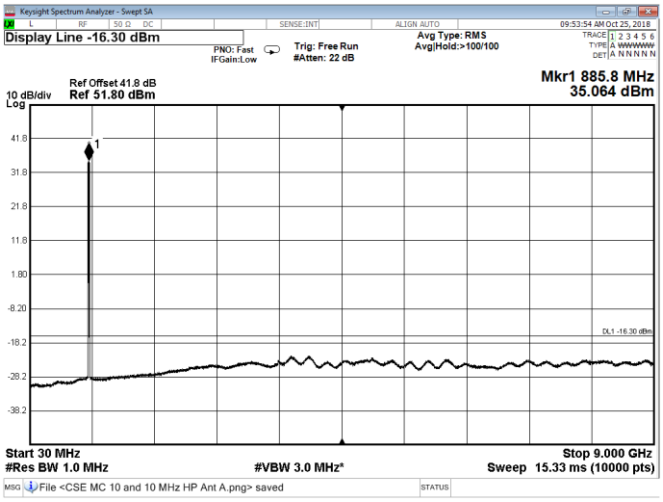

Figure 8.4-46: *Conducted spurious emissions for MC 2× 10 MHz channel with 60 W configuration at Port C*

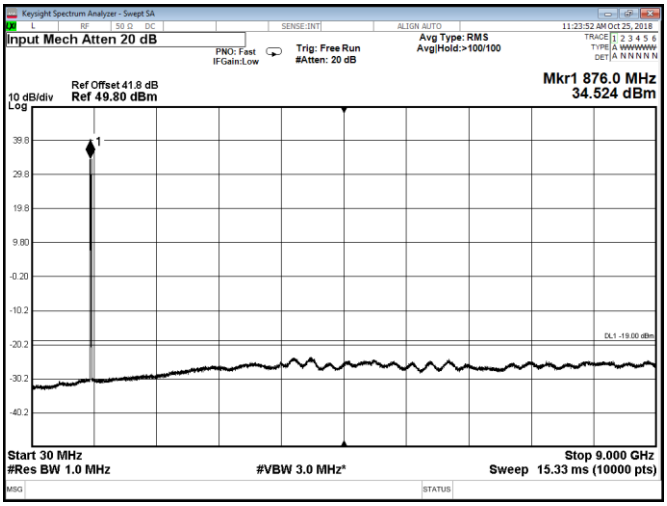

Figure 8.4-47: *Conducted spurious emissions for MC 3× 5 MHz channel with 40 W configuration at Port A*

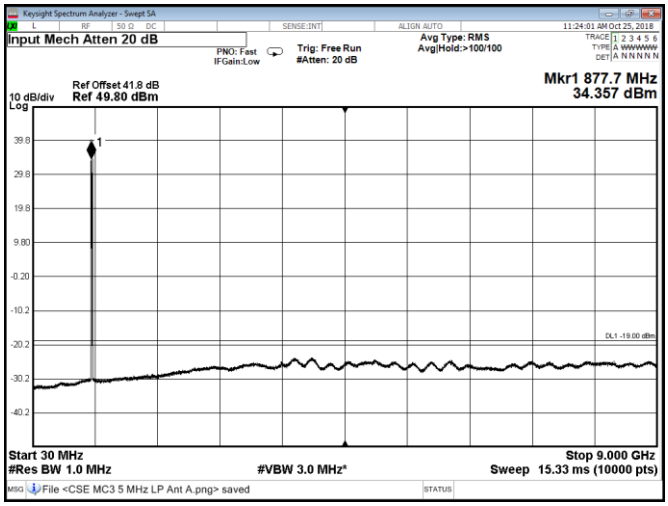

Figure 8.4-48: *Conducted spurious emissions for MC 3× 5 MHz channel with 40 W configuration at Port B*

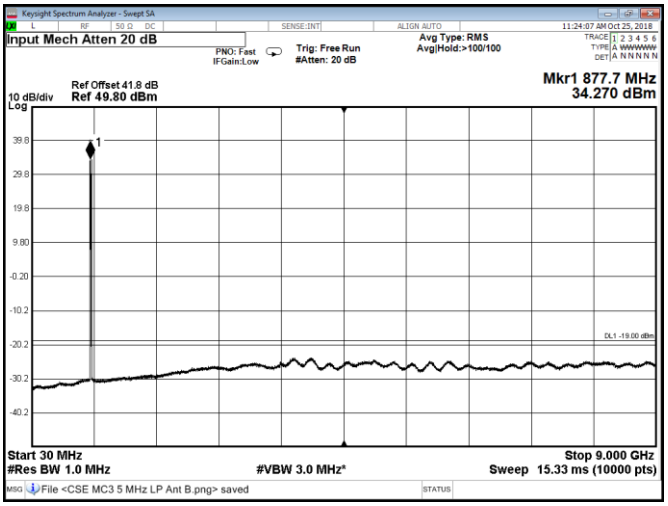

Figure 8.4-49: *Conducted spurious emissions for MC 3× 5 MHz channel with 40 W configuration at Port C*

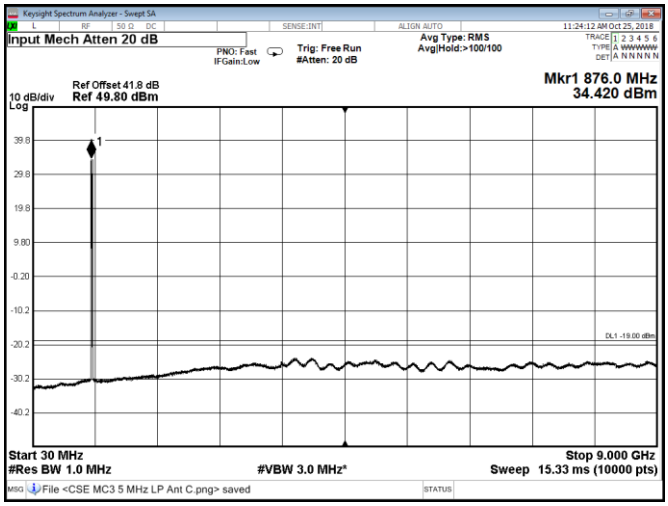

Figure 8.4-50: *Conducted spurious emissions for MC 3× 5 MHz channel with 40 W configuration at Port D*

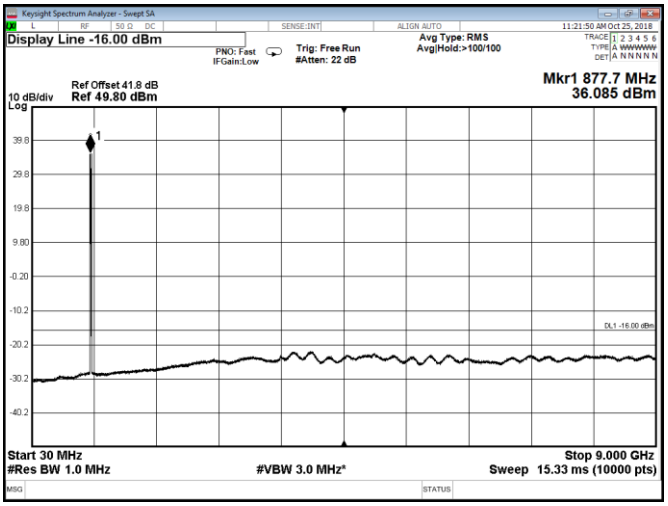

Figure 8.4-51: *Conducted spurious emissions for MC 3× 5 MHz channel with 60 W configuration at Port A*

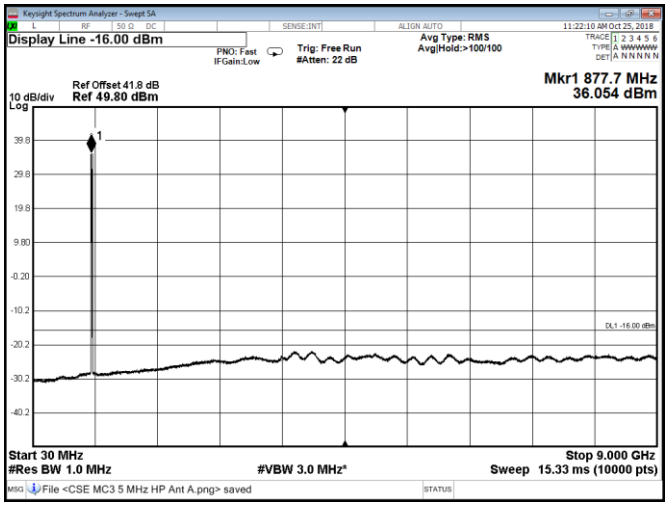

Figure 8.4-52: *Conducted spurious emissions for MC 3× 5 MHz channel with 60 W configuration at Port C*

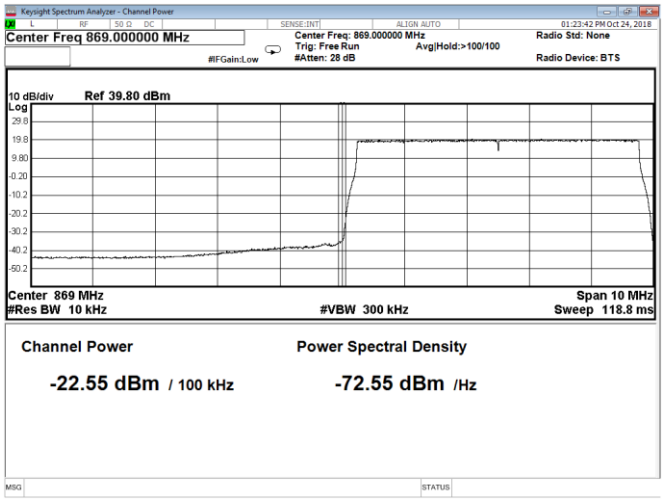

Figure 8.4-53: *Conducted band edge emission at 869 MHz, 5 MHz channel with 40 W configuration at Port A*

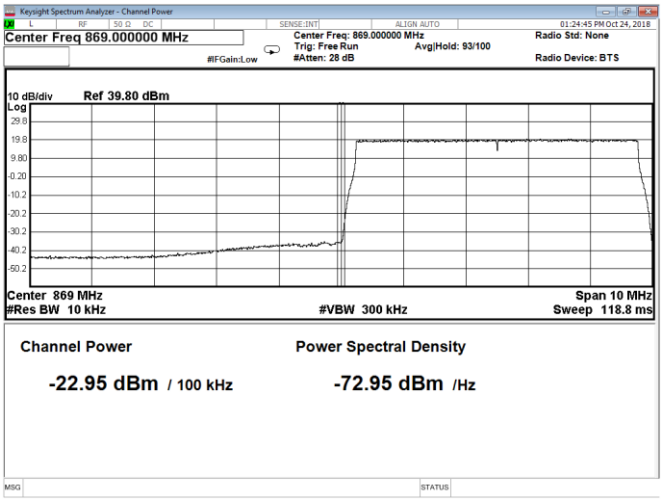

Figure 8.4-54: *Conducted band edge emission at 869 MHz, 5 MHz channel with 40 W configuration at Port B*

