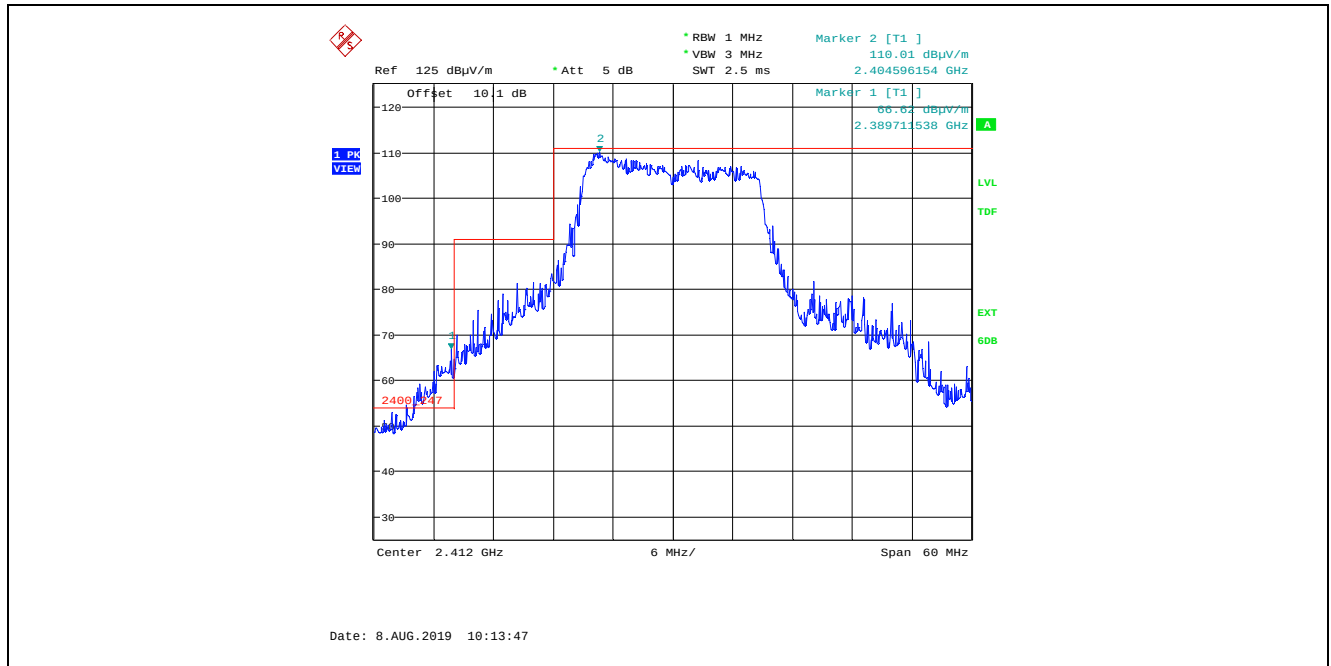
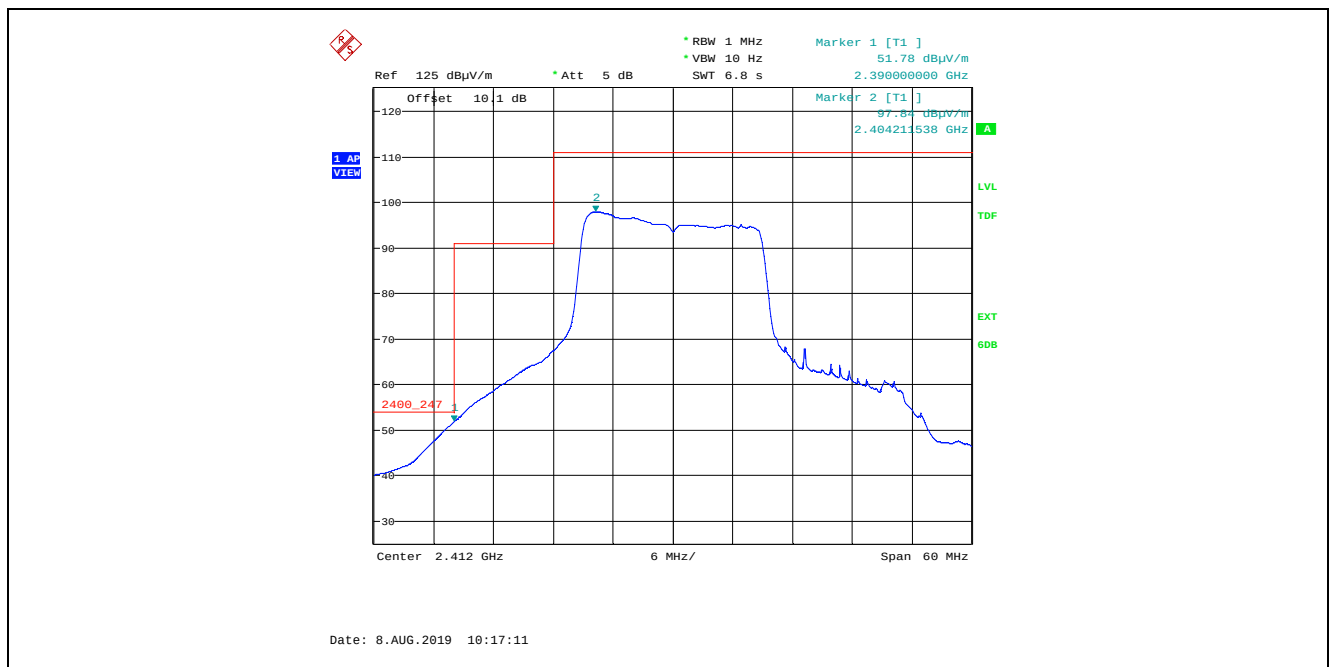


5.4.4.2.4. Band-Edge RF Radiated Emissions for 802.11n HT20, 800 ns

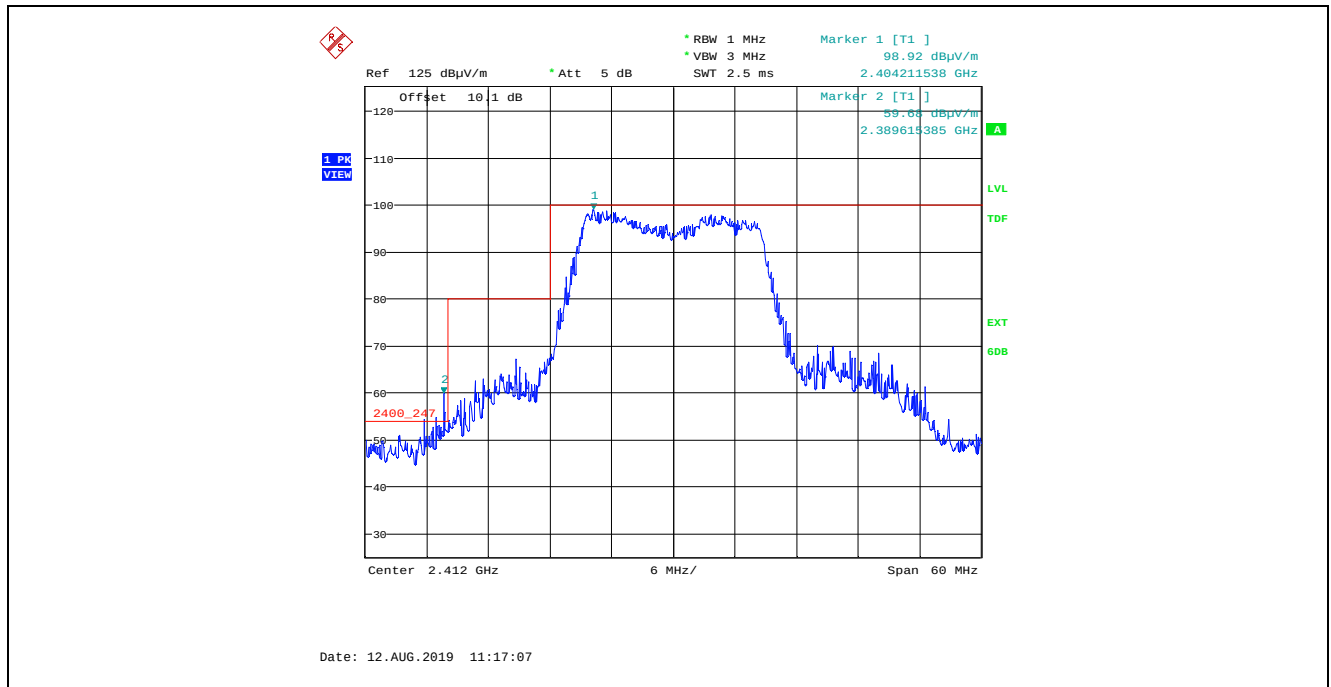
Plot 5.4.4.2.4.1. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 19, Channel 1, 2412 MHz



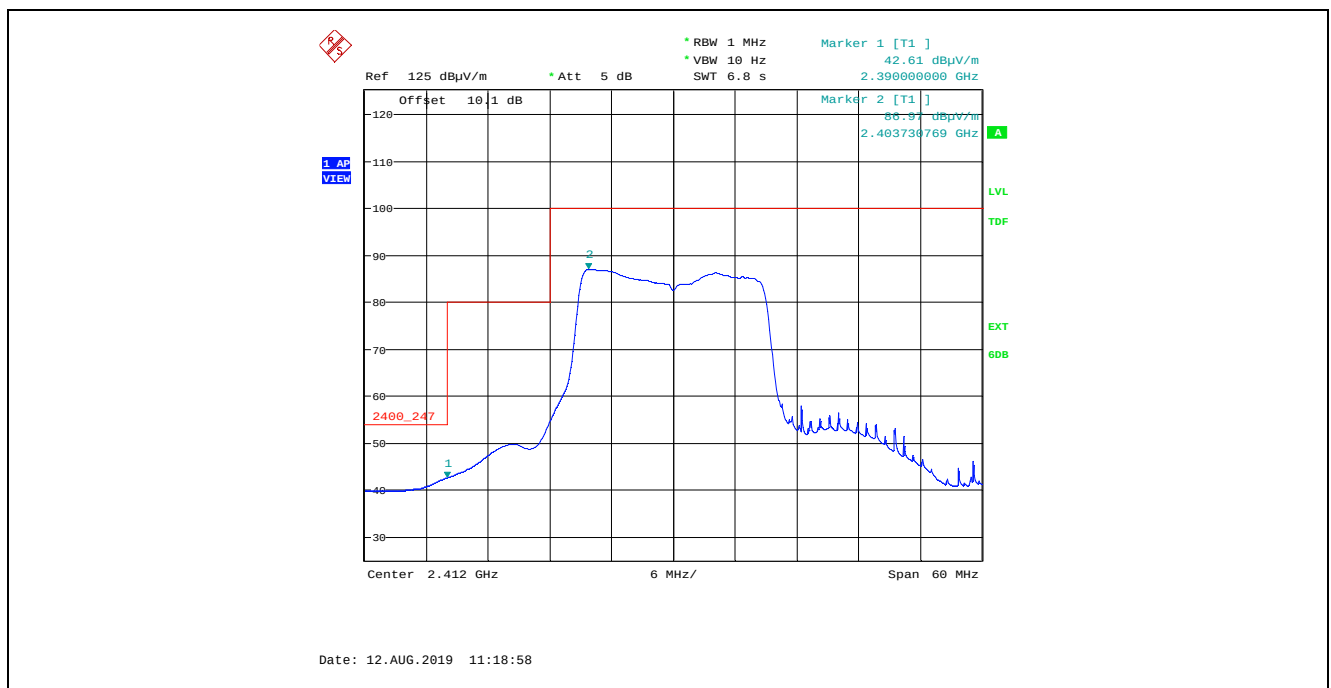
Plot 5.4.4.2.4.2. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11N HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 19, Channel 1, 2412 MHz



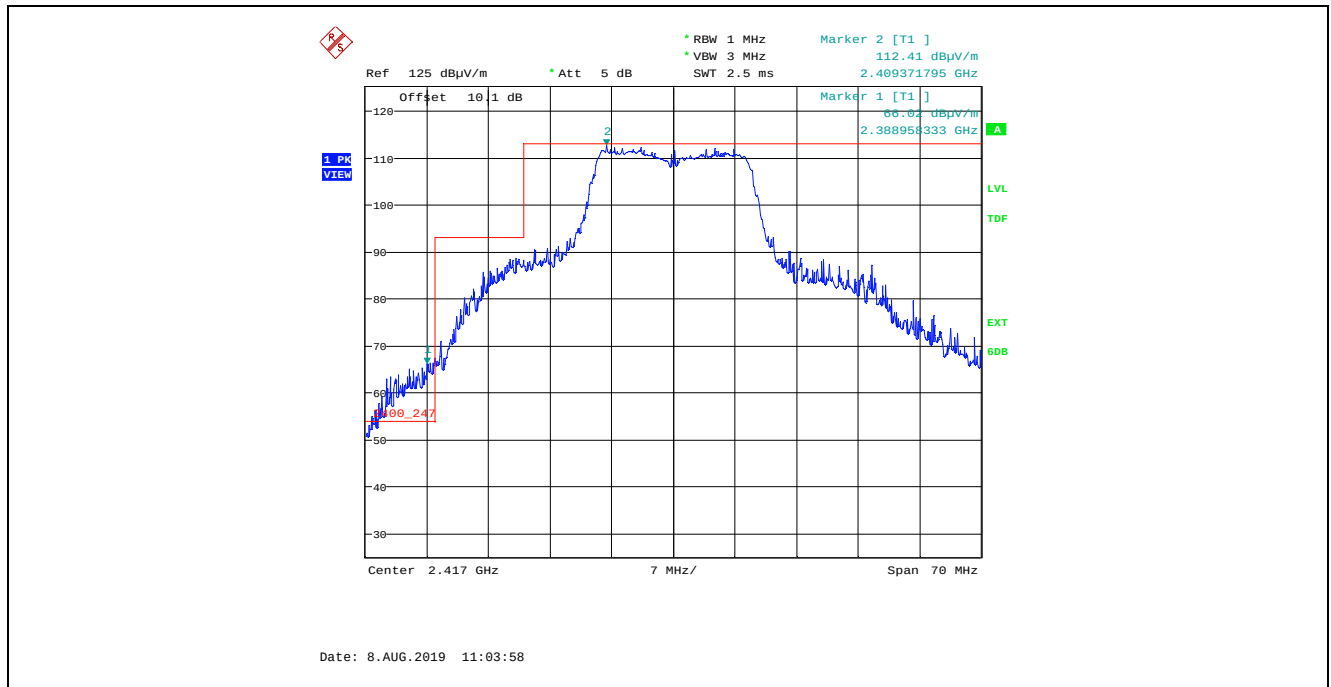
Plot 5.4.4.2.4.3. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 19, Channel 1, 2412 MHz



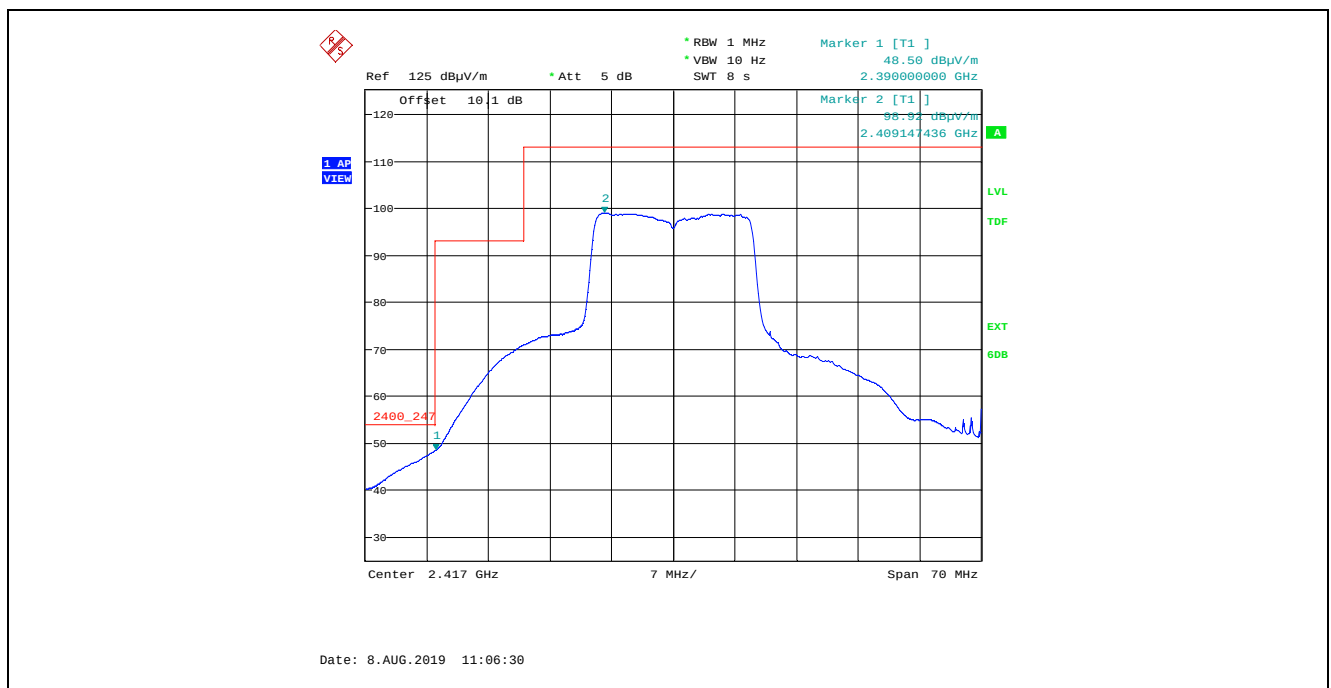
Plot 5.4.4.2.4.4. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 19, Channel 1, 2412 MHz



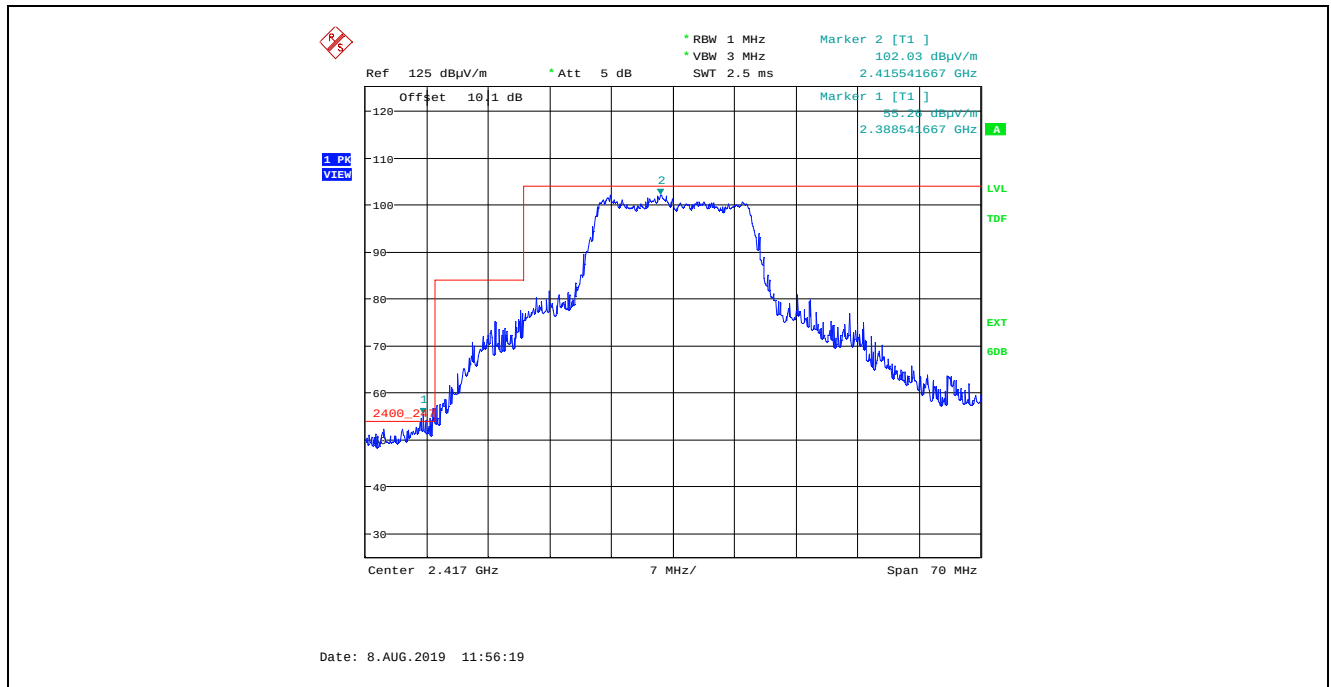
Plot 5.4.4.2.4.5. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 24 Channel 2, 2417 MHz



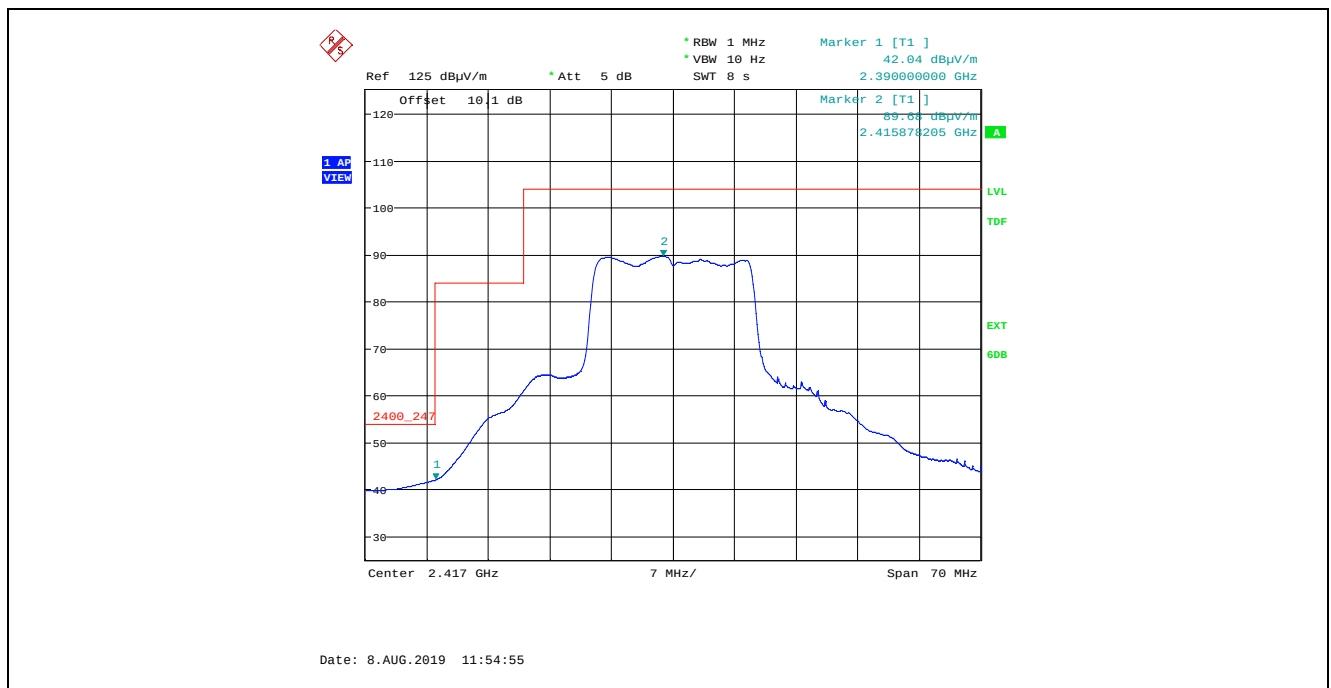
Plot 5.4.4.2.4.6. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 24 Channel 2, 2417 MHz



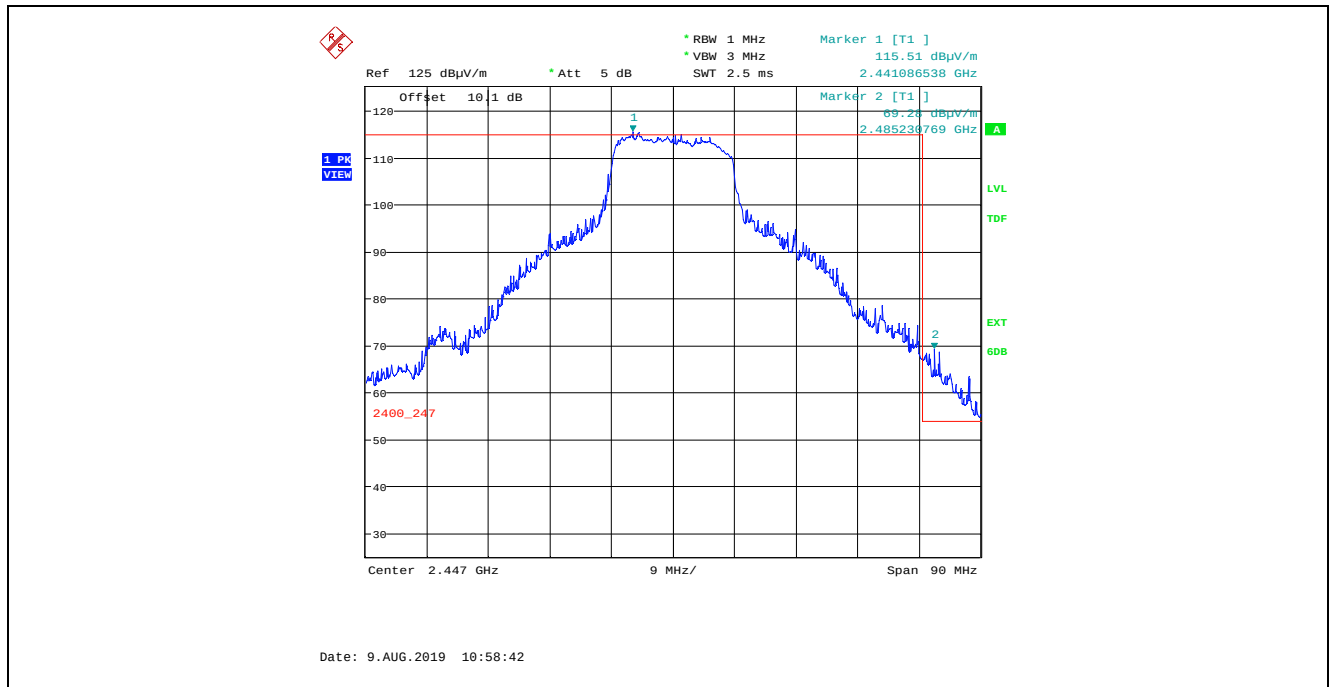
Plot 5.4.4.2.4.7. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 24 Channel 2, 2417 MHz



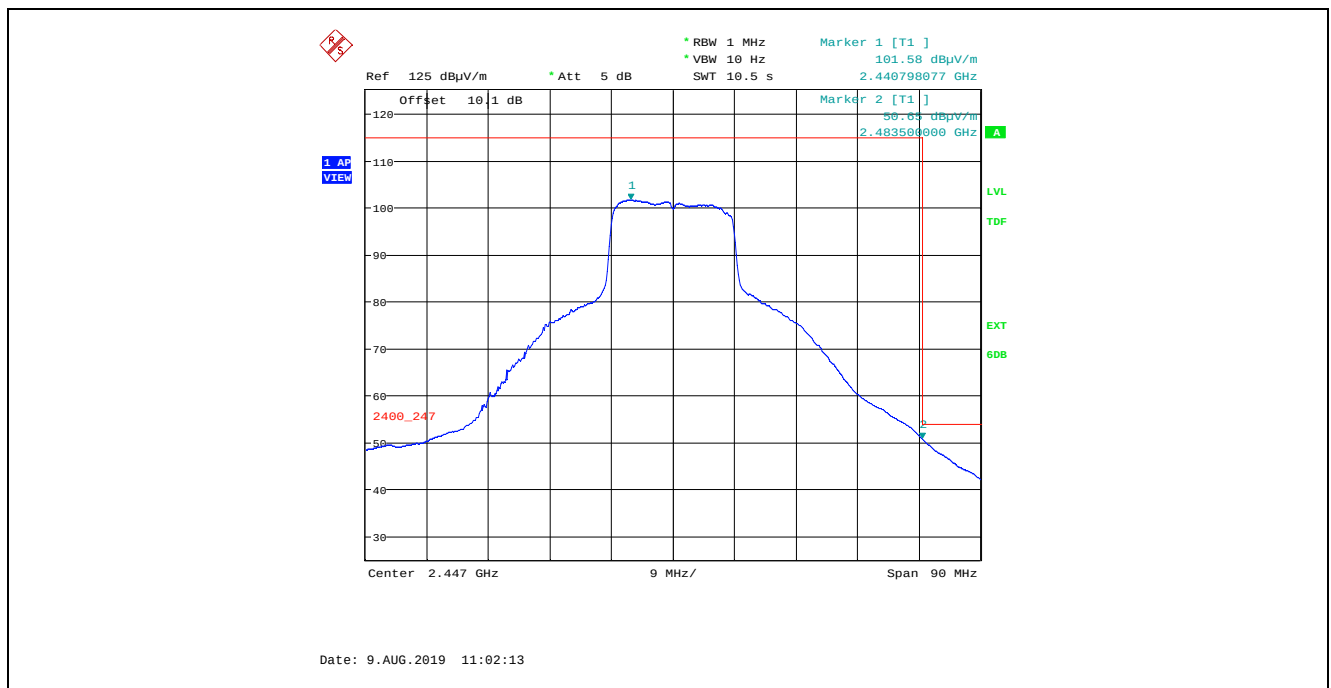
Plot 5.4.4.2.4.8. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 24 Channel 2, 2417 MHz



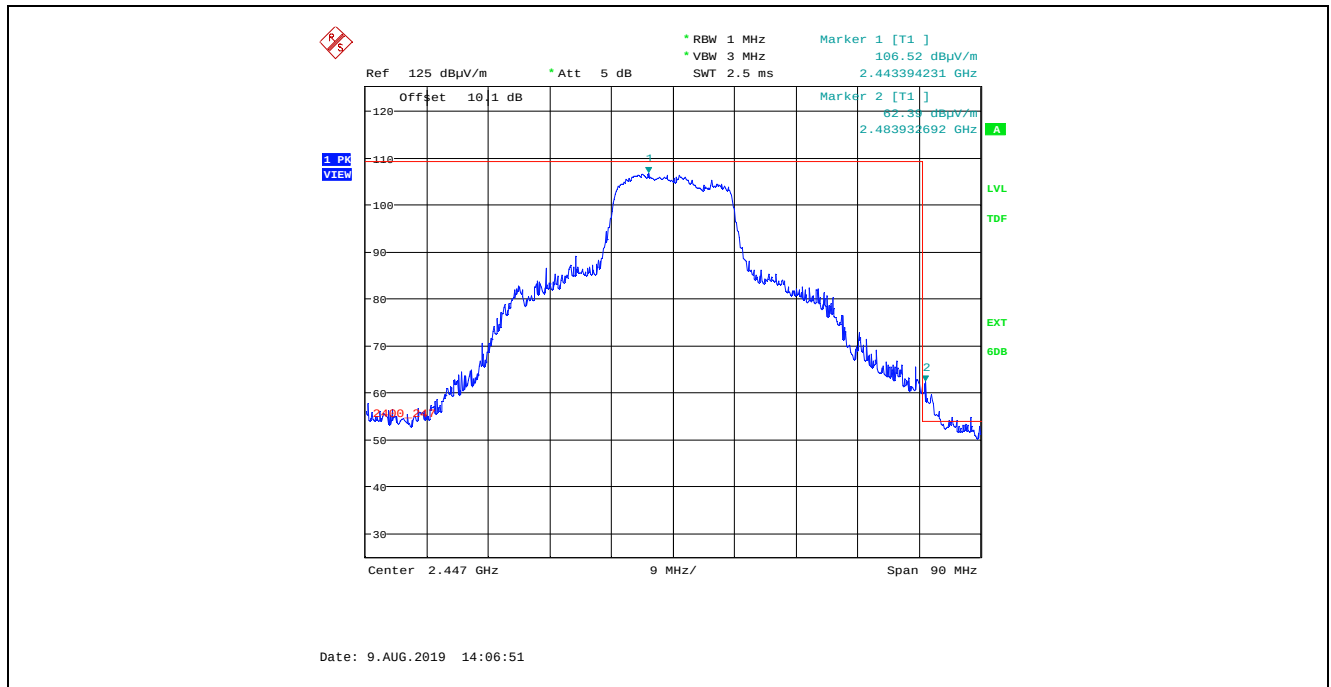
Plot 5.4.4.2.4.9. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 24, Channel 8, 2447 MHz



