

Section 8
Test name
Specification

Testing data
 Clause 22.917(a) and RSS-132 5.5 Spurious emissions at RF antenna connector (B5)
 FCC Part 22 and RSS-132

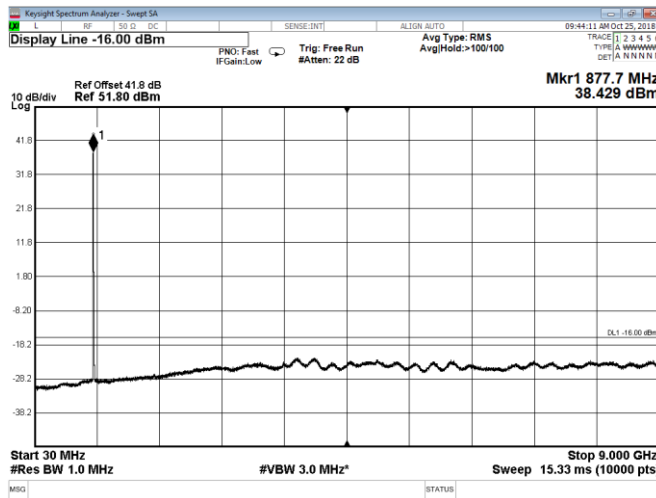


Figure 8.4-29: Conducted spurious emissions for 10 MHz low channel with 60 W configuration at Port A

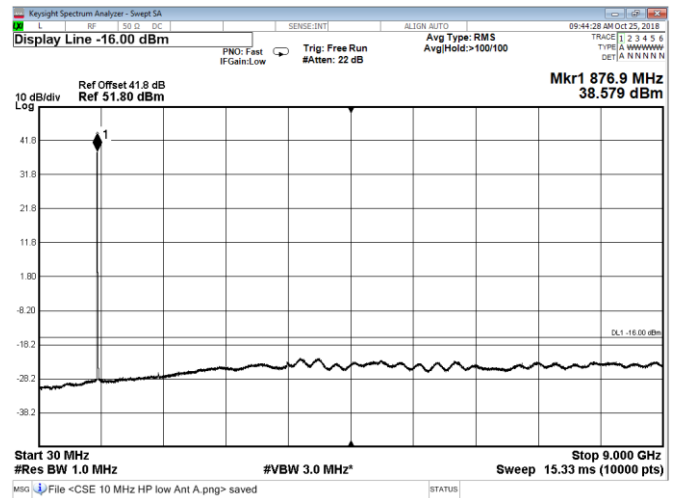


Figure 8.4-30: Conducted spurious emissions for 10 MHz low channel with 60 W configuration at Port C

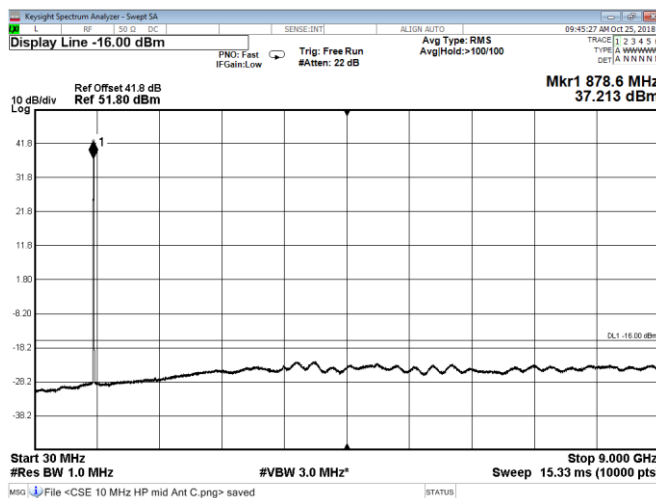


Figure 8.4-31: Conducted spurious emissions for 10 MHz mid channel with 60 W configuration at Port A

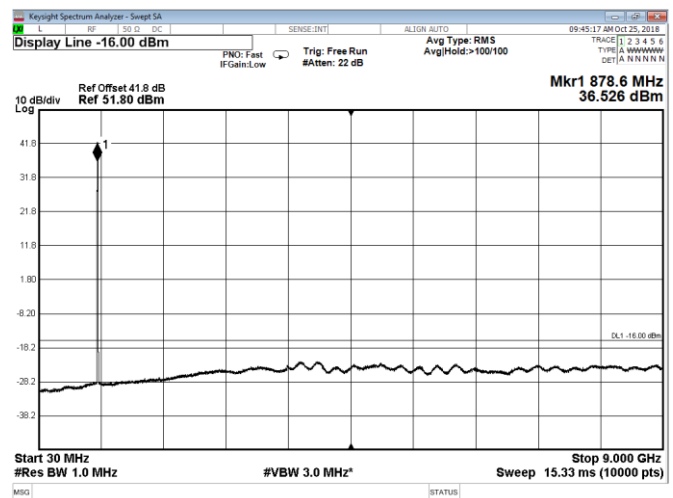


Figure 8.4-32: Conducted spurious emissions for 10 MHz mid channel with 60 W configuration at Port C

Section 8
Test name
Specification

Testing data
 Clause 22.917(a) and RSS-132 5.5 Spurious emissions at RF antenna connector (B5)
 FCC Part 22 and RSS-132

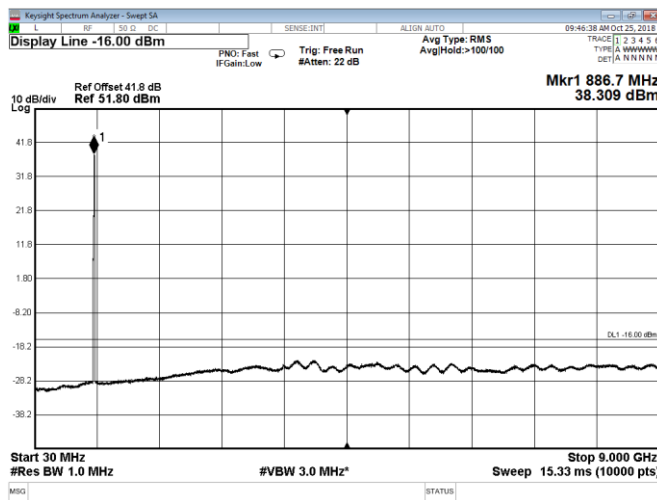


Figure 8.4-33: Conducted spurious emissions for 10 MHz high channel with 60 W configuration at Port A

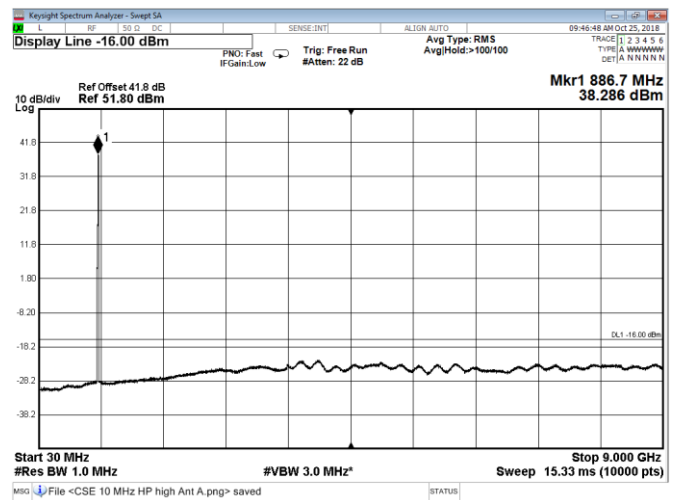


Figure 8.4-34: Conducted spurious emissions for 10 MHz high channel with 60 W configuration at Port C

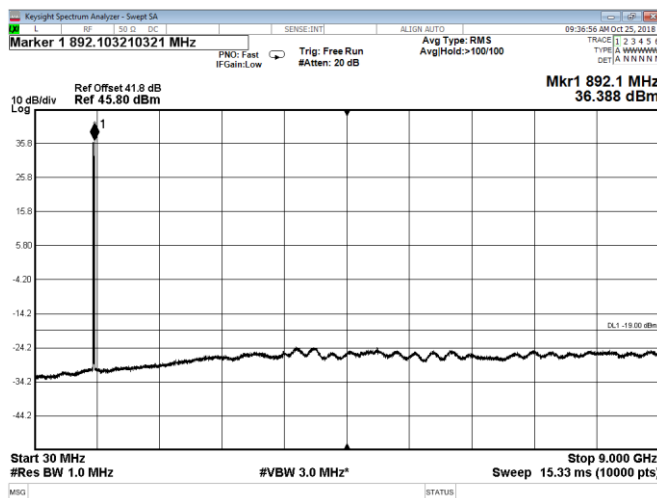


Figure 8.4-35: Conducted spurious emissions for MC 2×5 MHz channel with 40 W configuration at Port A

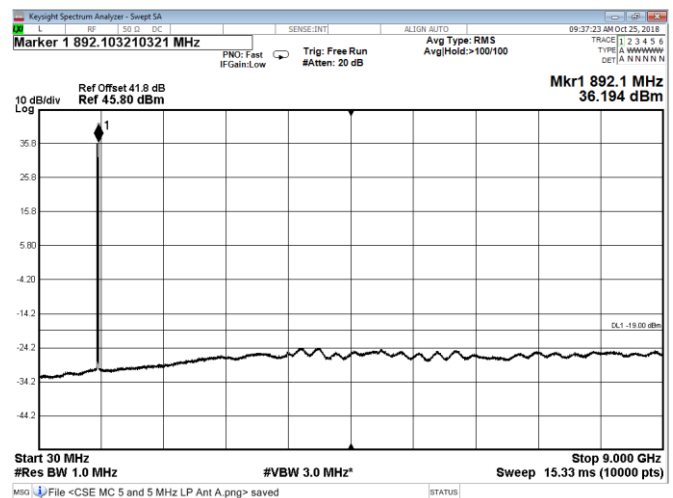


Figure 8.4-36: Conducted spurious emissions for MC 2×5 MHz channel with 40 W configuration at Port B

Section 8
Test name
Specification

Testing data
 Clause 22.917(a) and RSS-132 5.5 Spurious emissions at RF antenna connector (B5)
 FCC Part 22 and RSS-132

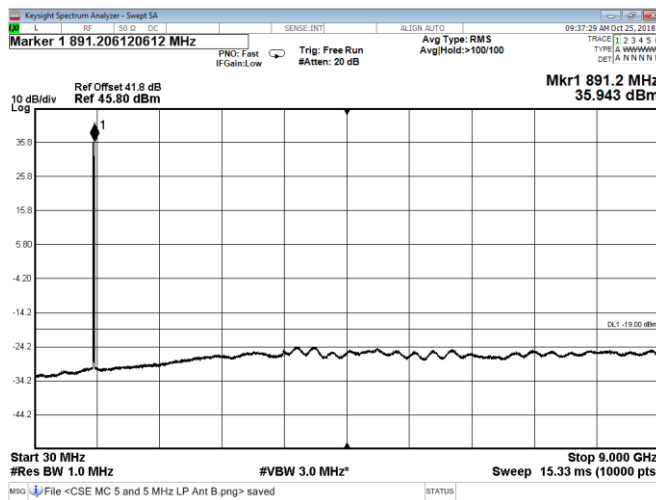


Figure 8.4-37: Conducted spurious emissions for MC 2×5 MHz channel with 40 W configuration at Port C

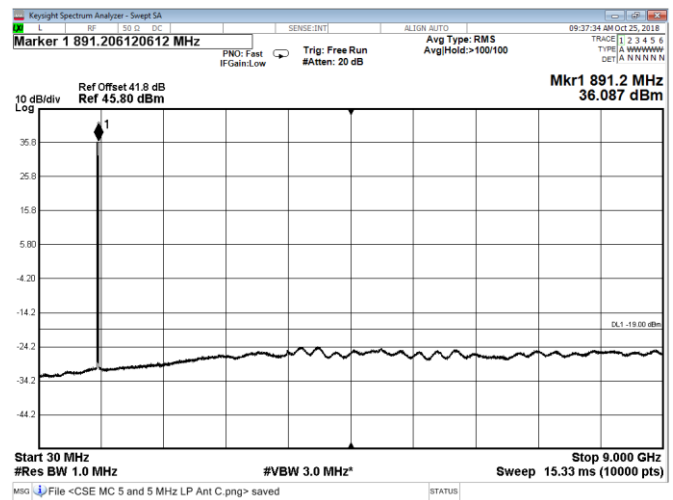


Figure 8.4-38: Conducted spurious emissions for MC 2×5 MHz channel with 40 W configuration at Port D

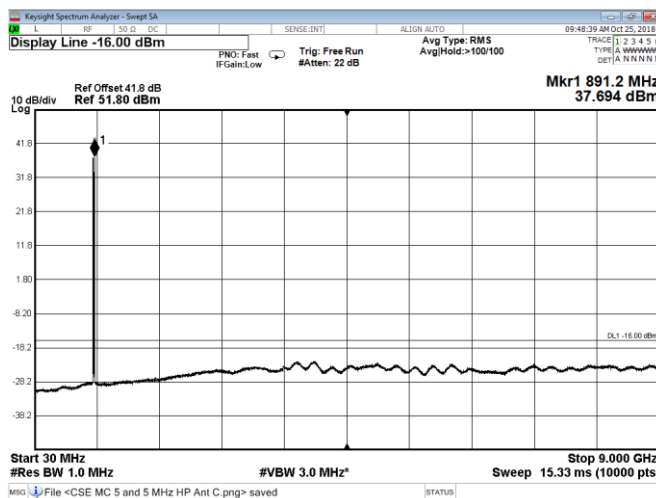


Figure 8.4-39: Conducted spurious emissions for MC 2×5 MHz channel with 60 W configuration at Port A