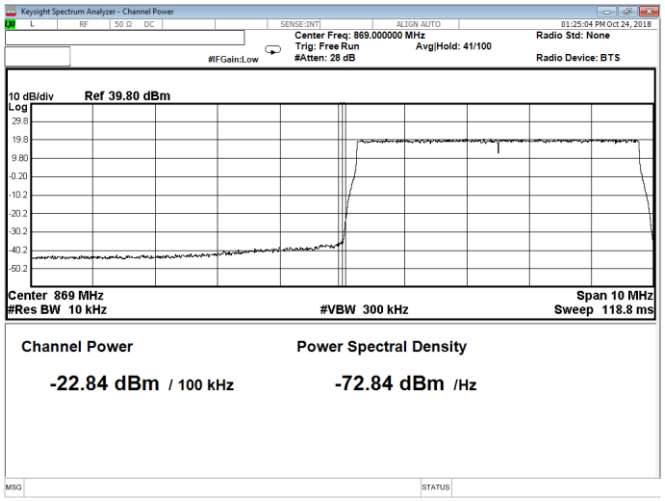

Figure 8.4-55: *Conducted band edge emission at 869 MHz, 5 MHz channel with 40 W configuration at Port C*

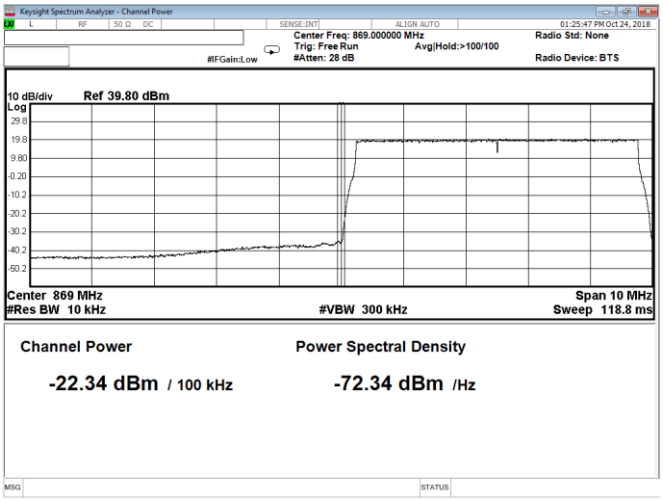

Figure 8.4-56: *Conducted band edge emission at 869 MHz, 5 MHz channel with 40 W configuration at Port D*

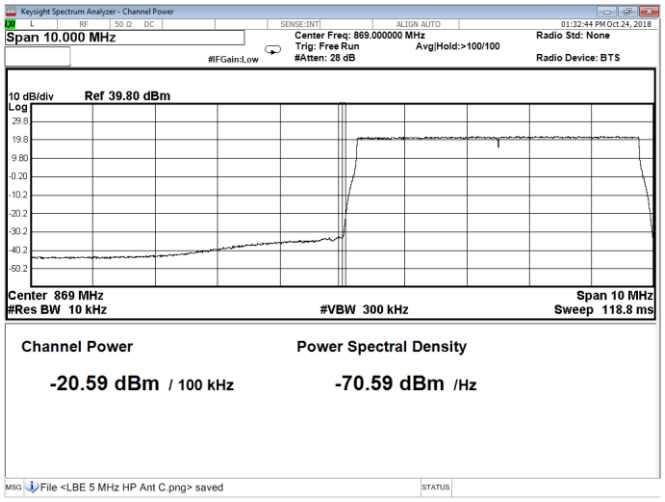

Figure 8.4-57: *Conducted band edge emission at 869 MHz, 5 MHz channel with 60 W configuration at Port A*

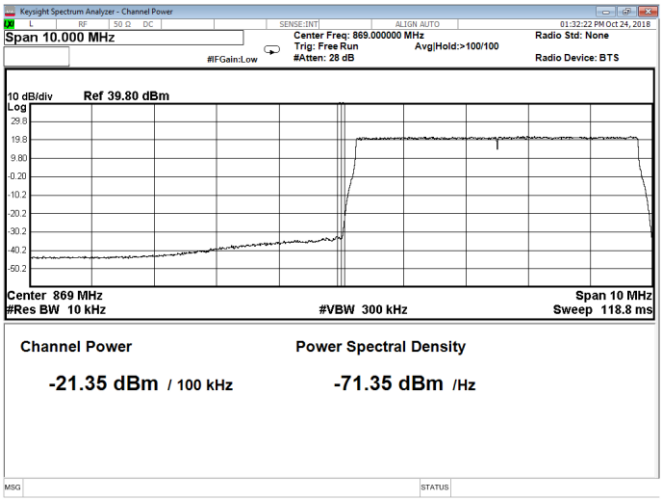

Figure 8.4-58: *Conducted band edge emission at 869 MHz, 5 MHz channel with 60 W configuration at Port C*

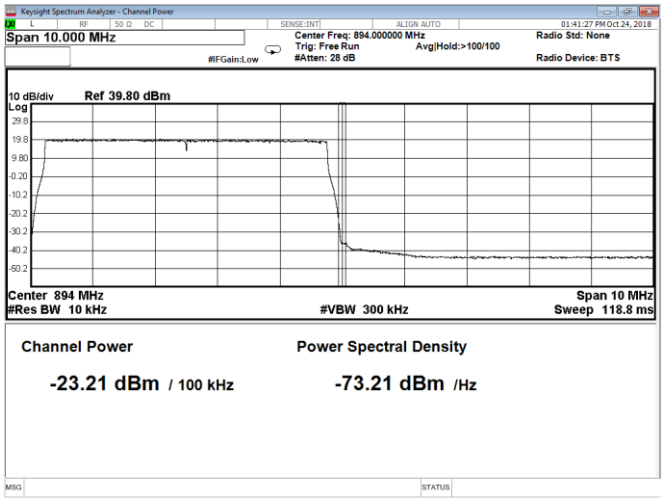

Figure 8.4-59: *Conducted band edge emission at 894 MHz, 5 MHz channel with 40 W configuration at Port A*

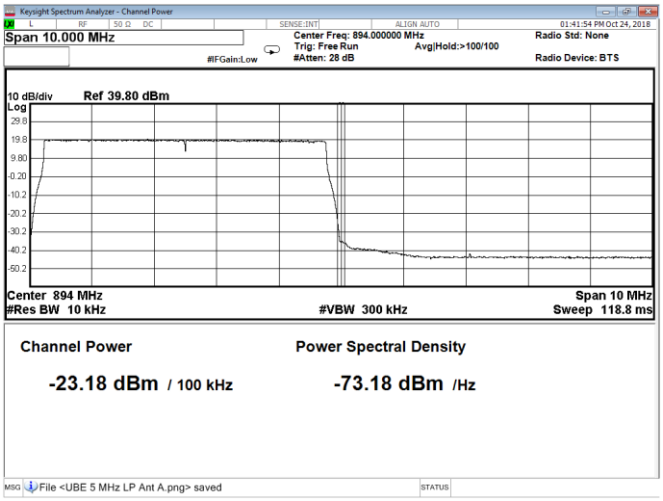

Figure 8.4-60: *Conducted band edge emission at 894 MHz, 5 MHz channel with 40 W configuration at Port B*

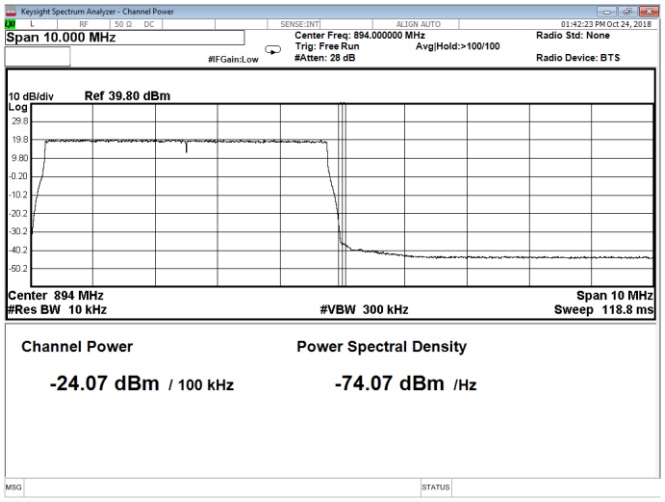

Figure 8.4-61: *Conducted band edge emission at 894 MHz, 5 MHz channel with 40 W configuration at Port C*

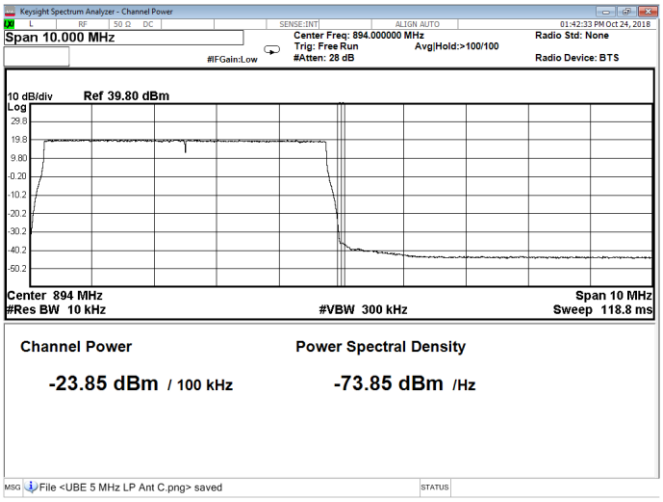

Figure 8.4-62: *Conducted band edge emission at 894 MHz, 5 MHz channel with 40 W configuration at Port D*

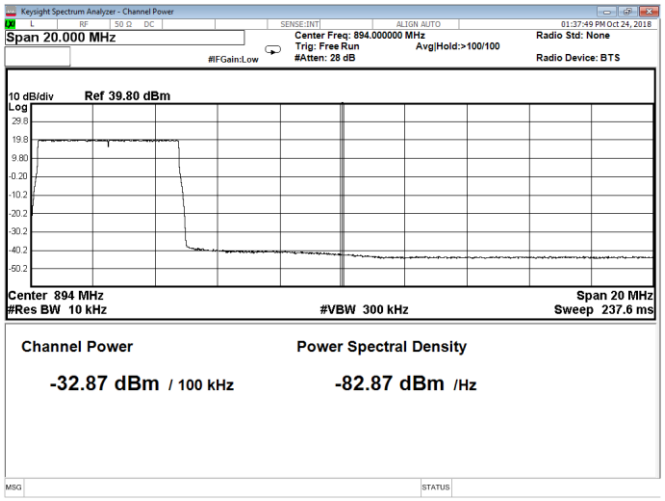

Figure 8.4-63: *Conducted band edge emission at 894 MHz, 5 MHz channel with 60 W configuration at Port A*

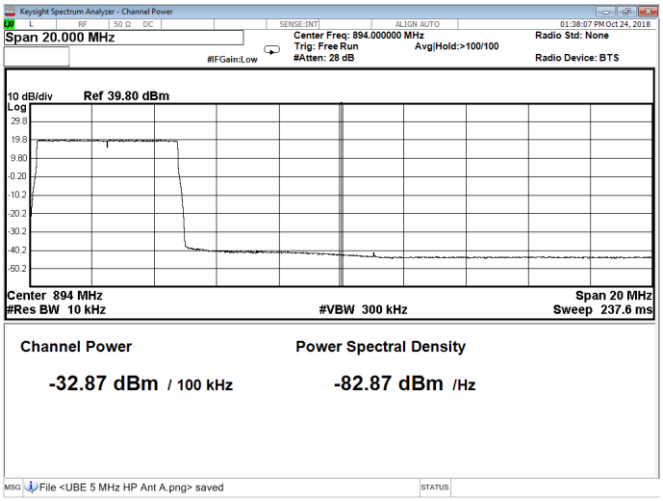

Figure 8.4-64: *Conducted band edge emission at 894 MHz, 5 MHz channel with 60 W configuration at Port C*