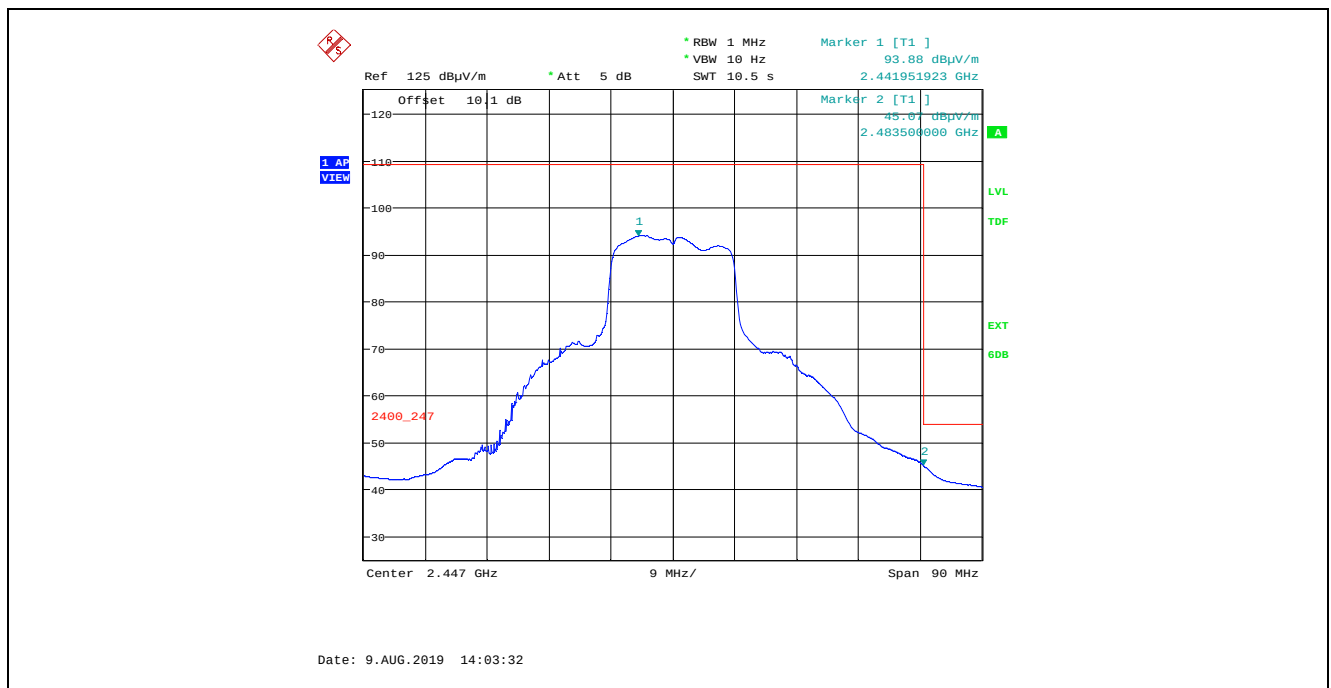
Plot 5.4.4.2.4.10. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 24, Channel 8, 2447 MHz



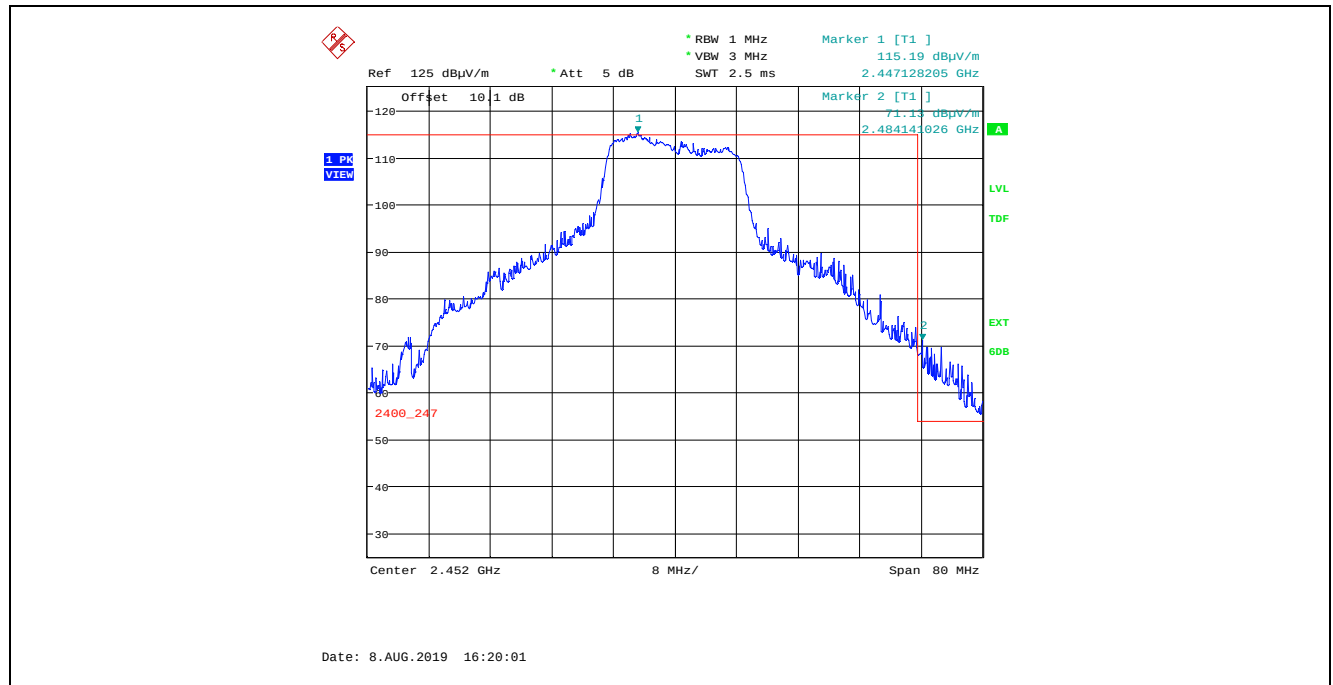
Plot 5.4.4.2.4.11. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 24, Channel 8, 2447 MHz



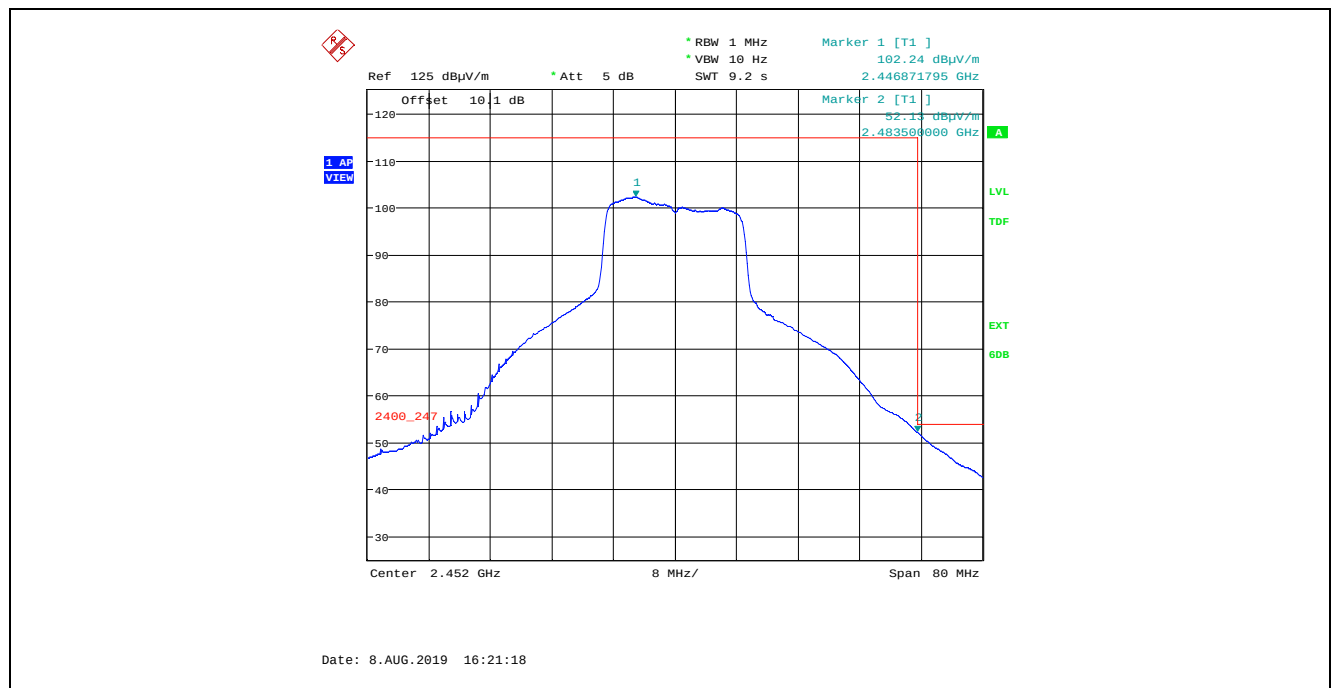
Plot 5.4.4.2.4.12. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 24, Channel 8, 2447 MHz



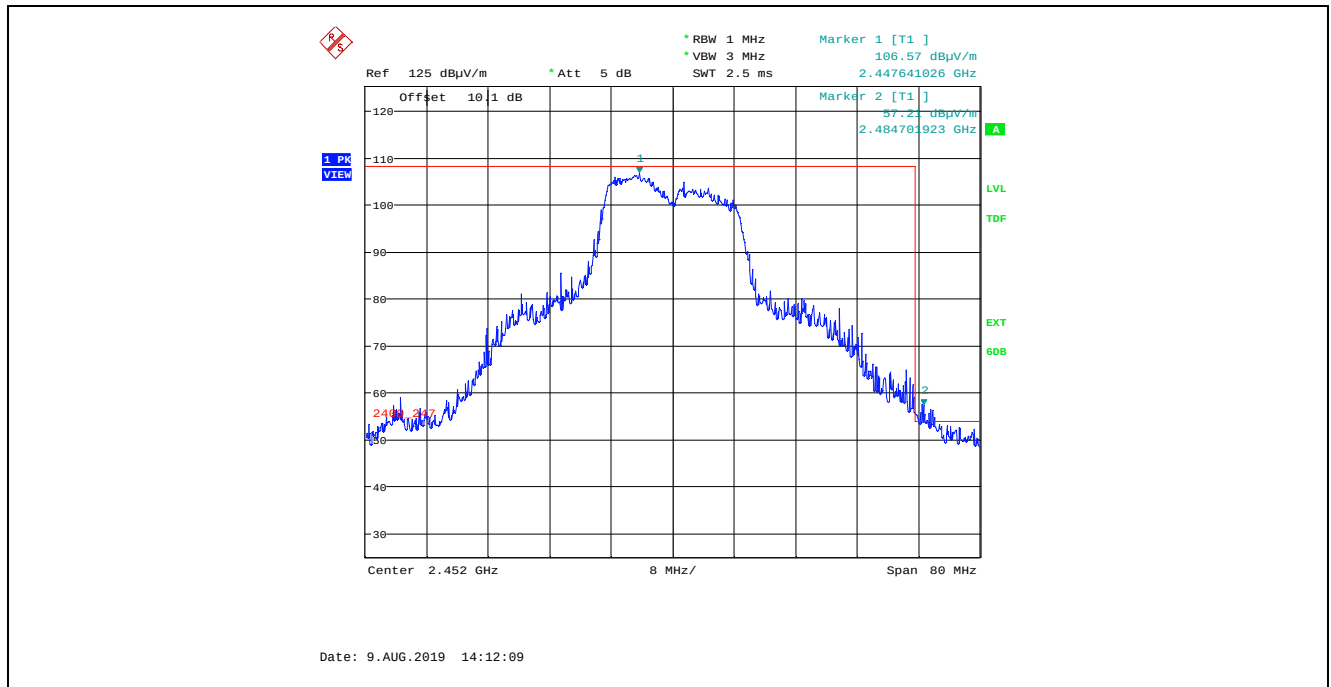
Plot 5.4.4.2.4.13. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 21, Channel 9, 2452 MHz



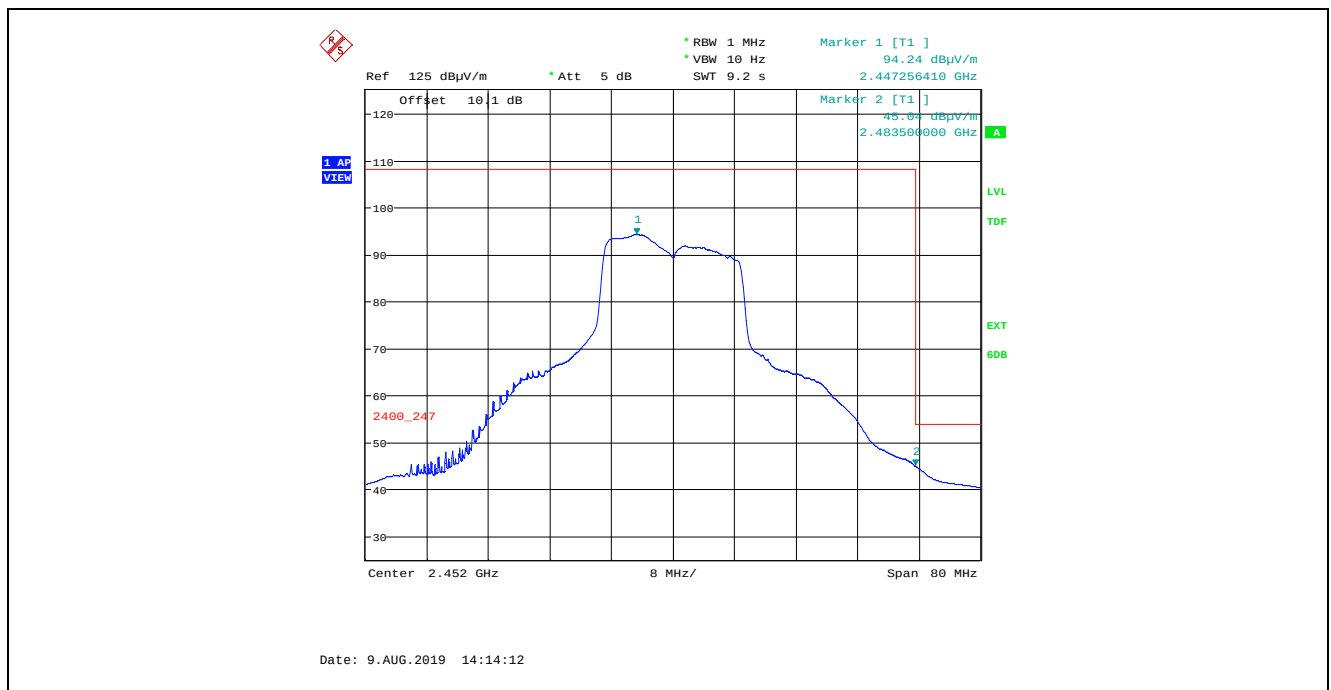
Plot 5.4.4.2.4.14. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 21, Channel 9, 2452 MHz



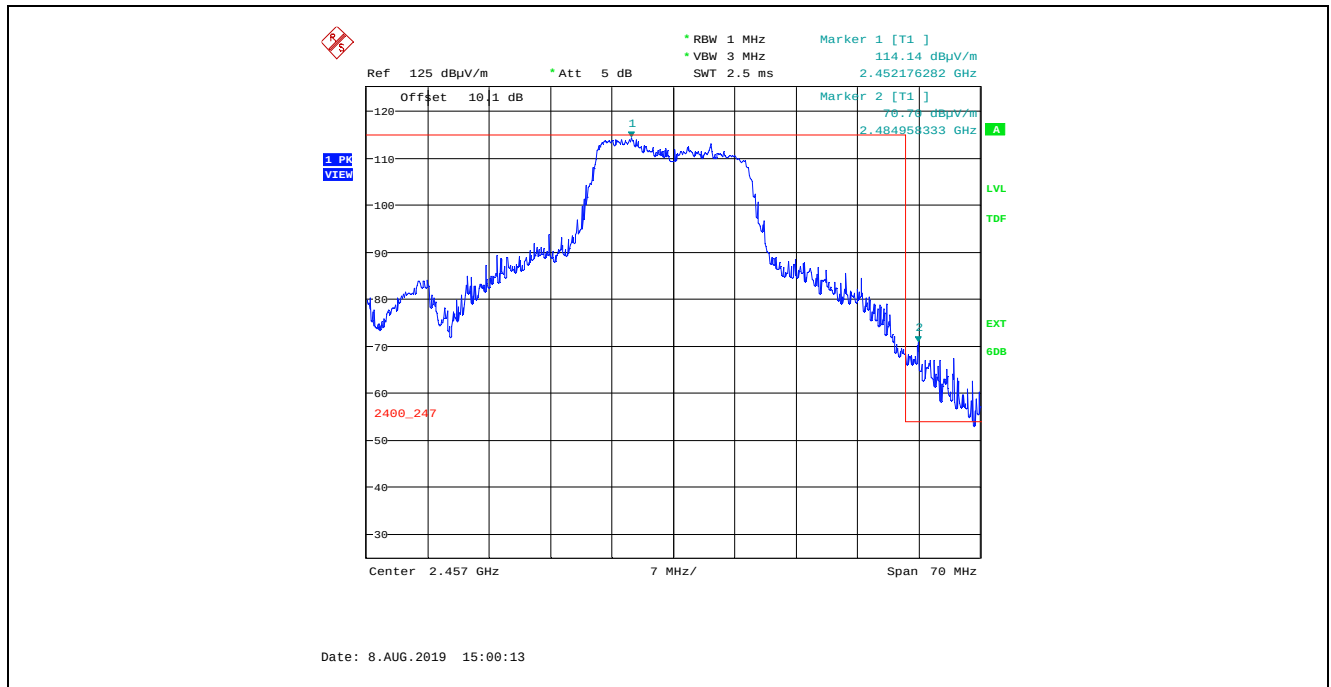
Plot 5.4.4.2.4.15. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 21, Channel 9, 2452 MHz



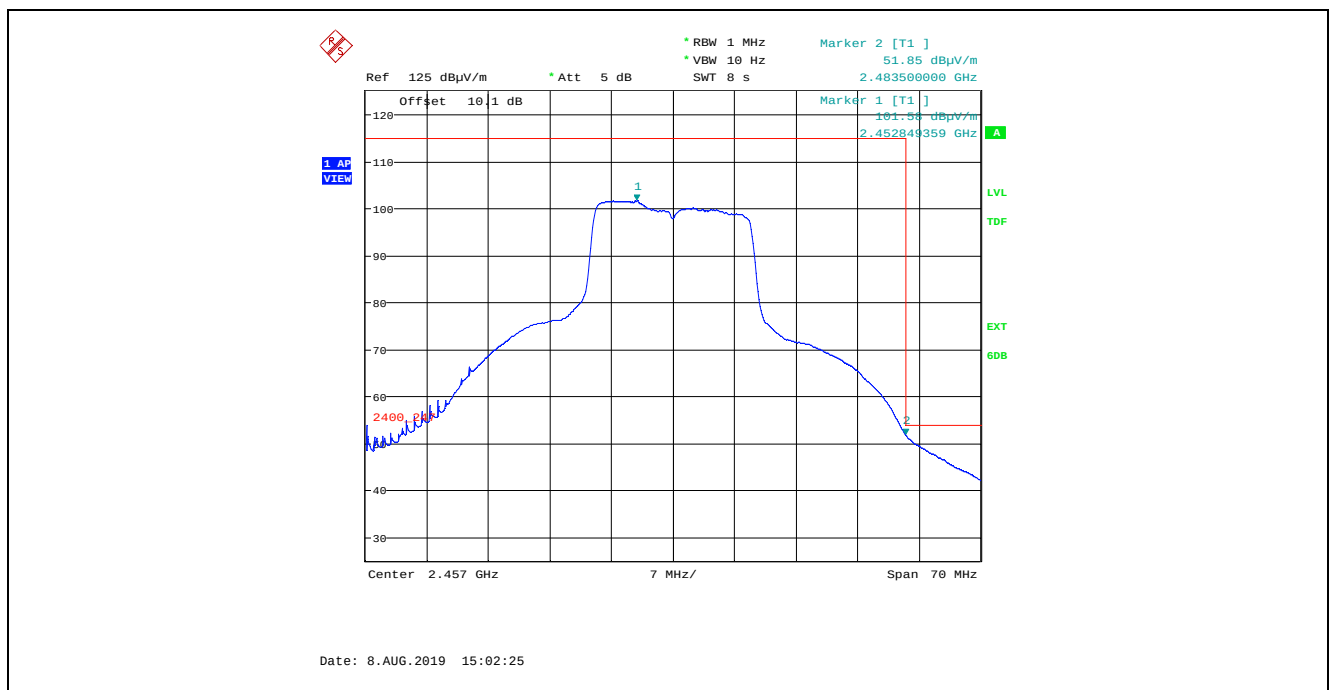
Plot 5.4.4.2.4.16. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 21, Channel 9, 2452 MHz



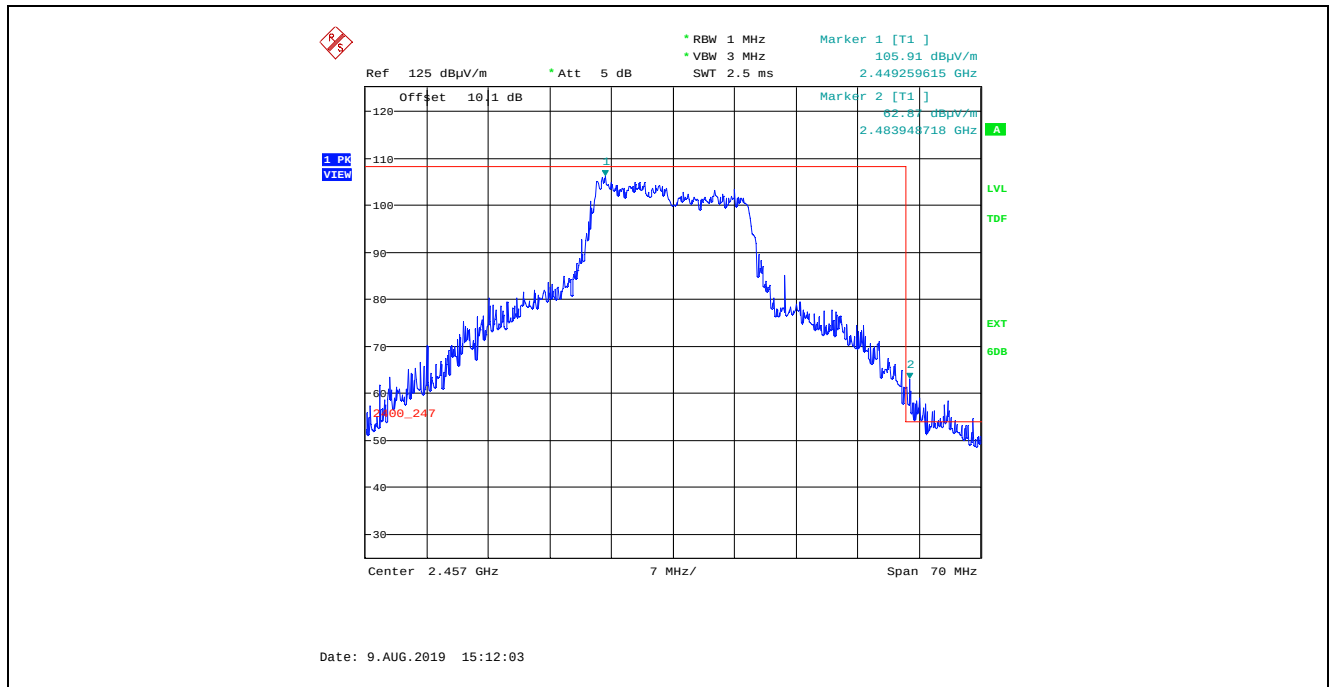
Plot 5.4.4.2.4.17. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 21, Channel 10, 2457 MHz



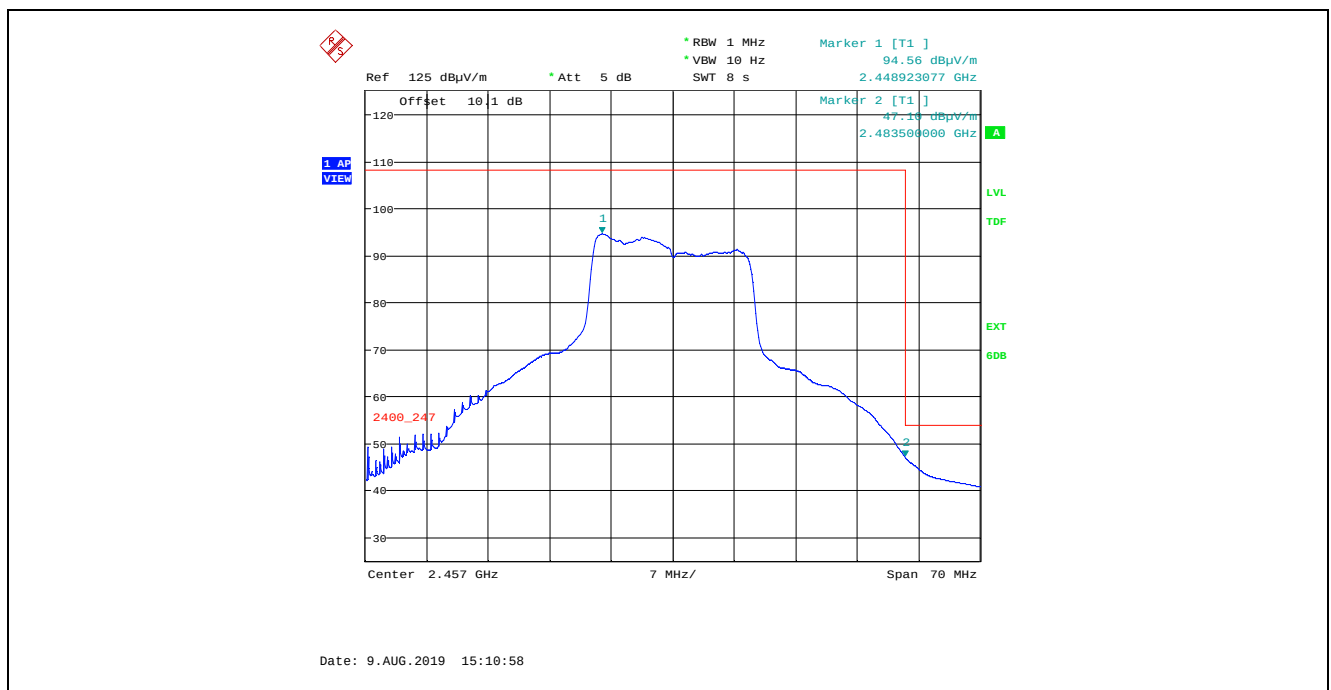
Plot 5.4.4.2.4.18. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 21, Channel 10, 2457 MHz



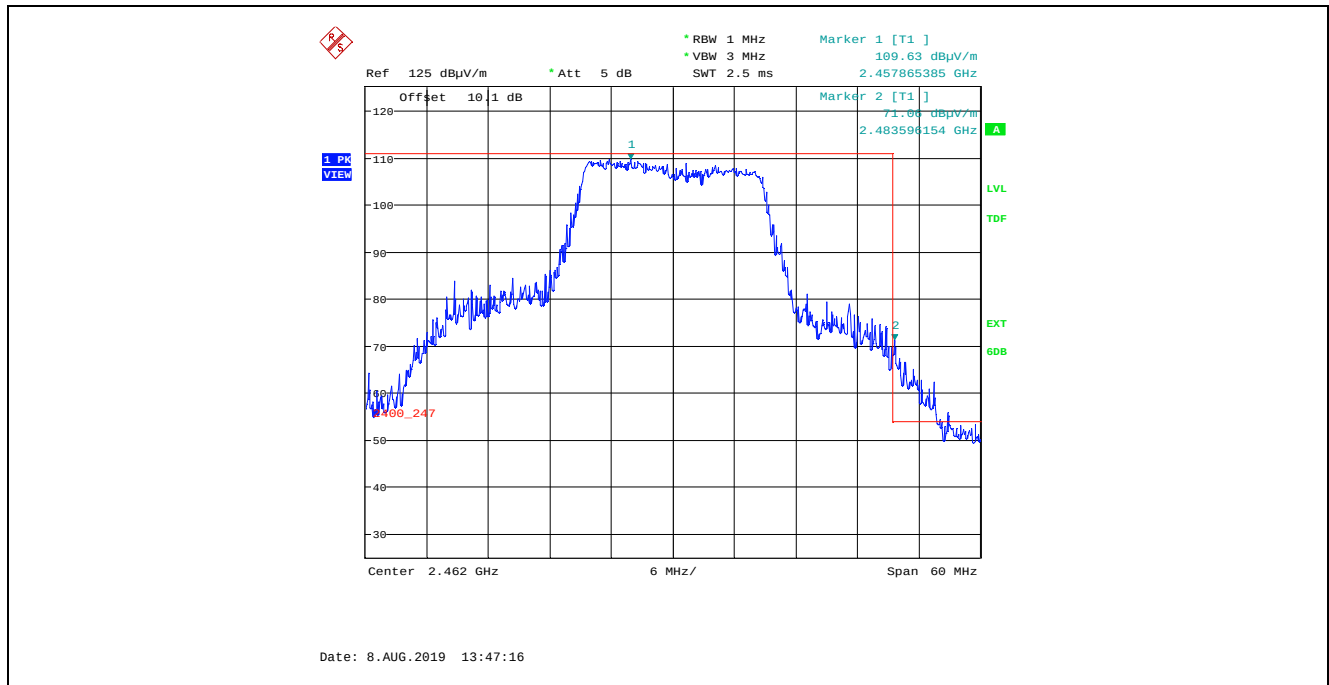
Plot 5.4.4.2.4.19. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 21, Channel 10, 2457 MHz