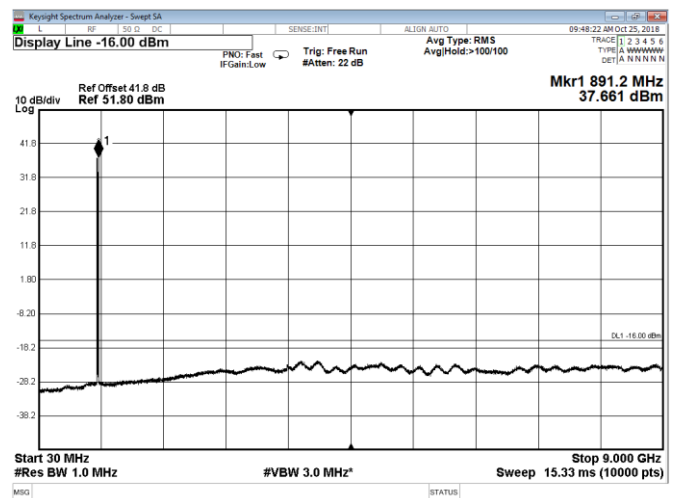


Figure 8.4-40: Conducted spurious emissions for MC 2×5 MHz channel with 60 W configuration at Port C

Section 8
Test name
Specification

Testing data
 Clause 22.917(a) and RSS-132 5.5 Spurious emissions at RF antenna connector (B5)
 FCC Part 22 and RSS-132

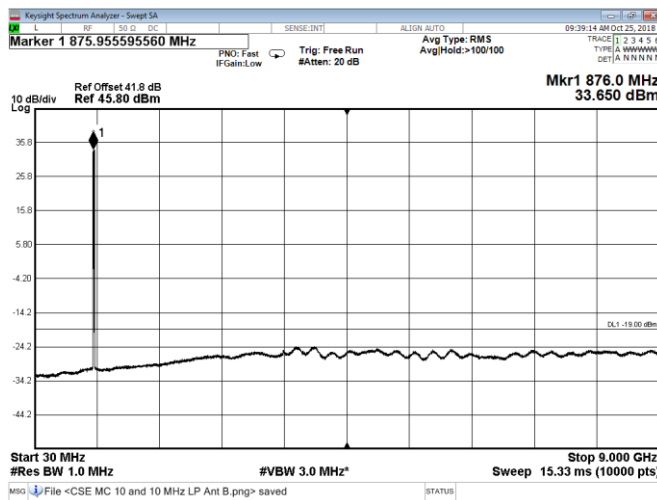


Figure 8.4-41: Conducted spurious emissions for MC 2×10 MHz channel with 40 W configuration at Port A

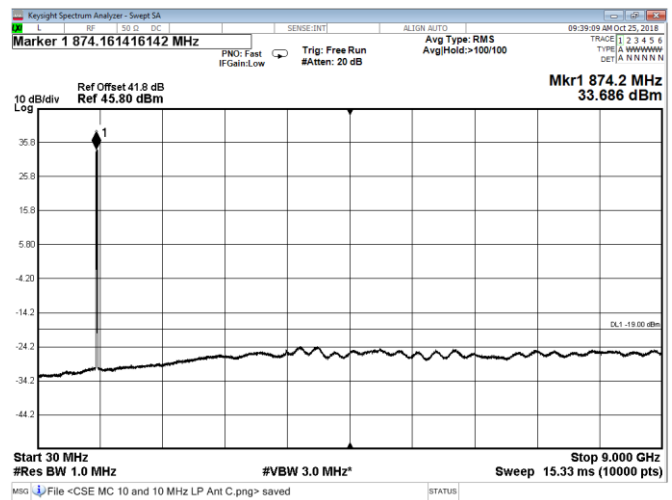


Figure 8.4-42: Conducted spurious emissions for MC 2×10 MHz channel with 40 W configuration at Port B

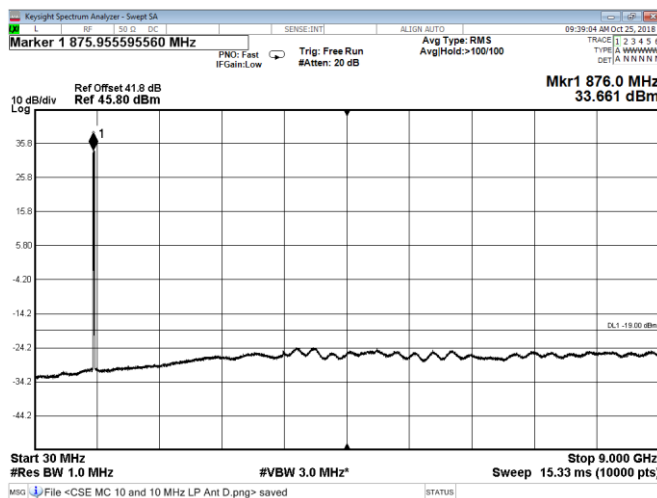


Figure 8.4-43: Conducted spurious emissions for MC 2×10 MHz channel with 40 W configuration at Port C

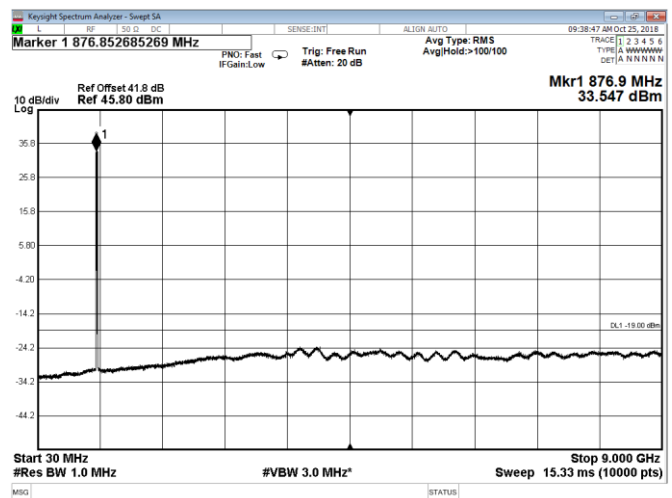


Figure 8.4-44: Conducted spurious emissions for MC 2×10 MHz channel with 40 W configuration at Port D

Section 8
Test name
Specification

Testing data
 Clause 22.917(a) and RSS-132 5.5 Spurious emissions at RF antenna connector (B5)
 FCC Part 22 and RSS-132

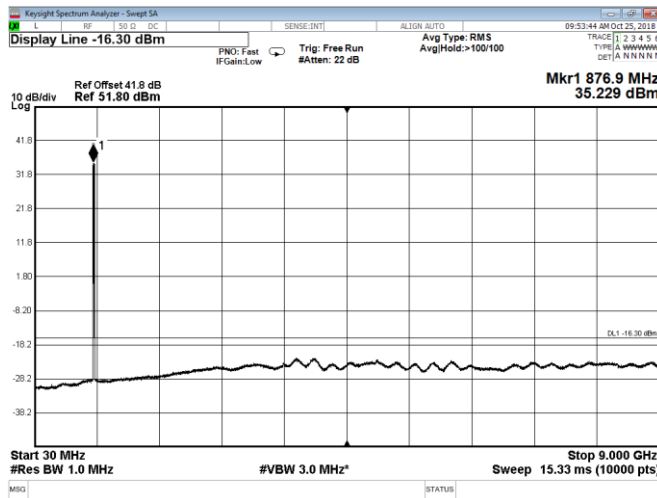


Figure 8.4-45: Conducted spurious emissions for MC 2×10 MHz channel with 60 W configuration at Port A

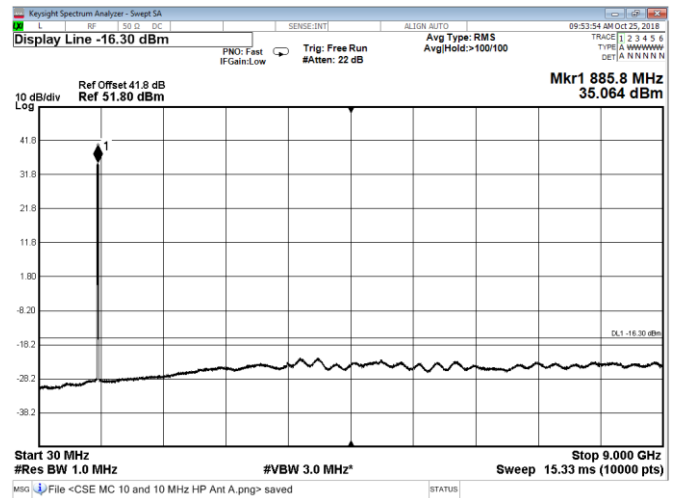


Figure 8.4-46: Conducted spurious emissions for MC 2×10 MHz channel with 60 W configuration at Port C

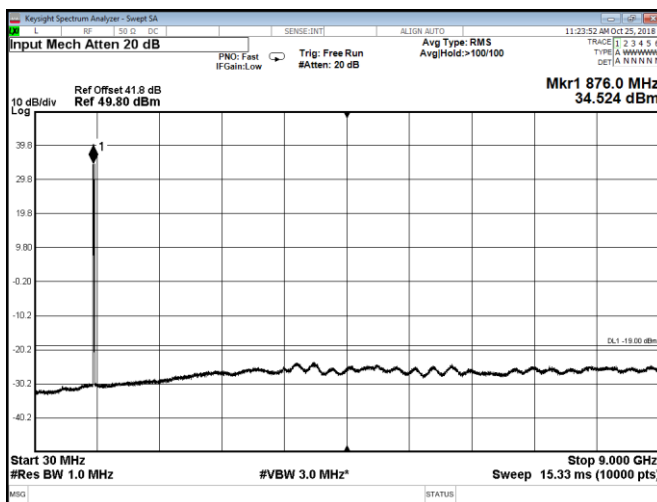


Figure 8.4-47: Conducted spurious emissions for MC 3×5 MHz channel with 40 W configuration at Port A

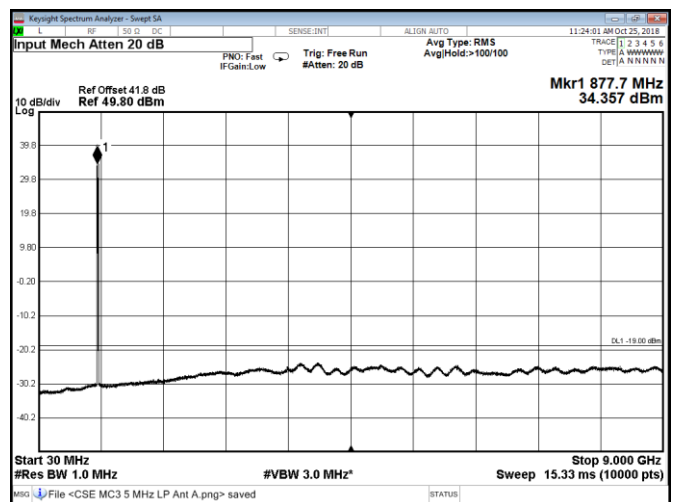


Figure 8.4-48: Conducted spurious emissions for MC 3×5 MHz channel with 40 W configuration at Port B

Section 8
Test name
Specification

Testing data
 Clause 22.917(a) and RSS-132 5.5 Spurious emissions at RF antenna connector (B5)
 FCC Part 22 and RSS-132

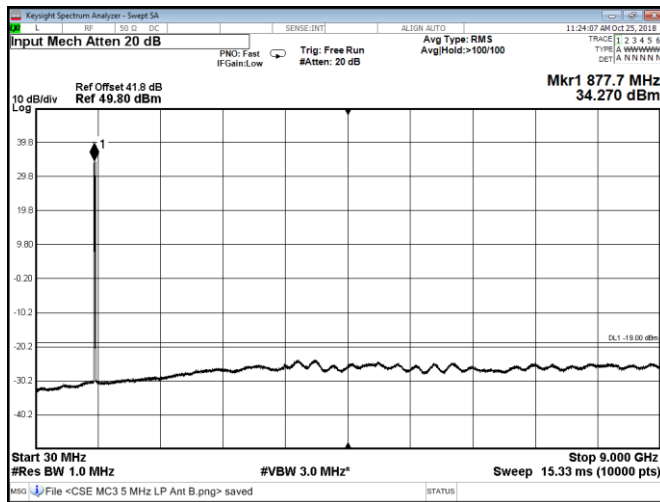


Figure 8.4-49: Conducted spurious emissions for MC 3×5 MHz channel with 40 W configuration at Port C

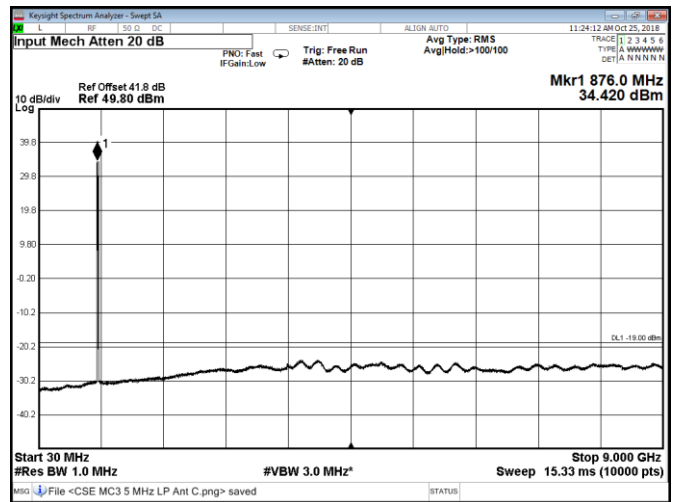


Figure 8.4-50: Conducted spurious emissions for MC 3×5 MHz channel with 40 W configuration at Port D