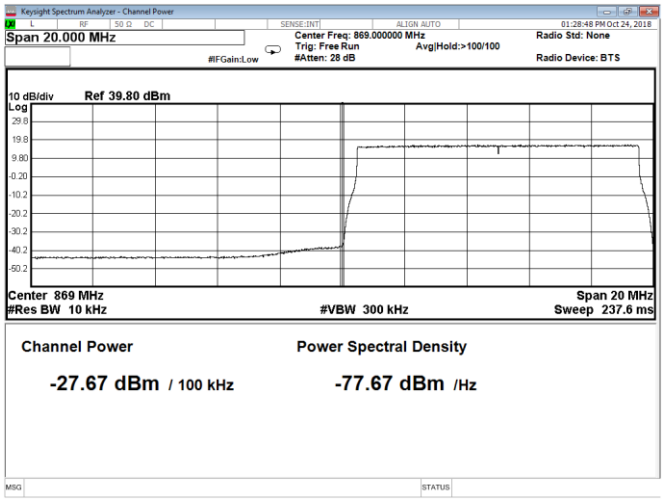

Figure 8.4-65: *Conducted band edge emission at 869 MHz, 10 MHz channel with 40 W configuration at Port A*

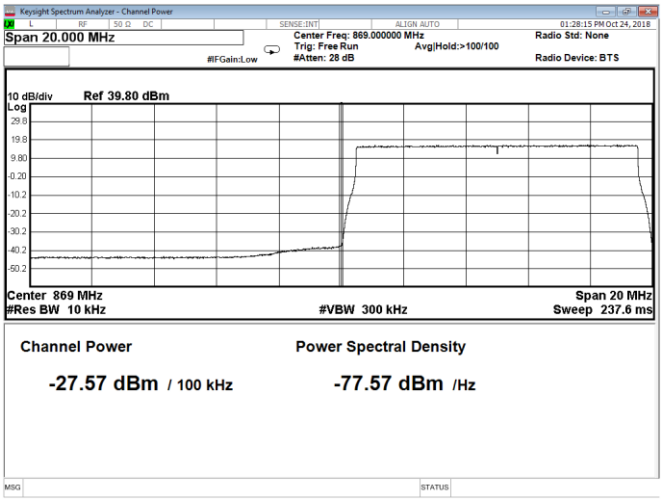

Figure 8.4-66: *Conducted band edge emission at 869 MHz, 10 MHz channel with 40 W configuration at Port B*

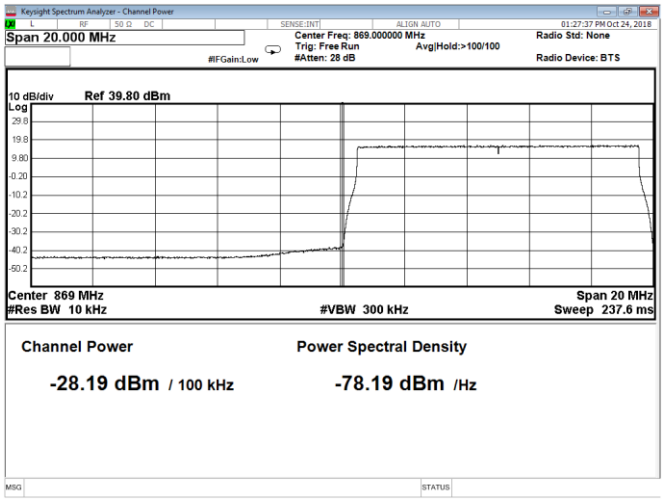

Figure 8.4-67: *Conducted band edge emission at 869 MHz, 10 MHz channel with 40 W configuration at Port C*

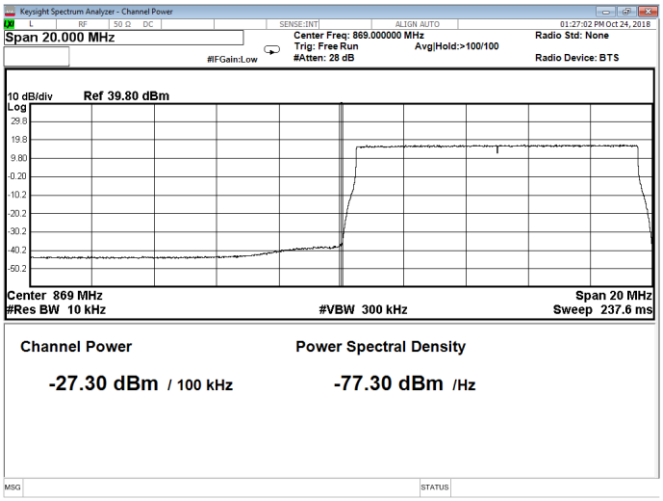

Figure 8.4-68: *Conducted band edge emission at 869 MHz, 10 MHz channel with 40 W configuration at Port D*

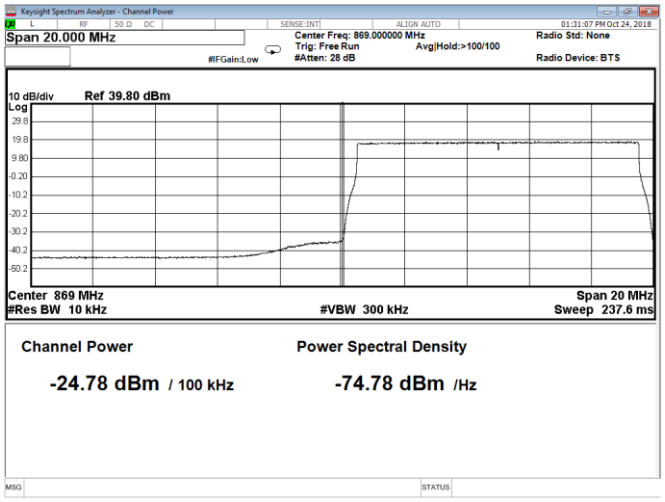

Figure 8.4-69: *Conducted band edge emission at 869 MHz, 10 MHz channel with 60 W configuration at Port A*

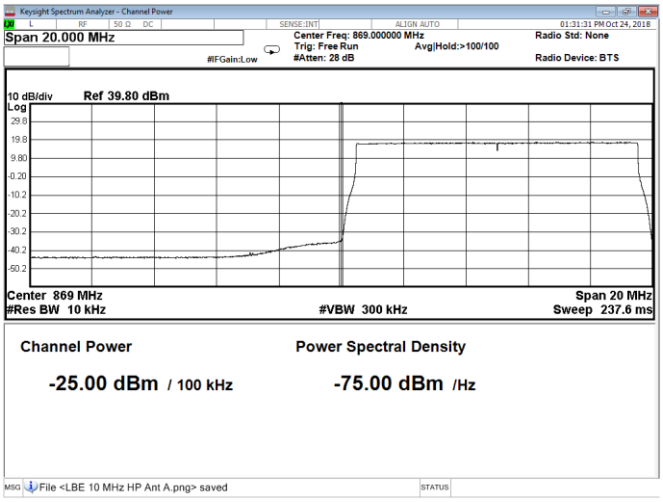

Figure 8.4-70: *Conducted band edge emission at 869 MHz, 10 MHz channel with 60 W configuration at Port C*

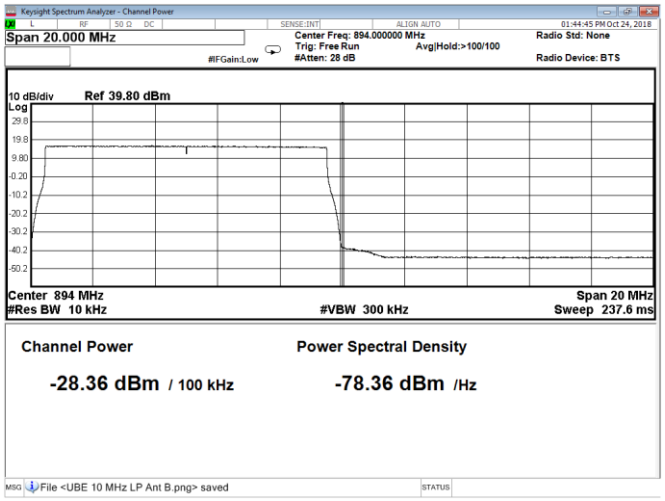

Figure 8.4-71: *Conducted band edge emission at 894 MHz, 10 MHz channel with 40 W configuration at Port A*

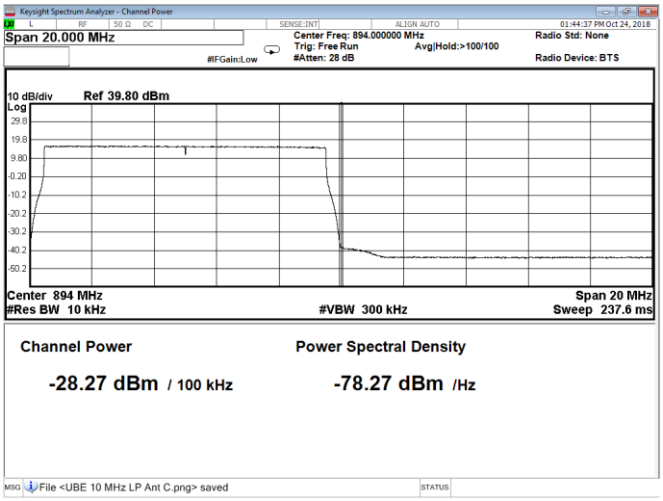

Figure 8.4-72: *Conducted band edge emission at 894 MHz, 10 MHz channel with 40 W configuration at Port B*

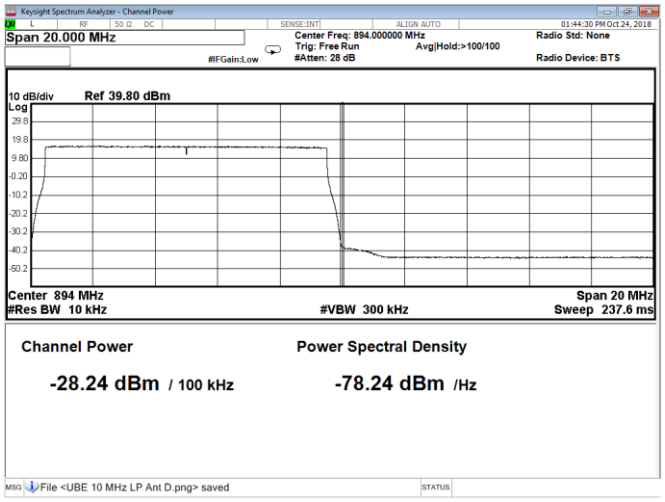

Figure 8.4-73: *Conducted band edge emission at 894 MHz, 10 MHz channel with 40 W configuration at Port C*