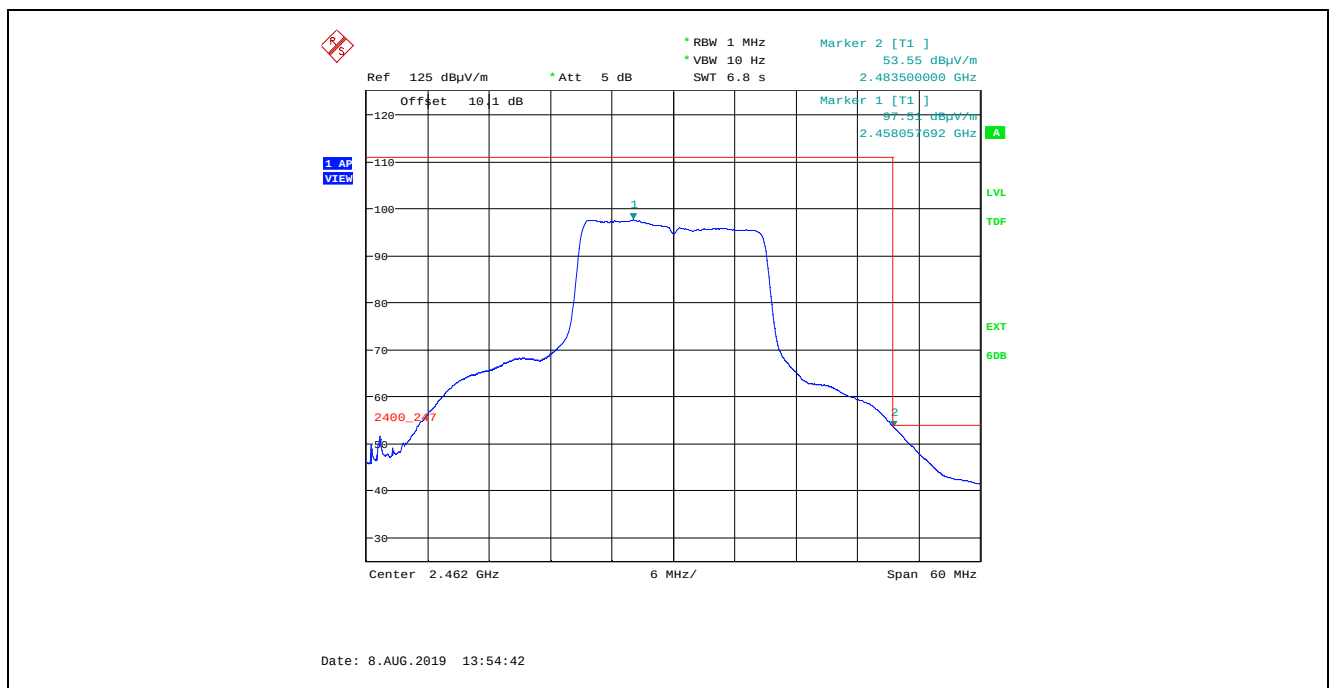
Plot 5.4.4.2.4.20. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 21, Channel 10, 2457 MHz



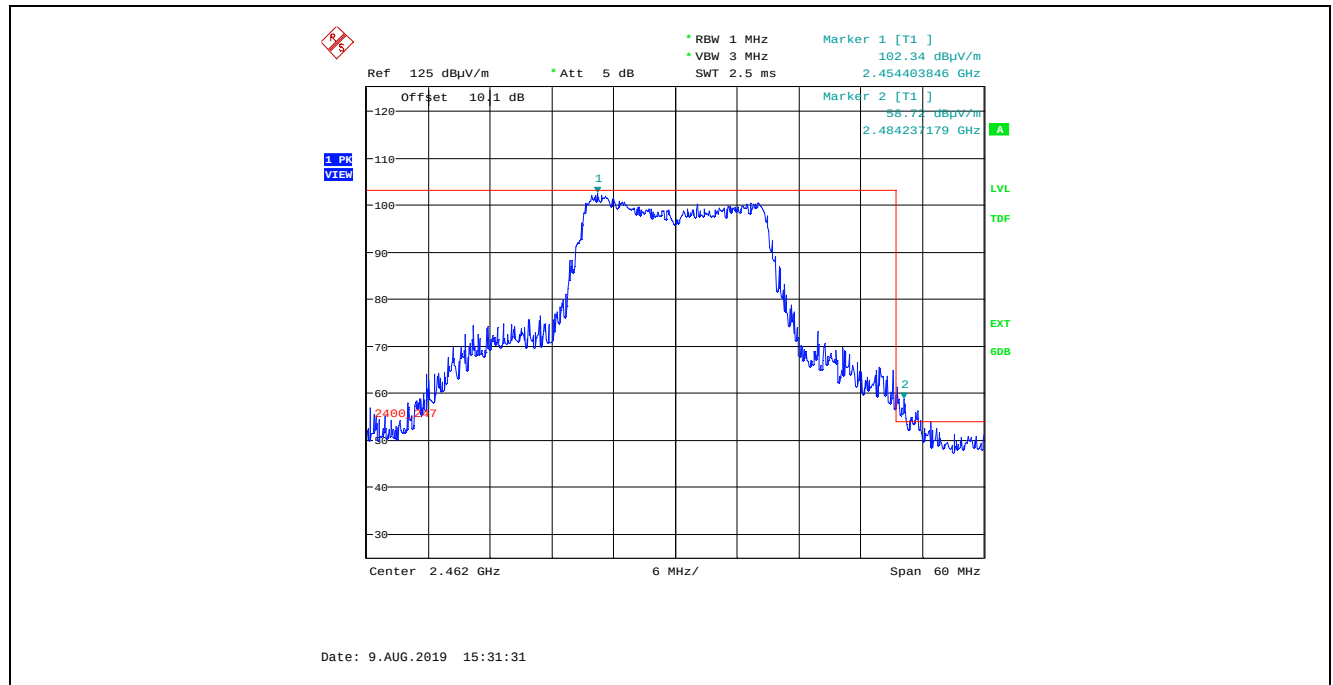
Plot 5.4.4.2.4.21. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 18, Channel 11, 2462 MHz



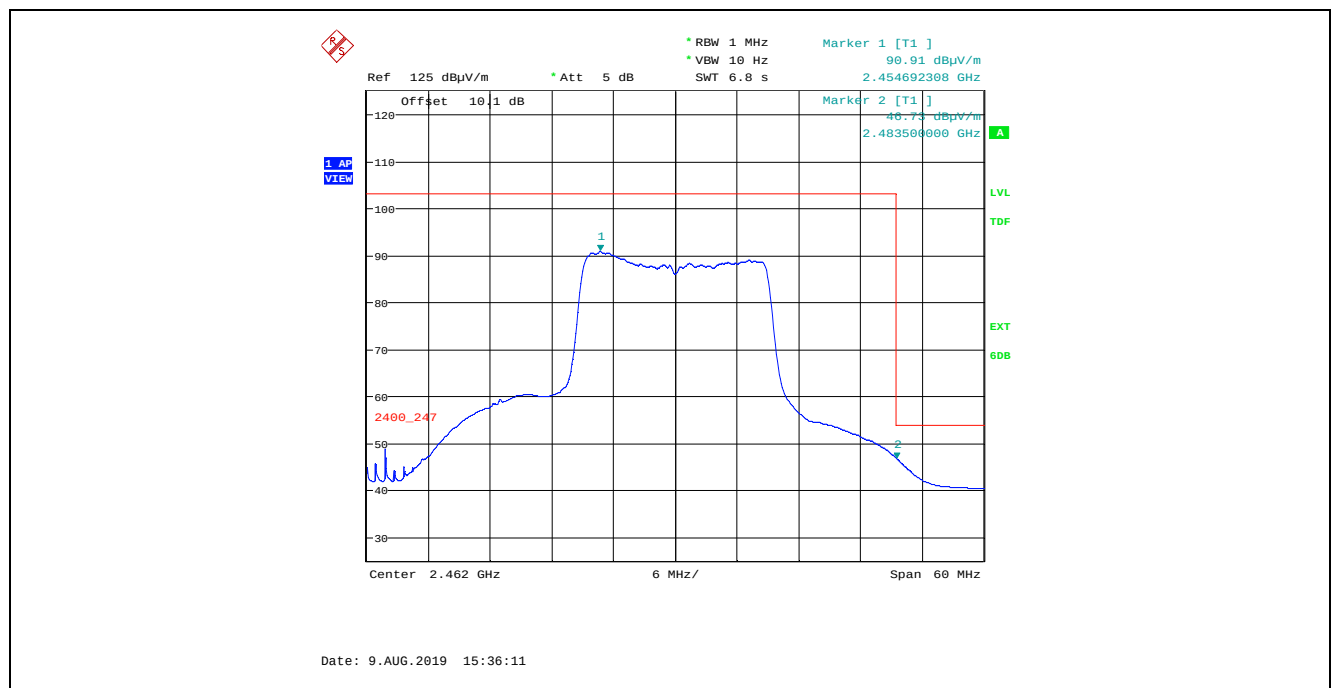
Plot 5.4.4.2.4.22. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 18, Channel 11, 2462 MHz



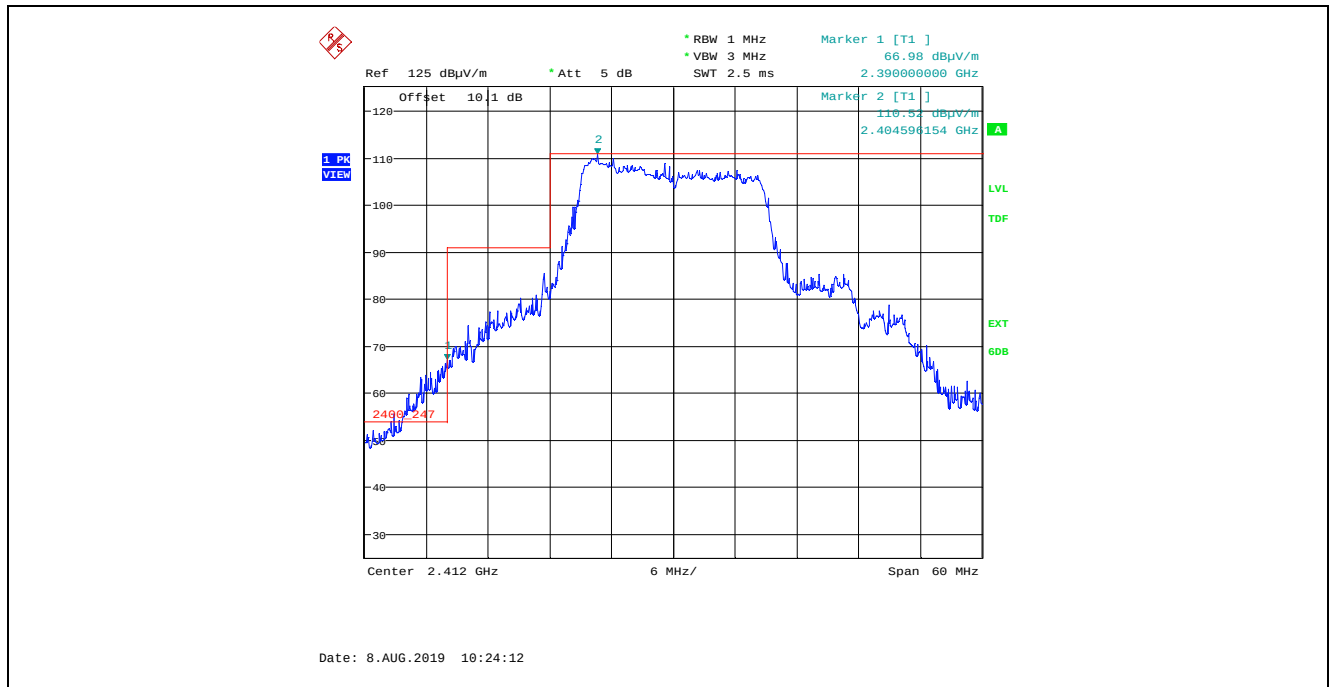
Plot 5.4.4.2.4.23. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 18, Channel 11, 2462 MHz



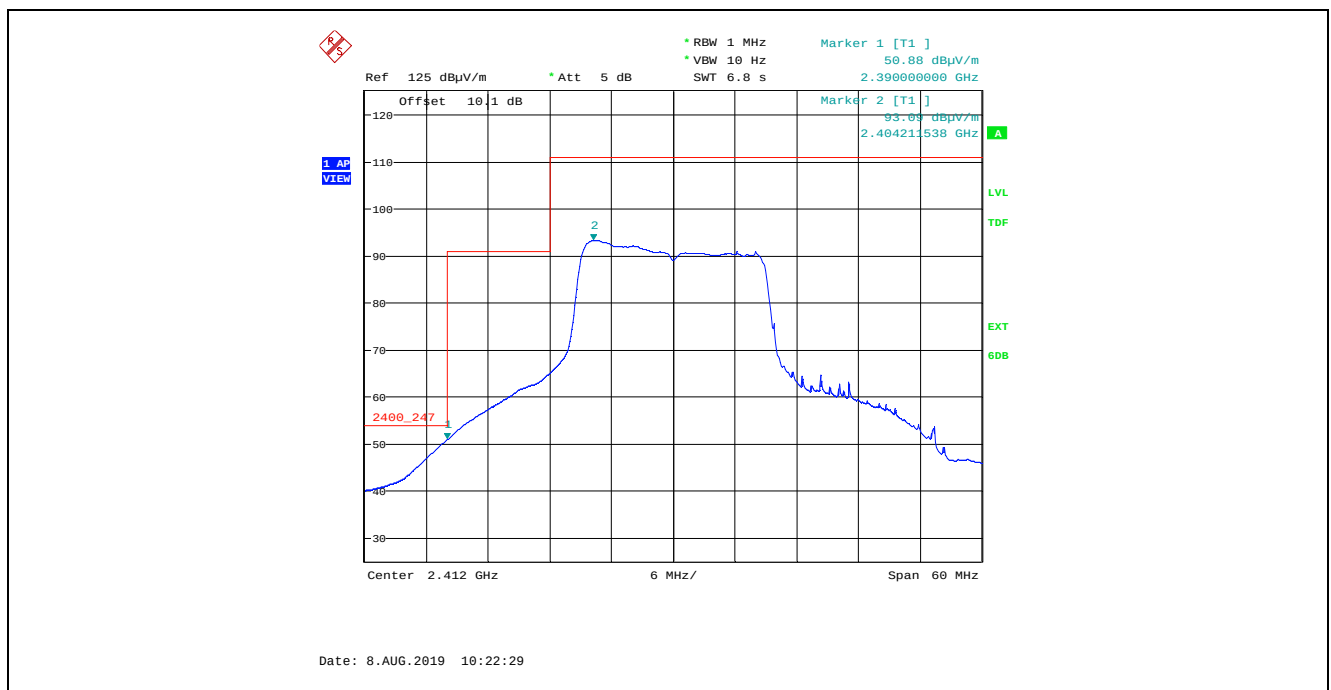
Plot 5.4.4.2.4.24. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 0, BPSK ½ 6.5Mbps, Power Setting 18, Channel 11, 2462 MHz



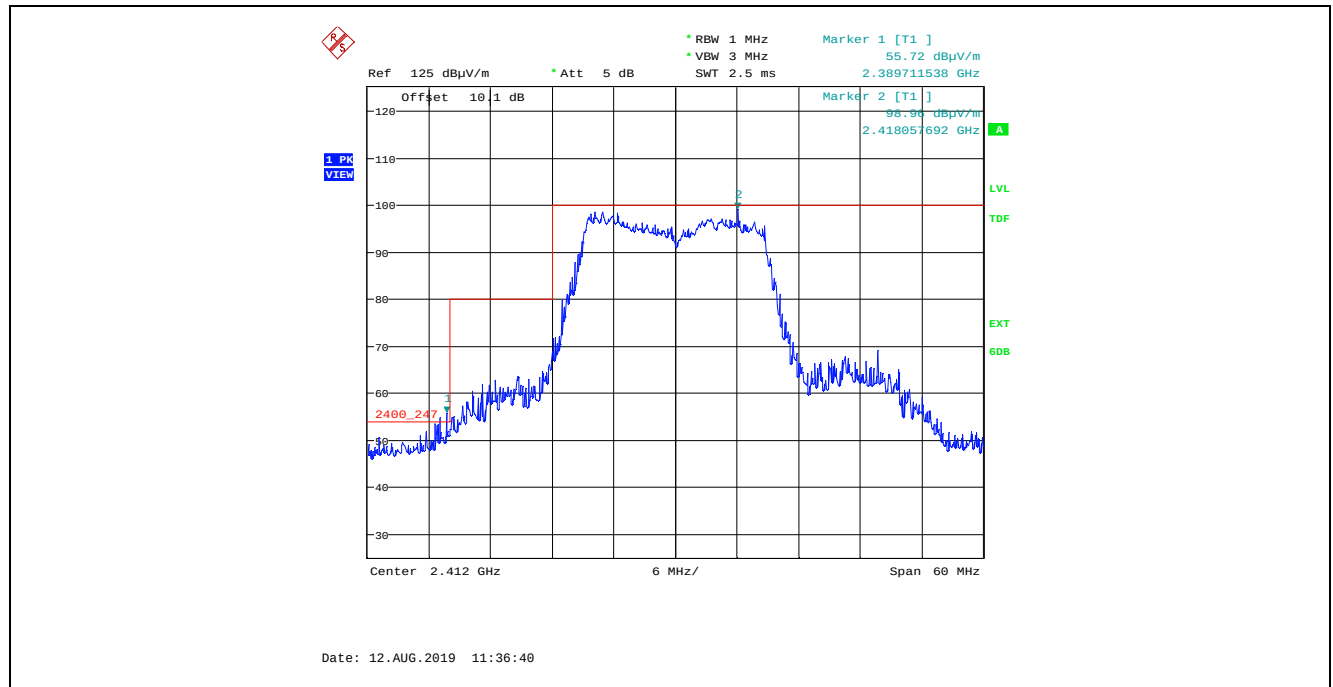
Plot 5.4.4.2.4.25. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 19, Channel 1, 2412 MHz



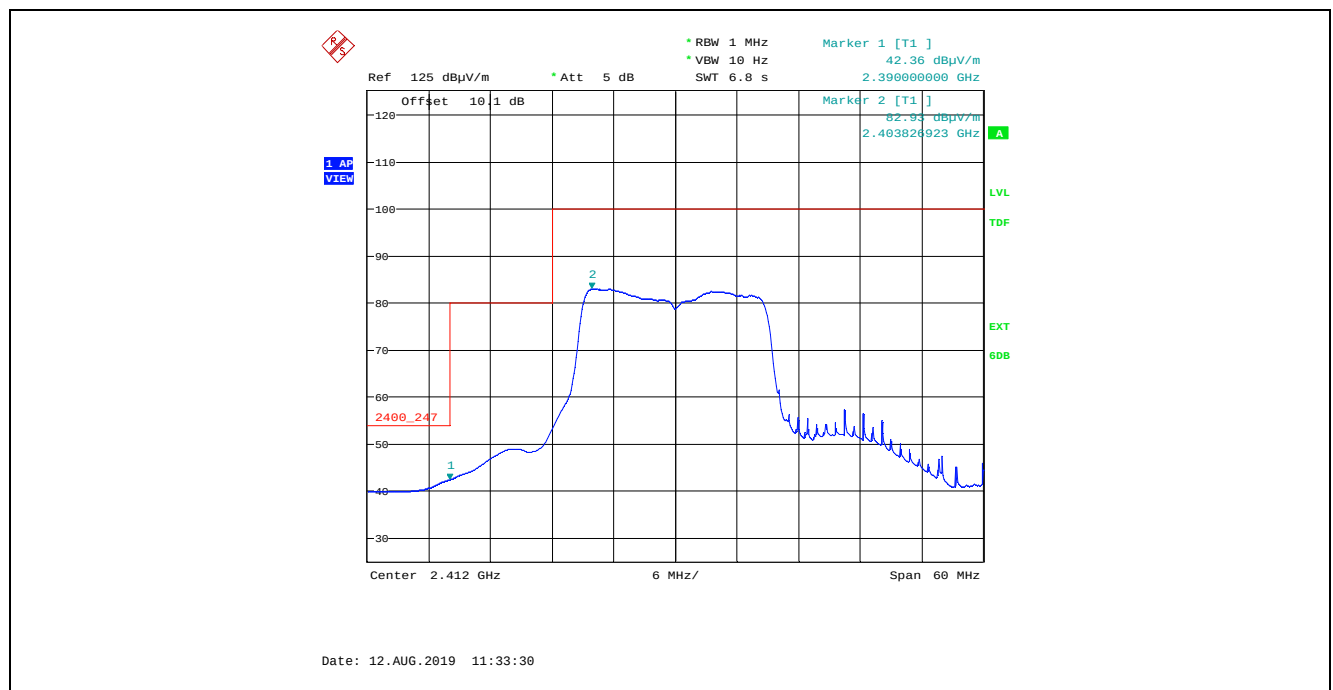
Plot 5.4.4.2.4.26. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 19, Channel 1, 2412 MHz



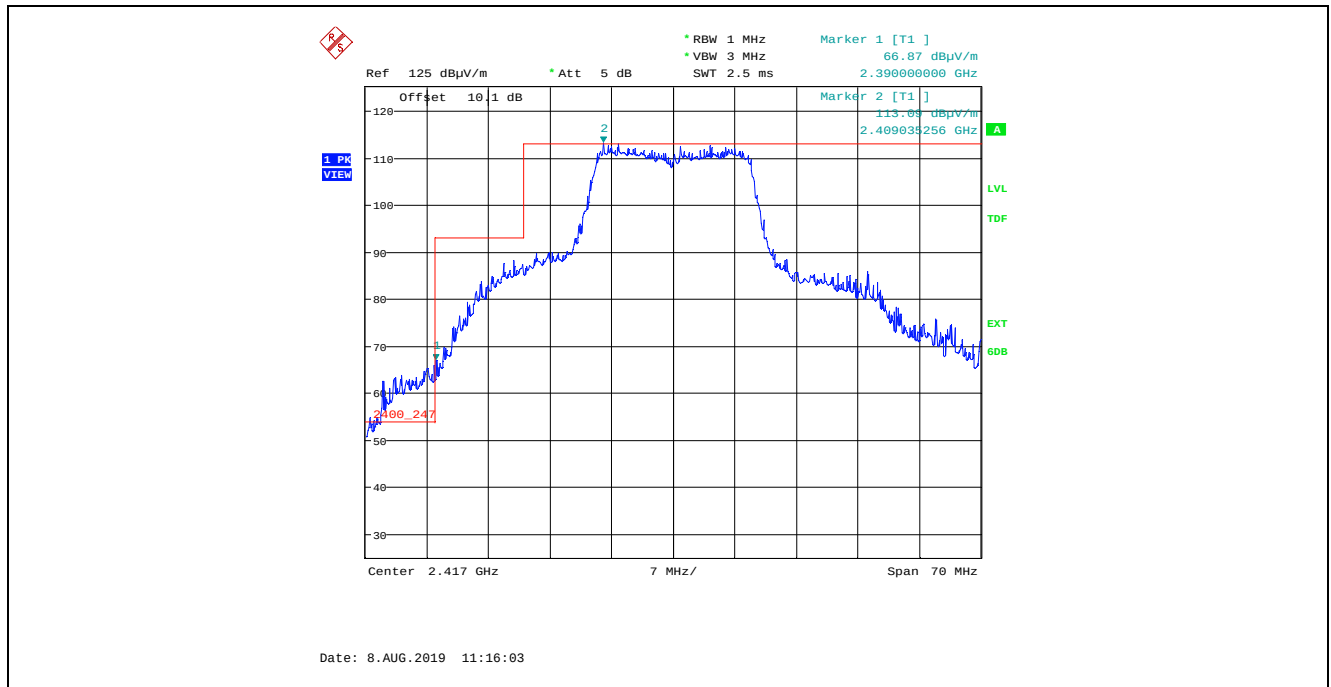
Plot 5.4.4.2.4.27. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 19, Channel 1, 2412 MHz



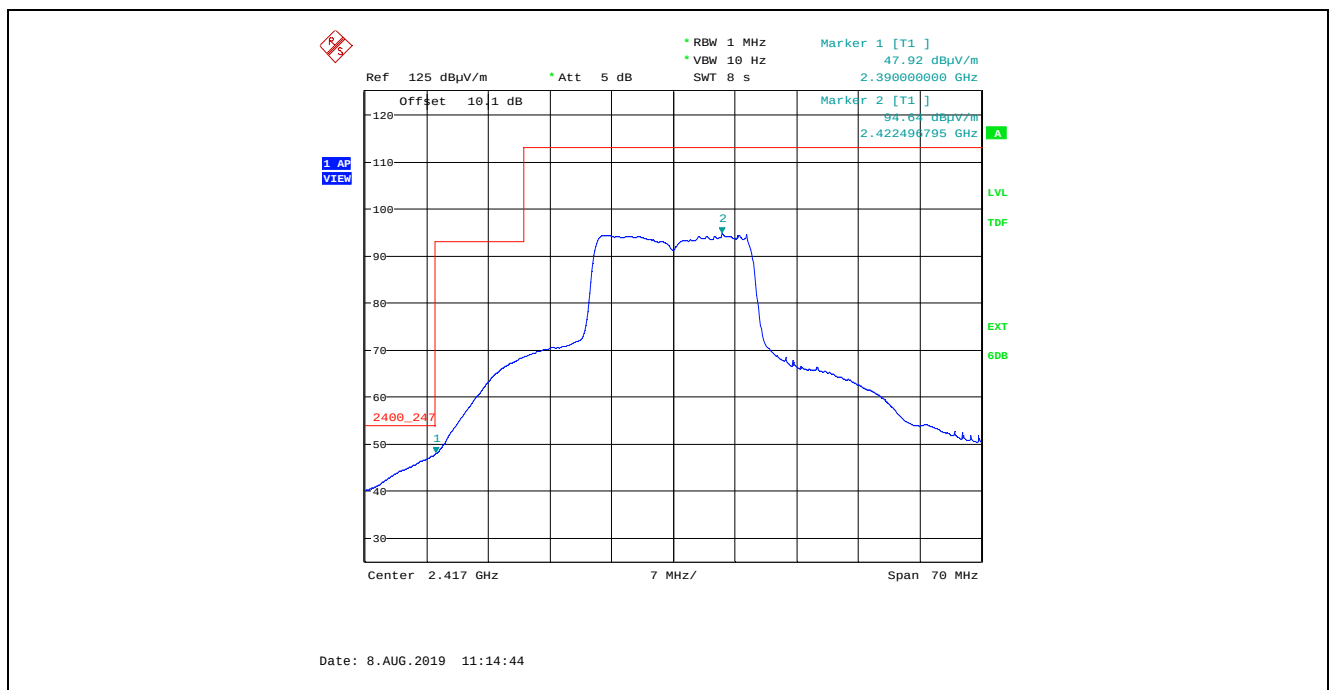
Plot 5.4.4.2.4.28. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 19, Channel 1, 2412 MHz



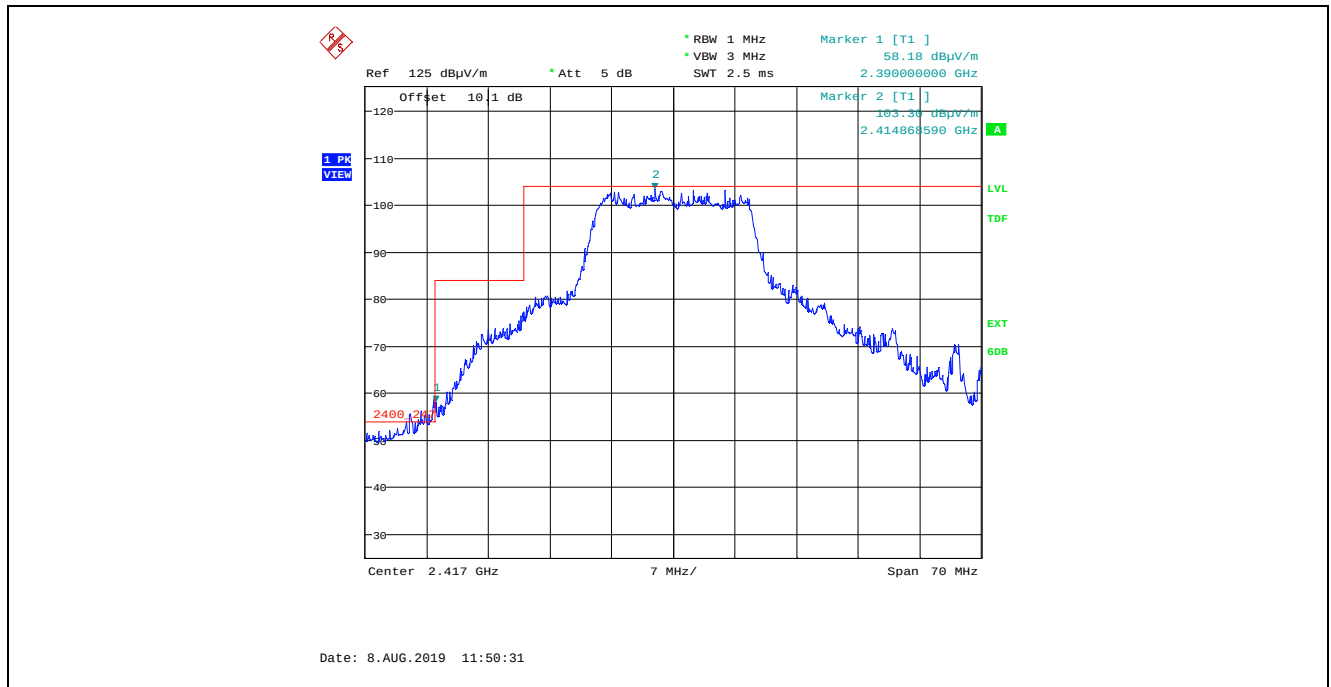
Plot 5.4.4.2.4.29. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 24, Channel 2, 2417 MHz



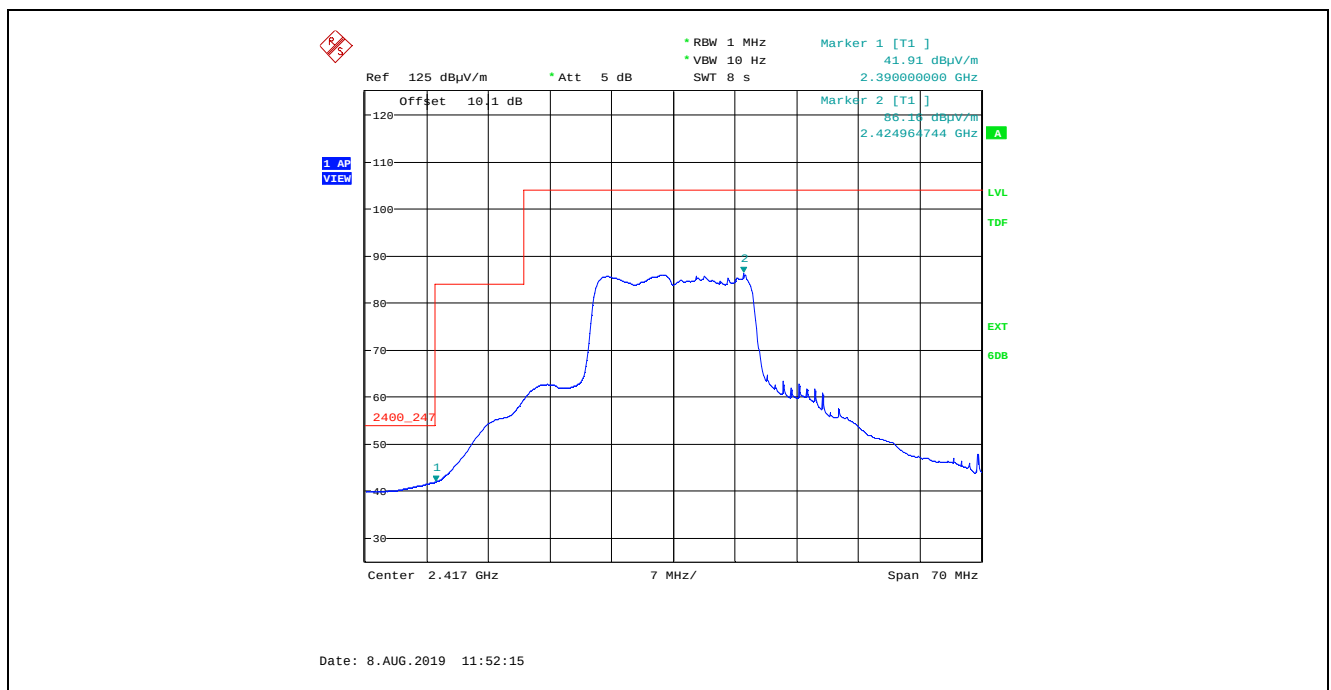
Plot 5.4.4.2.4.30. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 24, Channel 2, 2417 MHz