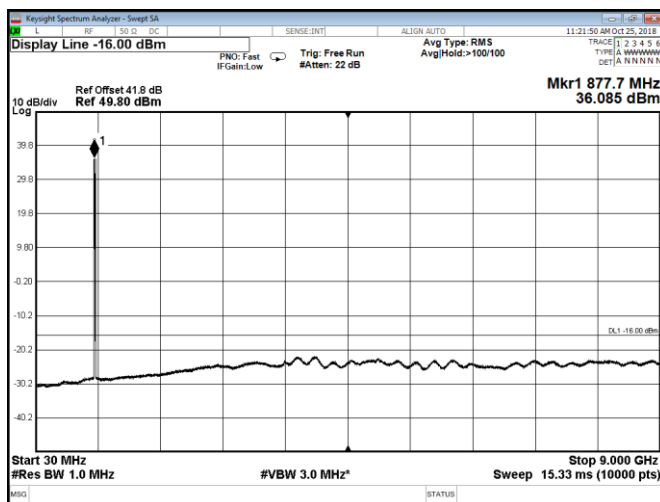


Figure 8.4-51: Conducted spurious emissions for MC 3×5 MHz channel with 60 W configuration at Port A

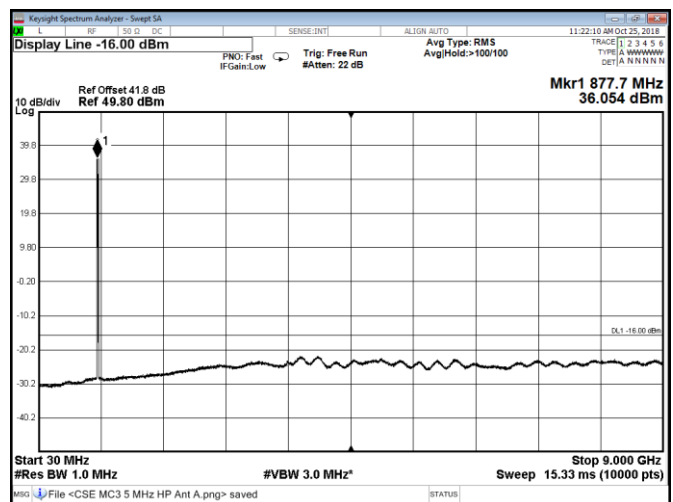


Figure 8.4-52: Conducted spurious emissions for MC 3×5 MHz channel with 60 W configuration at Port C

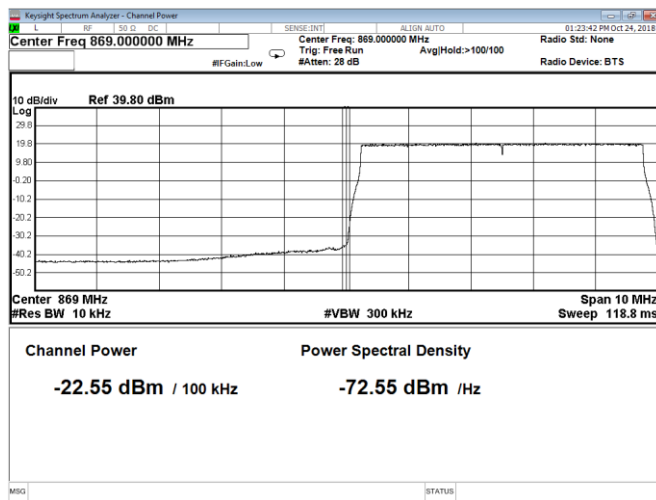


Figure 8.4-53: Conducted band edge emission at 869 MHz, 5 MHz channel with 40 W configuration at Port A

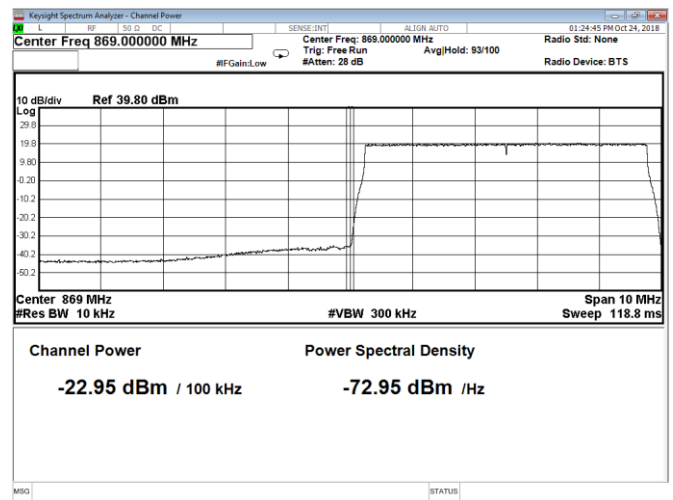


Figure 8.4-54: Conducted band edge emission at 869 MHz, 5 MHz channel with 40 W configuration at Port B

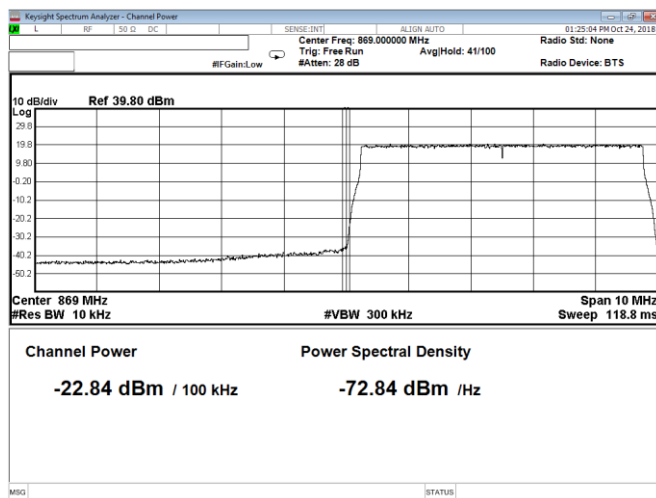


Figure 8.4-55: Conducted band edge emission at 869 MHz, 5 MHz channel with 40 W configuration at Port C

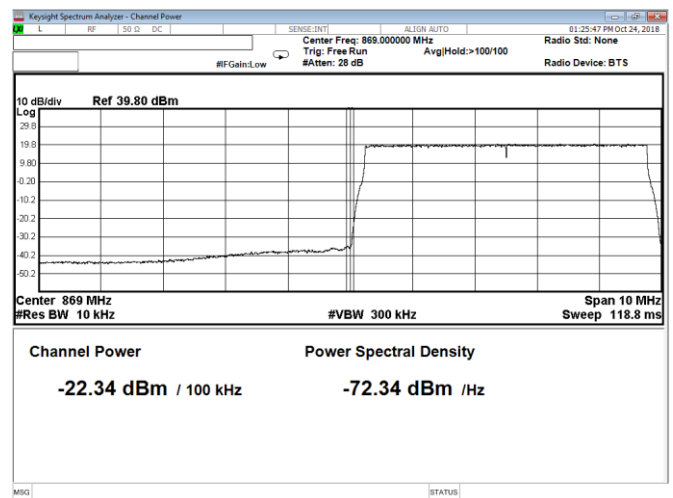


Figure 8.4-56: Conducted band edge emission at 869 MHz, 5 MHz channel with 40 W configuration at Port D

Section 8
Test name
Specification

Testing data
 Clause 22.917(a) and RSS-132 5.5 Spurious emissions at RF antenna connector (B5)
 FCC Part 22 and RSS-132

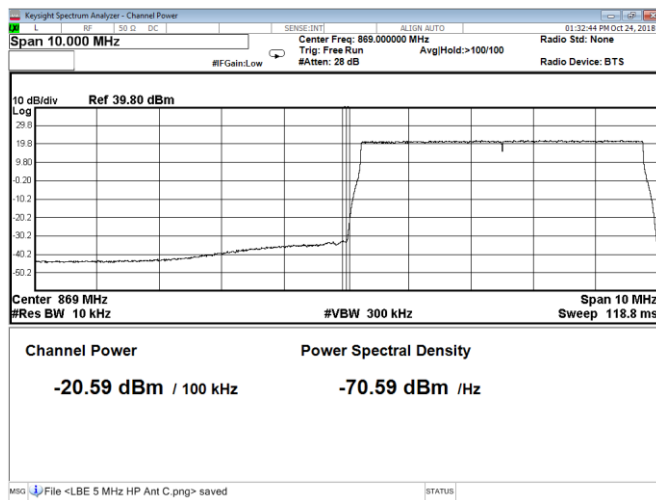


Figure 8.4-57: Conducted band edge emission at 869 MHz, 5 MHz channel with 60 W configuration at Port A

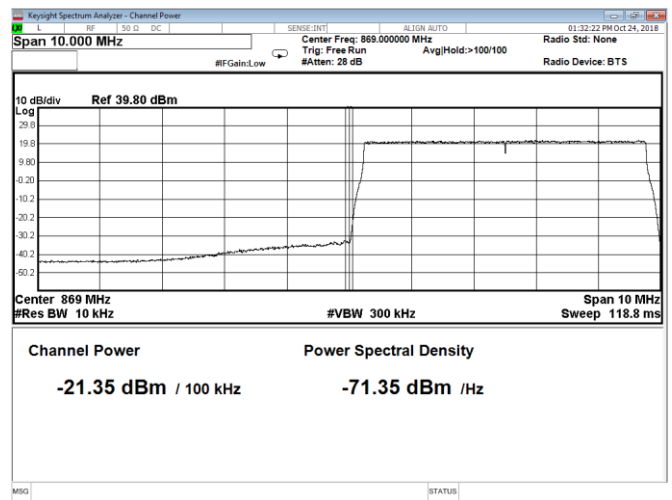


Figure 8.4-58: Conducted band edge emission at 869 MHz, 5 MHz channel with 60 W configuration at Port C

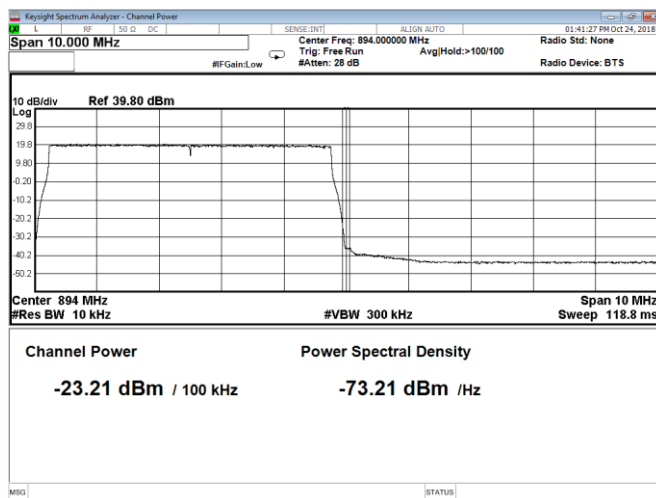


Figure 8.4-59: Conducted band edge emission at 894 MHz, 5 MHz channel with 40 W configuration at Port A

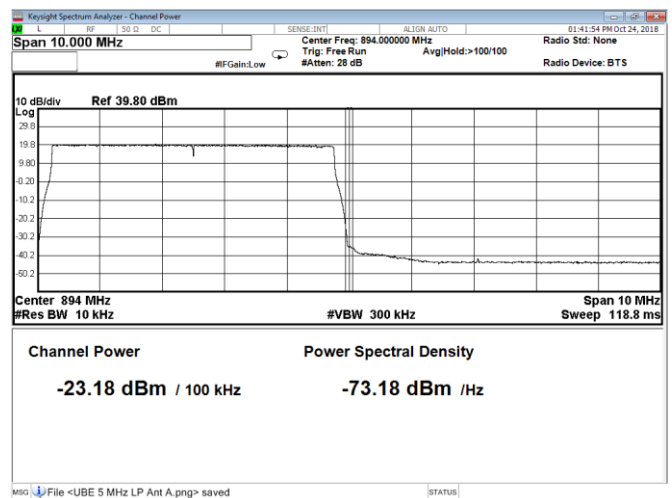


Figure 8.4-60: Conducted band edge emission at 894 MHz, 5 MHz channel with 40 W configuration at Port B

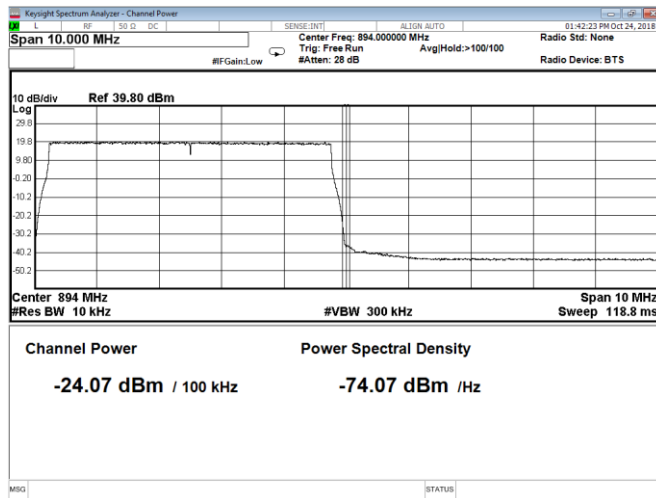


Figure 8.4-61: Conducted band edge emission at 894 MHz, 5 MHz channel with 40 W configuration at Port C

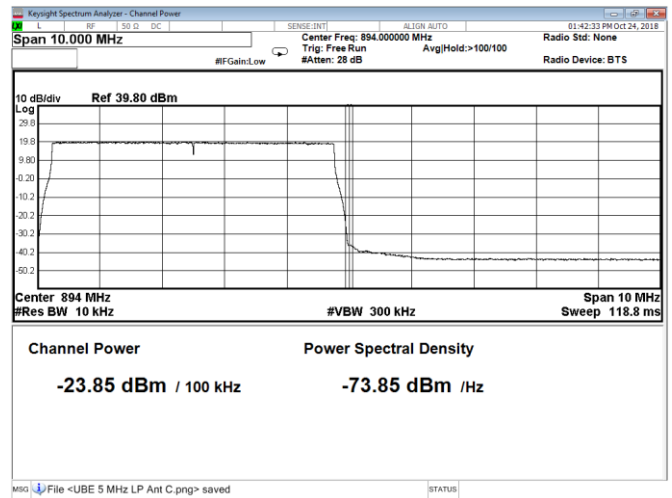


Figure 8.4-62: Conducted band edge emission at 894 MHz, 5 MHz channel with 40 W configuration at Port D