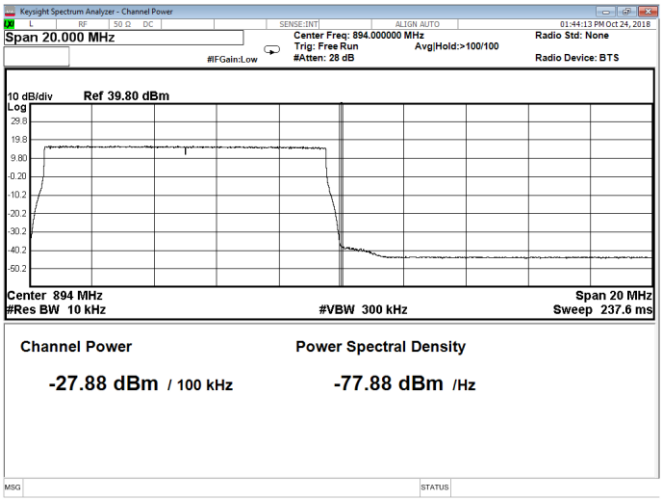

Figure 8.4-74: *Conducted band edge emission at 894 MHz, 10 MHz channel with 40 W configuration at Port D*

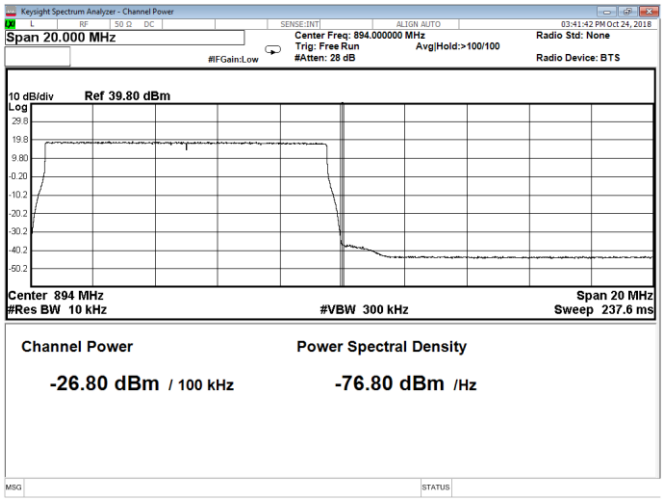

Figure 8.4-75: *Conducted band edge emission at 894 MHz, 10 MHz channel with 60 W configuration at Port A*

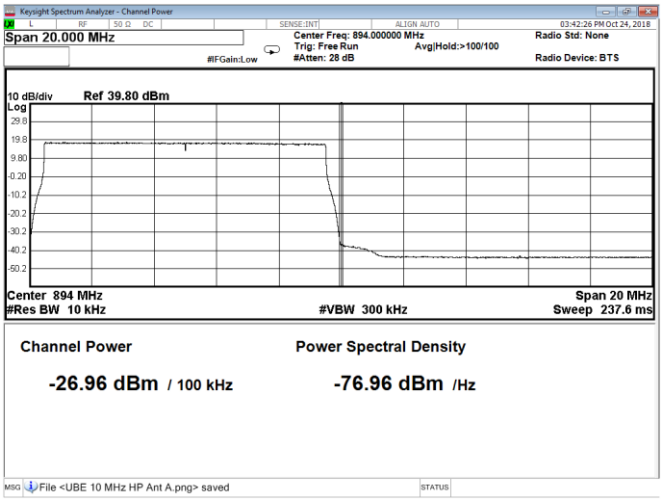

Figure 8.4-76: *Conducted band edge emission at 894 MHz, 10 MHz channel with 60 W configuration at Port C*

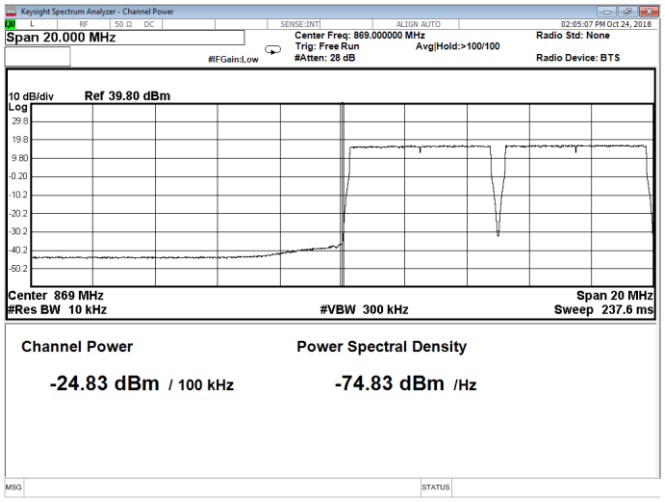

Figure 8.4-77: *Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 40 W configuration at Port A*

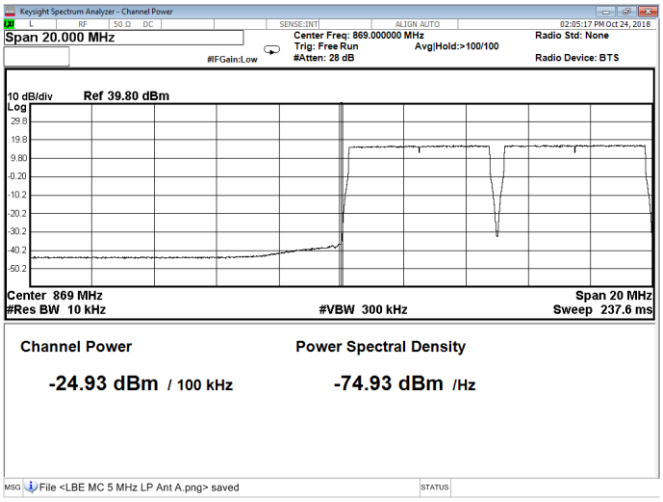

Figure 8.4-78: *Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 40 W configuration at Port B*

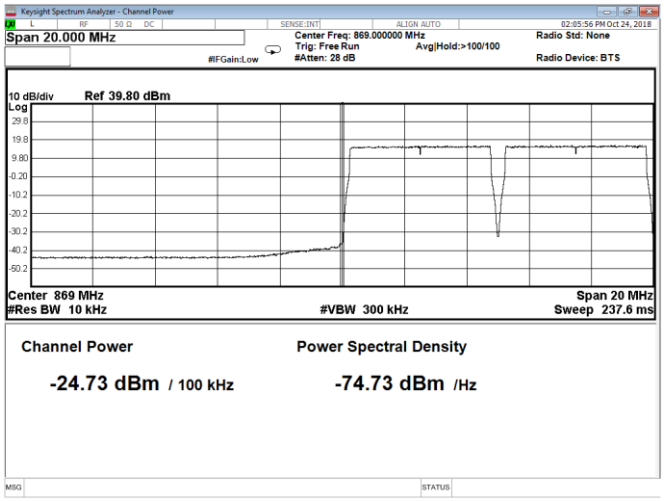

Figure 8.4-79: *Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 40 W configuration at Port C*

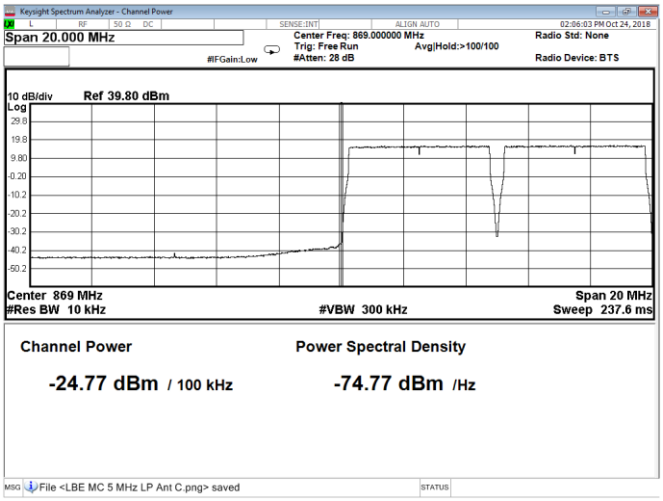

Figure 8.4-80: *Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 40 W configuration at Port D*

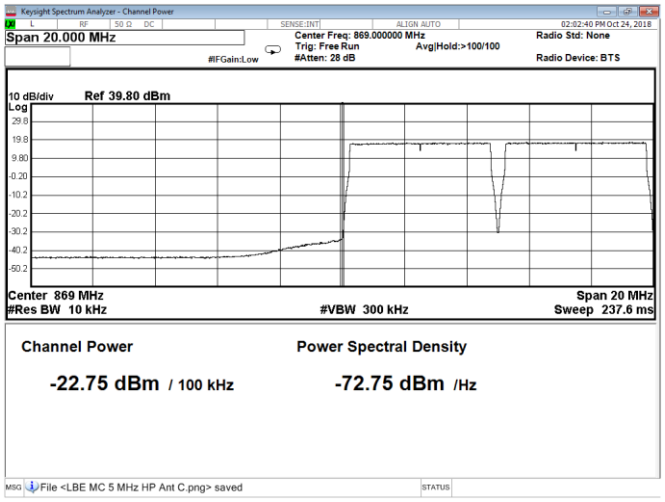

Figure 8.4-81: *Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 60 W configuration at Port A*

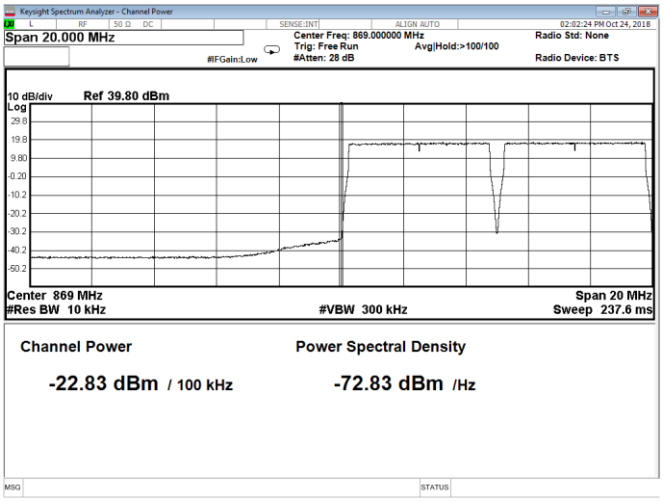

Figure 8.4-82: *Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 60 W configuration at Port C*

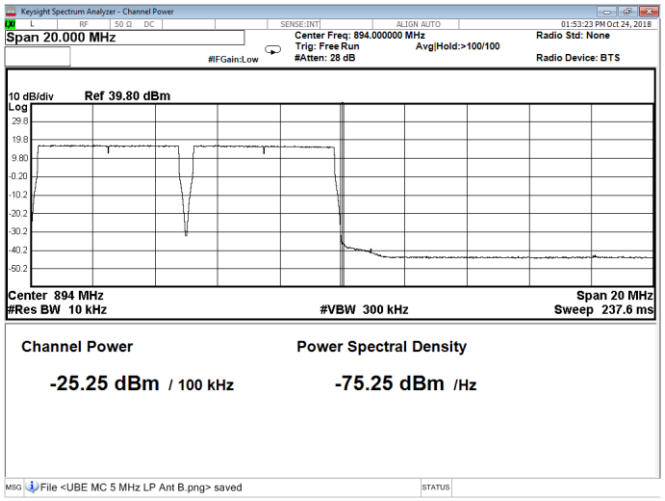

Figure 8.4-83: *Conducted band edge emission at 894 MHz, MC 2×5 MHz channel with 40 W configuration at Port A*