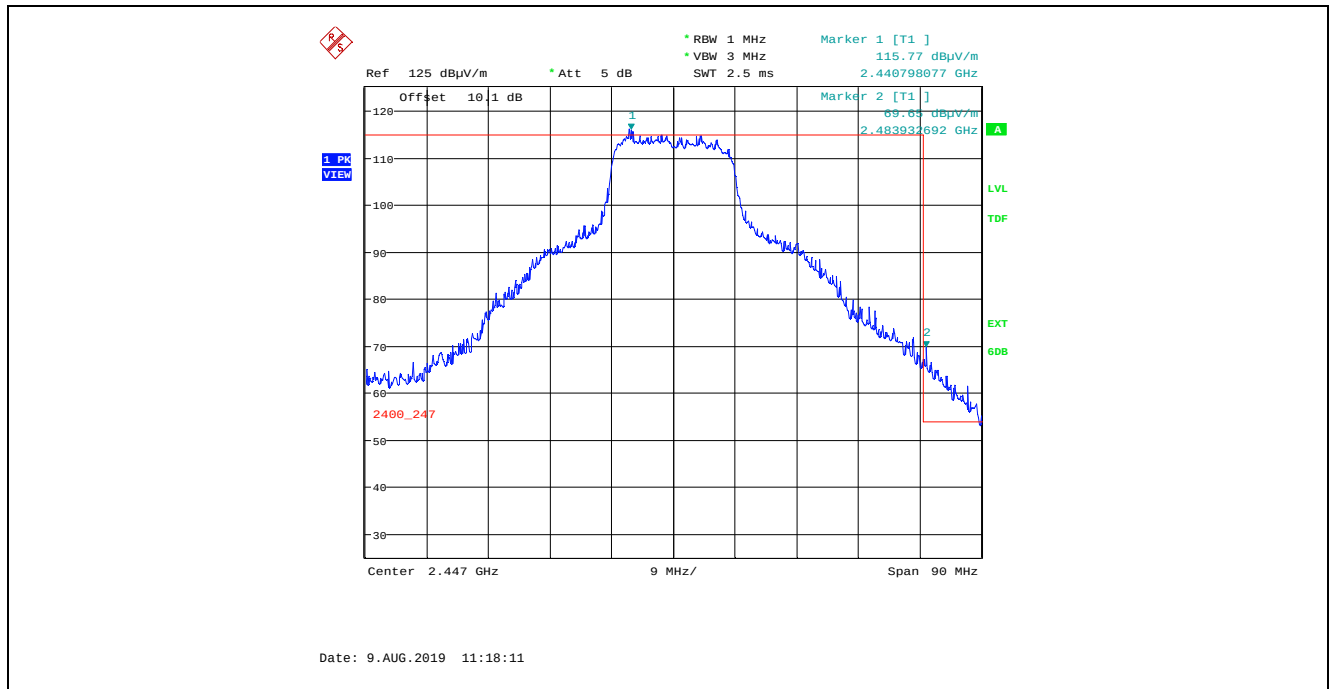
Plot 5.4.4.2.4.31. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 24, Channel 2, 2417 MHz



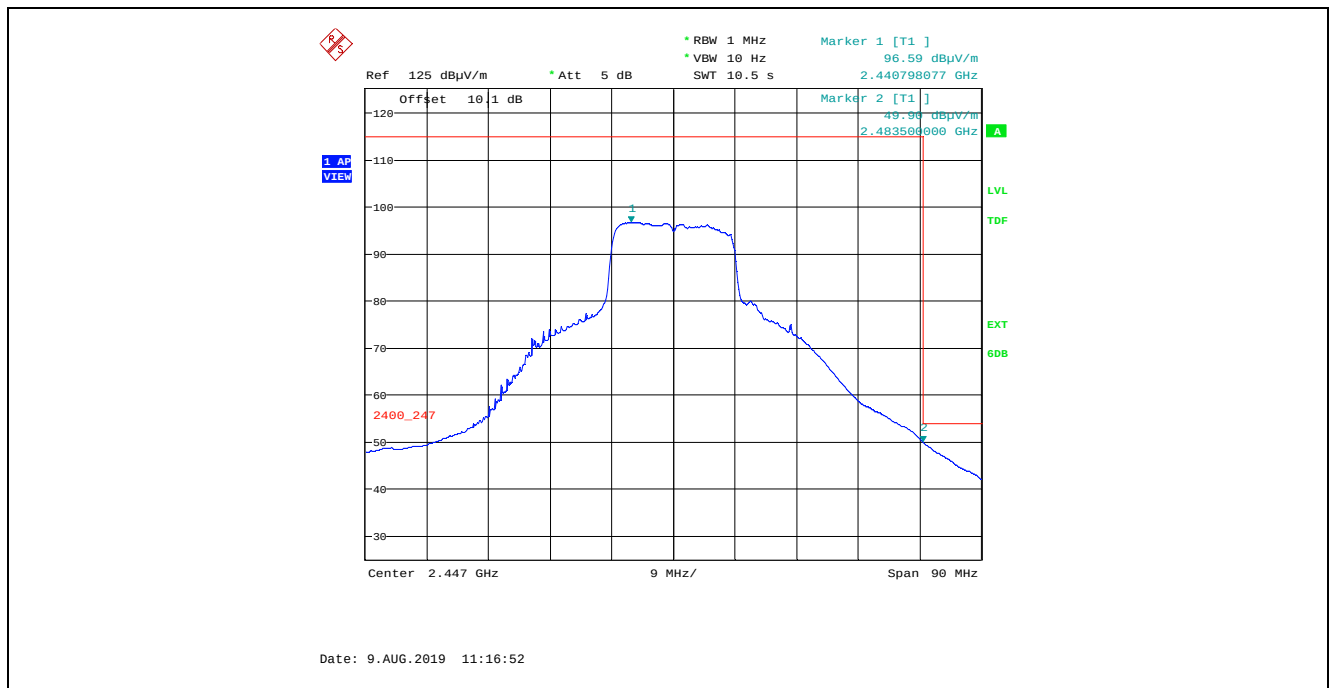
Plot 5.4.4.2.4.32. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 24, Channel 2, 2417 MHz



Plot 5.4.4.2.4.33. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 24, Channel 8, 2447 MHz



Plot 5.4.4.2.4.34. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 24, Channel 8, 2447 MHz



[illegible]

Ref 125 dBuV/m * Att 5 dB * RBW 1 MHz * VBW 10 Hz * SWT 10.5 s

Marker 1 [T1] 89.75 dBuV/m 2.441951923 GHz

Marker 2 [T1] 44.86 dBuV/m 2.483500000 GHz

Offset 10.1 dB

2400_247

1 AP VIEW

1

2

Center 2.447 GHz 9 MHz/ Span 90 MHz

LVL TDF EXT 6DB

Ref 125 dBμV/m Att 5 dB RBW 1 MHz VBW 3 MHz SWT 2.5 ms

Marker 1 [T1]
115.46 dBμV/m
2.446230769 GHz

Marker 2 [T1]
67.63 dBμV/m
2.484141026 GHz

Offset 101 dB

Center 2.452 GHz Span 80 MHz

2400.247

1 PK VIEW

1

2

LVL

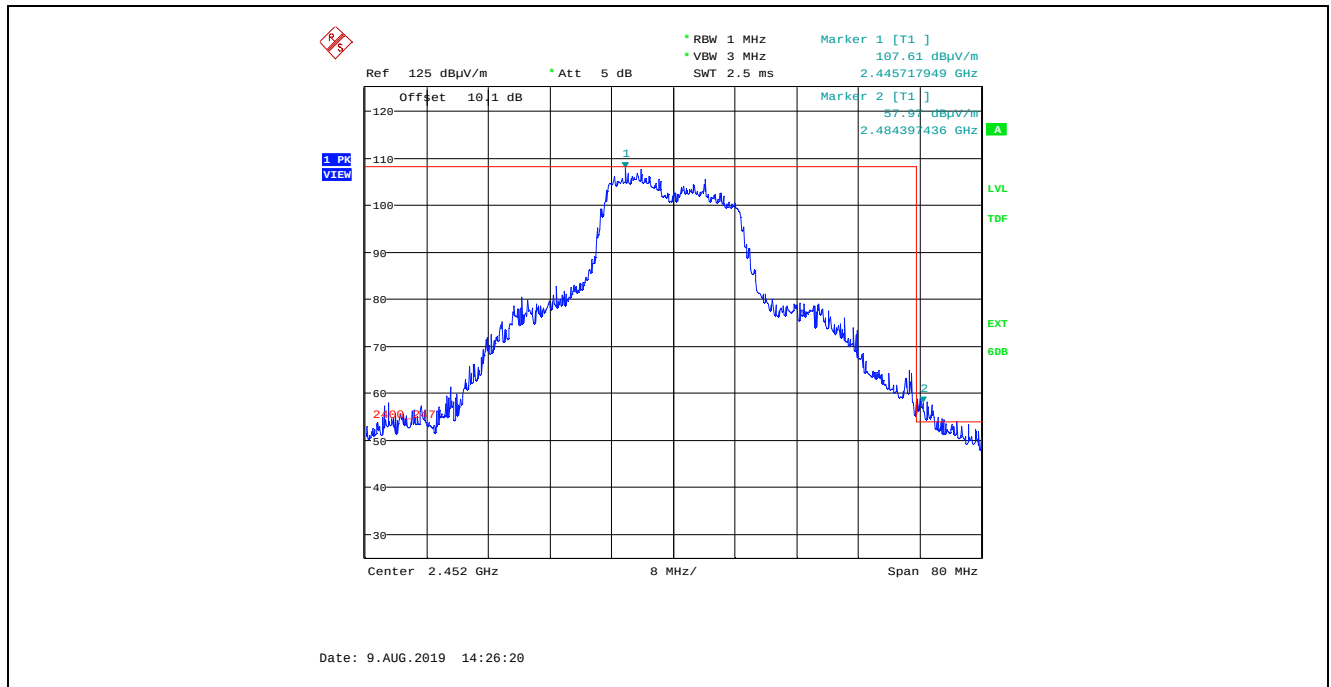
TDF

EXT

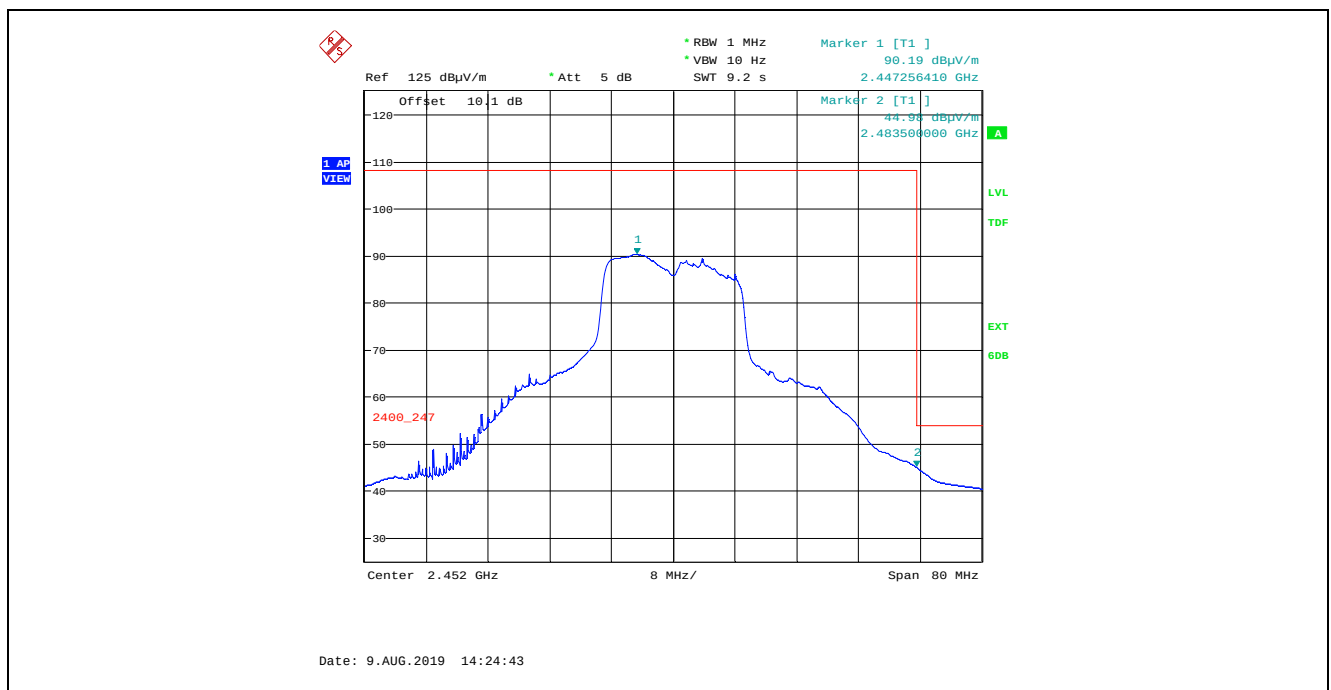
6DB

Date: 8.AUG.2019 16:36:09

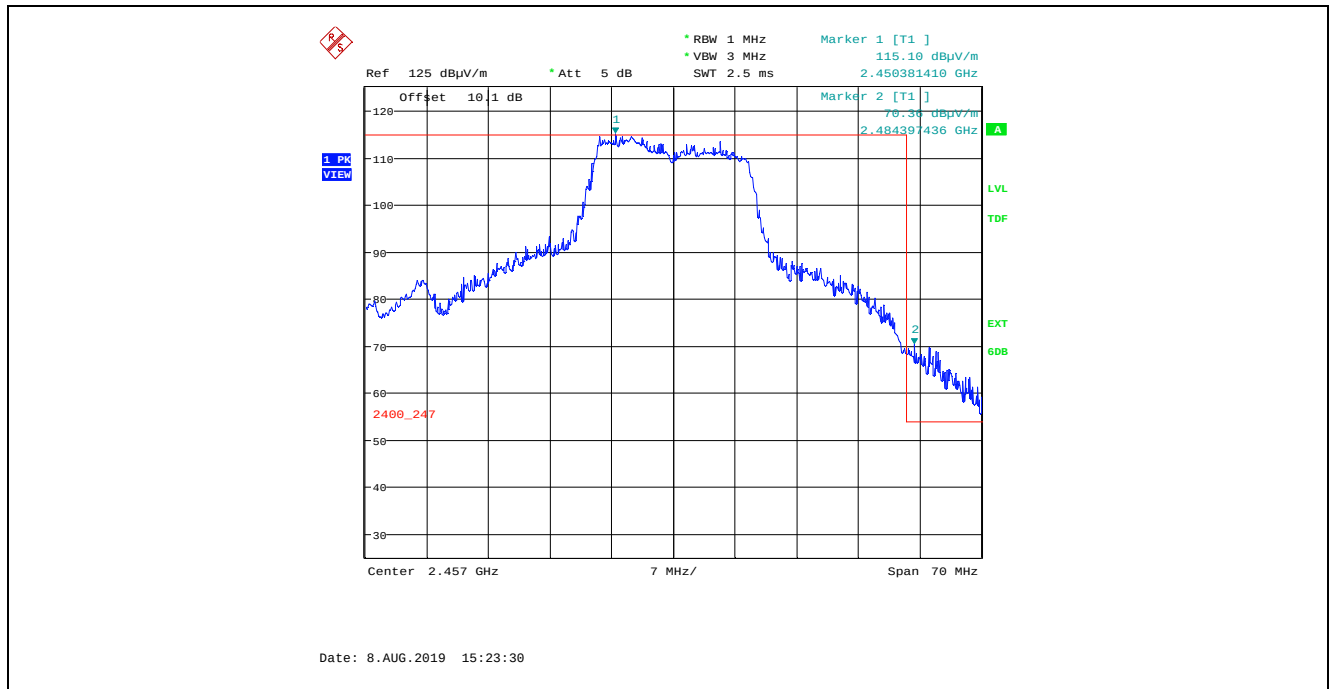
Plot 5.4.4.2.4.39. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 21, Channel 9, 2452 MHz



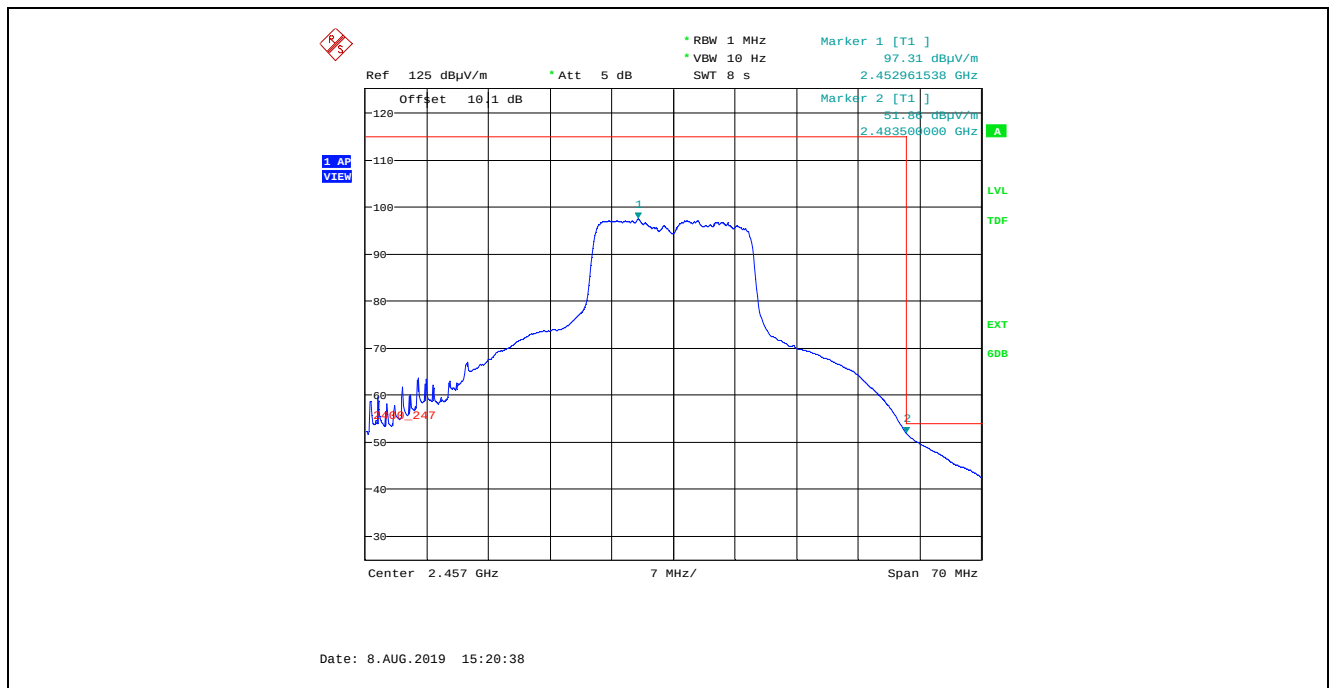
Plot 5.4.4.2.4.40. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK ¾ 19.5Mbps, Power Setting 21, Channel 9, 2452 MHz



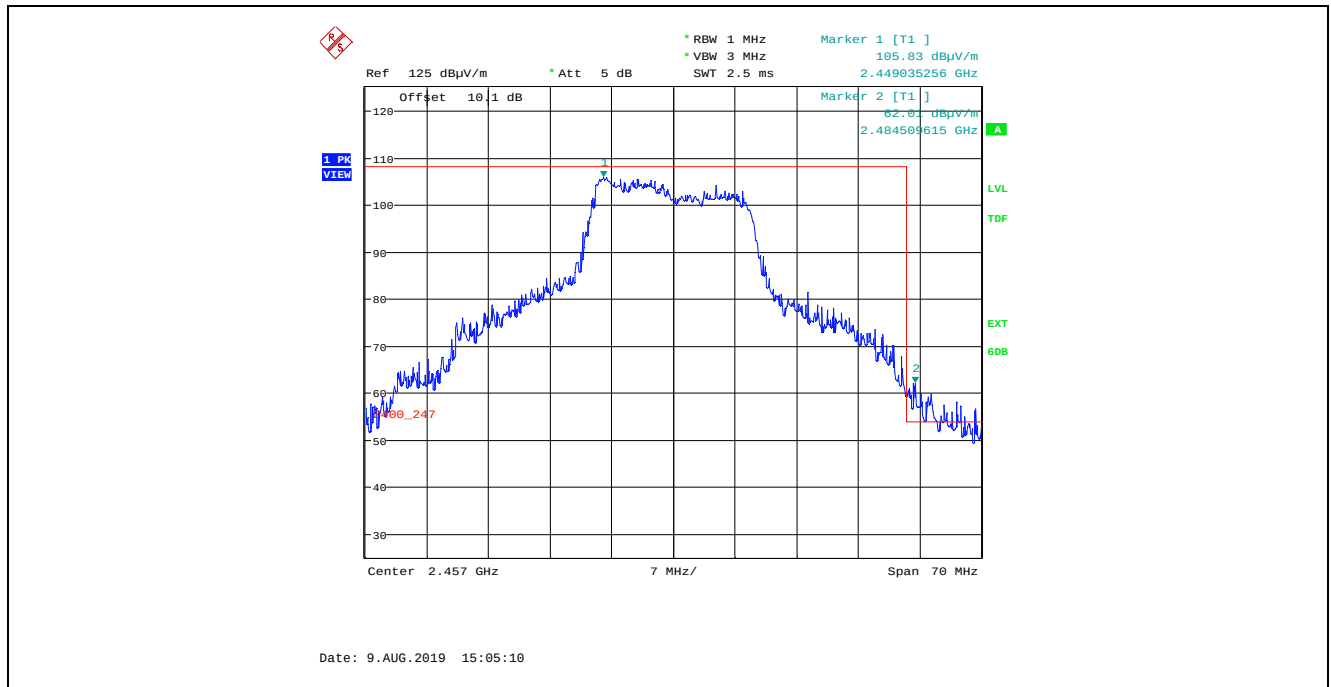
Plot 5.4.4.2.4.41. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK $\frac{3}{4}$ 19.5Mbps, Power Setting 21, Channel 10, 2457 MHz



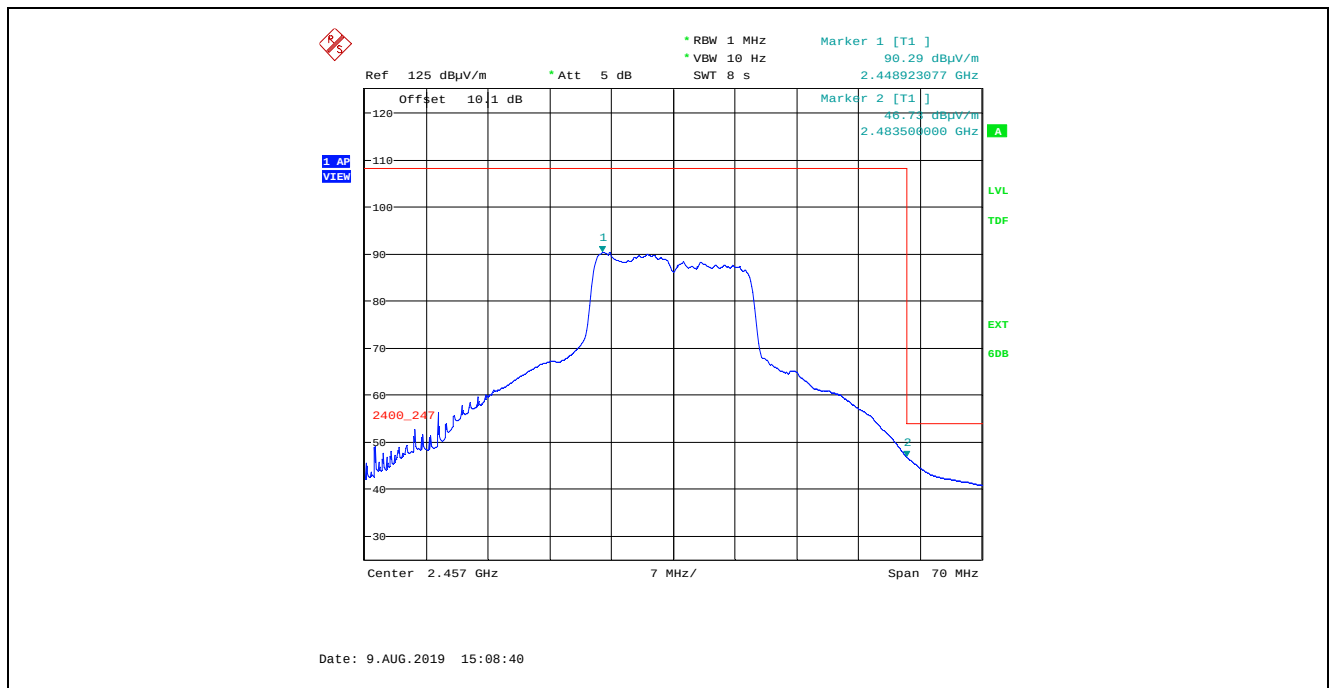
Plot 5.4.4.2.4.42. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK $\frac{3}{4}$ 19.5Mbps, Power Setting 21, Channel 10, 2457 MHz



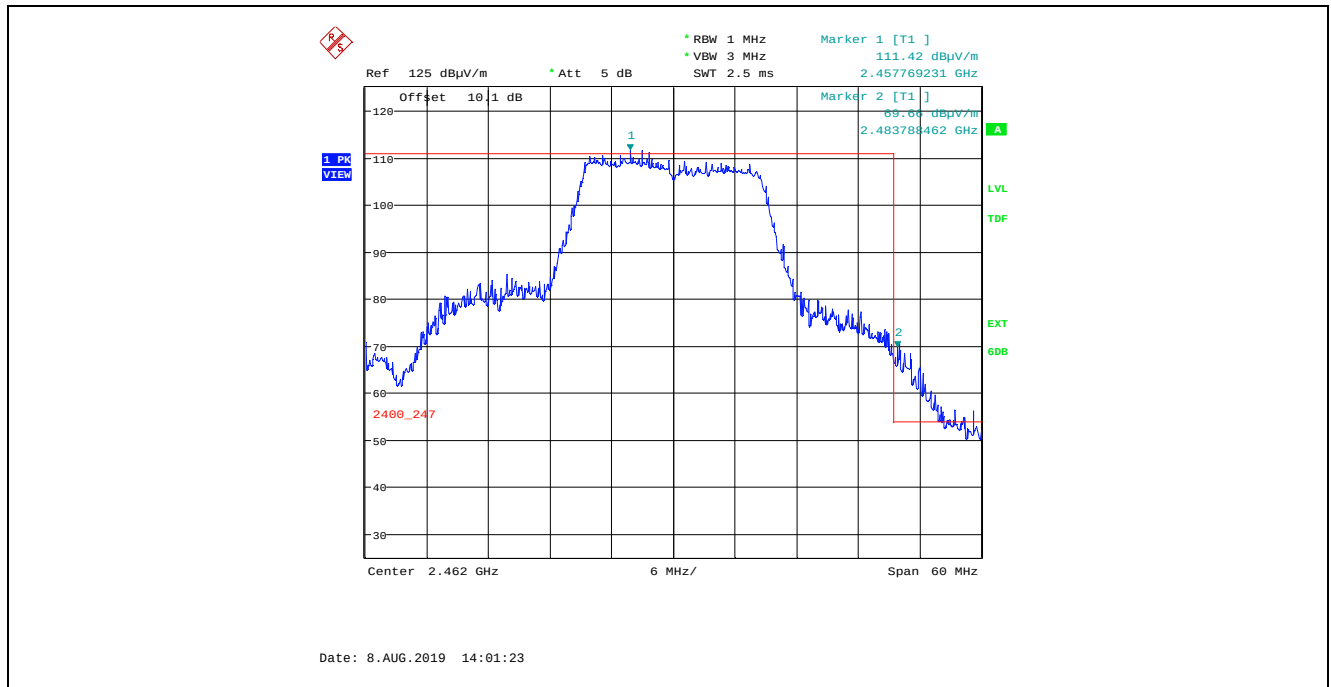
Plot 5.4.4.2.4.43. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK $\frac{3}{4}$ 19.5Mbps, Power Setting 21, Channel 10, 2457 MHz



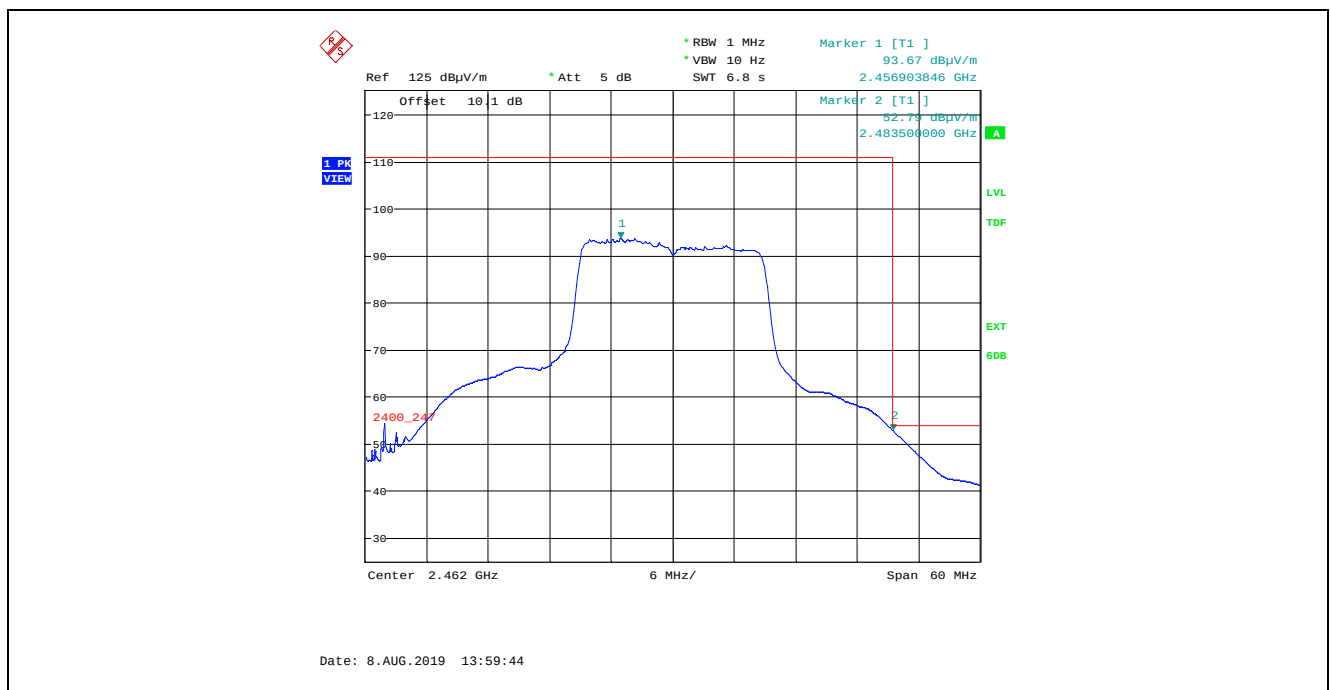
Plot 5.4.4.2.4.44. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK $\frac{3}{4}$ 19.5Mbps, Power Setting 21, Channel 10, 2457 MHz