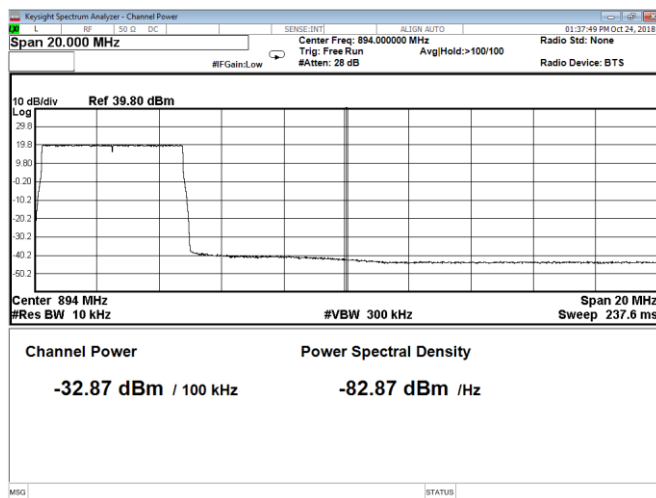


Figure 8.4-63: Conducted band edge emission at 894 MHz, 5 MHz channel with 60 W configuration at Port A

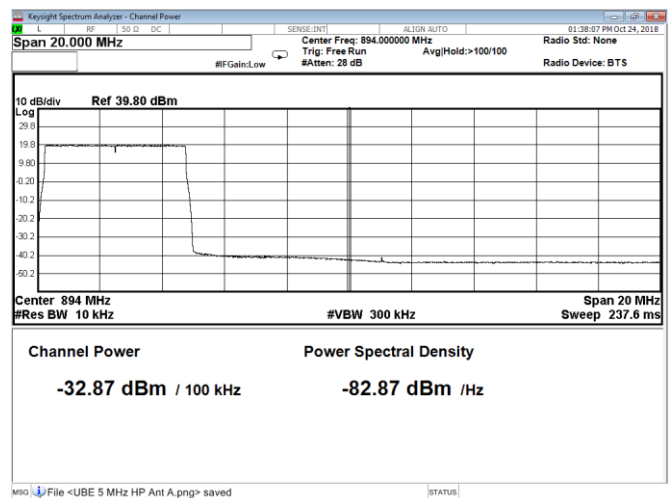


Figure 8.4-64: Conducted band edge emission at 894 MHz, 5 MHz channel with 60 W configuration at Port C

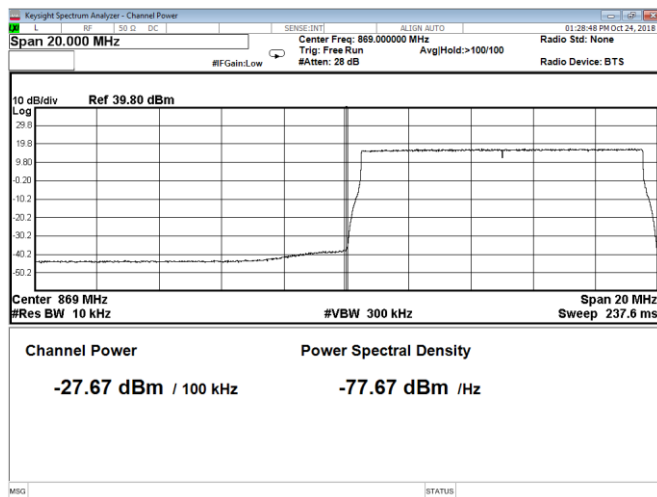


Figure 8.4-65: Conducted band edge emission at 869 MHz, 10 MHz channel with 40 W configuration at Port A

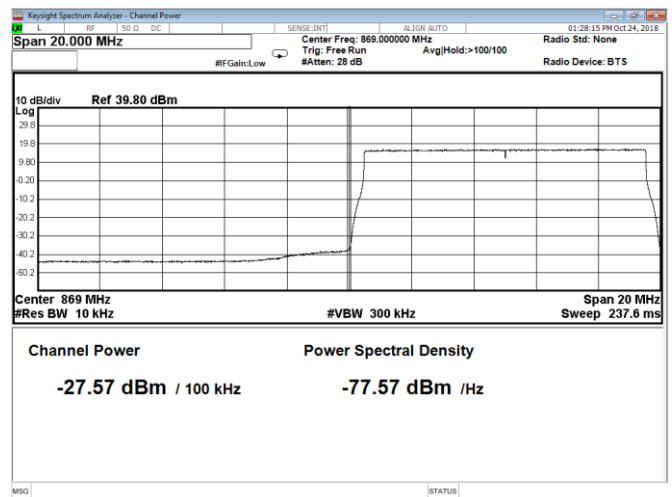


Figure 8.4-66: Conducted band edge emission at 869 MHz, 10 MHz channel with 40 W configuration at Port B

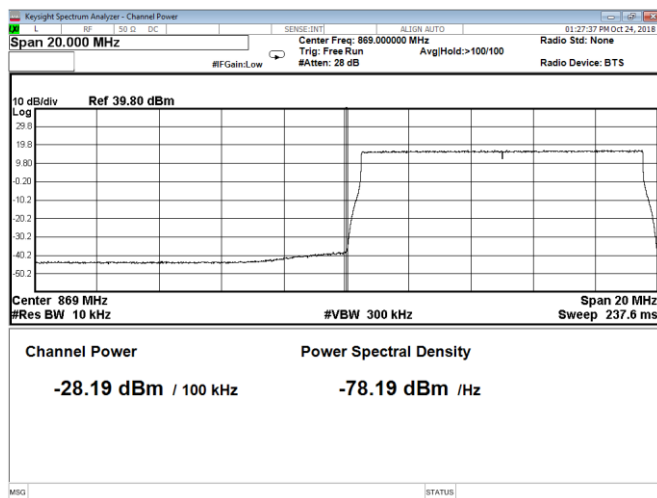


Figure 8.4-67: Conducted band edge emission at 869 MHz, 10 MHz channel with 40 W configuration at Port C

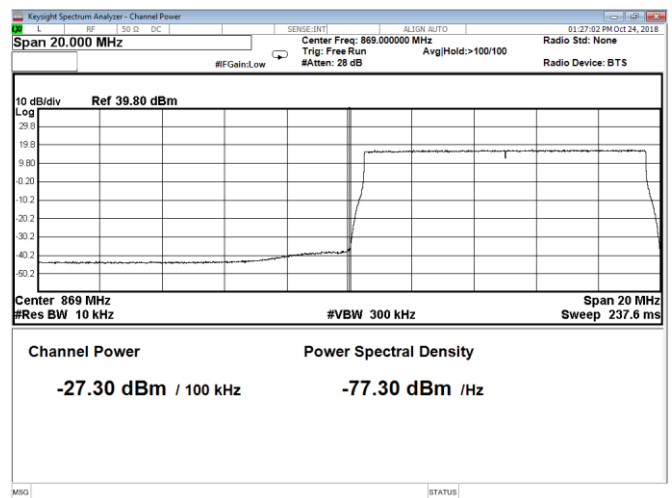


Figure 8.4-68: Conducted band edge emission at 869 MHz, 10 MHz channel with 40 W configuration at Port D

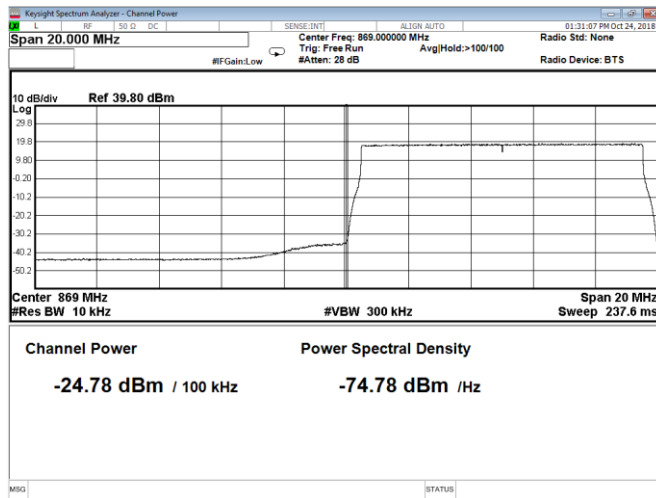


Figure 8.4-69: Conducted band edge emission at 869 MHz, 10 MHz channel with 60 W configuration at Port A

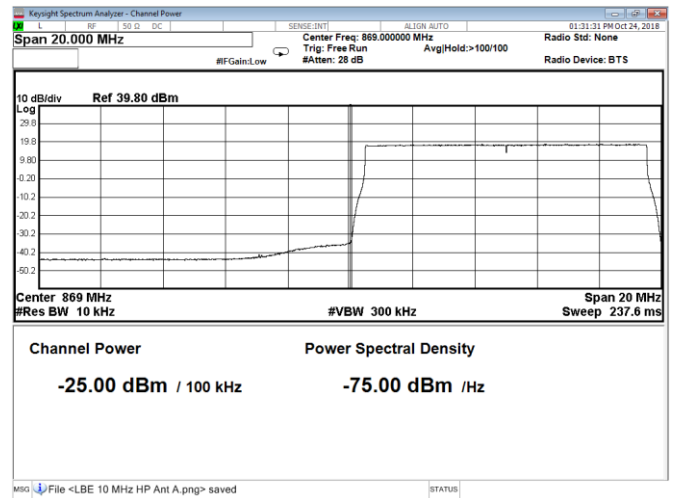


Figure 8.4-70: Conducted band edge emission at 869 MHz, 10 MHz channel with 60 W configuration at Port C

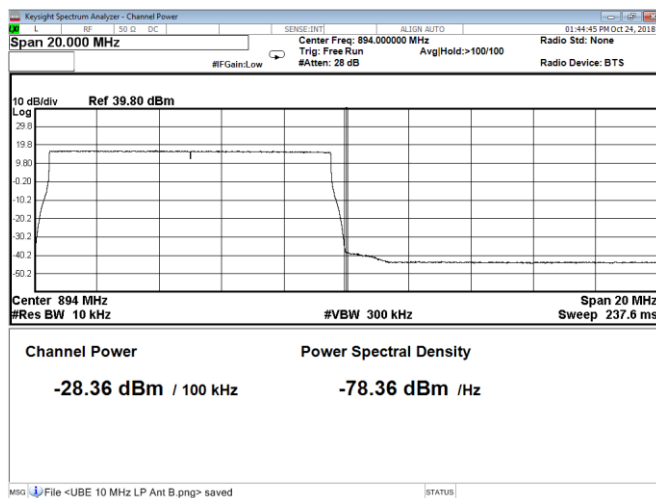


Figure 8.4-71: Conducted band edge emission at 894 MHz, 10 MHz channel with 40 W configuration at Port A

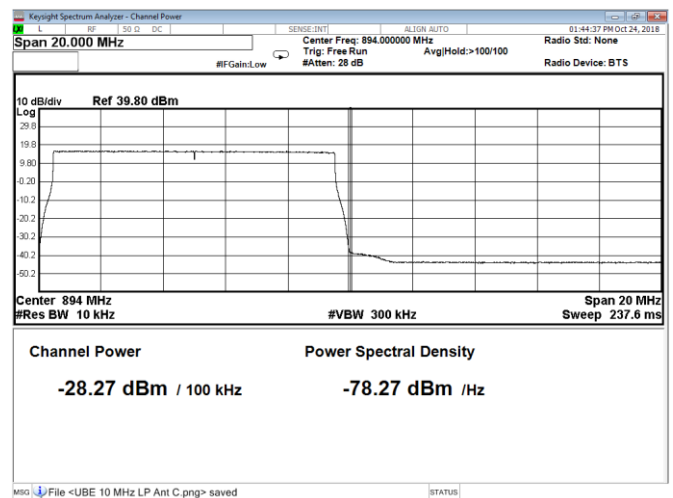


Figure 8.4-72: Conducted band edge emission at 894 MHz, 10 MHz channel with 40 W configuration at Port B

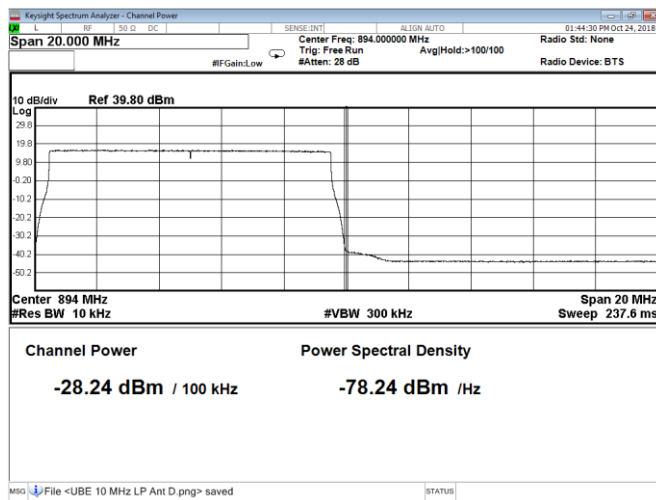


Figure 8.4-73: Conducted band edge emission at 894 MHz, 10 MHz channel with 40 W configuration at Port C