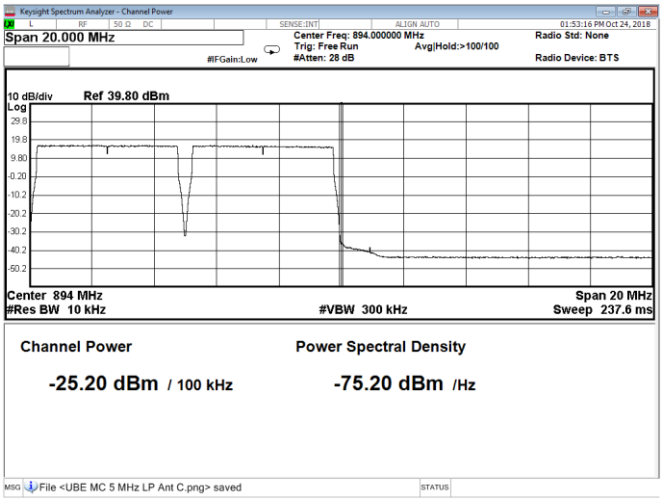

Figure 8.4-84: *Conducted band edge emission at 894 MHz, MC 2×5 MHz channel with 40 W configuration at Port B*

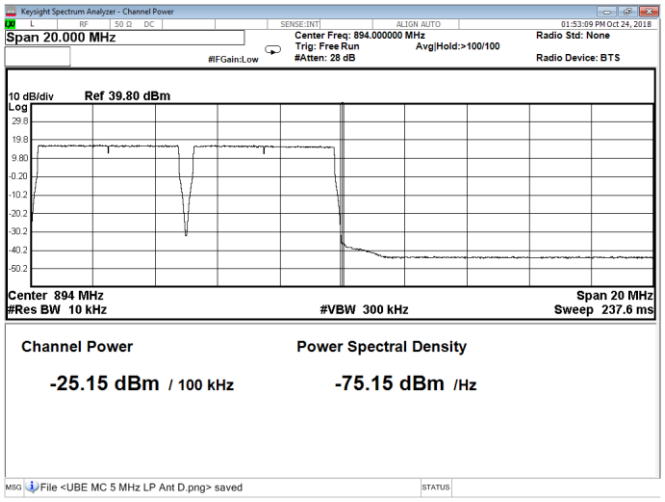

Figure 8.4-85: *Conducted band edge emission at 894 MHz, MC 2×5 MHz channel with 40 W configuration at Port C*

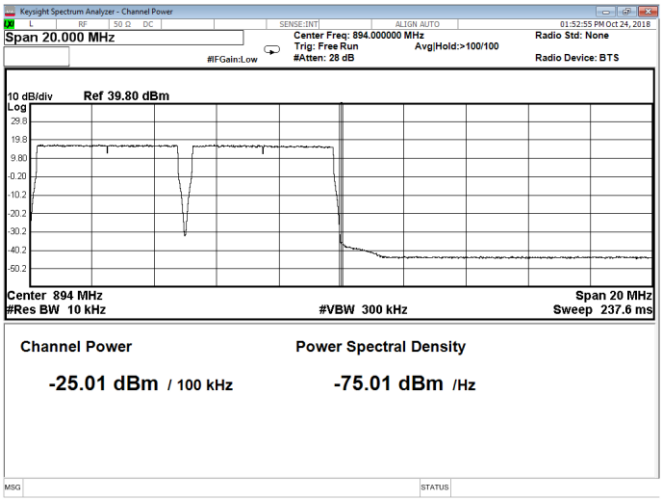

Figure 8.4-86: *Conducted band edge emission at 894 MHz, MC 2×5 MHz channel with 40 W configuration at Port D*

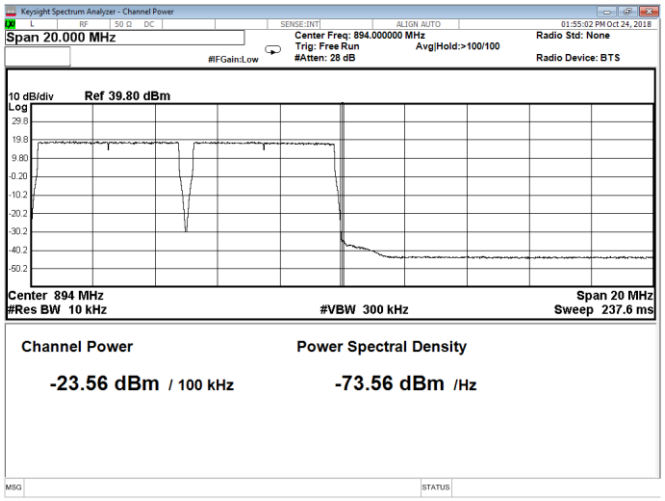

Figure 8.4-87: *Conducted band edge emission at 894 MHz, MC 2×5 MHz channel with 60 W configuration at Port A*

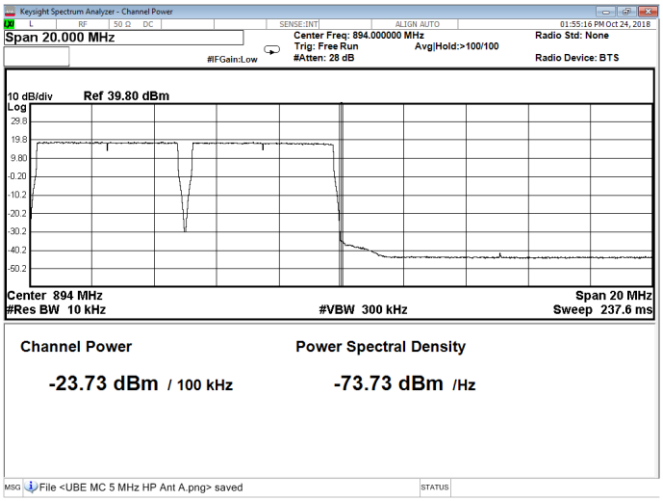

Figure 8.4-88: *Conducted band edge emission at 894 MHz, MC 2×5 MHz channel with 60 W configuration at Port C*

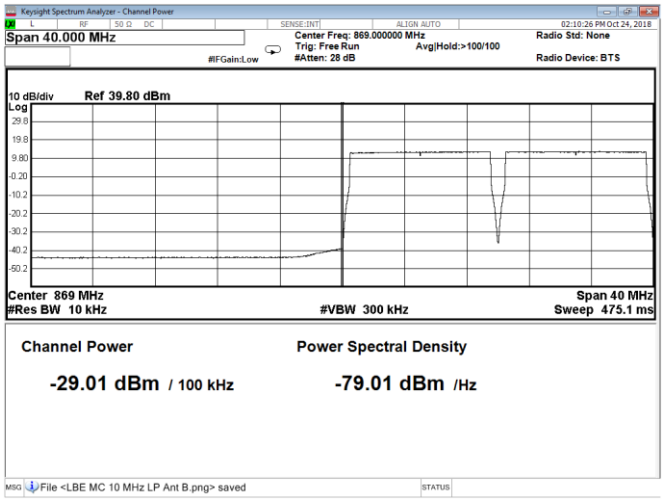

Figure 8.4-89: *Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 40 W configuration at Port A*

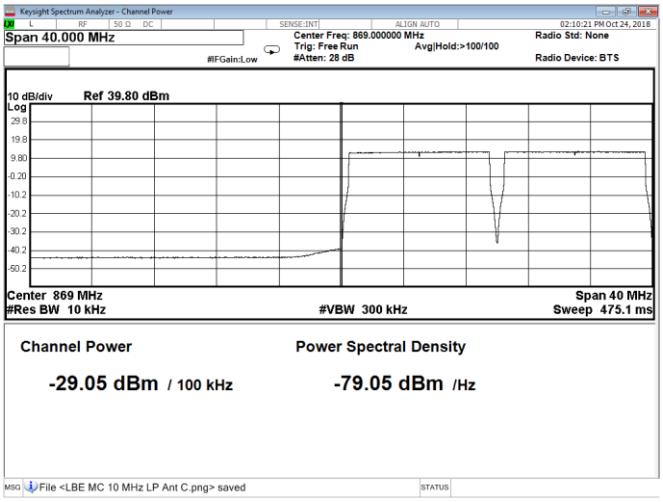

Figure 8.4-90: *Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 40 W configuration at Port B*

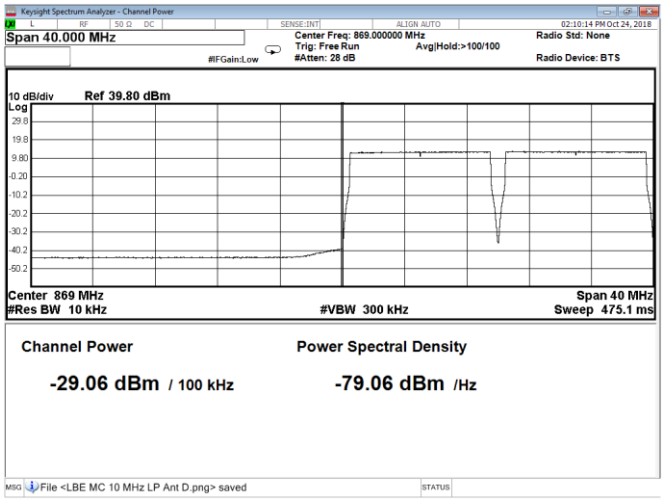

Figure 8.4-91: *Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 40 W configuration at Port C*

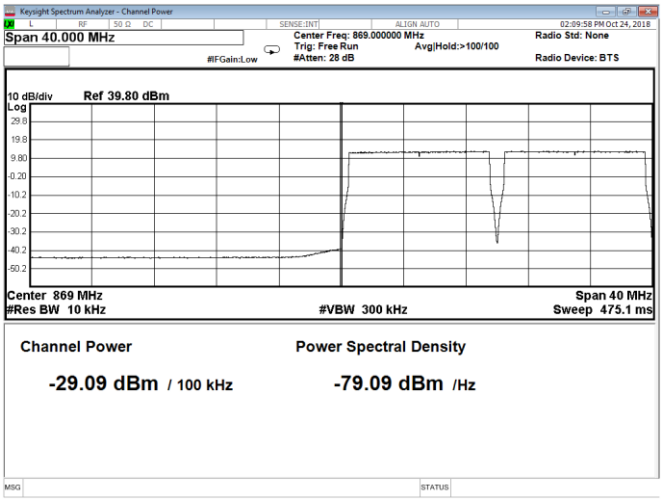

Figure 8.4-92: *Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 40 W configuration at Port D*