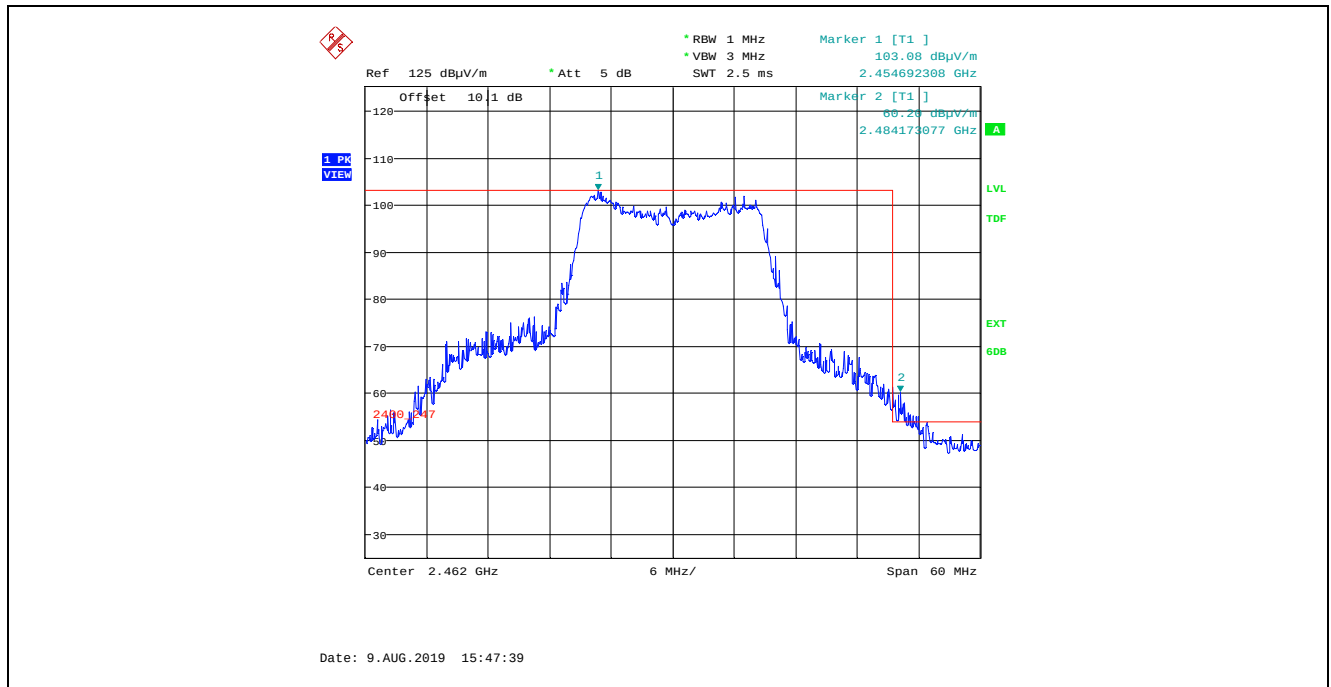
Plot 5.4.4.2.4.45. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK $\frac{3}{4}$ 19.5Mbps, Power Setting 18, Channel 11, 2462 MHz



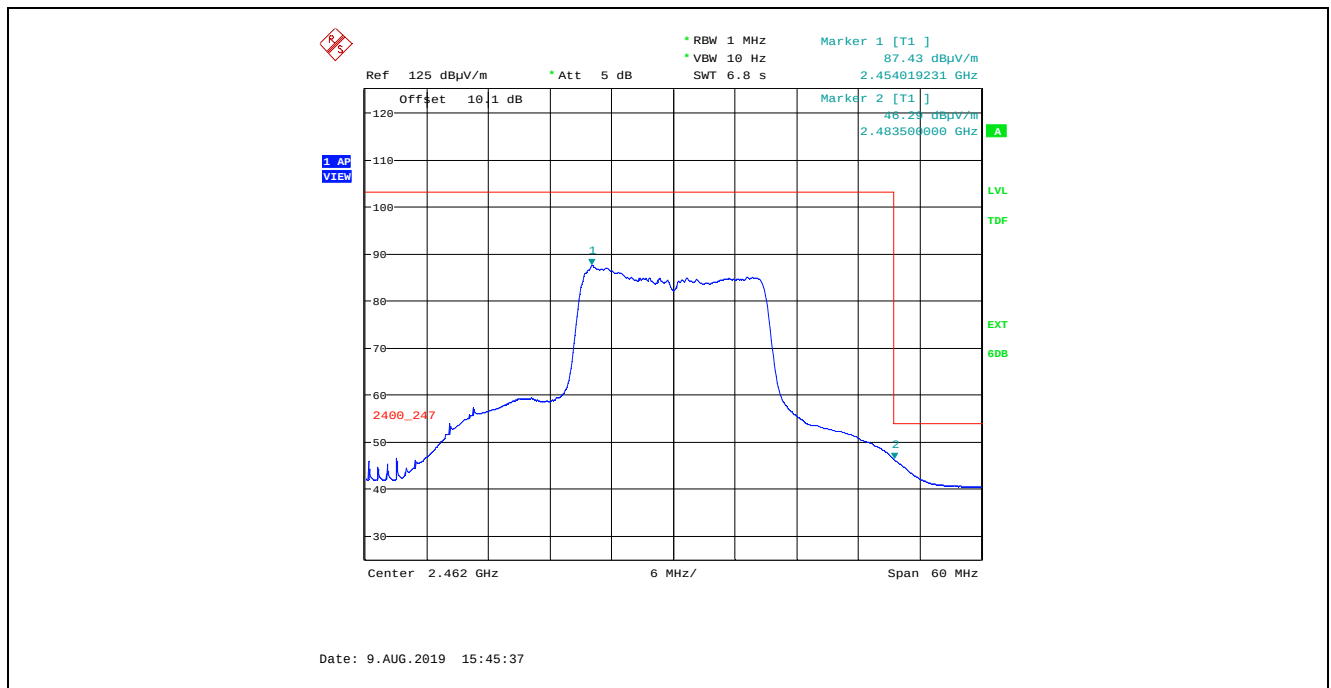
Plot 5.4.4.2.4.46. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK $\frac{3}{4}$ 19.5Mbps, Power Setting 18, Channel 11, 2462 MHz



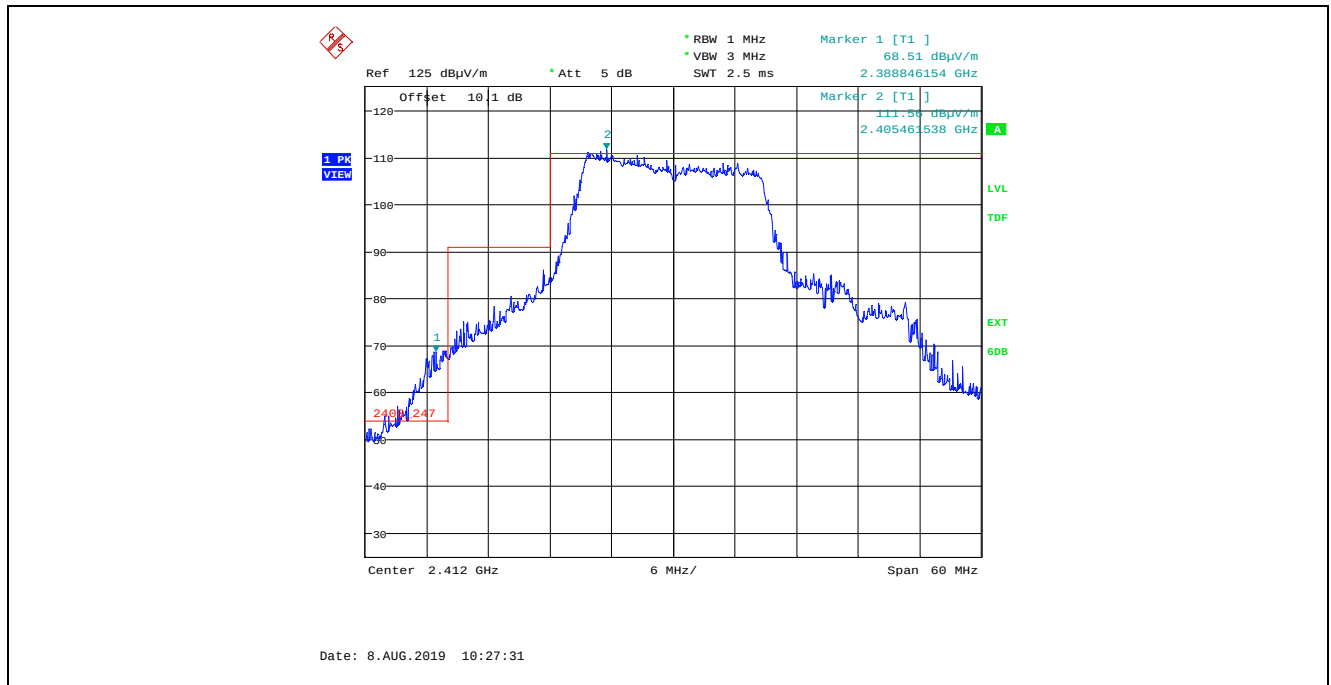
Plot 5.4.4.2.4.47. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 2, QPSK $\frac{3}{4}$ 19.5Mbps, Power Setting 18, Channel 11, 2462 MHz



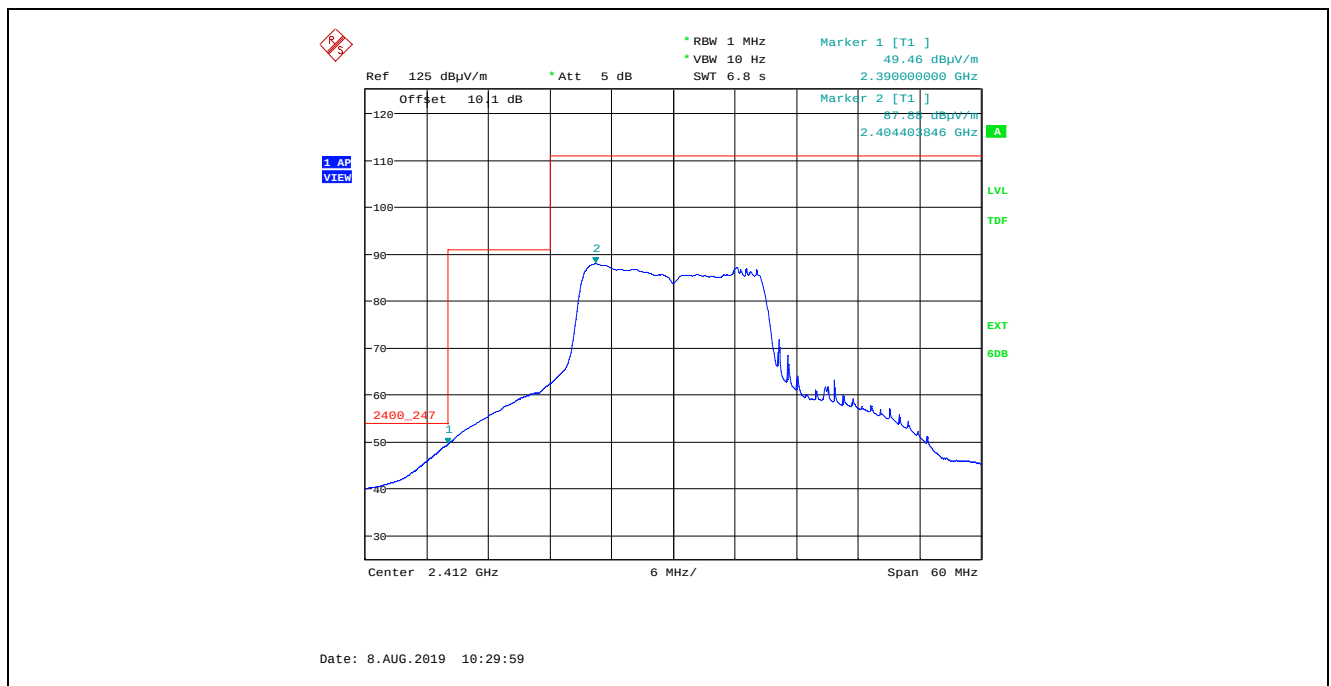
Plot 5.4.4.2.4.48. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 2, QPSK $\frac{3}{4}$ 19.5Mbps, Power Setting 18, Channel 11, 2462 MHz



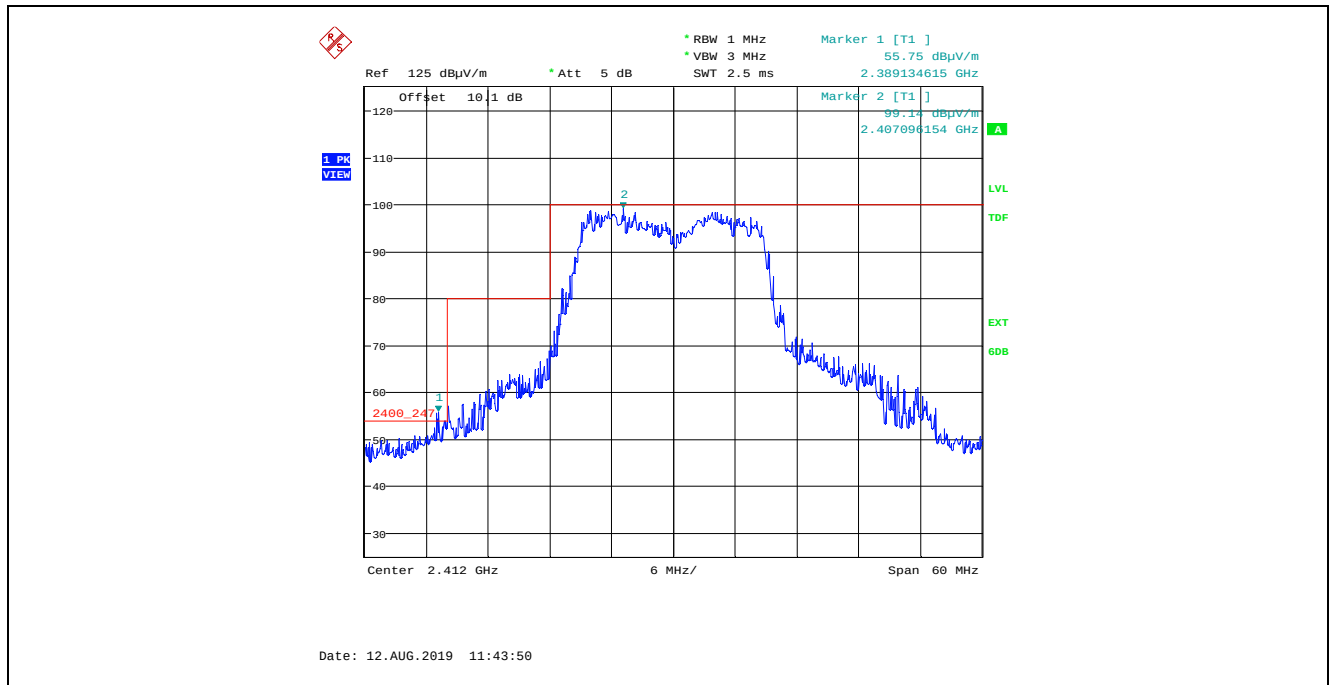
Plot 5.4.4.2.4.49. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 19, Channel 1, 2412 MHz



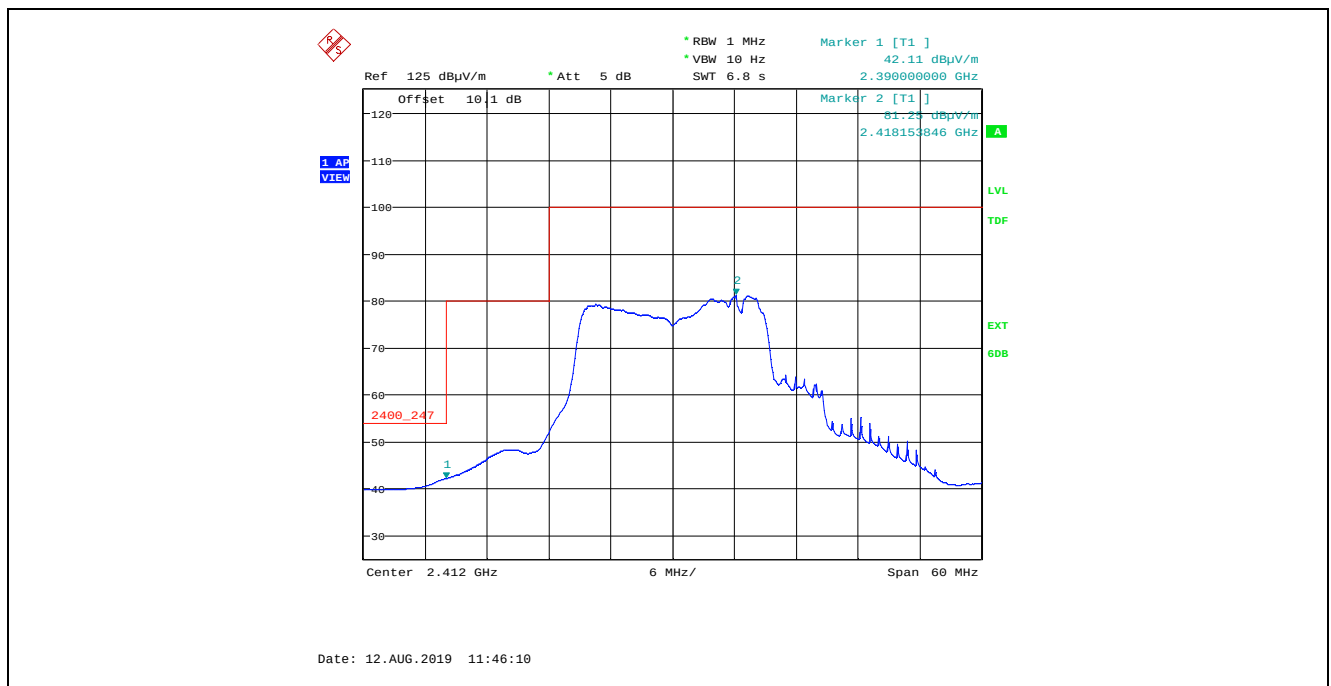
Plot 5.4.4.2.4.50. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 19, Channel 1, 2412 MHz



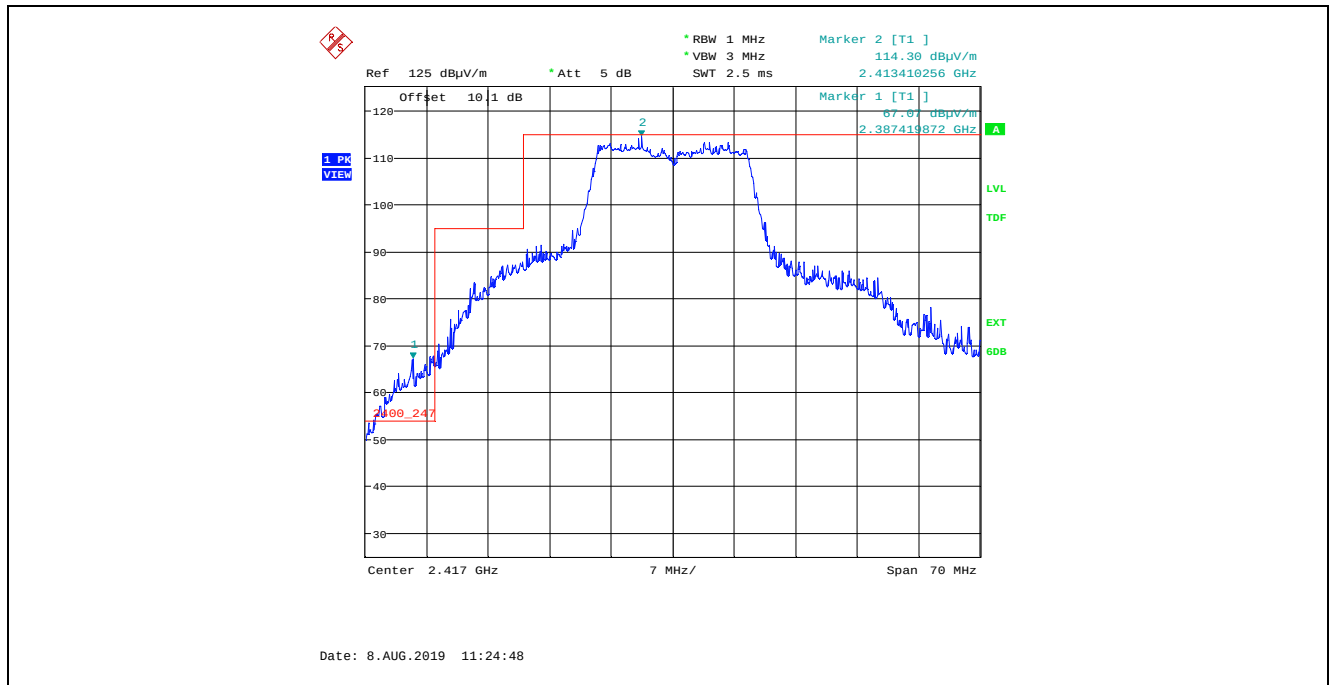
Plot 5.4.4.2.4.51. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 19, Channel 1, 2412 MHz



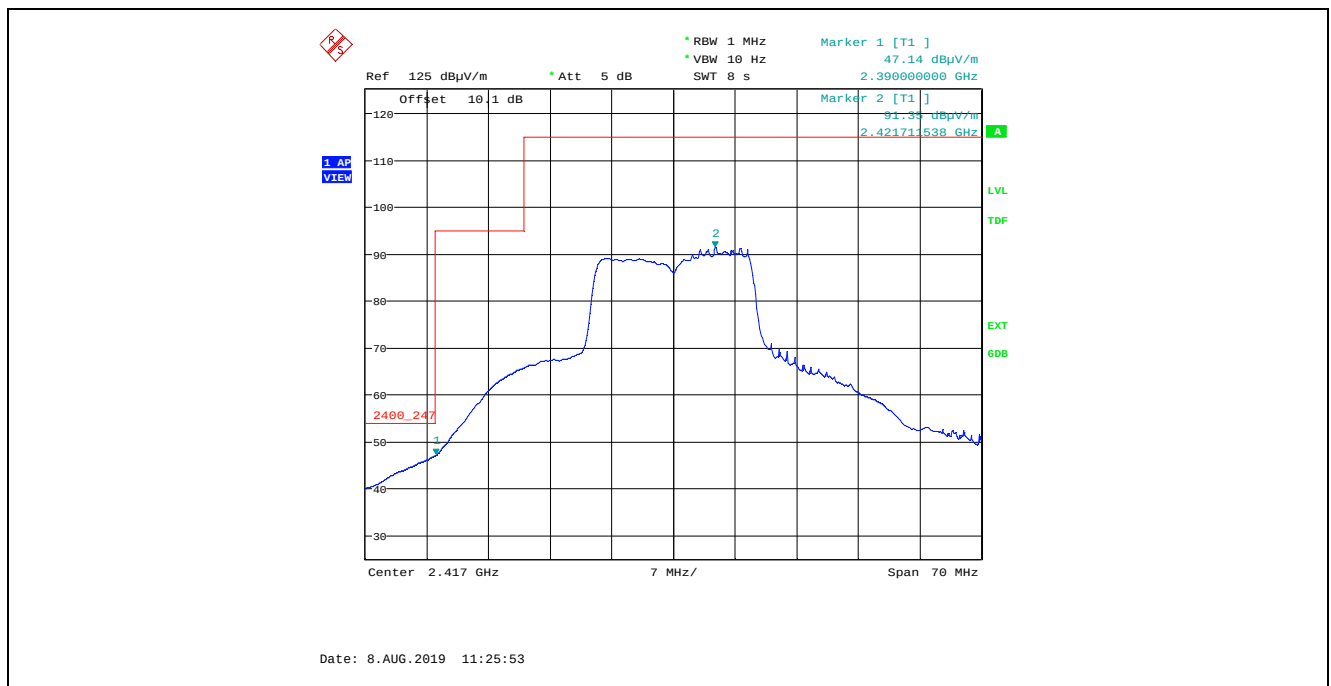
Plot 5.4.4.2.4.52. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 19, Channel 1, 2412 MHz



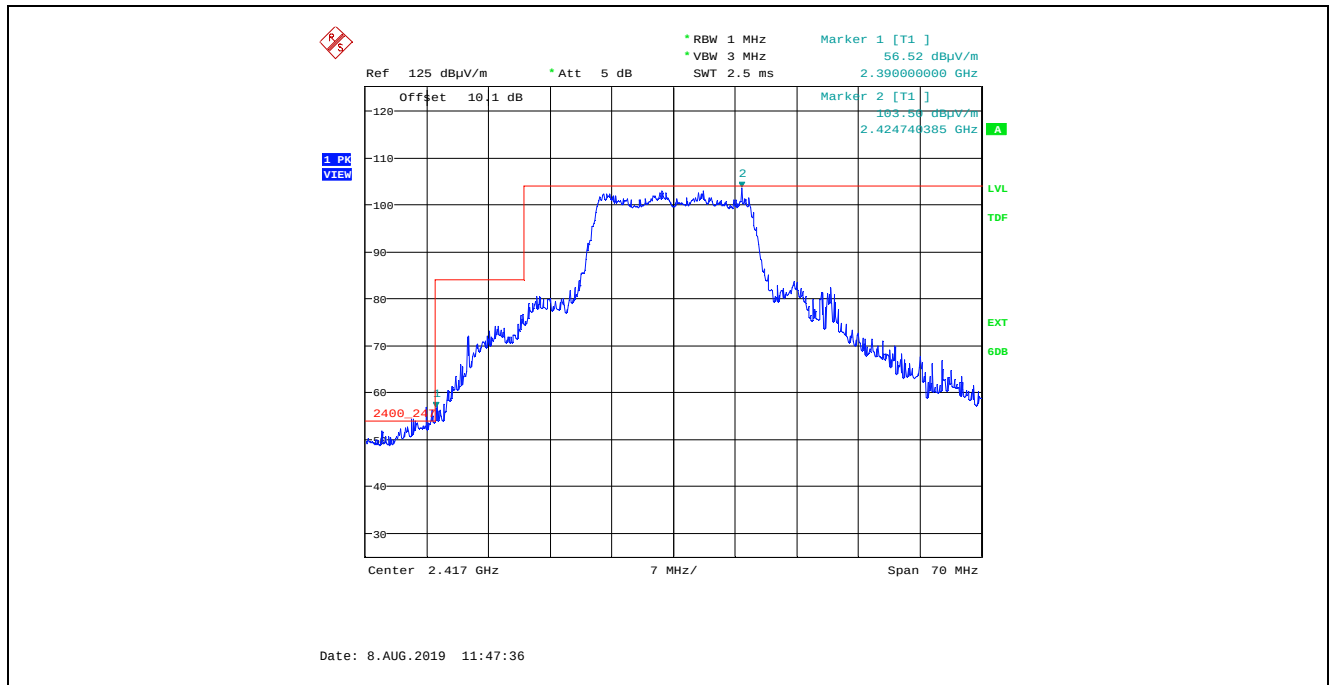
Plot 5.4.4.2.4.53. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 24, Channel 2, 2417 MHz



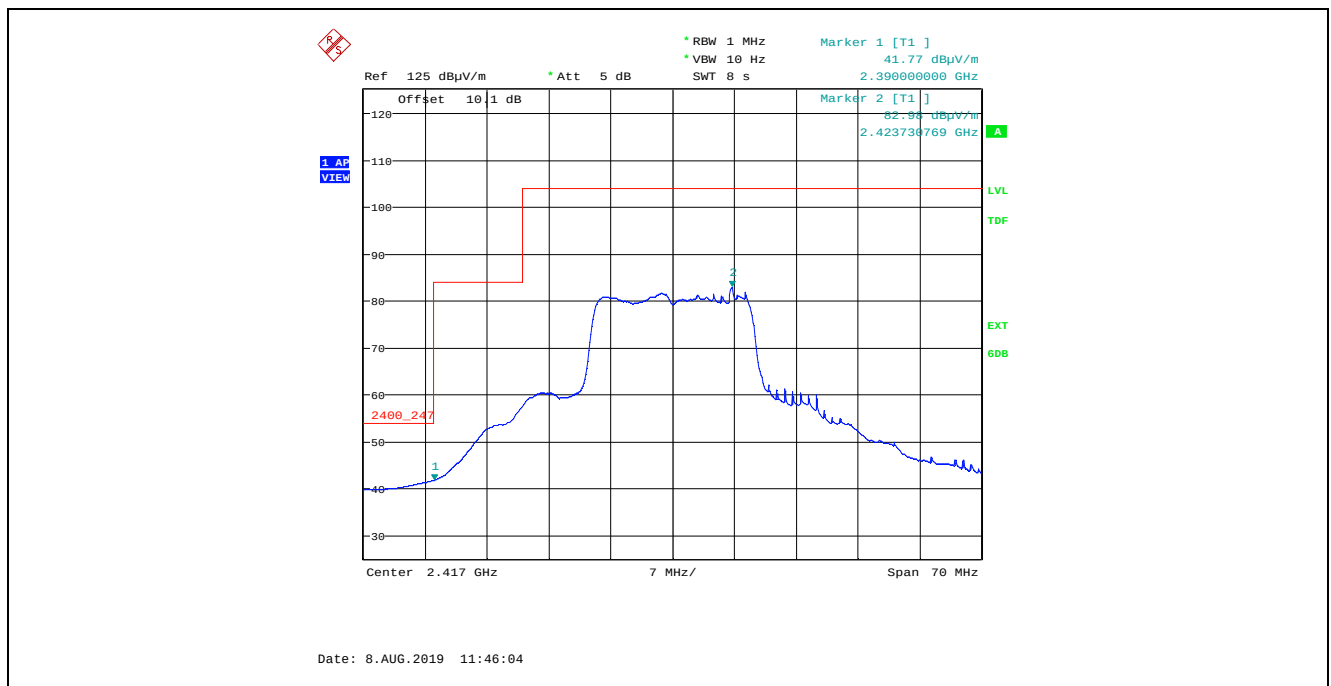
Plot 5.4.4.2.4.54. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 24, Channel 2, 2417 MHz