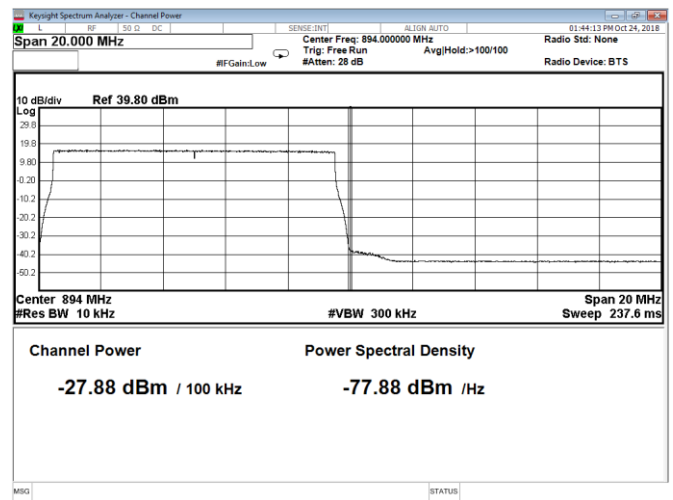


Figure 8.4-74: Conducted band edge emission at 894 MHz, 10 MHz channel with 40 W configuration at Port D

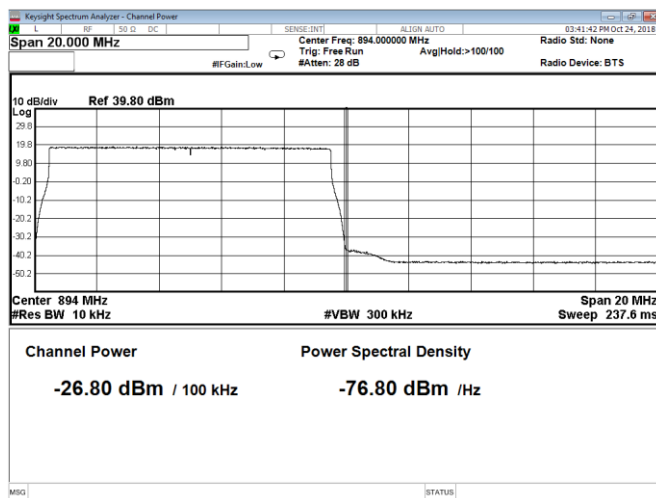


Figure 8.4-75: Conducted band edge emission at 894 MHz, 10 MHz channel with 60 W configuration at Port A

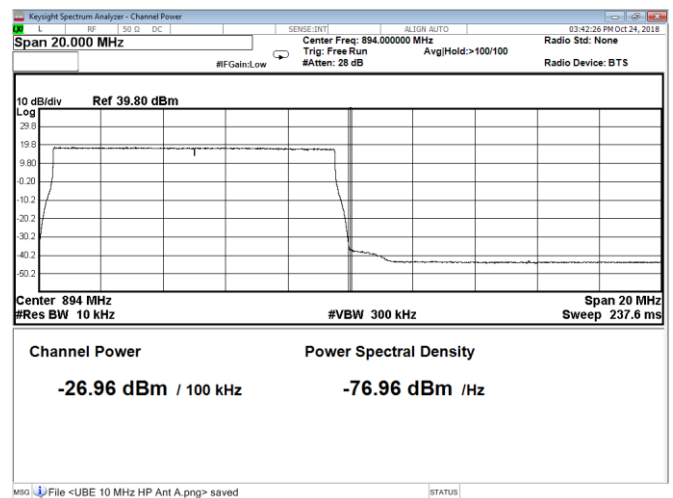


Figure 8.4-76: Conducted band edge emission at 894 MHz, 10 MHz channel with 60 W configuration at Port C

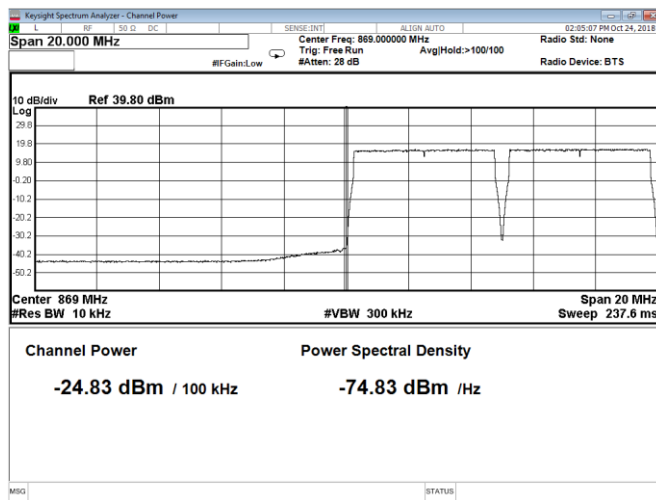


Figure 8.4-77: Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 40 W configuration at Port A

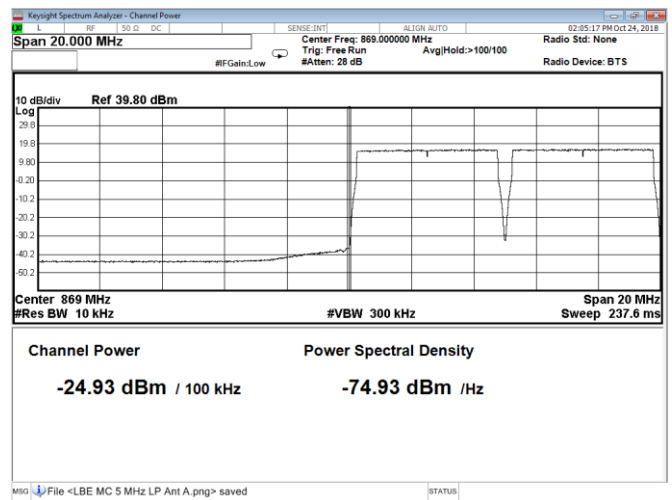


Figure 8.4-78: Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 40 W configuration at Port B

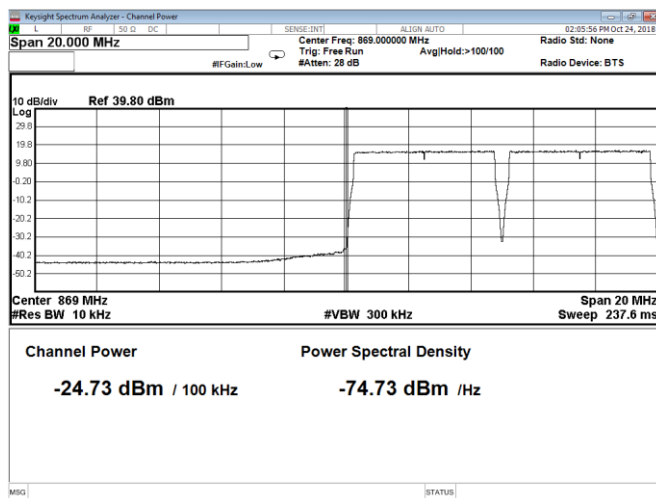


Figure 8.4-79: Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 40 W configuration at Port C

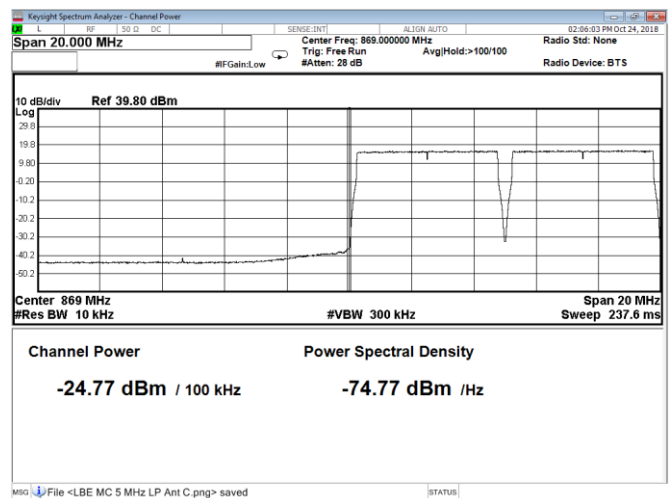


Figure 8.4-80: Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 40 W configuration at Port D

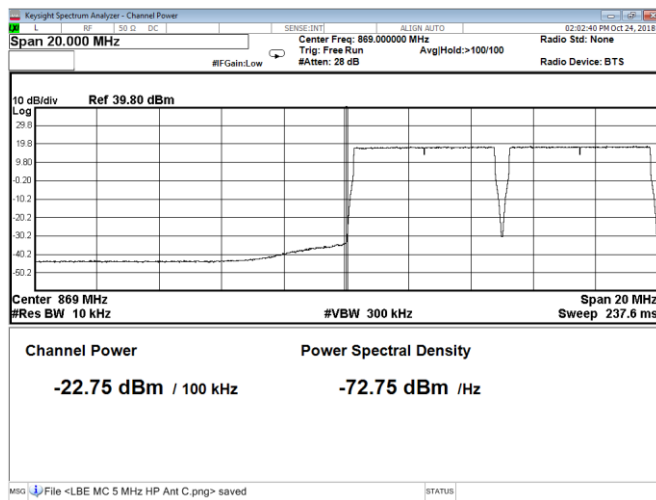


Figure 8.4-81: Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 60 W configuration at Port A

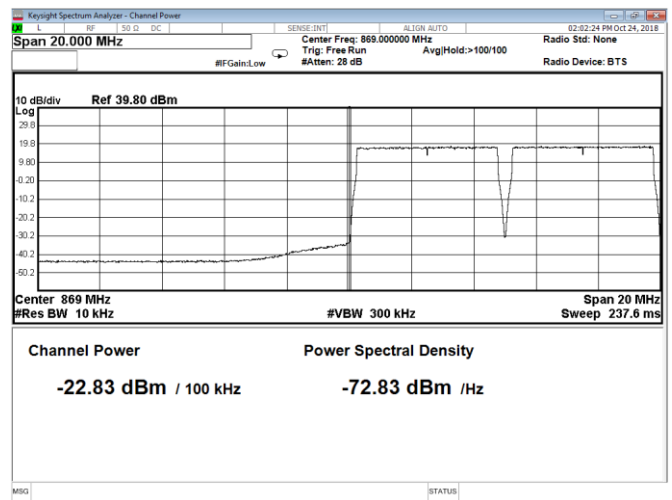


Figure 8.4-82: Conducted band edge emission at 869 MHz, MC 2×5 MHz channel with 60 W configuration at Port C

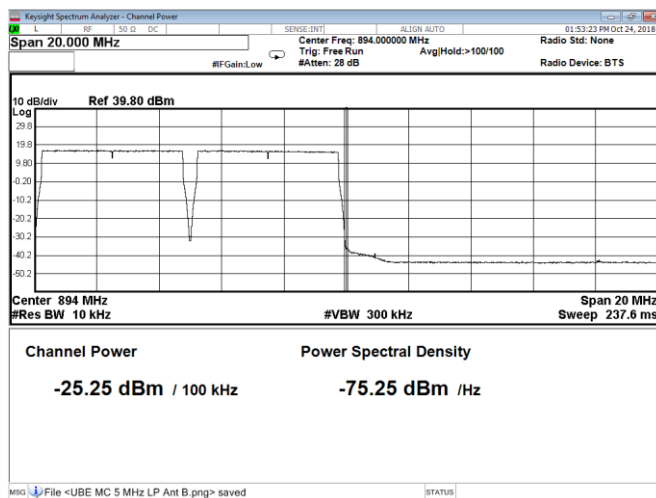


Figure 8.4-83: Conducted band edge emission at 894 MHz, MC 2×5 MHz channel with 40 W configuration at Port A

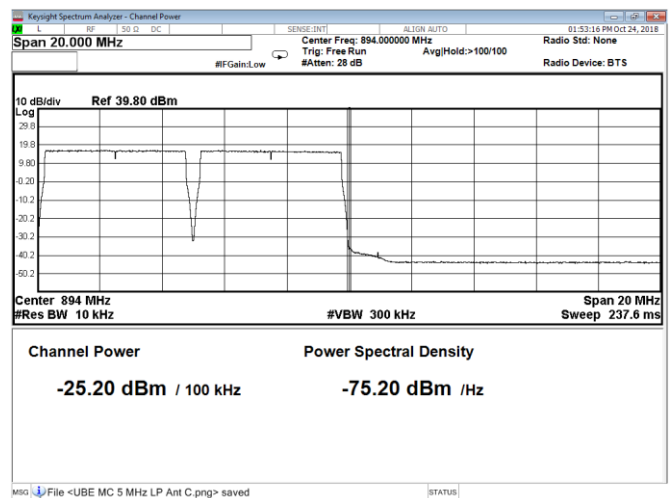


Figure 8.4-84: Conducted band edge emission at 894 MHz, MC 2×5 MHz channel with 40 W configuration at Port B

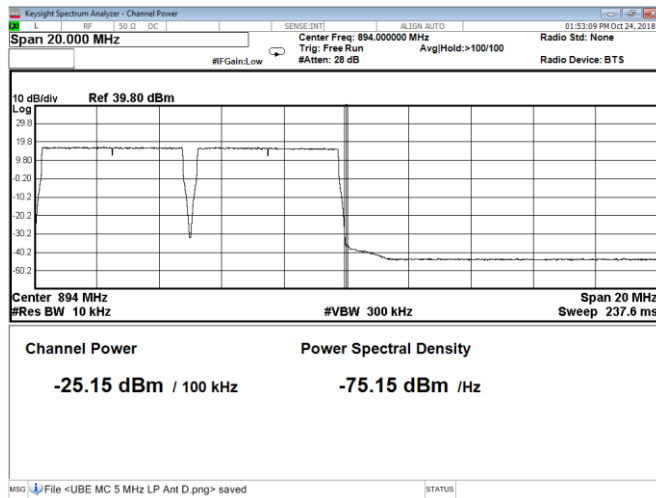


Figure 8.4-85: Conducted band edge emission at 894 MHz, MC 2x5 MHz channel with 40 W configuration at Port C