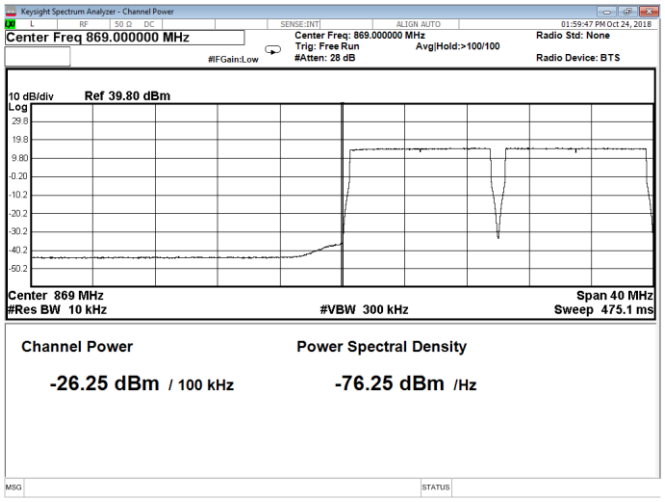

Figure 8.4-93: *Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 60 W configuration at Port A*

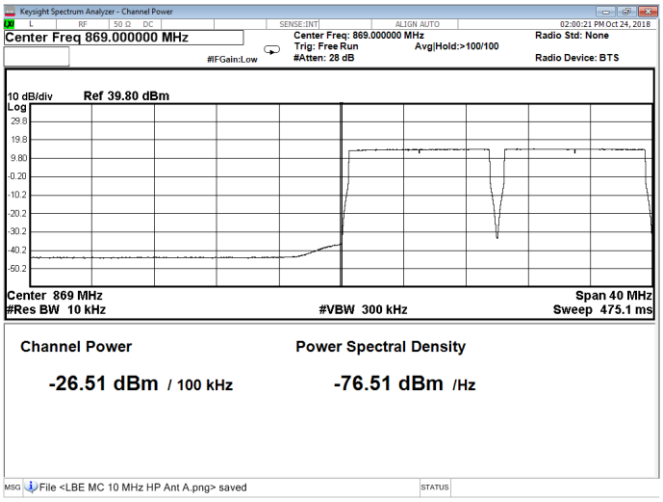

Figure 8.4-94: *Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 60 W configuration at Port C*

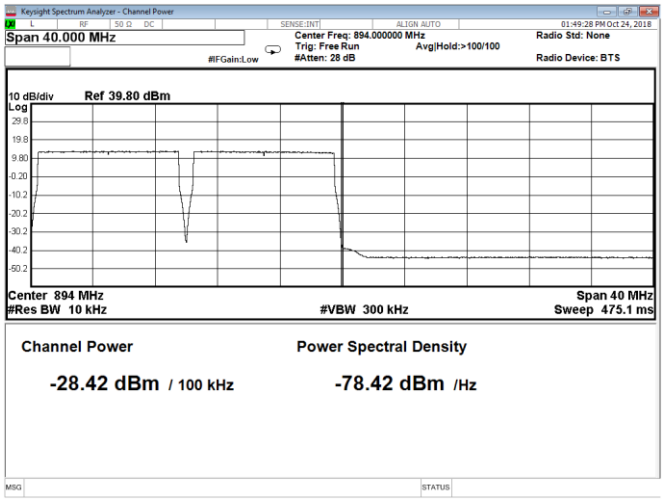

Figure 8.4-95: *Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 40 W configuration at Port A*

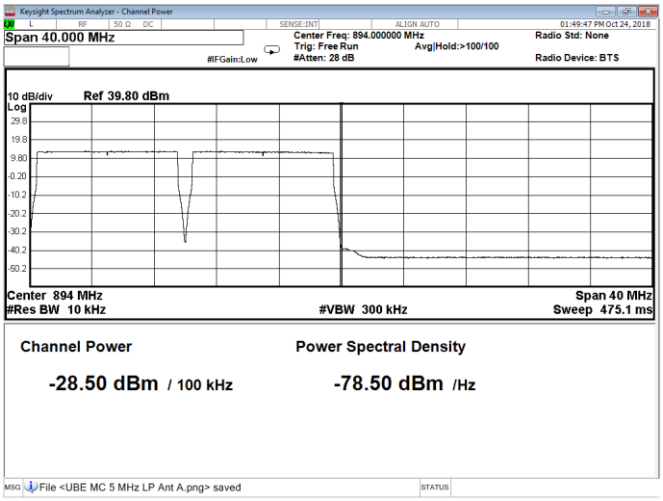

Figure 8.4-96: *Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 40 W configuration at Port B*

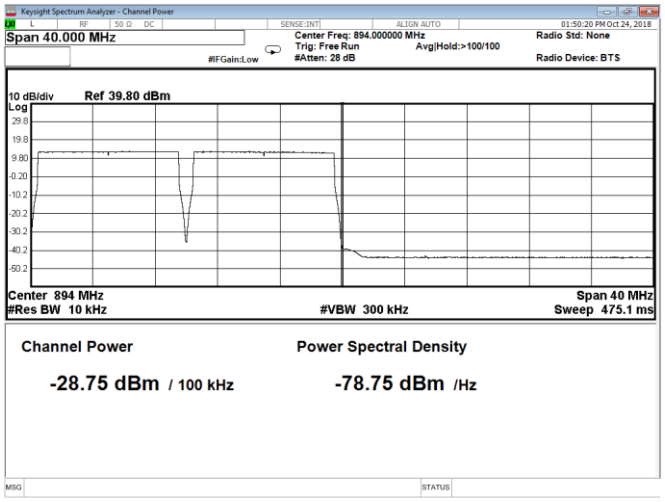

Figure 8.4-97: *Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 40 W configuration at Port C*

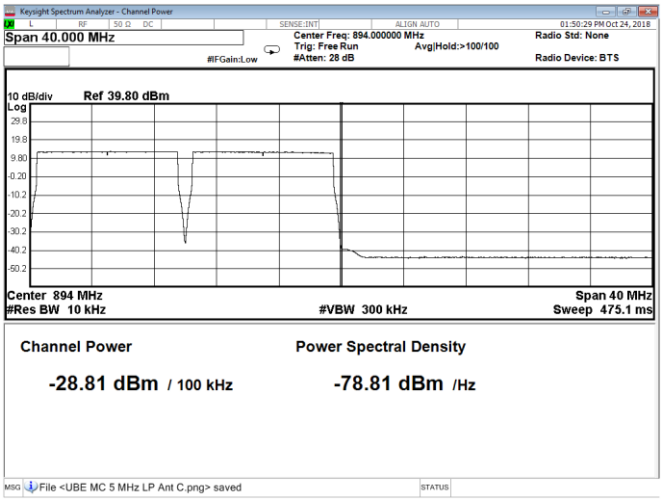

Figure 8.4-98: *Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 40 W configuration at Port D*

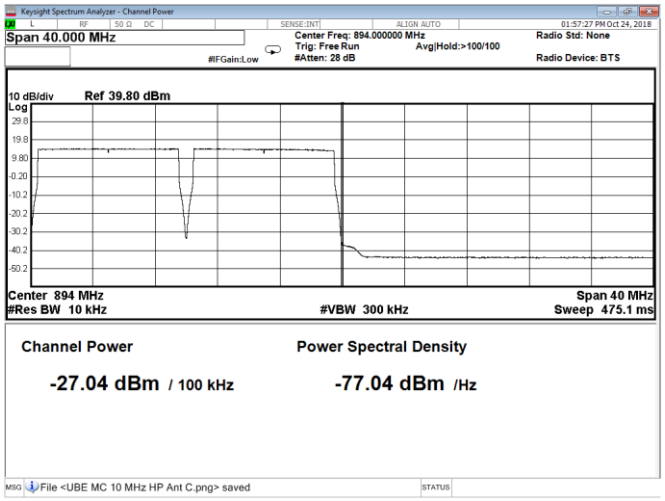

Figure 8.4-99: *Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 60 W configuration at Port A*

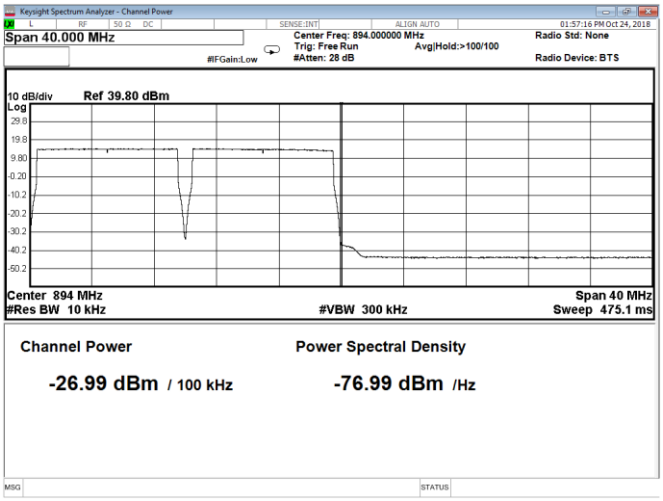

Figure 8.4-100: *Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 60 W configuration at Port C*

8.5 Spurious emissions at RF antenna connector (multi band B5 and B12A)

8.5.1 Definitions and limits

FCC P27, FCC P22, RSS-130 and RSS-132
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

8.5.2 Test summary

Test date	October 25, 2018

8.5.3 Observations, settings and special notes

The spectrum was searched from 30 MHz to the 10th harmonic.
All measurements were performed using a RMS detector.
For compensation of 40 W MIMO 4×4 application limit lines were adjusted by 6 dB[1] to −19 dBm
For compensation of 60 W MIMO 2×2 application limit lines were adjusted by 3 dB[2] to −16 dBm
[1] $10 \times \text{Log}_{10}(4) = -6$ dB
[2] $10 \times \text{Log}_{10}(2) = -3$ dB

8.5.4 Test data

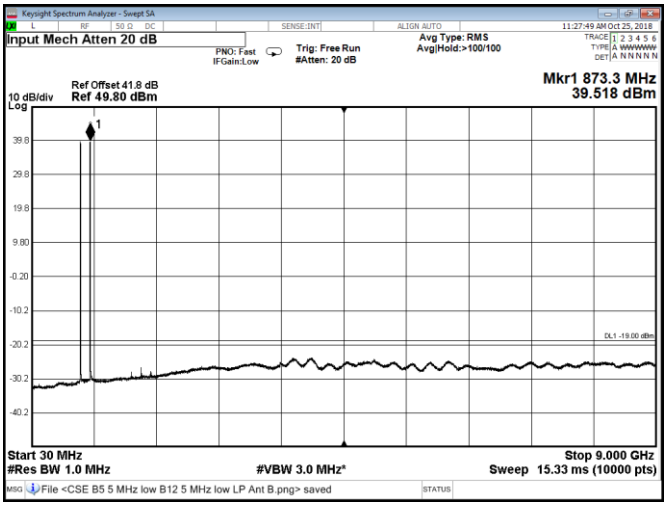

Figure 8.5-1: *Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz low channel with 40 W configuration at Port A*