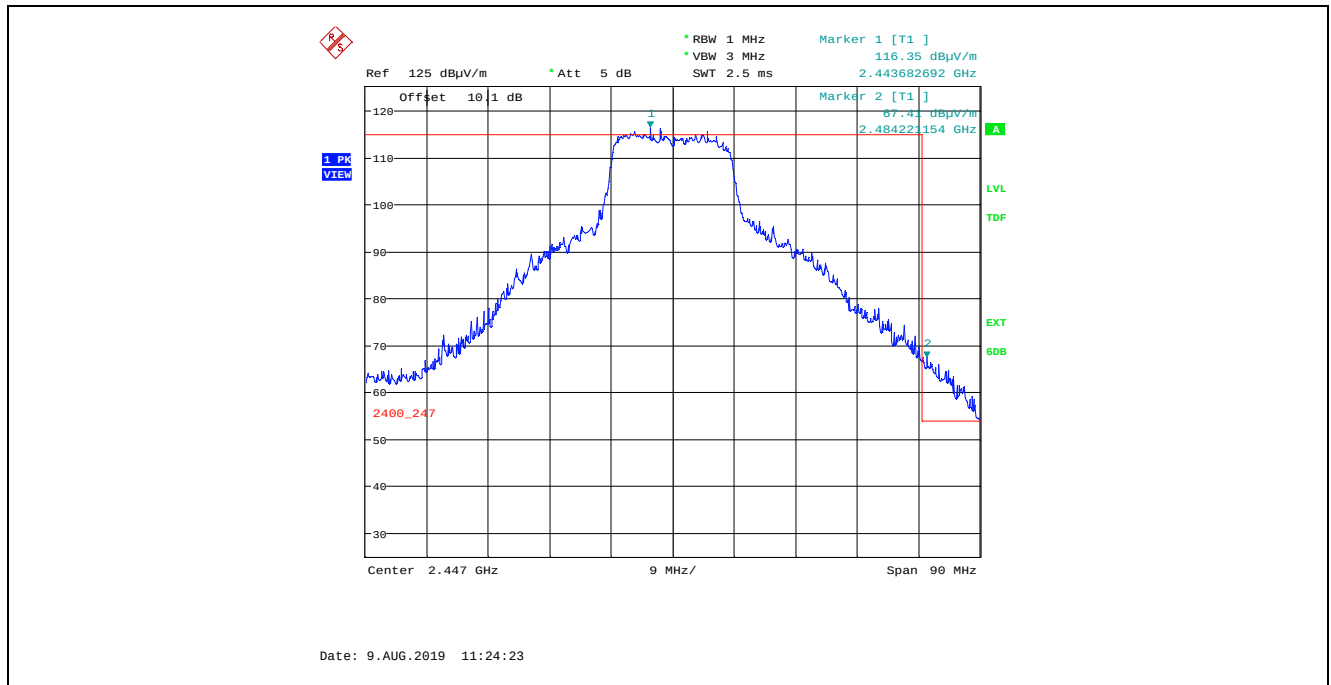
Plot 5.4.4.2.4.55. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 24, Channel 2, 2417 MHz



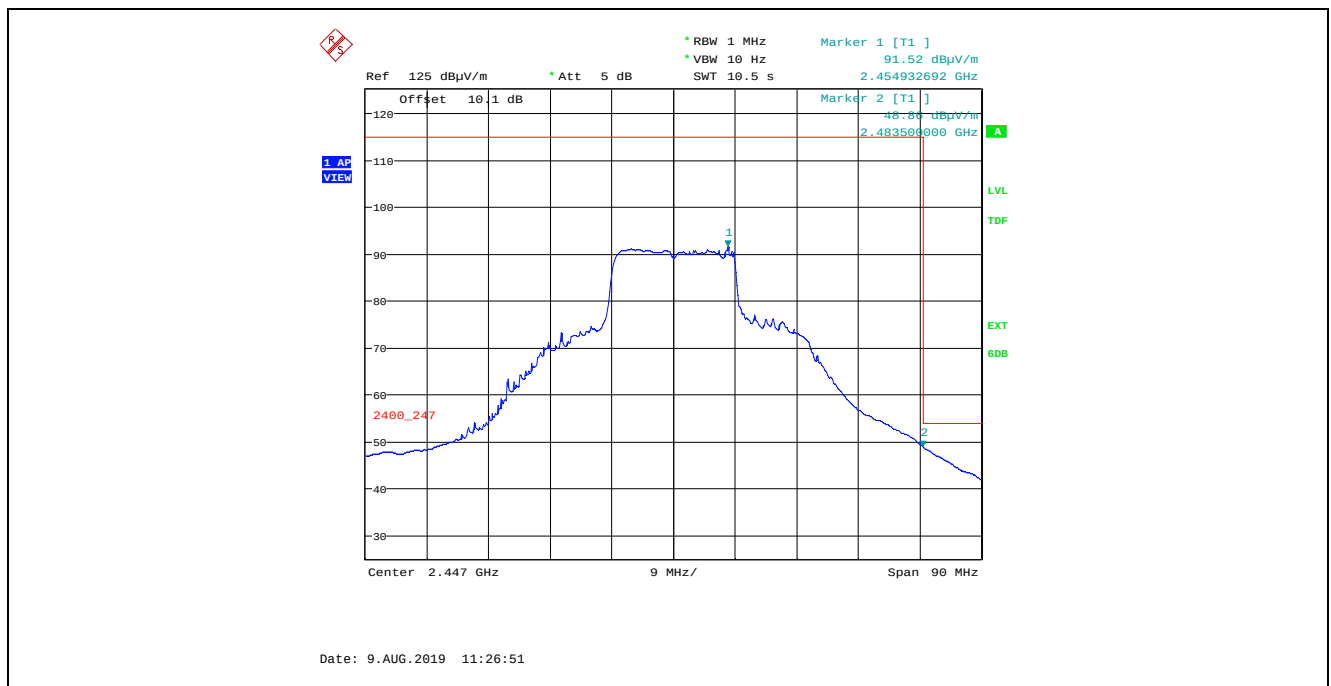
Plot 5.4.4.2.4.56. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 24, Channel 2, 2417 MHz



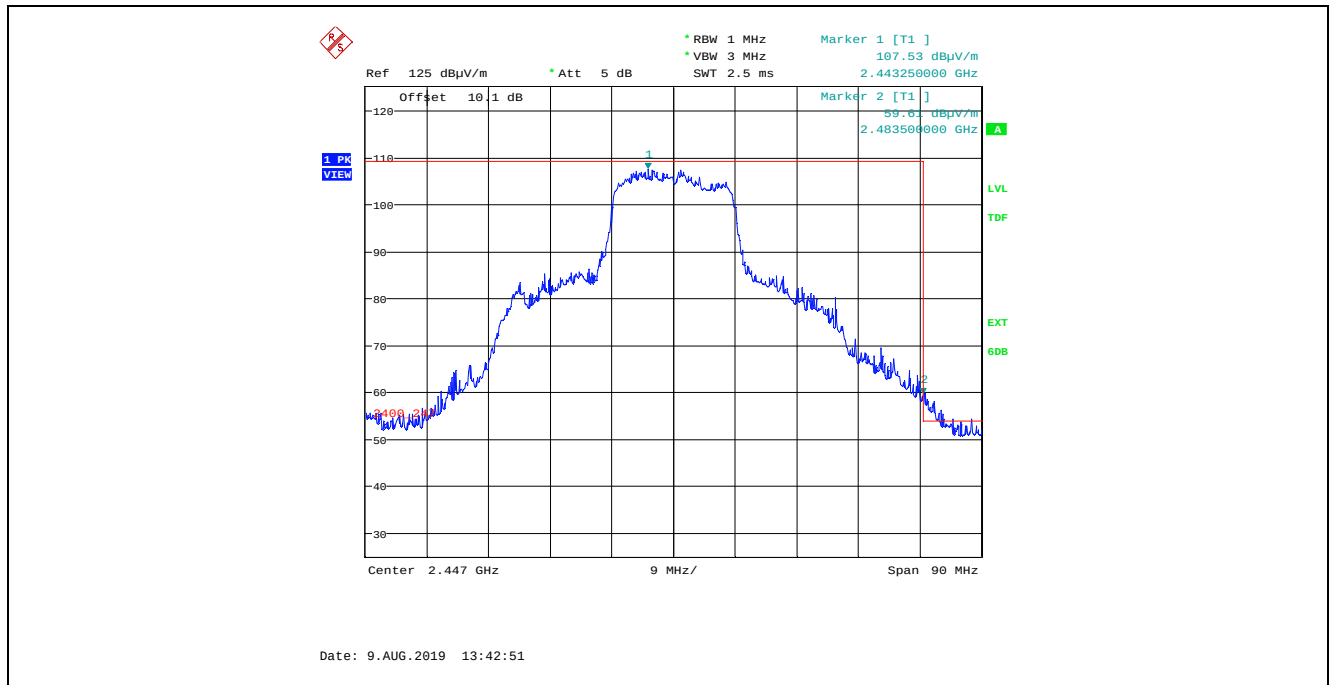
Plot 5.4.4.2.4.57. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM ¾ 39.0Mbps, Power Setting 24, Channel 8, 2447 MHz



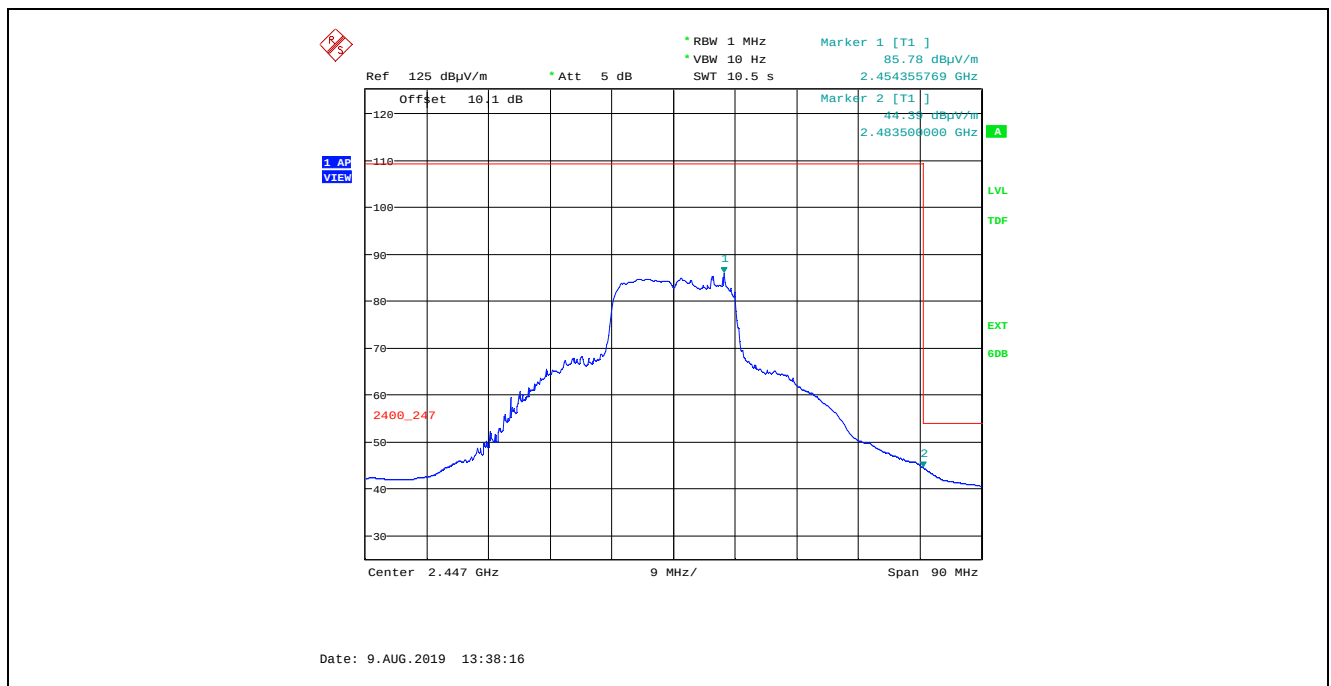
Plot 5.4.4.2.4.58. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM ¾ 39.0Mbps, Power Setting 24, Channel 8, 2447 MHz



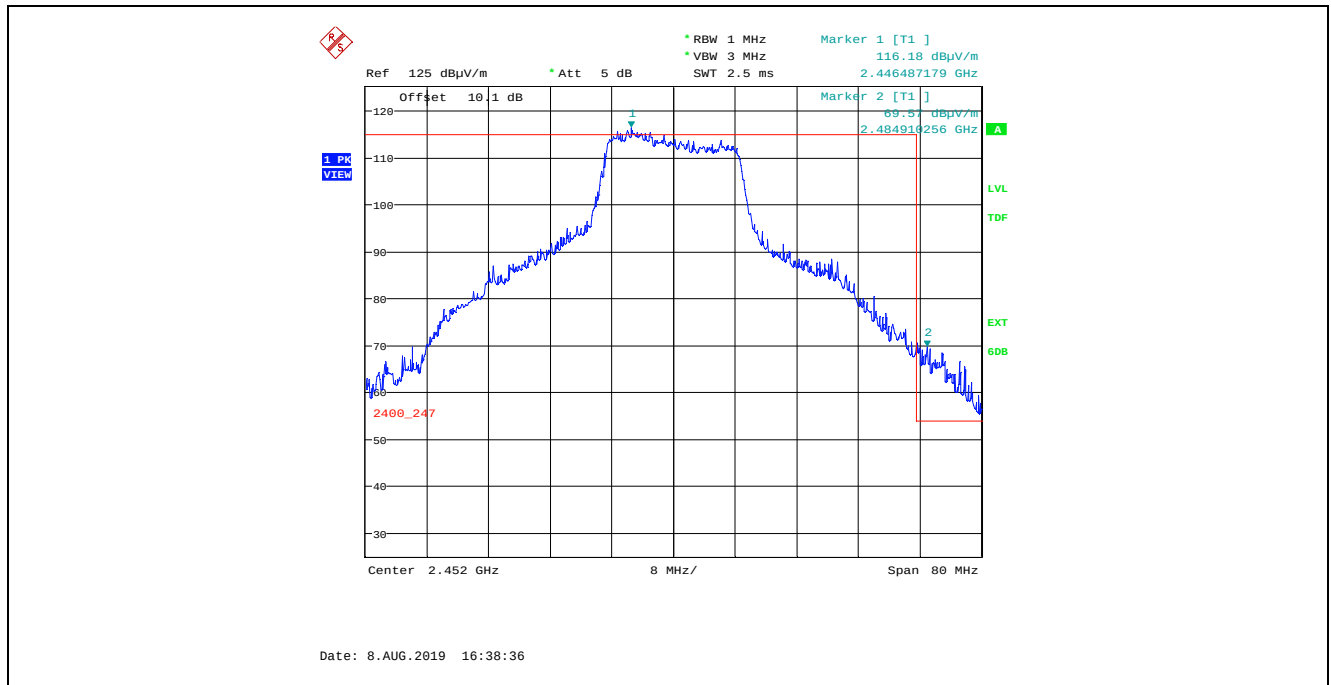
Plot 5.4.4.2.4.59. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 24, Channel 8, 2447 MHz



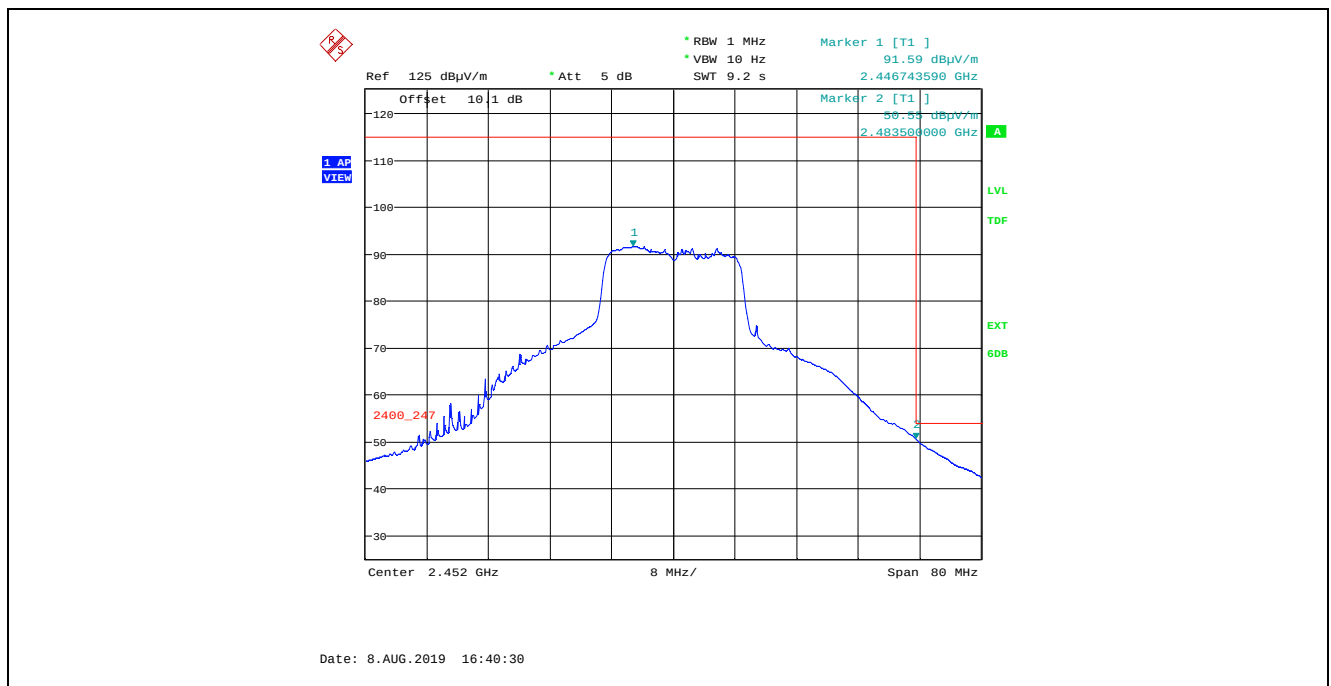
Plot 5.4.4.2.4.60. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 24, Channel 8, 2447 MHz



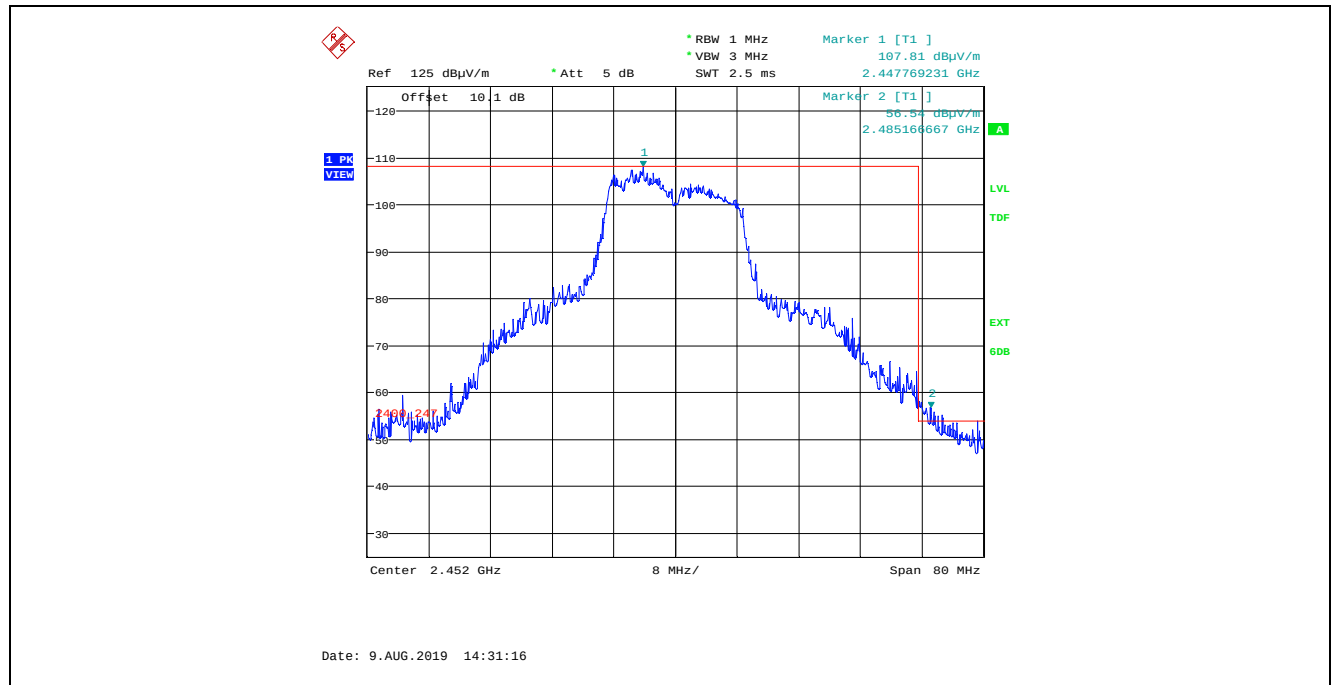
Plot 5.4.4.2.4.61. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 21, Channel 9, 2452 MHz



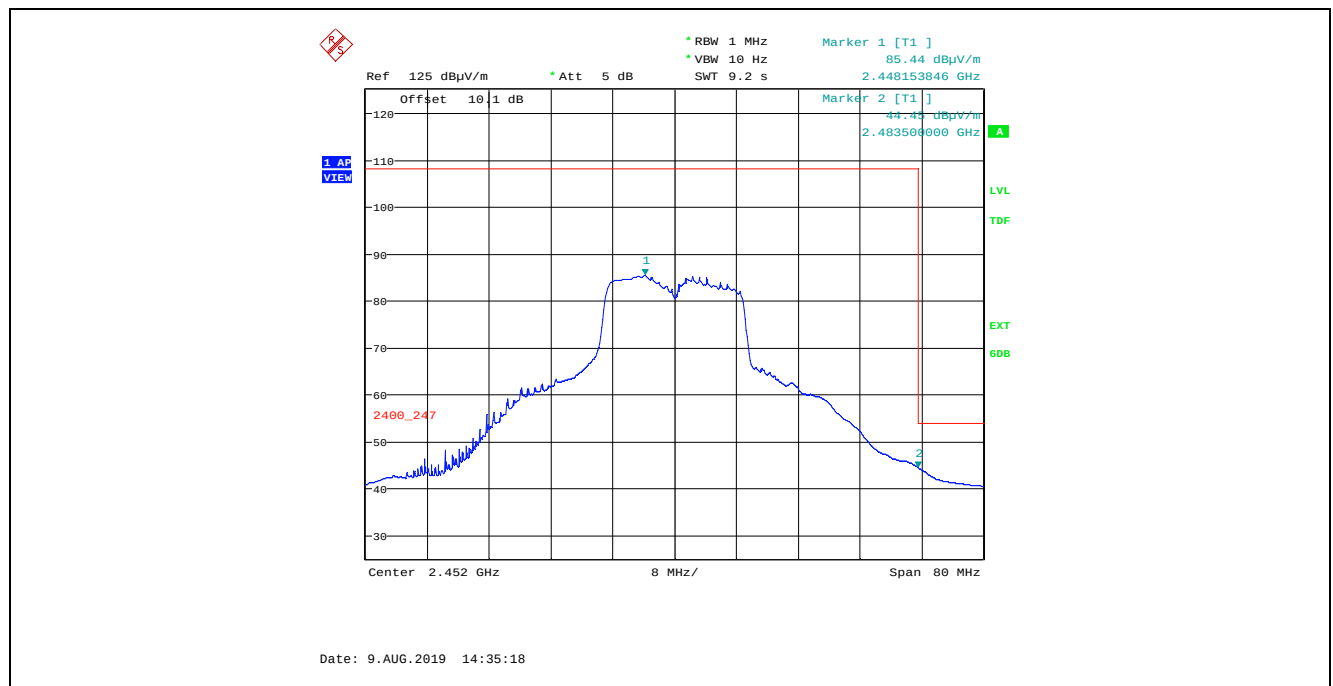
Plot 5.4.4.2.4.62. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 21, Channel 9, 2452 MHz



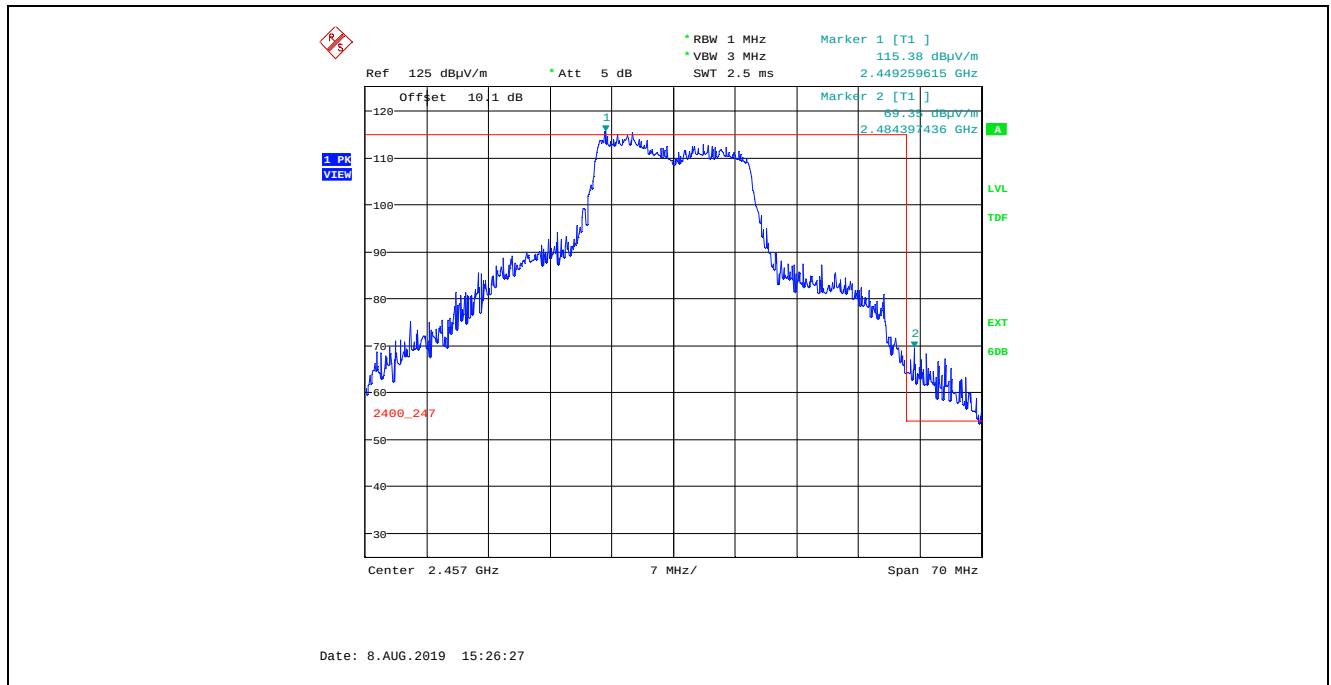
Plot 5.4.4.2.4.63. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 21, Channel 9, 2452 MHz



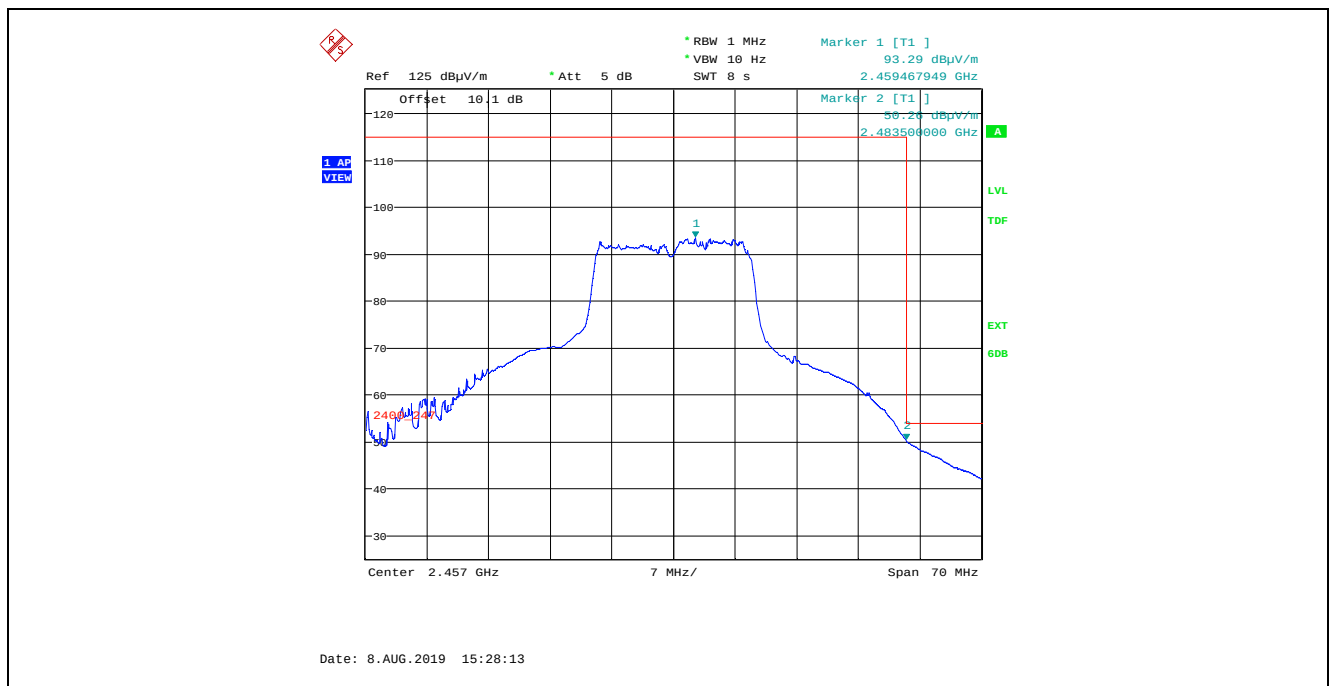
Plot 5.4.4.2.4.64. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 21, Channel 9, 2452 MHz



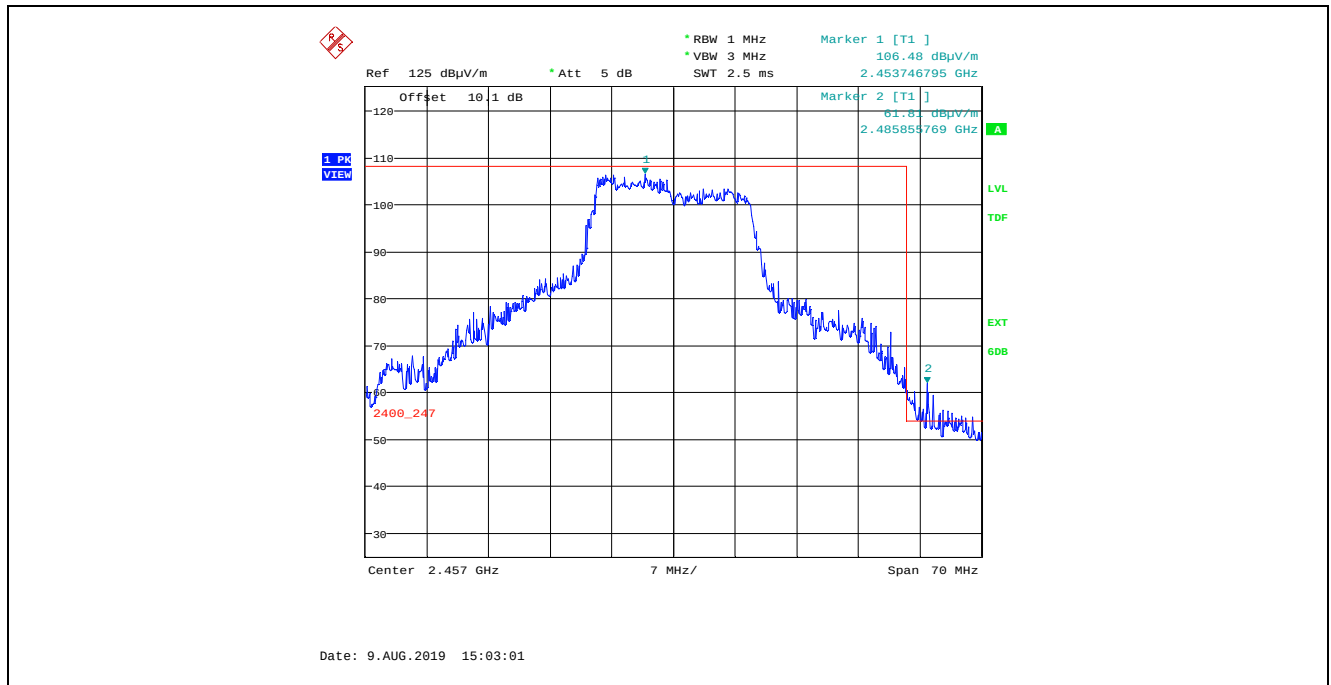
Plot 5.4.4.2.4.65. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM ¾ 39.0Mbps, Power Setting 21, Channel 10, 2457 MHz