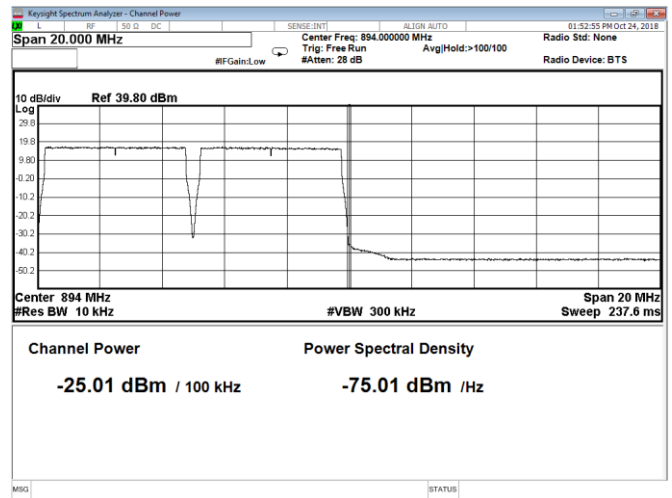


Figure 8.4-86: Conducted band edge emission at 894 MHz, MC 2x5 MHz channel with 40 W configuration at Port D

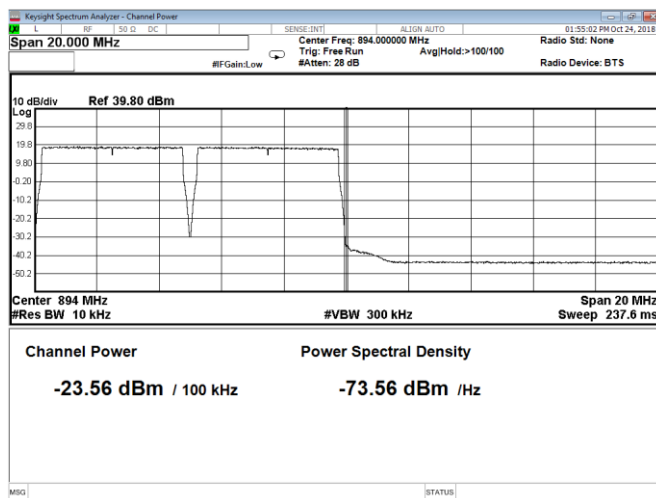


Figure 8.4-87: Conducted band edge emission at 894 MHz, MC 2x5 MHz channel with 60 W configuration at Port A

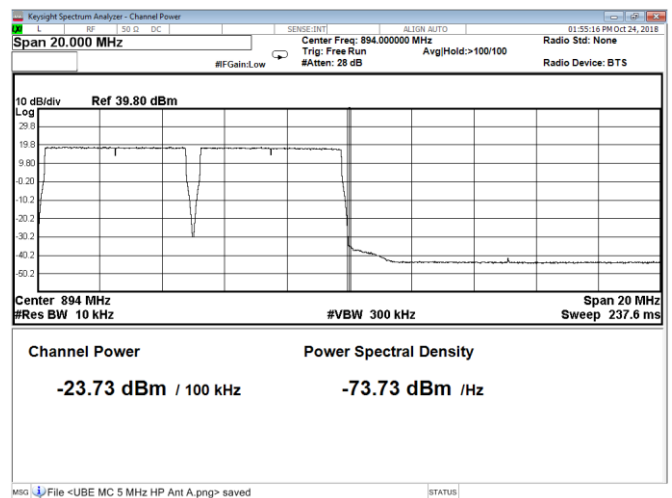


Figure 8.4-88: Conducted band edge emission at 894 MHz, MC 2x5 MHz channel with 60 W configuration at Port C

Section 8
Test name
Specification

Testing data
 Clause 22.917(a) and RSS-132 5.5 Spurious emissions at RF antenna connector (B5)
 FCC Part 22 and RSS-132

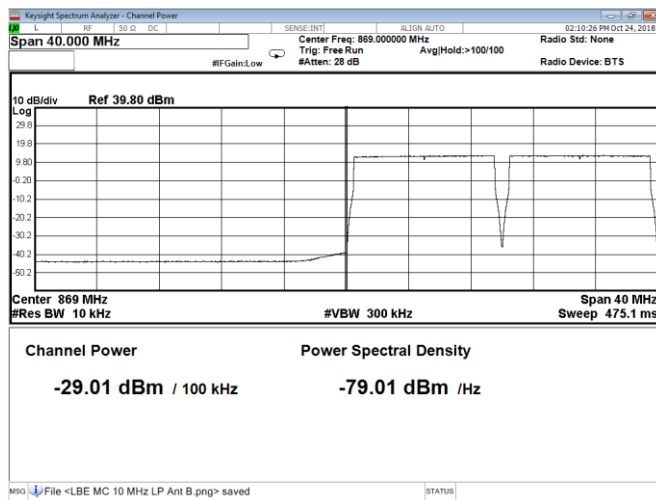


Figure 8.4-89: Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 40 W configuration at Port A

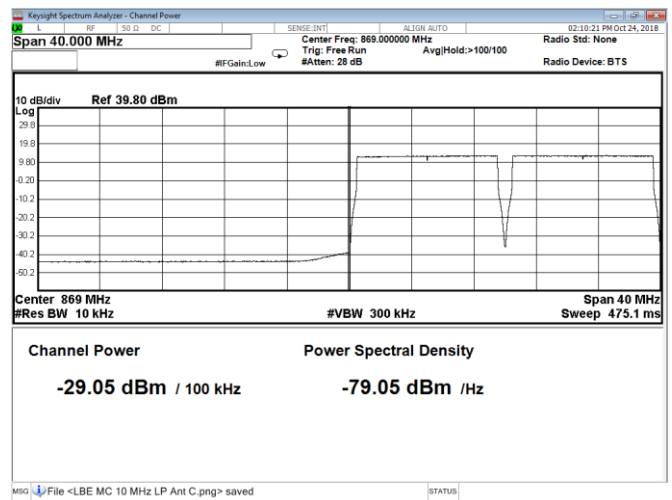


Figure 8.4-90: Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 40 W configuration at Port B

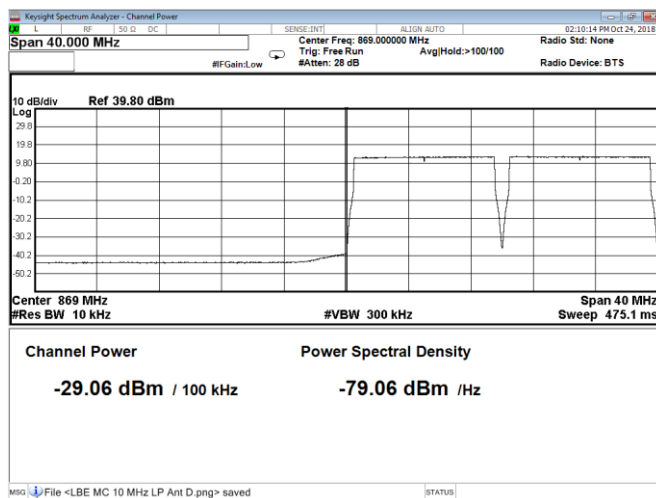


Figure 8.4-91: Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 40 W configuration at Port C

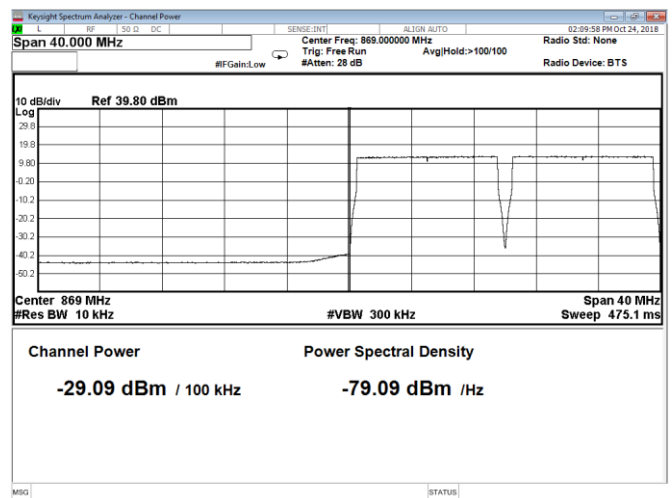


Figure 8.4-92: Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 40 W configuration at Port D

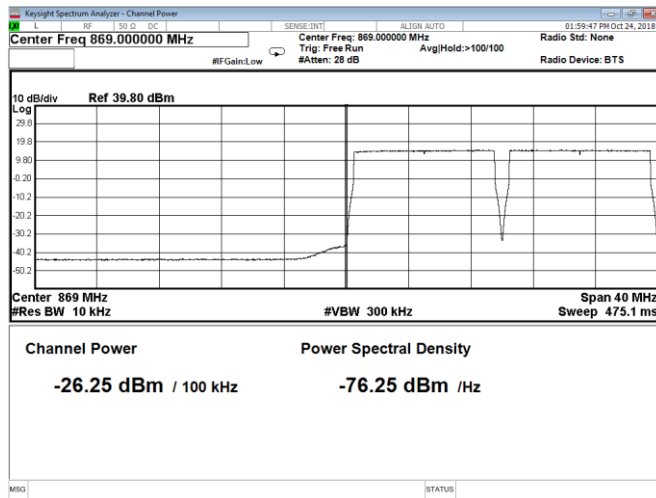


Figure 8.4-93: Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 60 W configuration at Port A

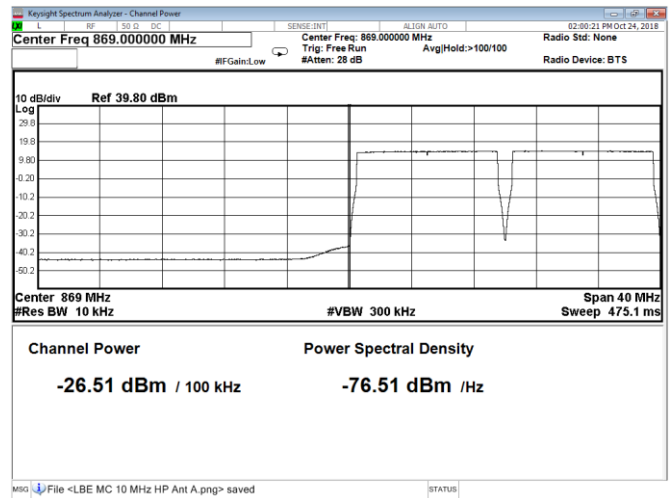


Figure 8.4-94: Conducted band edge emission at 869 MHz, MC 2×10 MHz channel with 60 W configuration at Port C

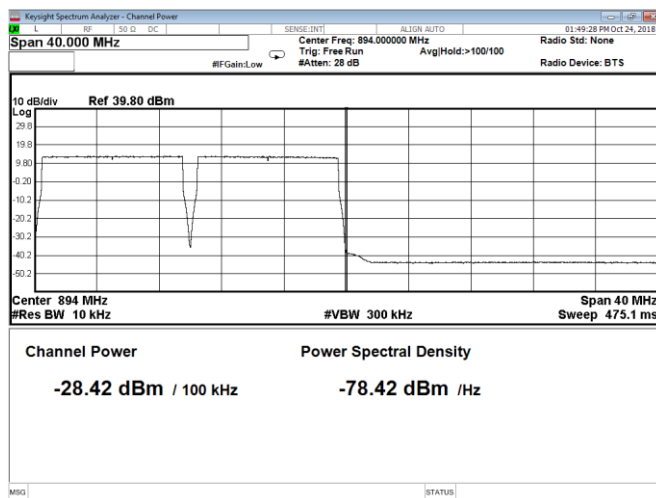


Figure 8.4-95: Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 40 W configuration at Port A

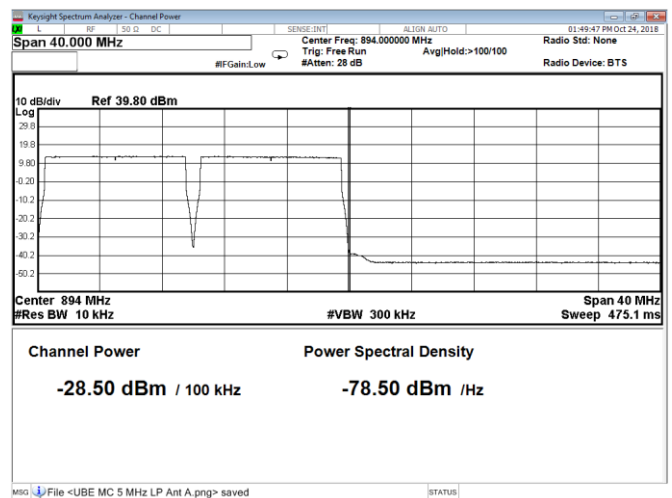


Figure 8.4-96: Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 40 W configuration at Port B

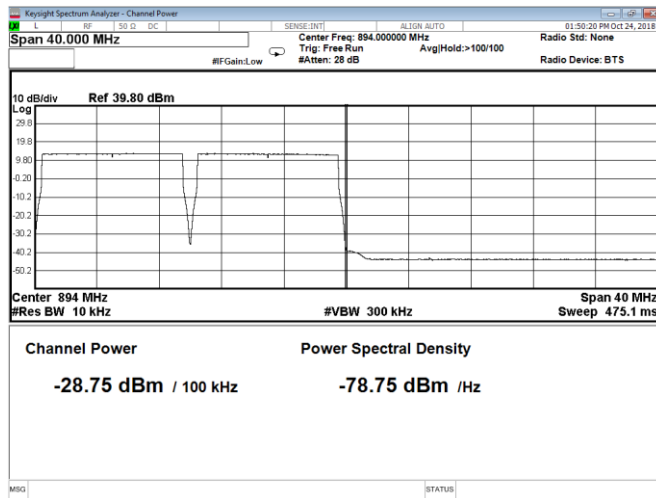


Figure 8.4-97: Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 40 W configuration at Port C