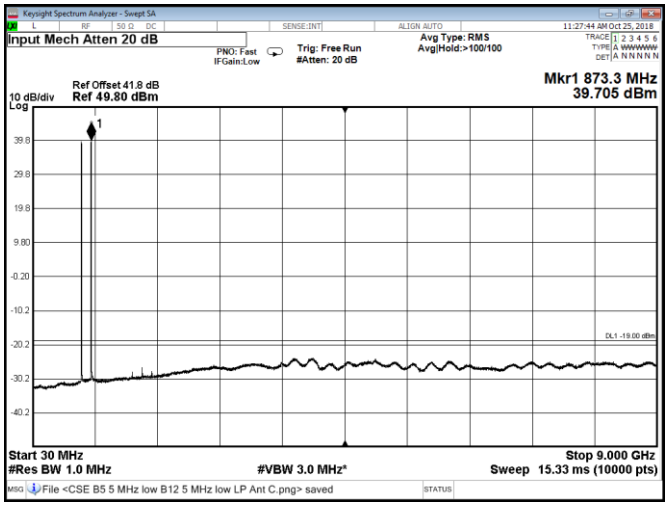

Figure 8.5-2: *Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz low channel with 40 W configuration at Port B*

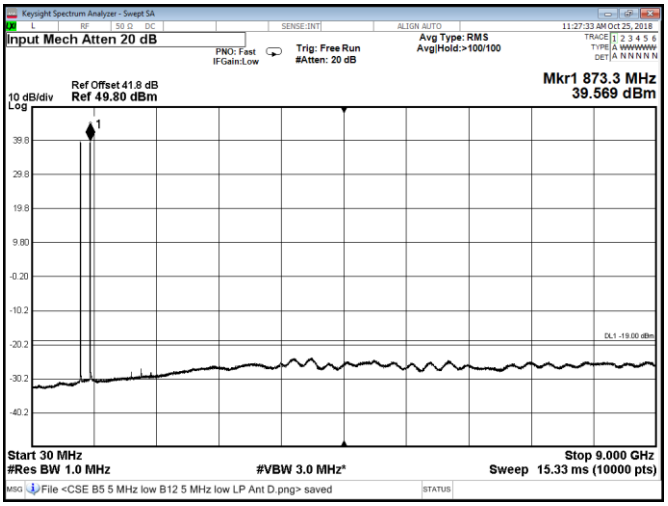

Figure 8.5-3: *Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz low channel with 40 W configuration at Port C*

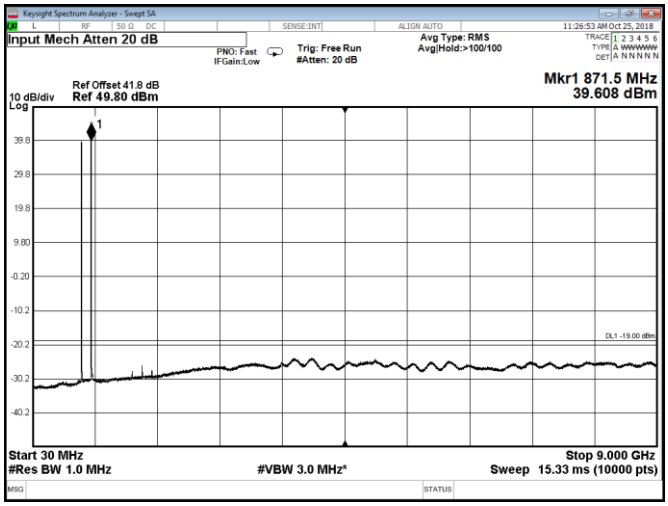

Figure 8.5-4: *Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz low channel with 40 W configuration at Port D*

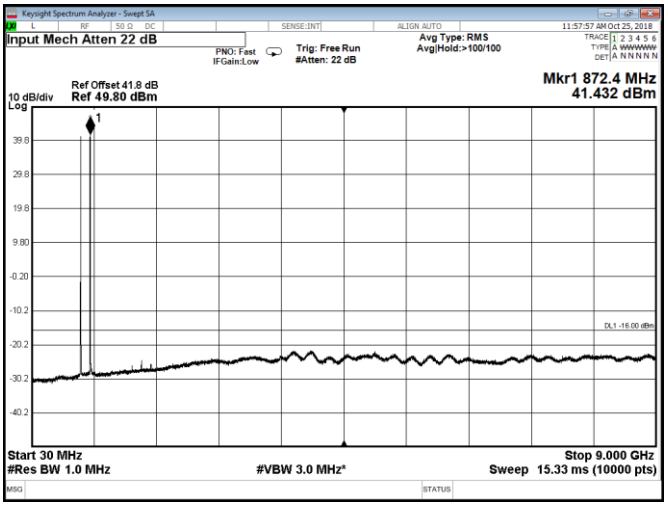

Figure 8.5-5: *Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz mid channel with 60 W configuration at Port A*

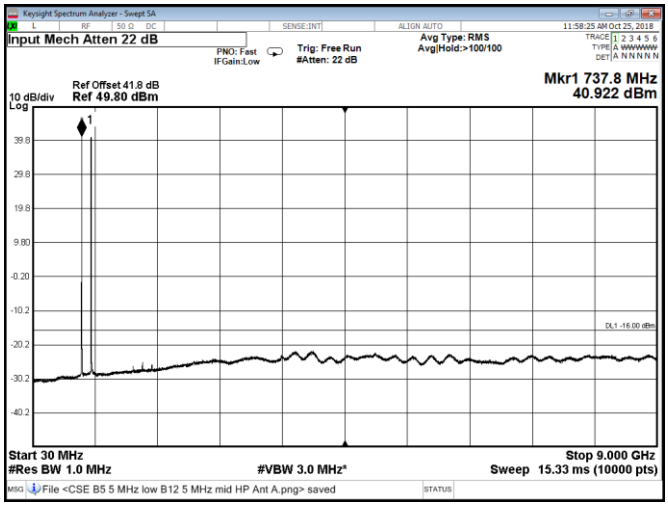

Figure 8.5-6: *Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz mid channel with 40 W configuration at Port C*

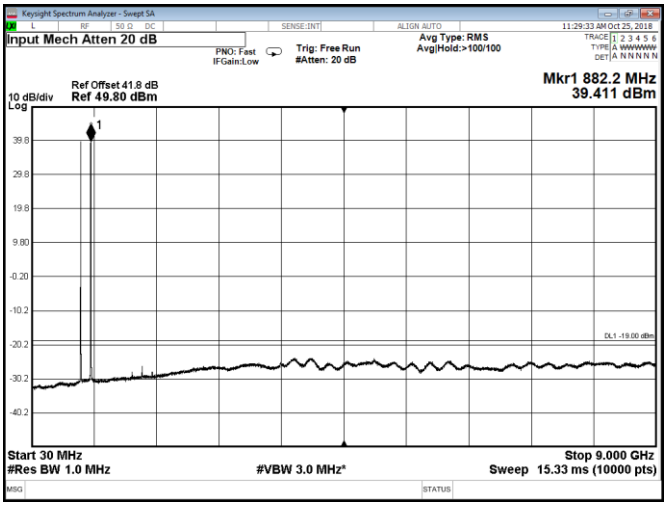

Figure 8.5-7: *Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 40 W configuration at Port A*

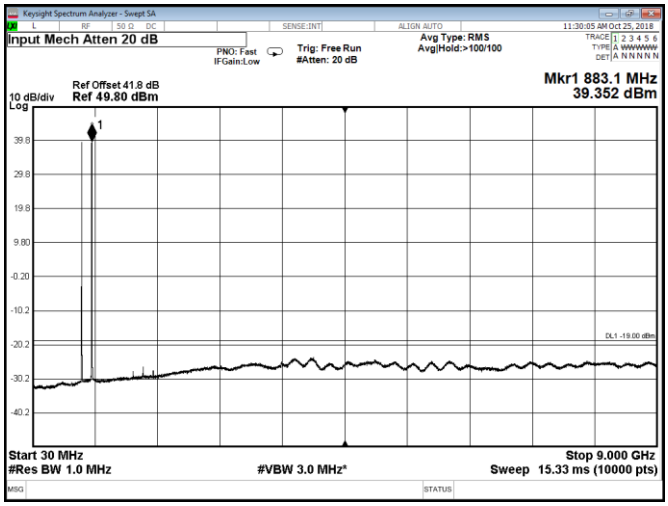

Figure 8.5-8: *Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 40 W configuration at Port B*

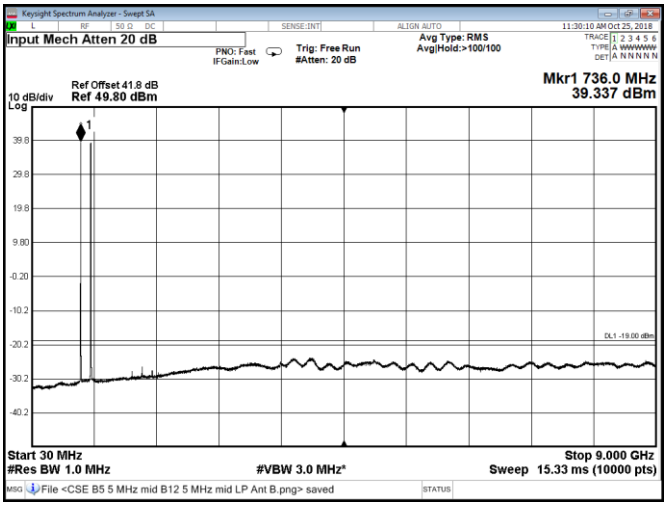

Figure 8.5-9: *Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 40 W configuration at Port C*

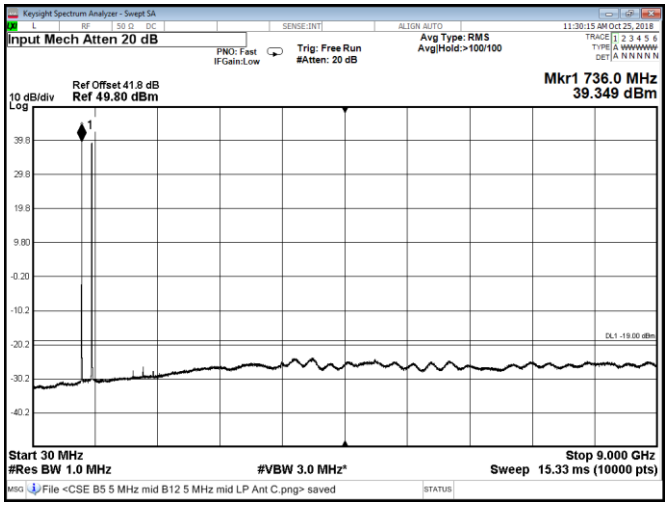

Figure 8.5-10: *Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 40 W configuration at Port D*

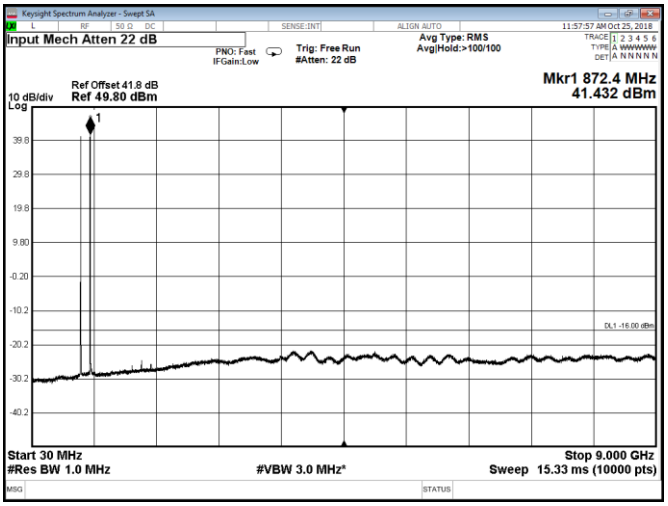

Figure 8.5-11: *Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 60 W configuration at Port A*