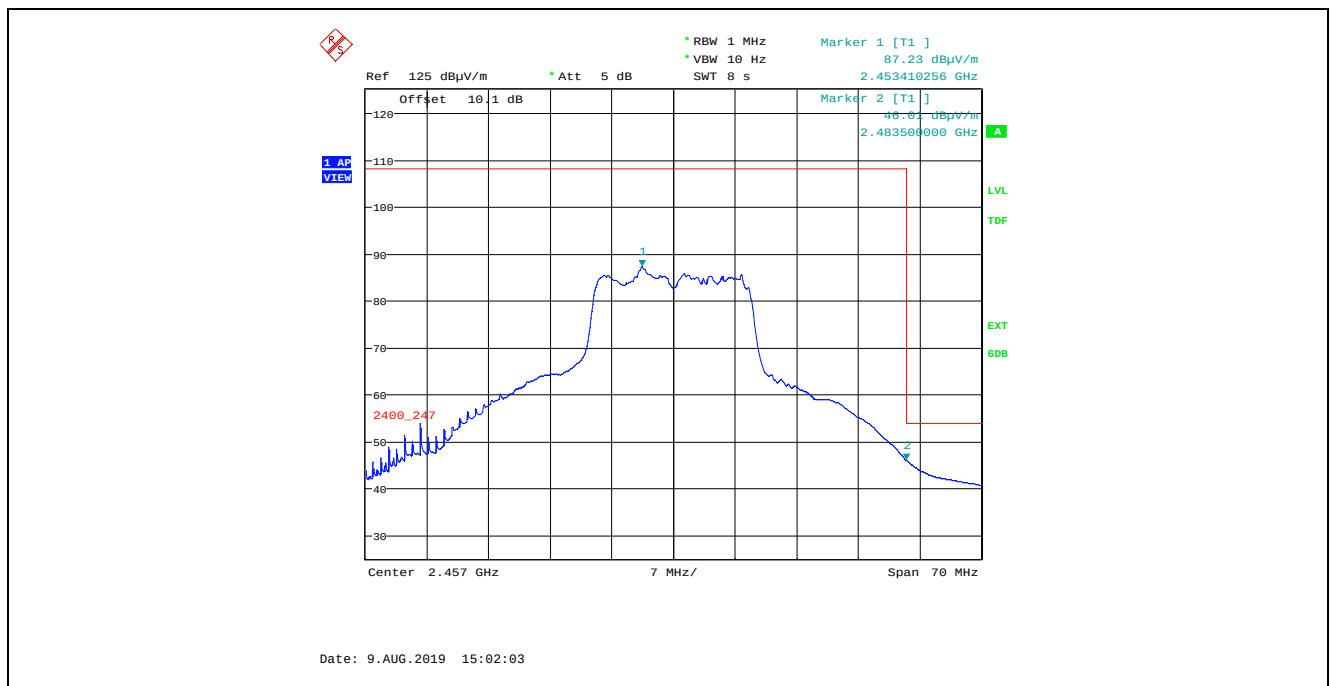
Plot 5.4.4.2.4.66. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM ¾ 39.0Mbps, Power Setting 21, Channel 10, 2457 MHz



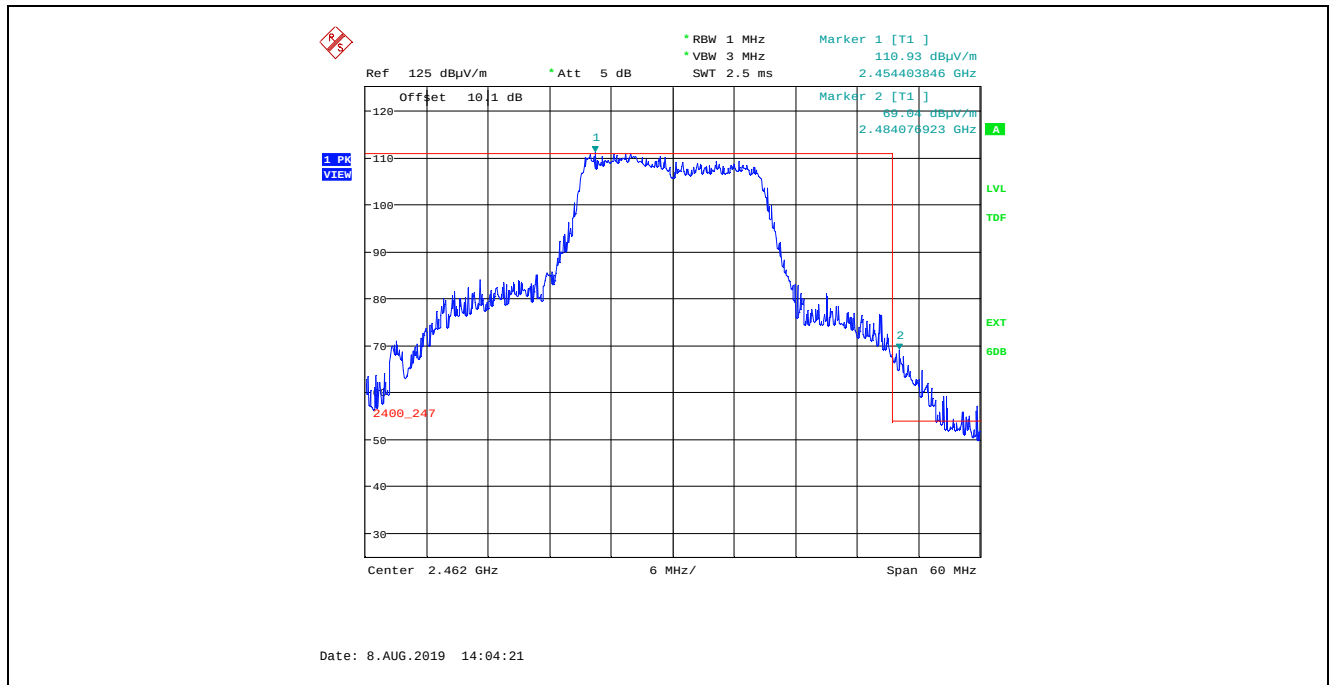
Plot 5.4.4.2.4.67. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM ¾ 39.0Mbps, Power Setting 21, Channel 10, 2457 MHz



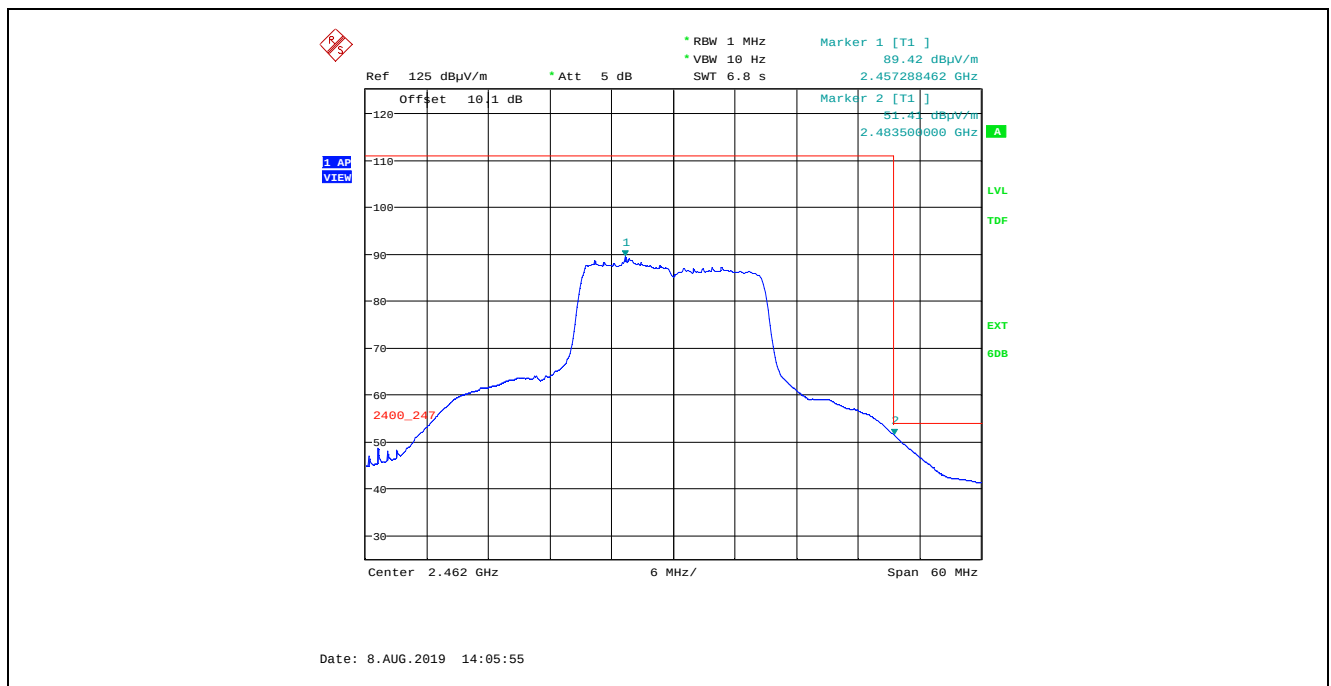
Plot 5.4.4.2.4.68. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM ¾ 39.0Mbps, Power Setting 21, Channel 10, 2457 MHz



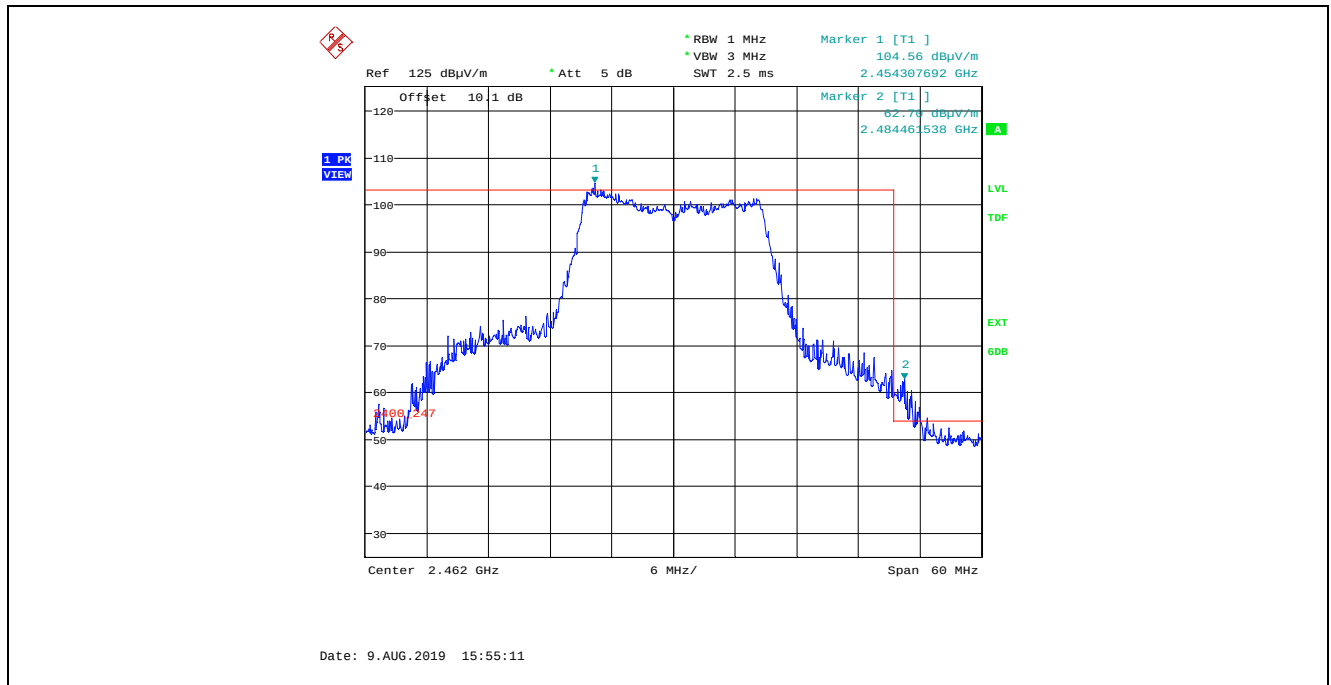
Plot 5.4.4.2.4.69. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 18, Channel 11, 2462 MHz



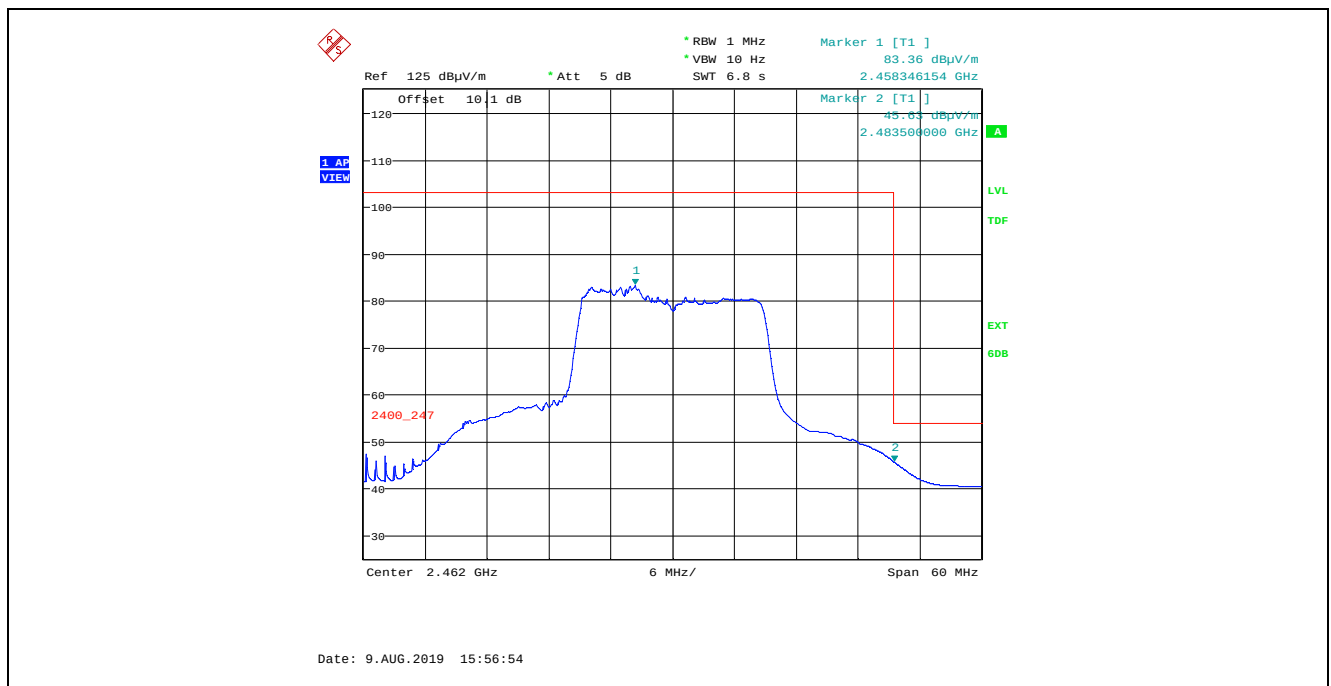
Plot 5.4.4.2.4.70. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 39.0Mbps, Power Setting 18, Channel 11, 2462 MHz



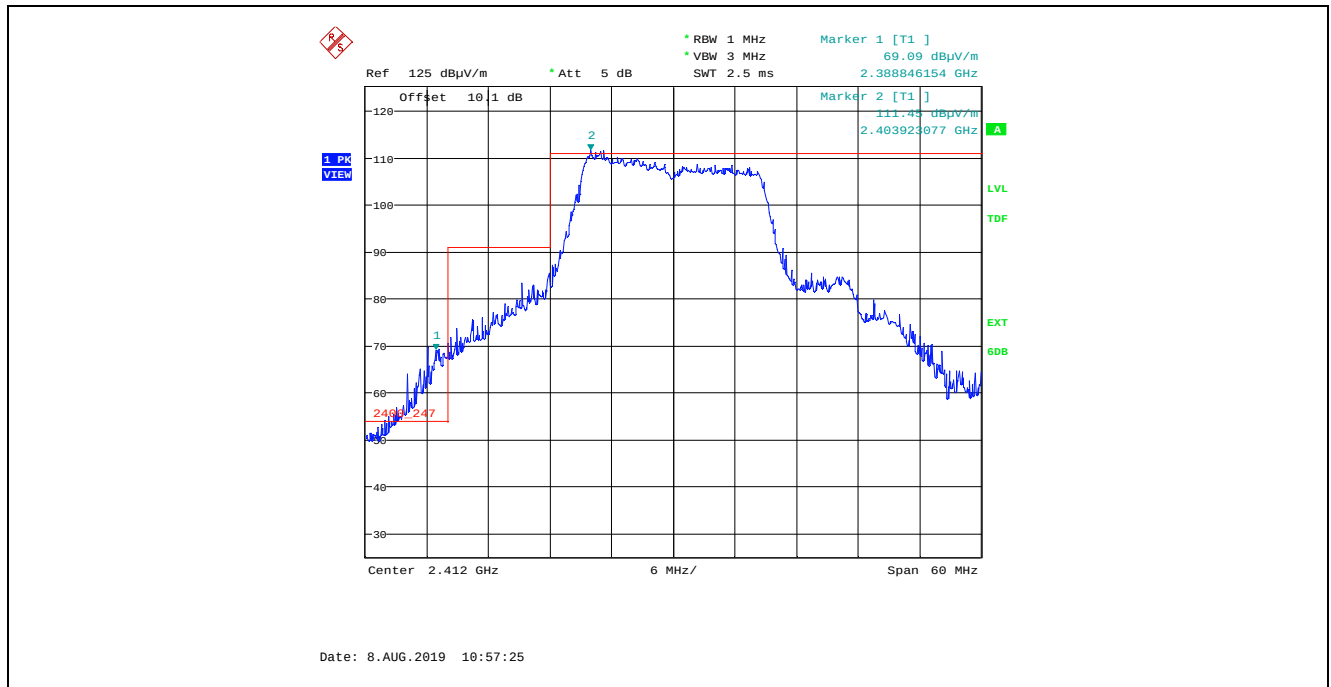
Plot 5.4.4.2.4.71. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 4, 16-QAM ¾ 39.0Mbps, Power Setting 18, Channel 11, 2462 MHz



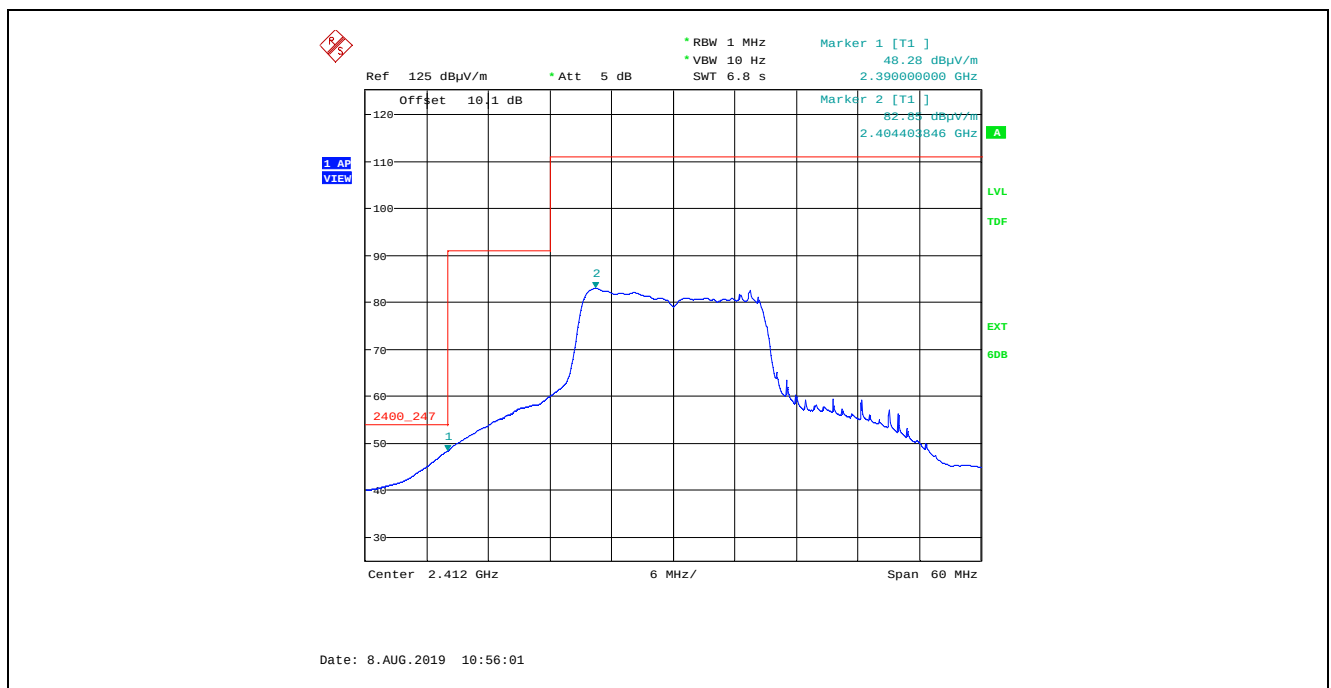
Plot 5.4.4.2.4.72. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 4, 16-QAM ¾ 39.0Mbps, Power Setting 18, Channel 11, 2462 MHz



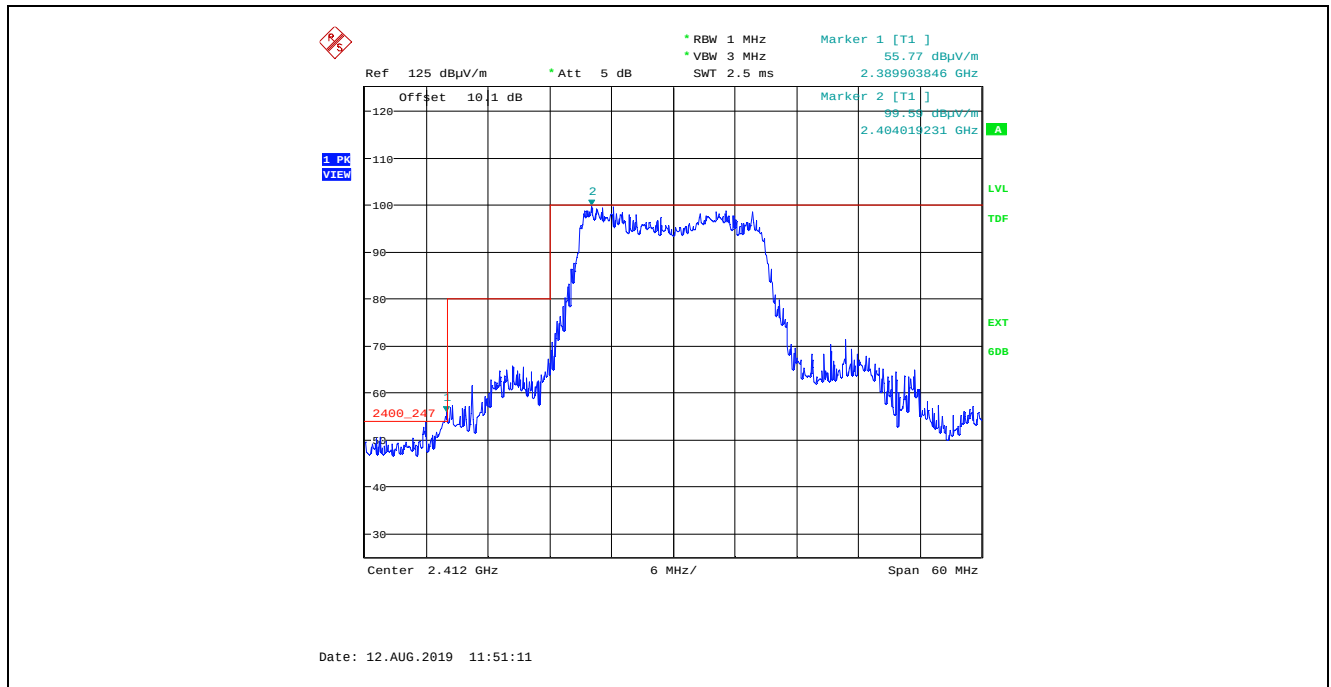
Plot 5.4.4.2.4.73. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 19, Channel 1, 2412 MHz



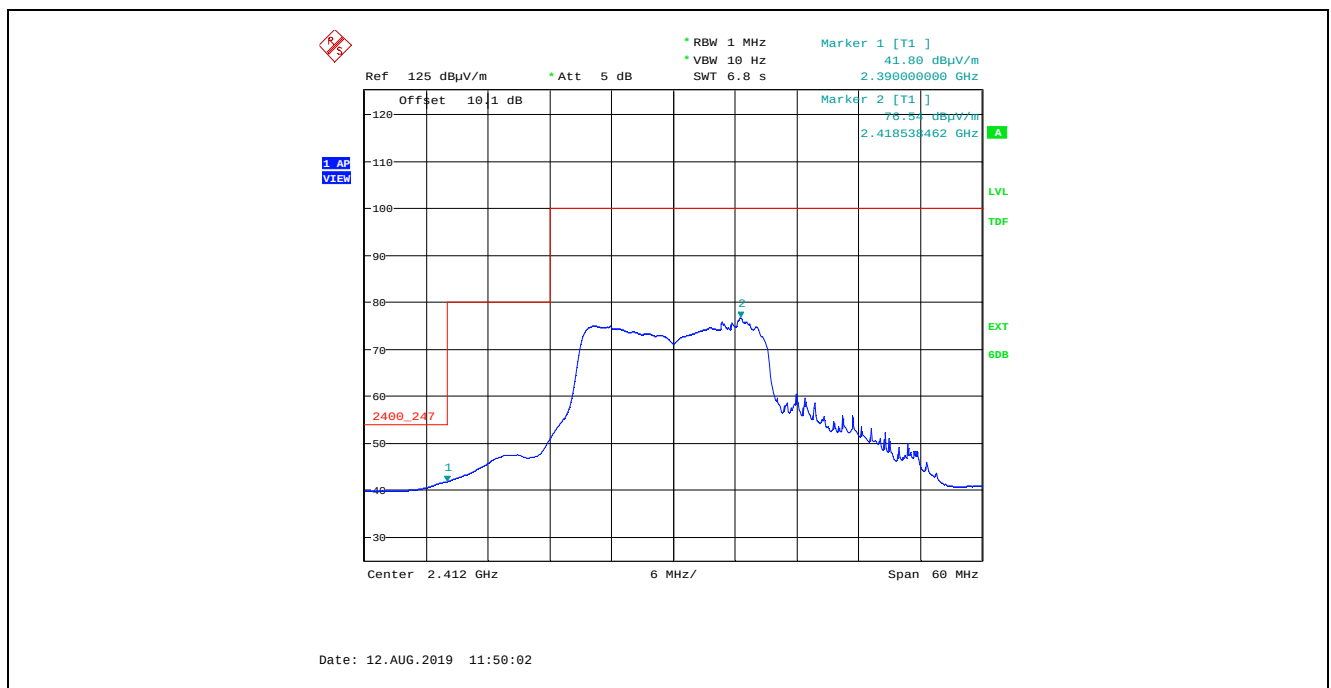
Plot 5.4.4.2.4.74. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 19, Channel 1, 2412 MHz



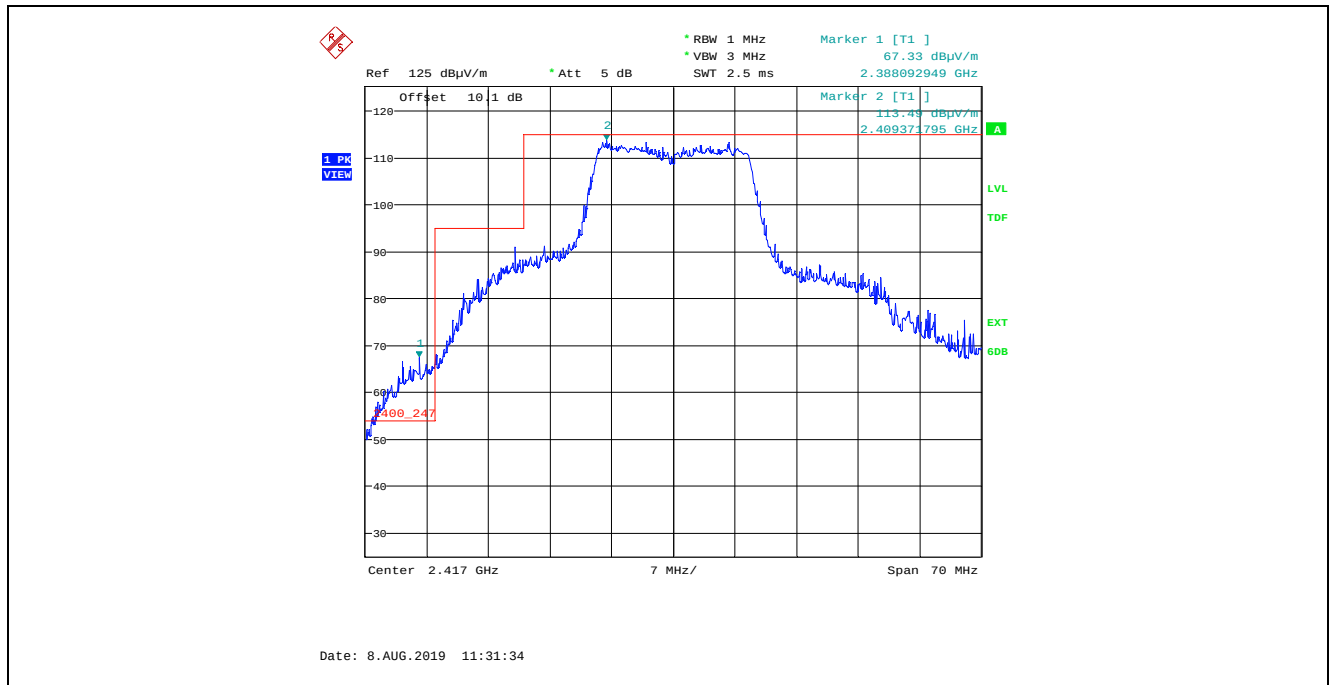
Plot 5.4.4.2.4.75. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 19, Channel 1, 2412 MHz