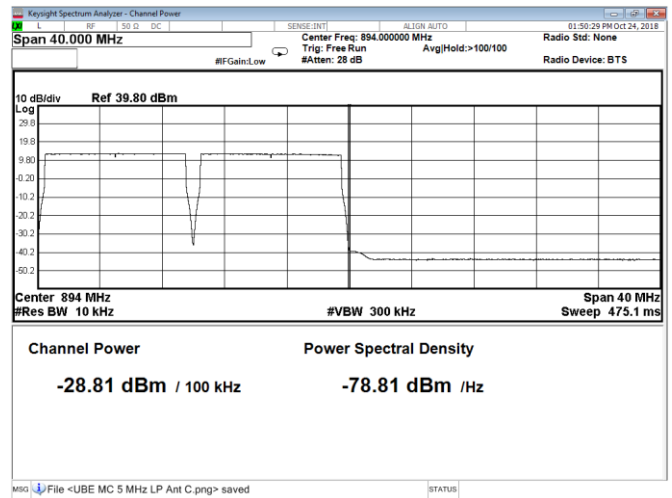


Figure 8.4-98: Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 40 W configuration at Port D

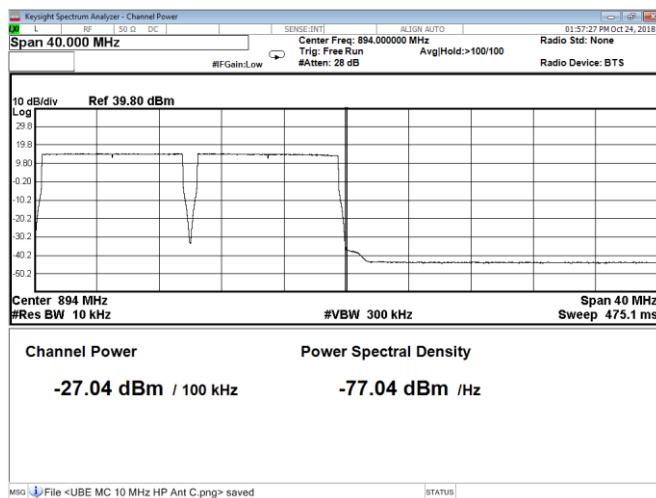


Figure 8.4-99: Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 60 W configuration at Port A

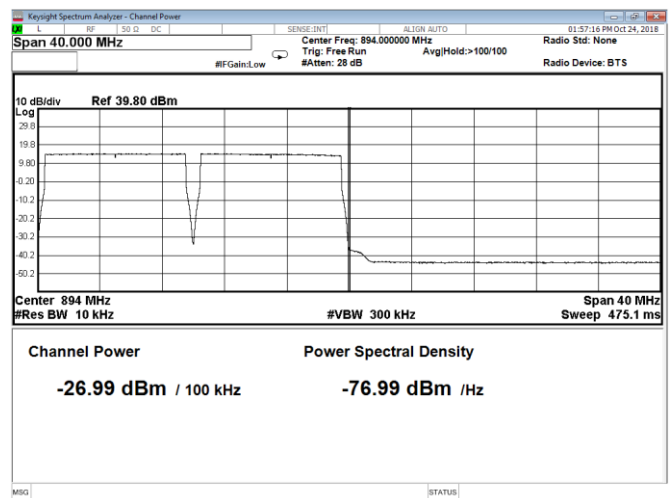


Figure 8.4-100: Conducted band edge emission at 894 MHz, MC 2×10 MHz channel with 60 W configuration at Port C

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
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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 4x4 application limit lines were adjusted by 6 dB¹ to -19 dBm

For compensation of 60 W MIMO 2x2 application limit lines were adjusted by 3 dB² to -16 dBm

$$^1 10 \times \log_{10}(4) = -6 \text{ dB}$$

$$^2 10 \times \log_{10}(2) = -3 \text{ dB}$$

8.5.4 Test data

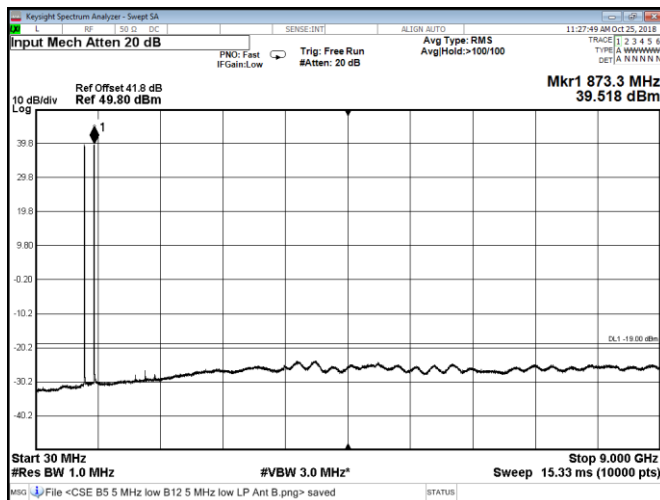


Figure 8.5-1: Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz low channel with 40 W configuration at Port A

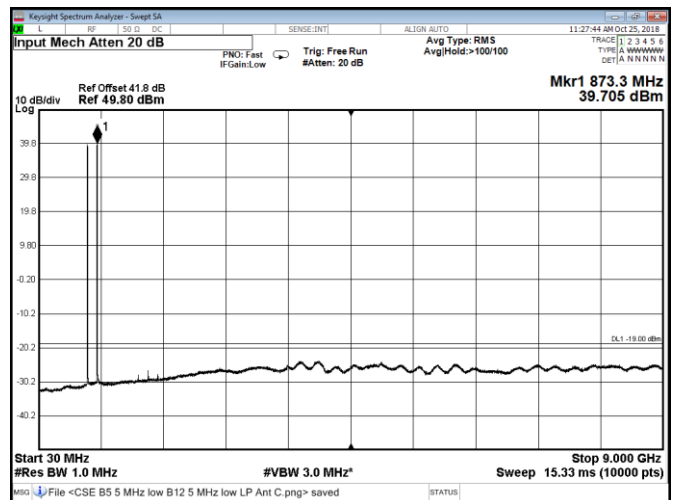


Figure 8.5-2: Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz low channel with 40 W configuration at Port B

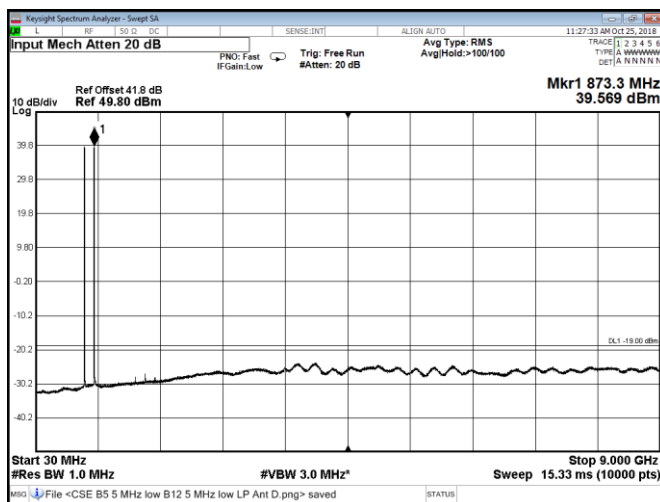


Figure 8.5-3: Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz low channel with 40 W configuration at Port C

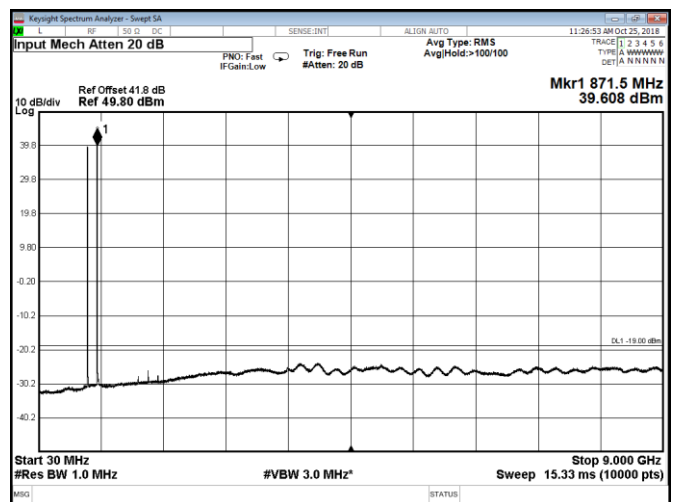


Figure 8.5-4: Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz low channel with 40 W configuration at Port D

Section 8
Test name
Specification

Testing data
 Spurious emissions at RF antenna connector (multi band B5 and B12A)
 FCC Parts 22 and 27, RSS-130 and RSS-132

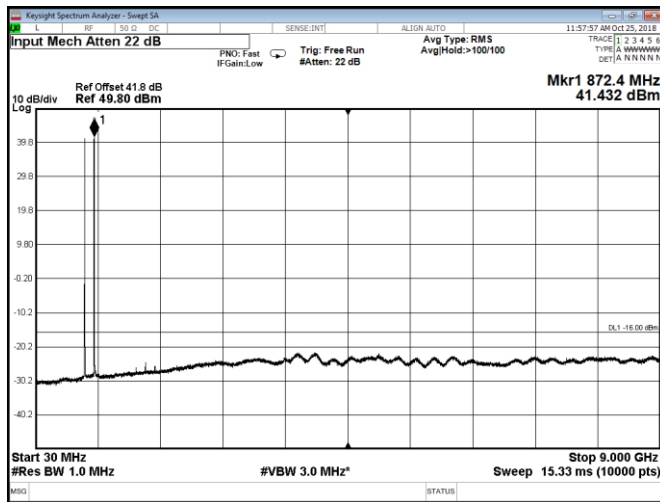


Figure 8.5-5: Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz mid channel with 60 W configuration at Port A

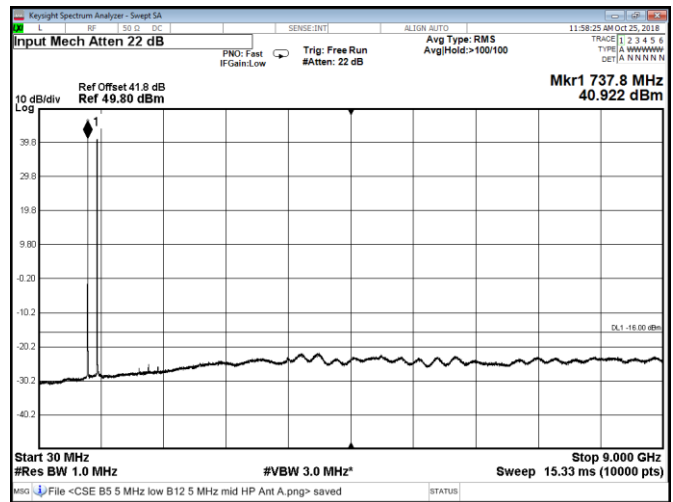


Figure 8.5-6: Conducted spurious emissions for multi band B5 5 MHz low channel, B12A 5 MHz mid channel with 40 W configuration at Port C

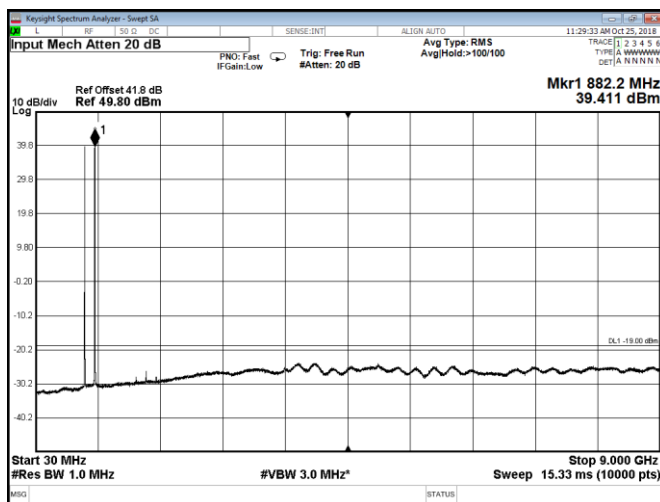


Figure 8.5-7: Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 40 W configuration at Port A

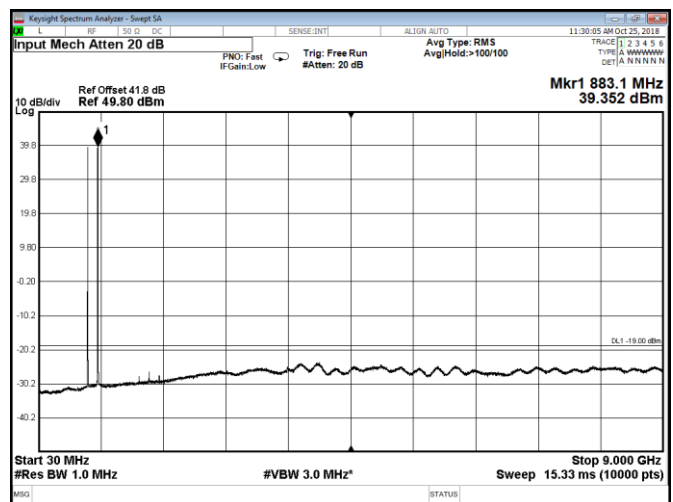


Figure 8.5-8: Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 40 W configuration at Port B

Section 8
Test name
Specification

Testing data
 Spurious emissions at RF antenna connector (multi band B5 and B12A)
 FCC Parts 22 and 27, RSS-130 and RSS-132

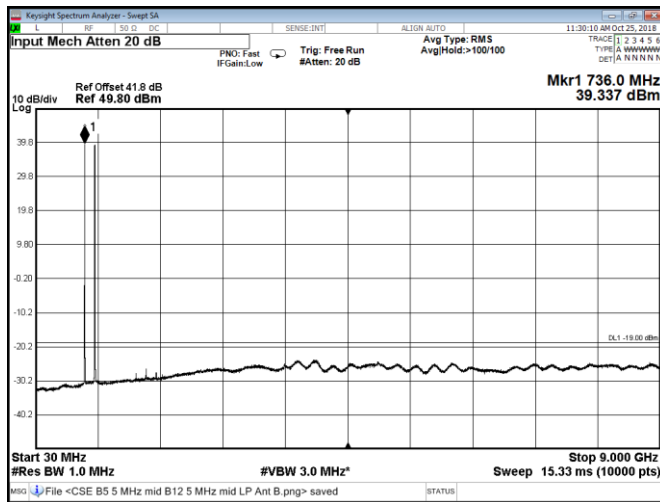


Figure 8.5-9: Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 40 W configuration at Port C