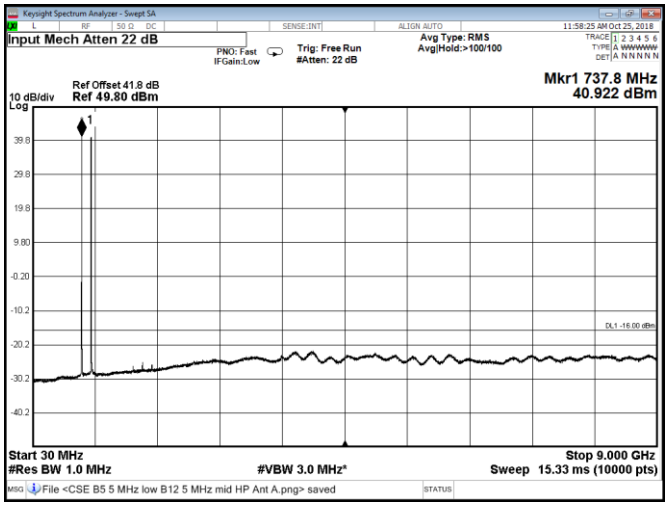

Figure 8.5-12: *Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 60 W configuration at Port C*

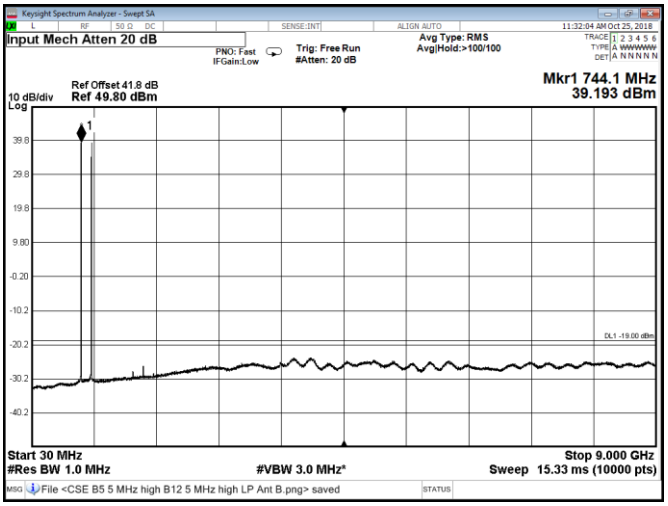

Figure 8.5-13: *Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 40 W configuration at Port A*

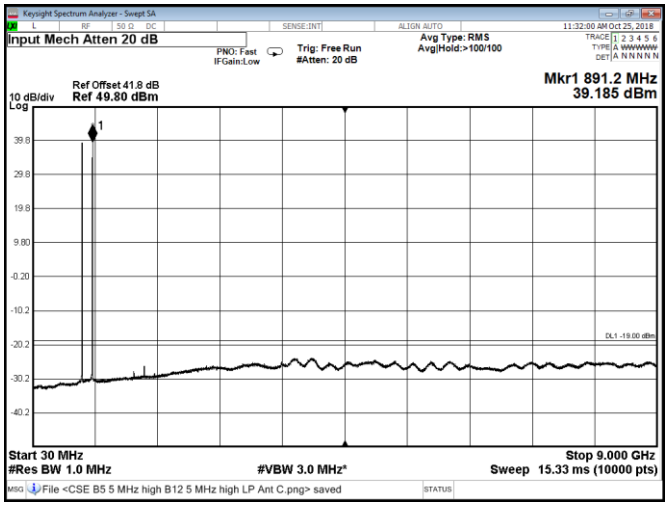

Figure 8.5-14: *Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 40 W configuration at Port B*

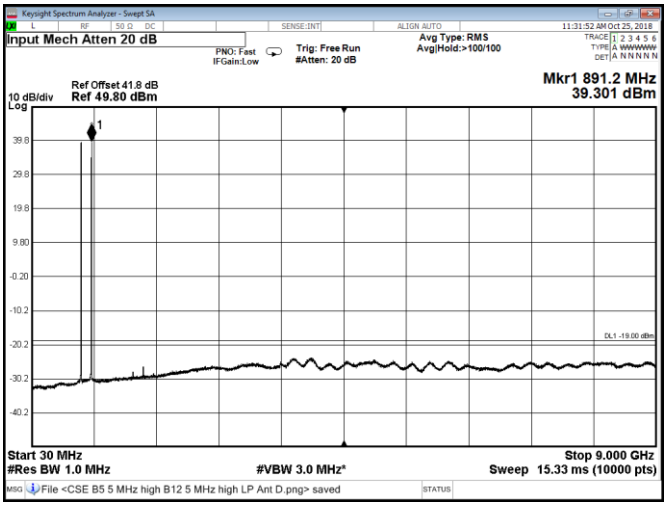

Figure 8.5-15: *Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 40 W configuration at Port C*

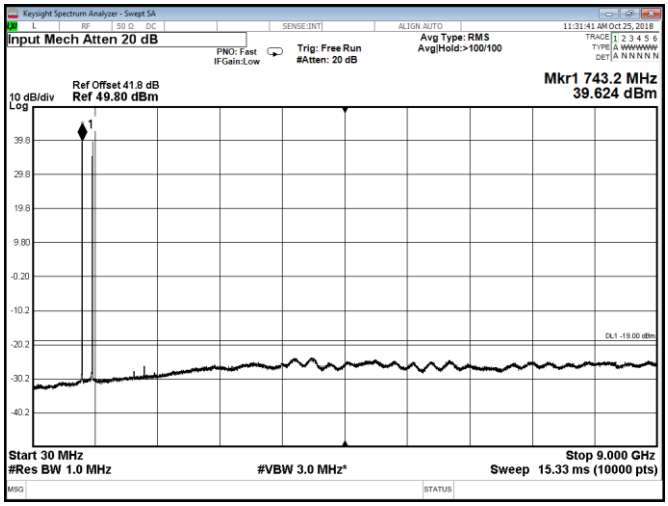

Figure 8.5-16: *Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 40 W configuration at Port D*

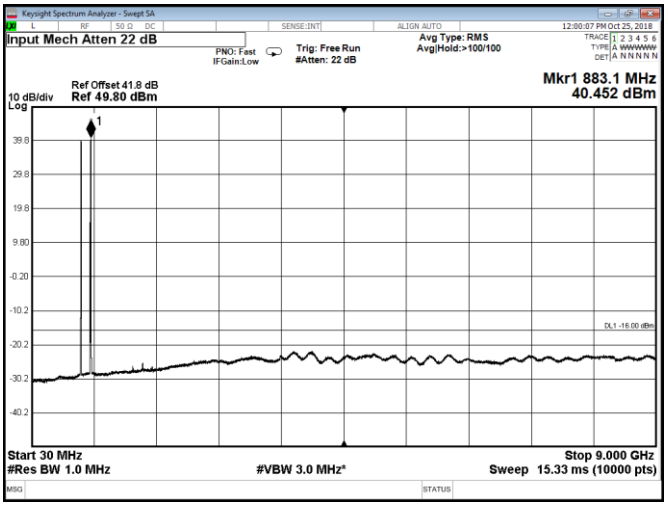

Figure 8.5-17: *Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 60 W configuration at Port A*

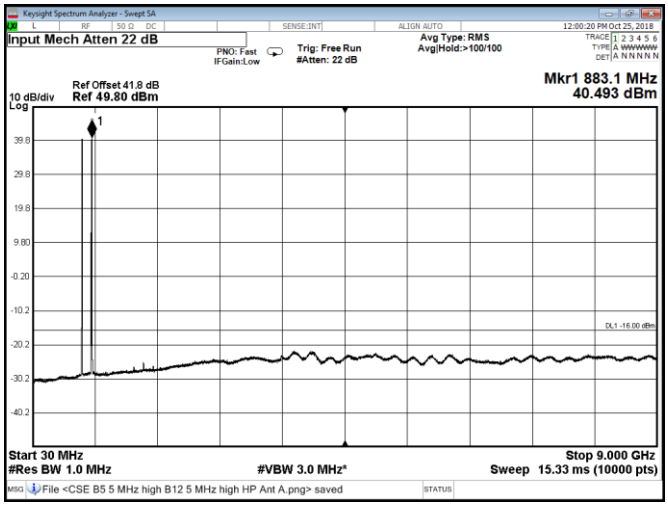

Figure 8.5-18: *Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 60 W configuration at Port C*

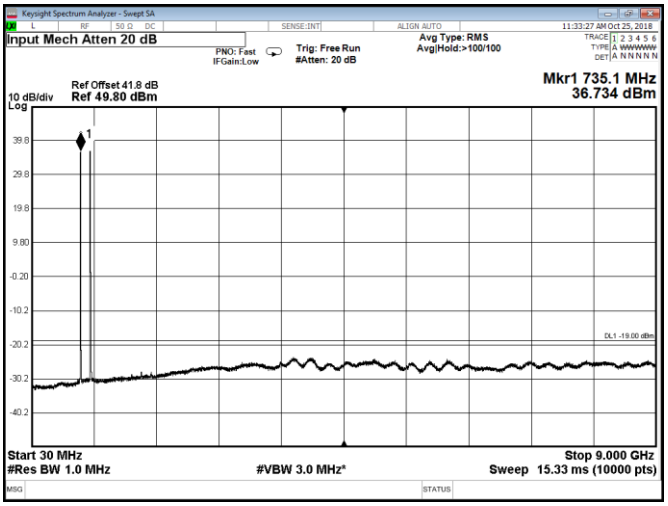

Figure 8.5-19: *Conducted spurious emissions for multi band B5 10 MHz low channel, B12A 10 MHz low channel with 40 W configuration at Port A*

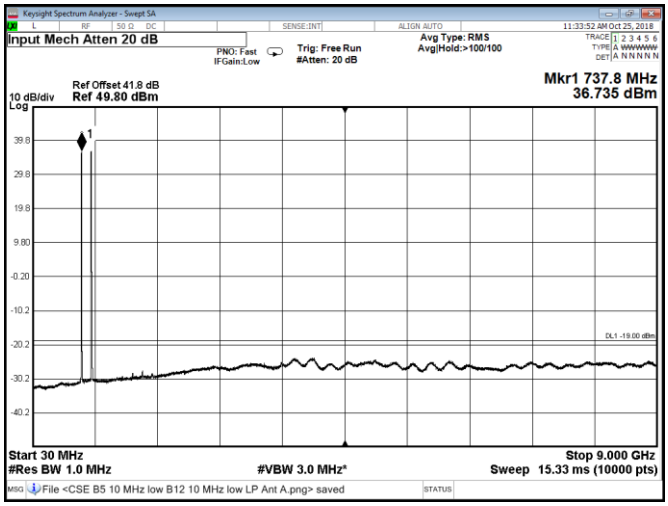

Figure 8.5-20: *Conducted spurious emissions for multi band B5 10 MHz low channel, B12A 10 MHz low channel with 40 W configuration at Port B*