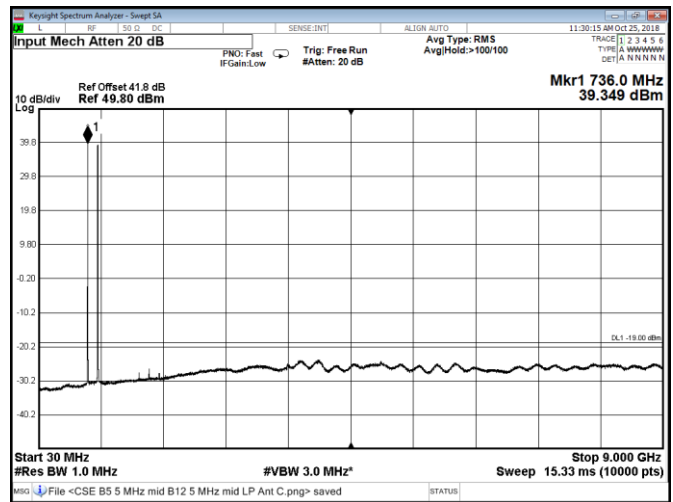


Figure 8.5-10: Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 40 W configuration at Port D

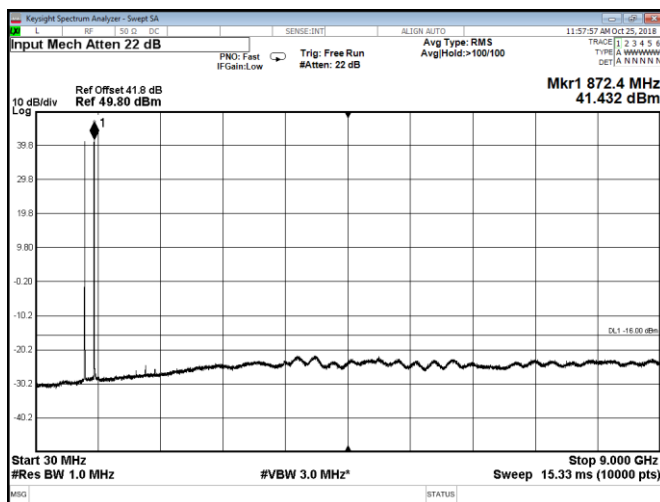


Figure 8.5-11: Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 60 W configuration at Port A

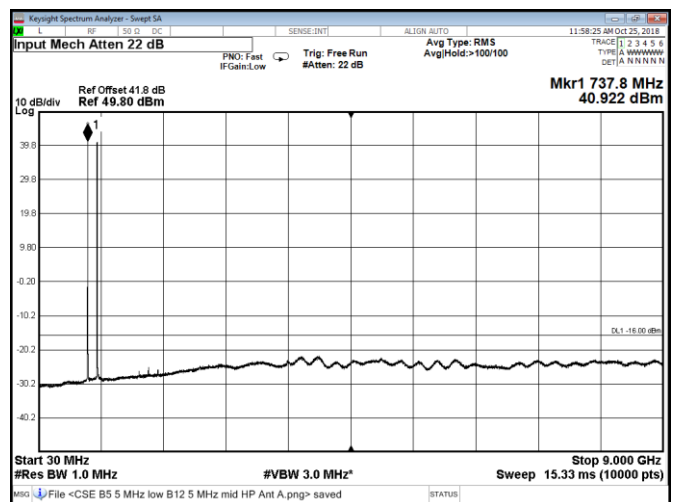


Figure 8.5-12: Conducted spurious emissions for multi band B5 5 MHz mid channel, B12A 5 MHz mid channel with 60 W configuration at Port C

Section 8
Test name
Specification

Testing data
 Spurious emissions at RF antenna connector (multi band B5 and B12A)
 FCC Parts 22 and 27, RSS-130 and RSS-132

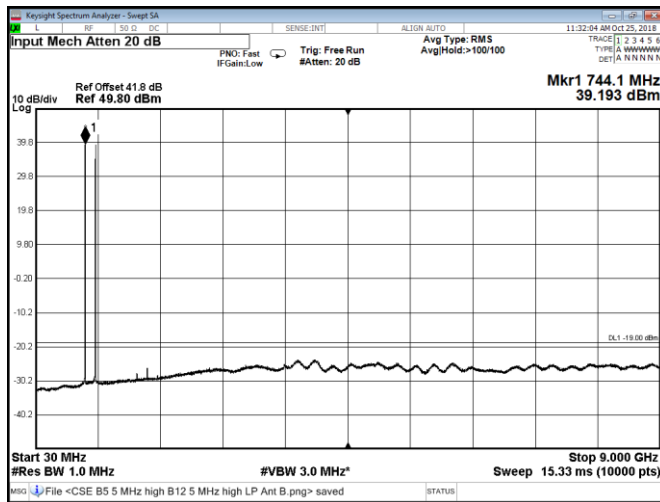


Figure 8.5-13: Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 40 W configuration at Port A

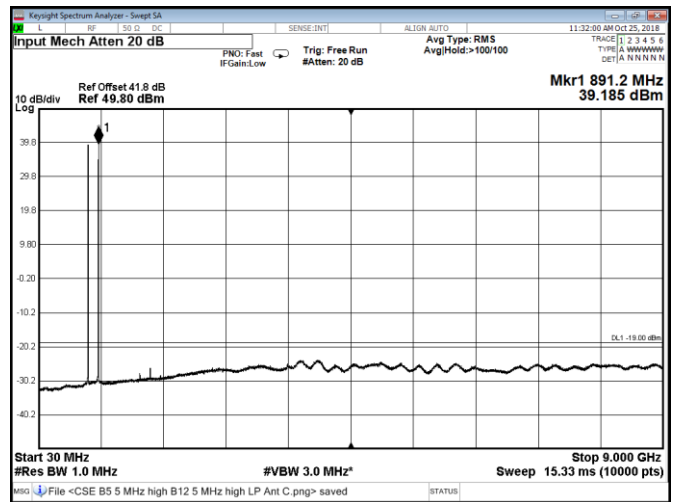


Figure 8.5-14: Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 40 W configuration at Port B

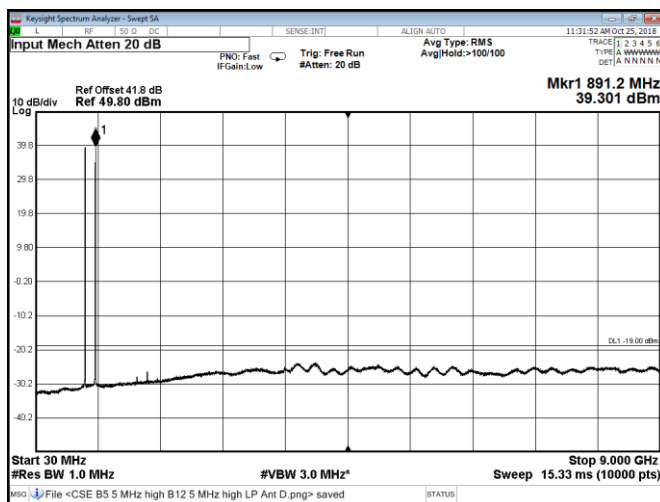


Figure 8.5-15: Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 40 W configuration at Port C

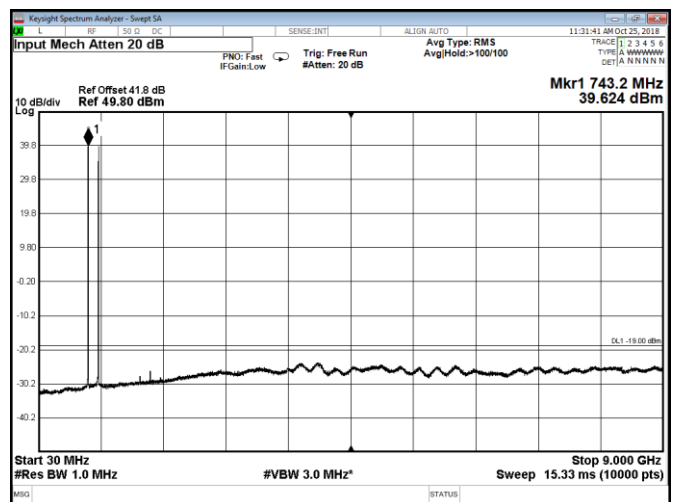


Figure 8.5-16: Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 40 W configuration at Port D

Section 8
Test name
Specification

Testing data
 Spurious emissions at RF antenna connector (multi band B5 and B12A)
 FCC Parts 22 and 27, RSS-130 and RSS-132

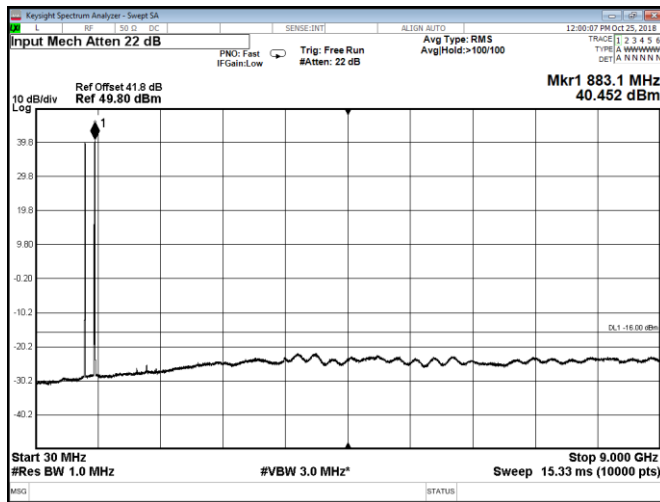


Figure 8.5-17: Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 60 W configuration at Port A

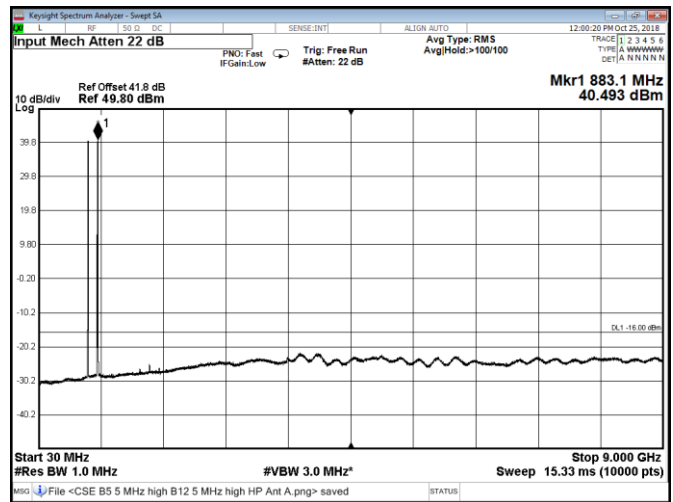


Figure 8.5-18: Conducted spurious emissions for multi band B5 5 MHz high channel, B12A 5 MHz high channel with 60 W configuration at Port C

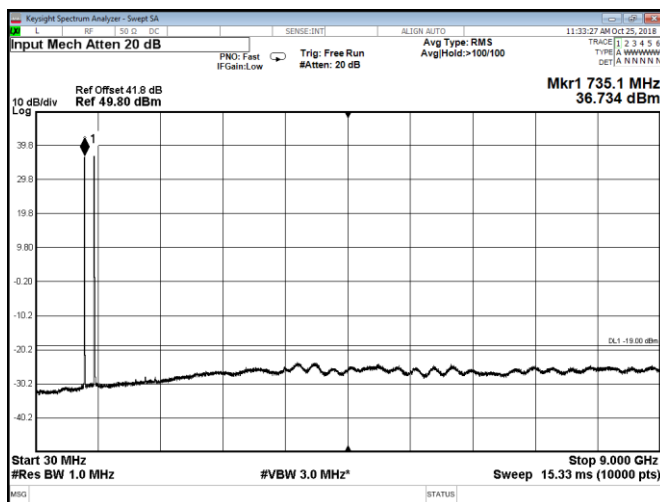


Figure 8.5-19: Conducted spurious emissions for multi band B5 10 MHz low channel, B12A 10 MHz low channel with 40 W configuration at Port A

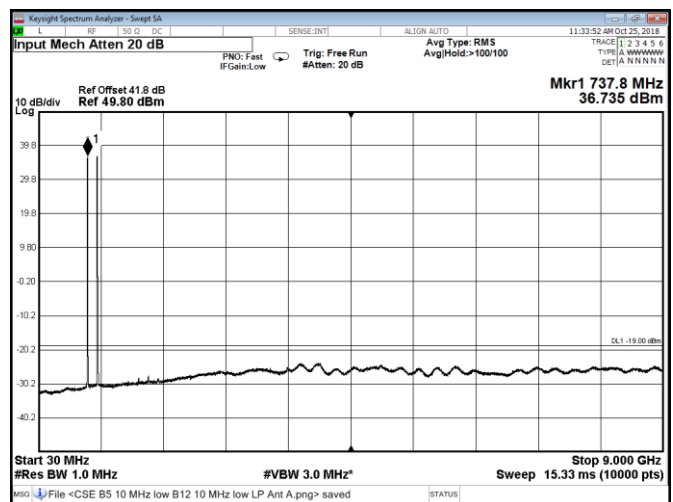


Figure 8.5-20: Conducted spurious emissions for multi band B5 10 MHz low channel, B12A 10 MHz low channel with 40 W configuration at Port B