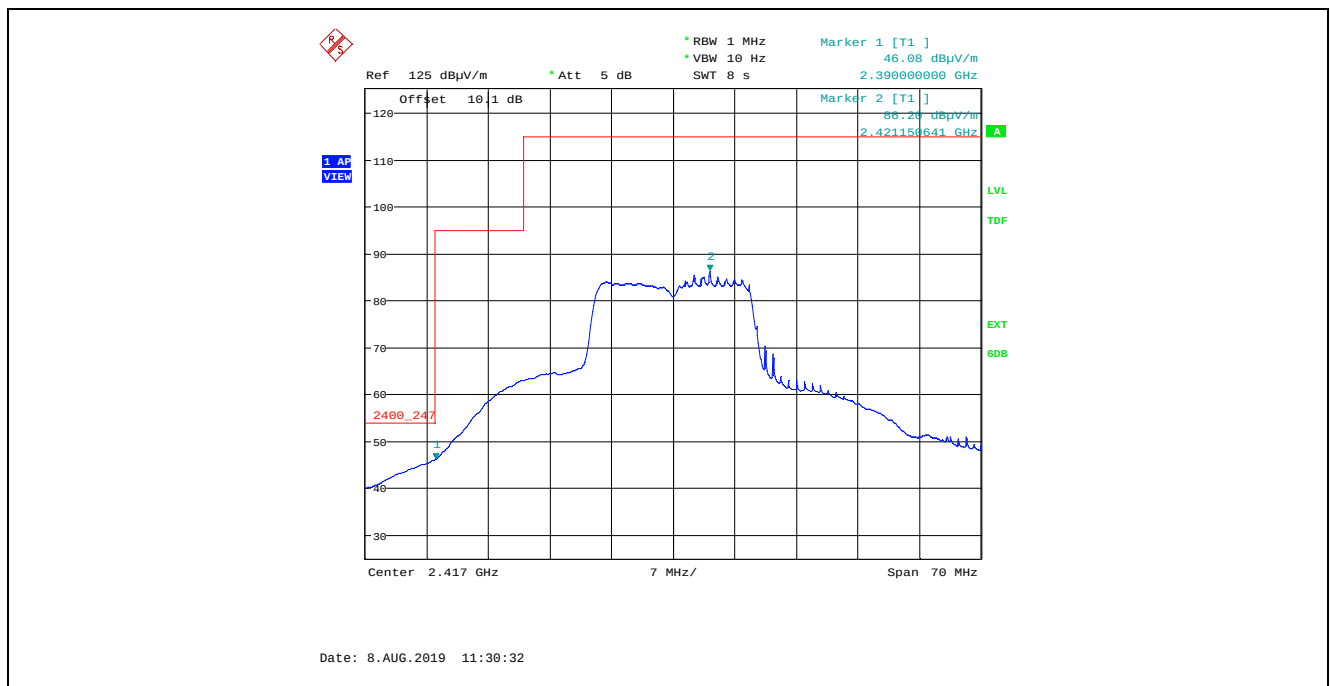
Plot 5.4.4.2.4.76. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 19, Channel 1, 2412 MHz



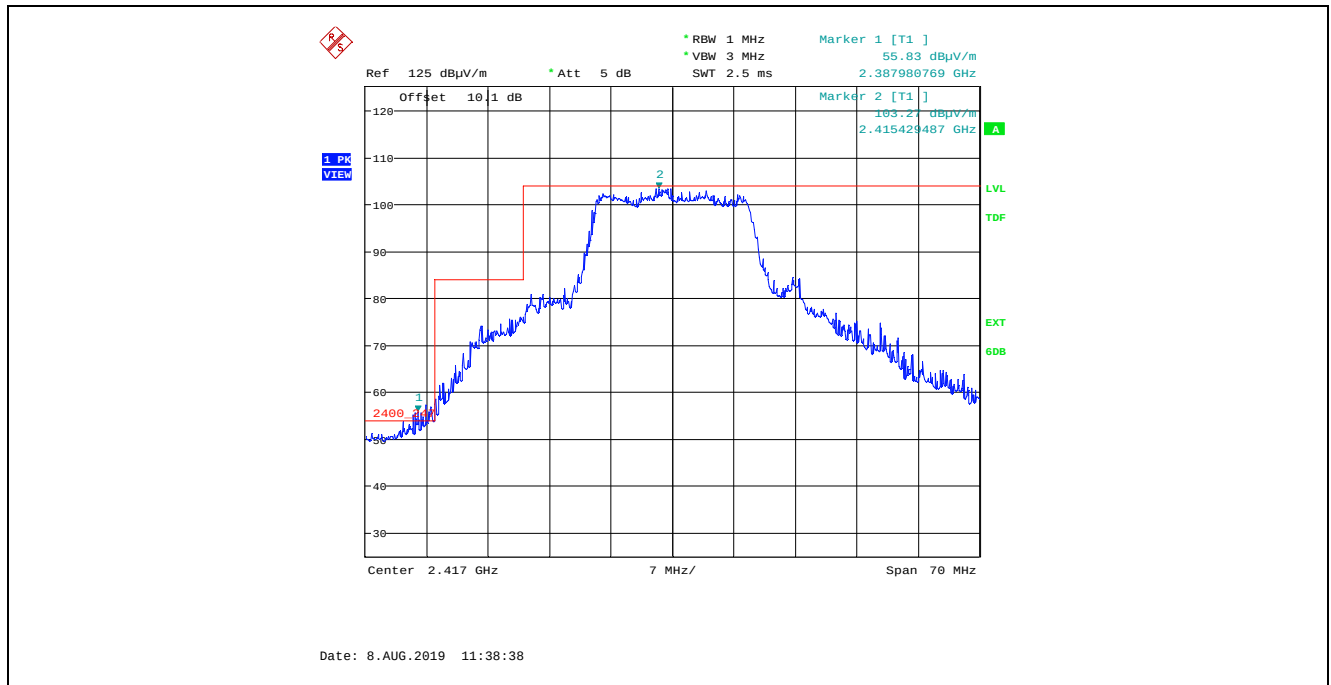
Plot 5.4.4.2.4.77. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 24, Channel 2, 2417 MHz



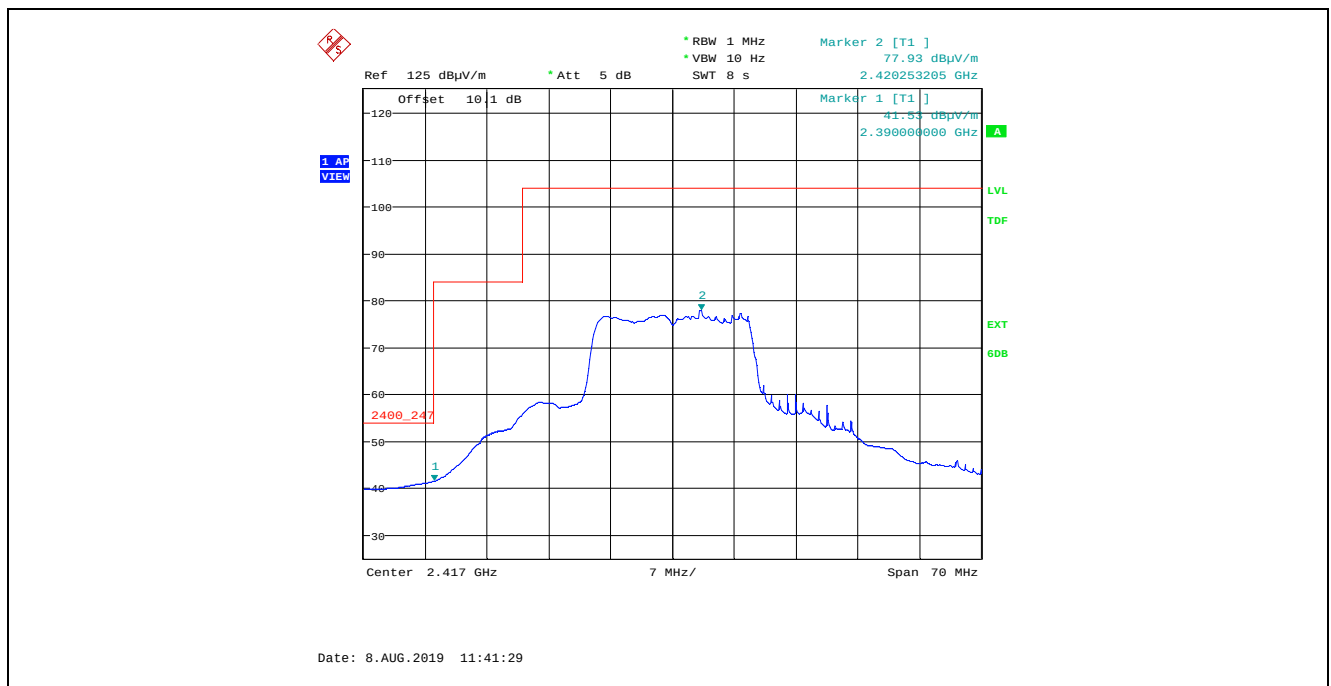
Plot 5.4.4.2.4.78. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 24, Channel 2, 2417 MHz



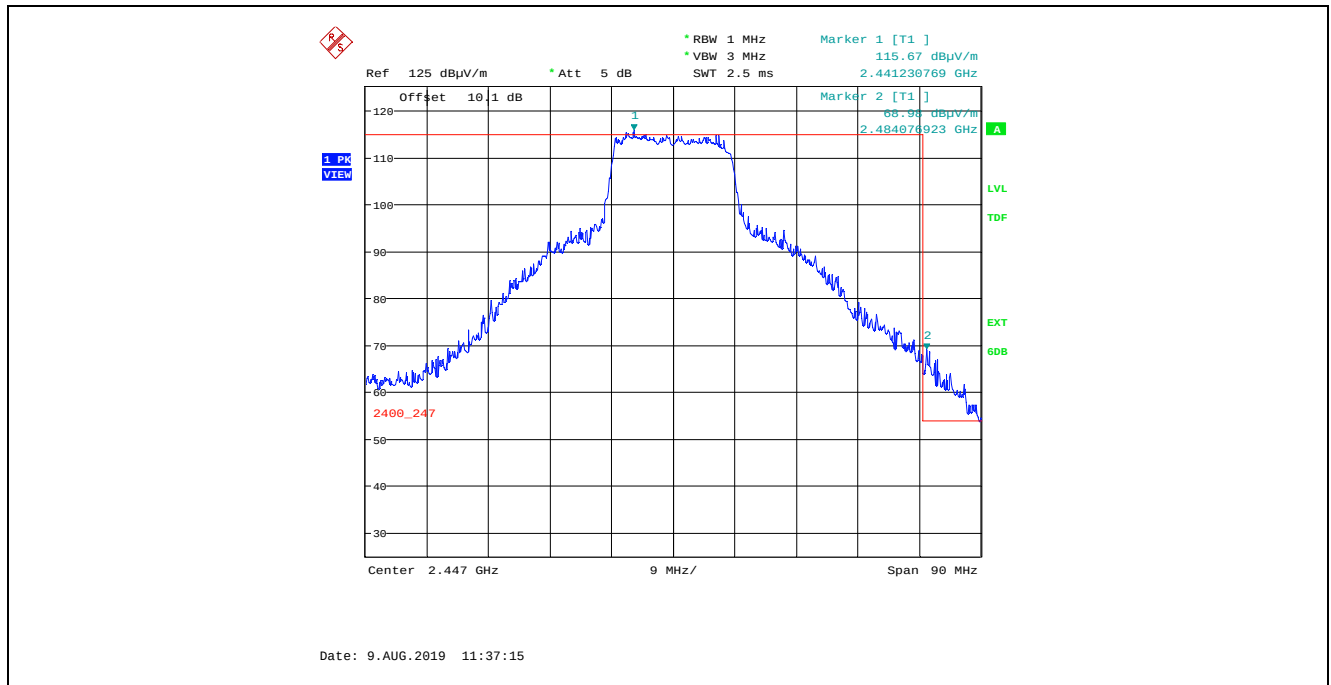
Plot 5.4.4.2.4.79. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 24, Channel 2, 2417 MHz



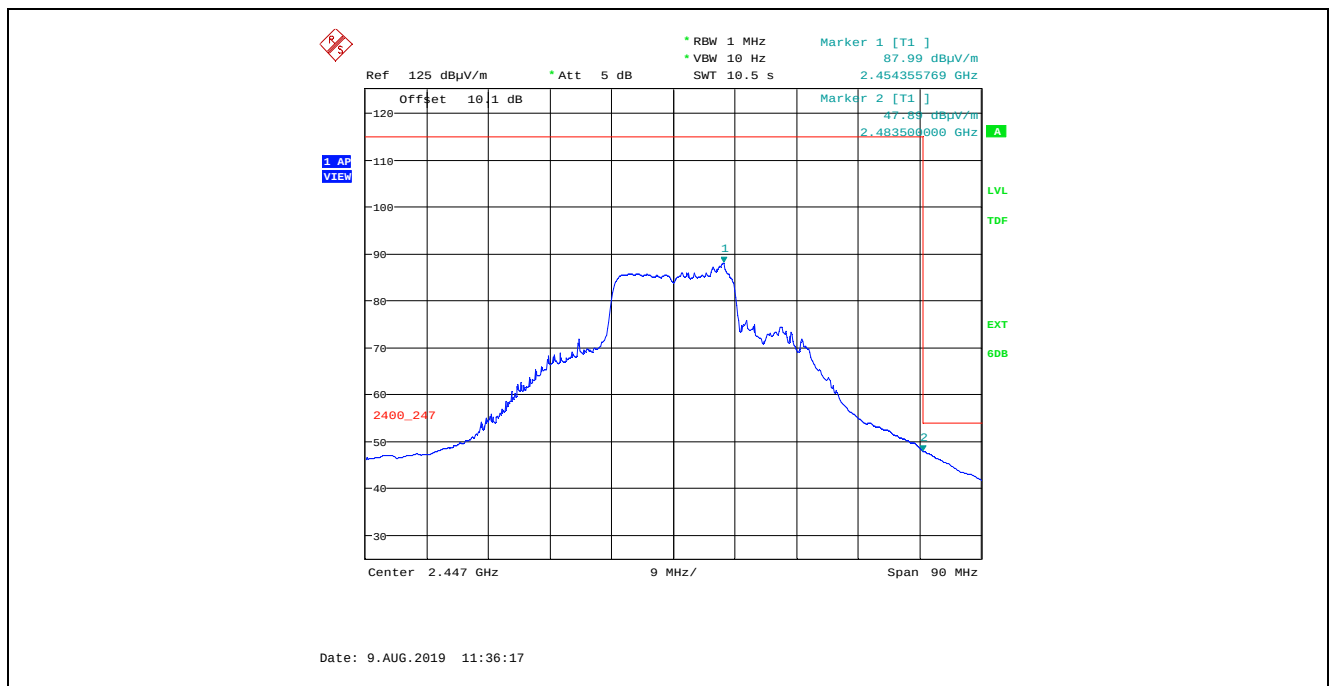
Plot 5.4.4.2.4.80. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 24, Channel 2, 2417 MHz



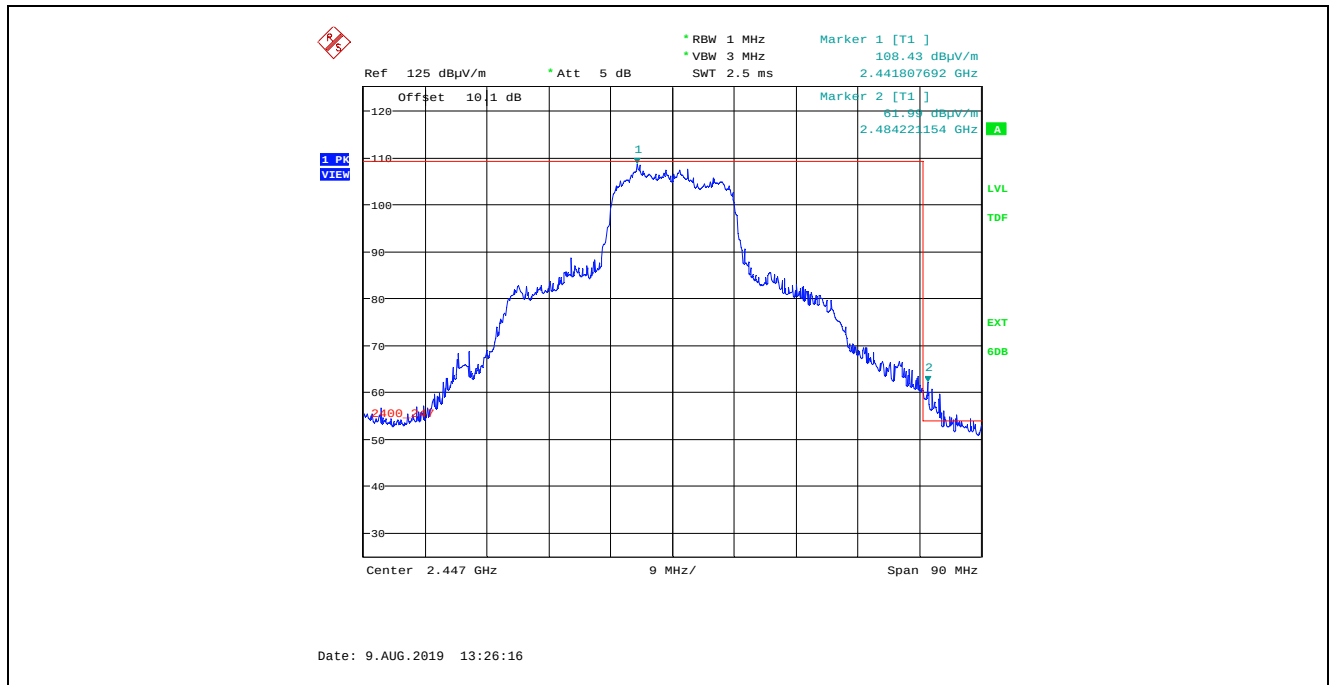
Plot 5.4.4.2.4.81. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 24, Channel 8, 2447 MHz



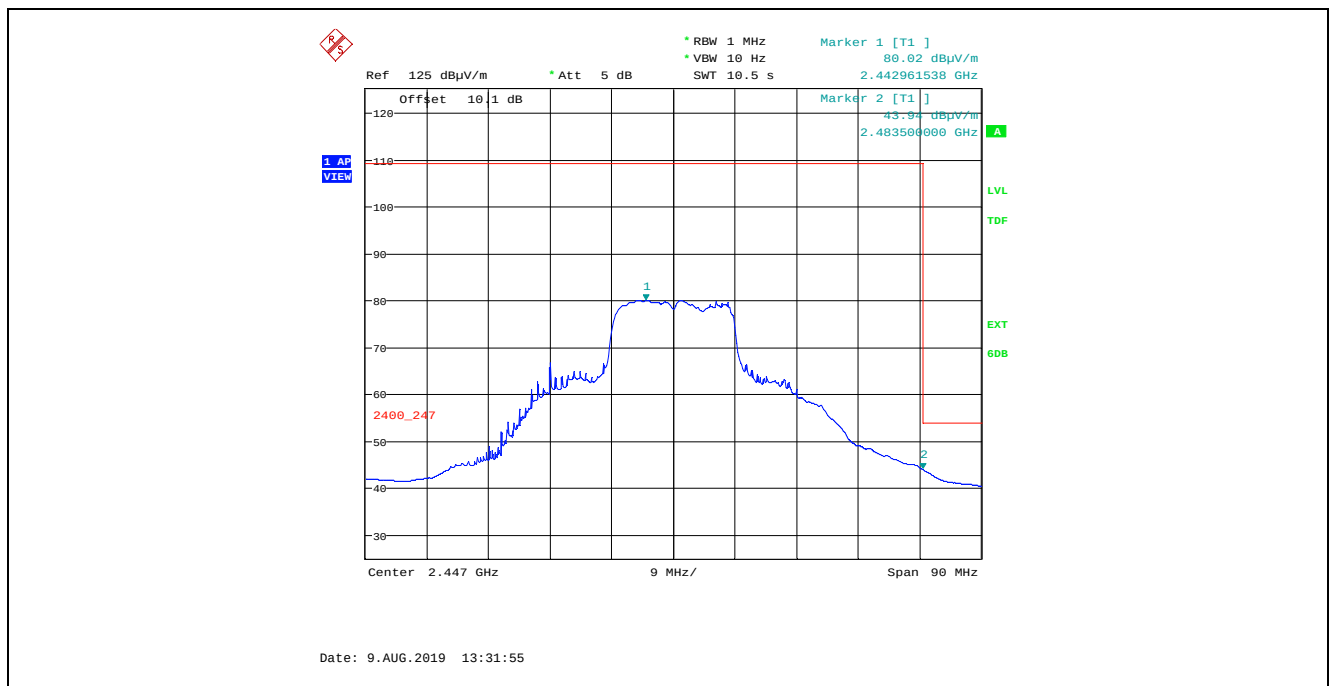
Plot 5.4.4.2.4.82. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 24, Channel 8, 2447 MHz



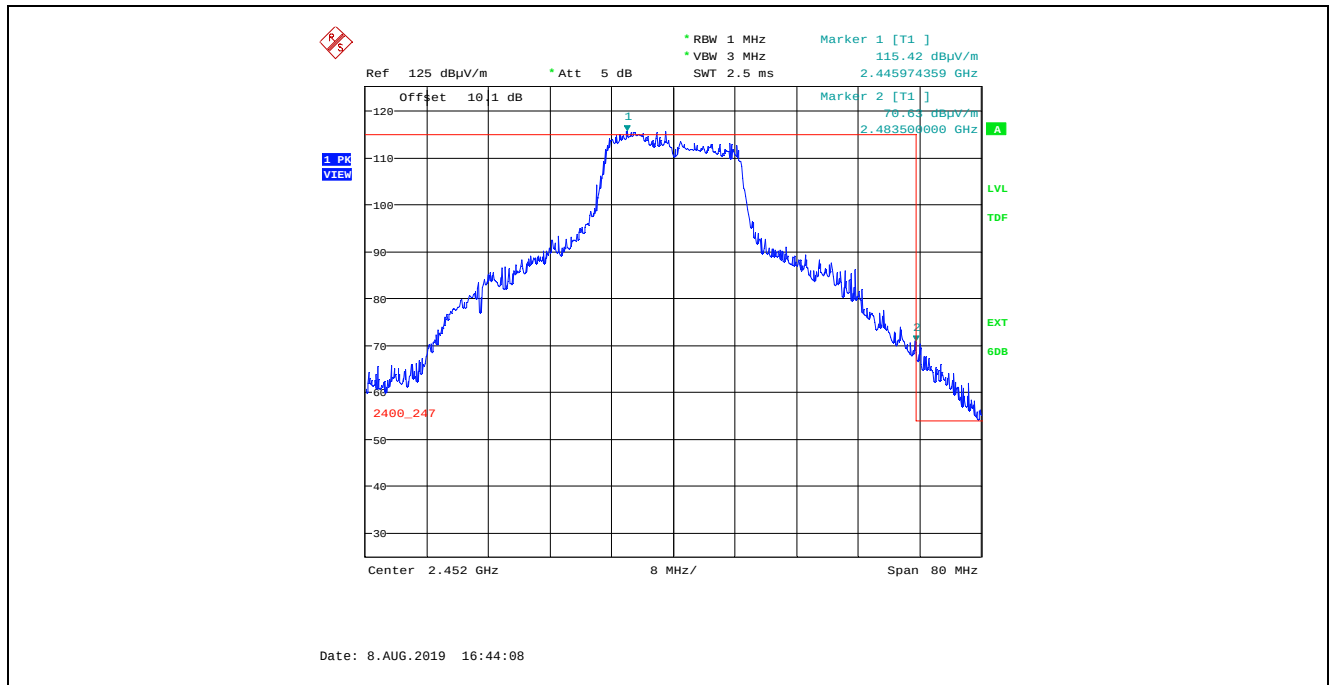
Plot 5.4.4.2.4.83. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 24, Channel 8, 2447 MHz



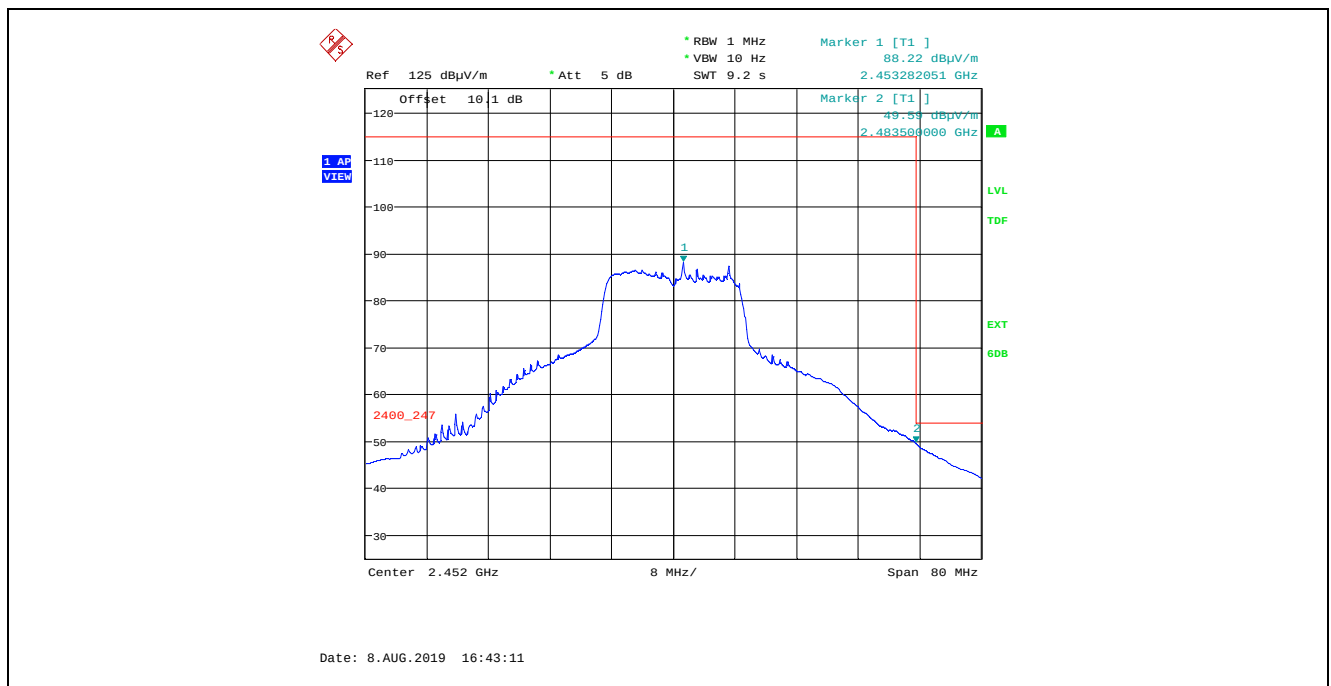
Plot 5.4.4.2.4.84. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 24, Channel 8, 2447 MHz



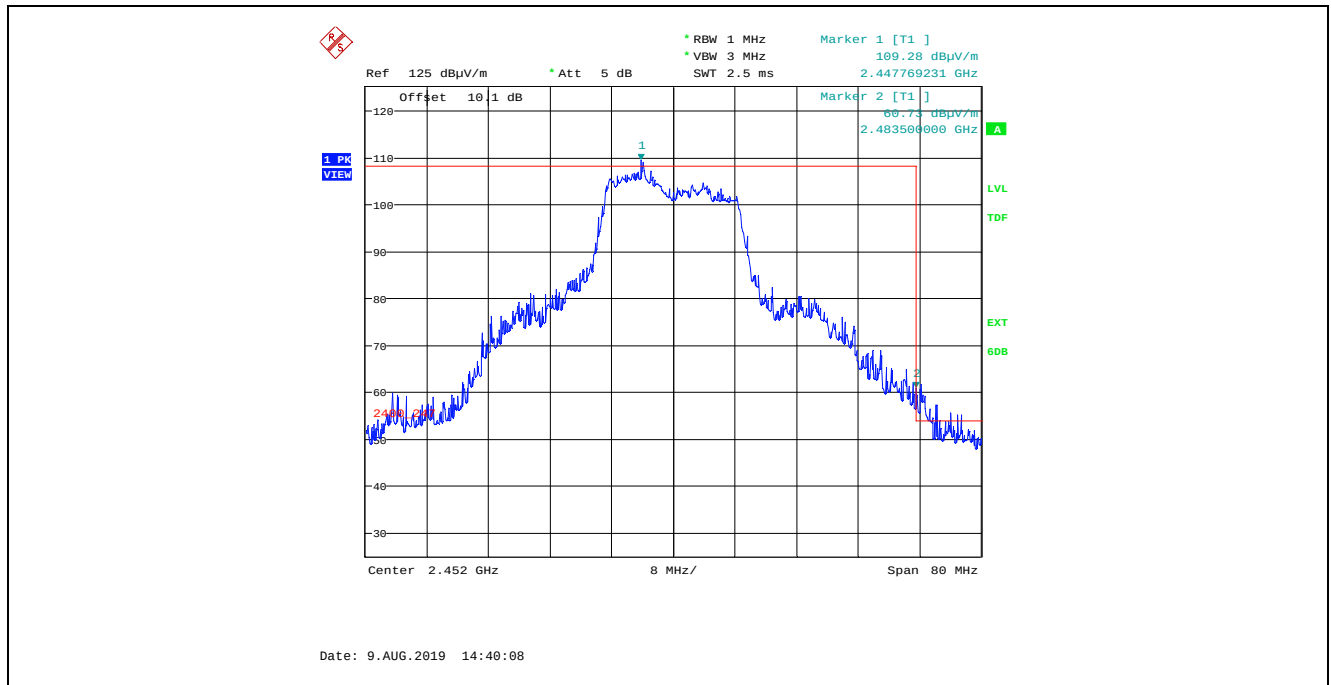
Plot 5.4.4.2.4.85. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 21, Channel 9, 2452 MHz



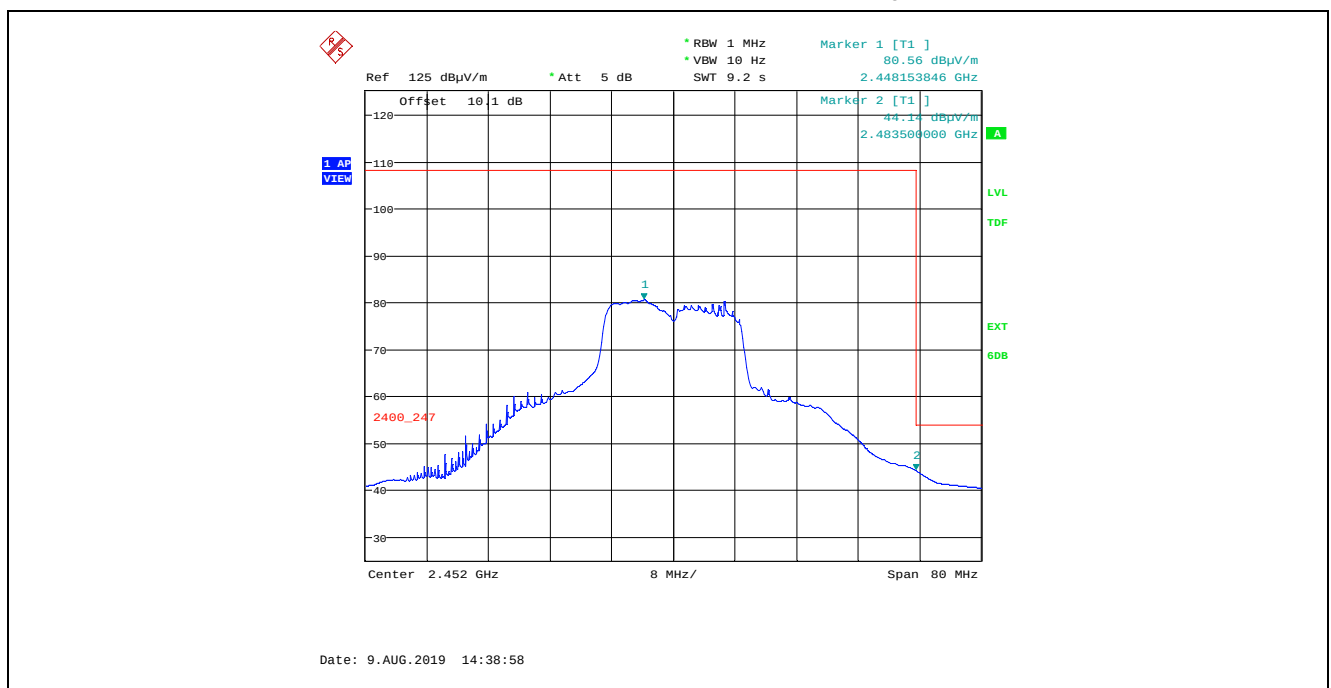
Plot 5.4.4.2.4.86. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 21, Channel 9, 2452 MHz



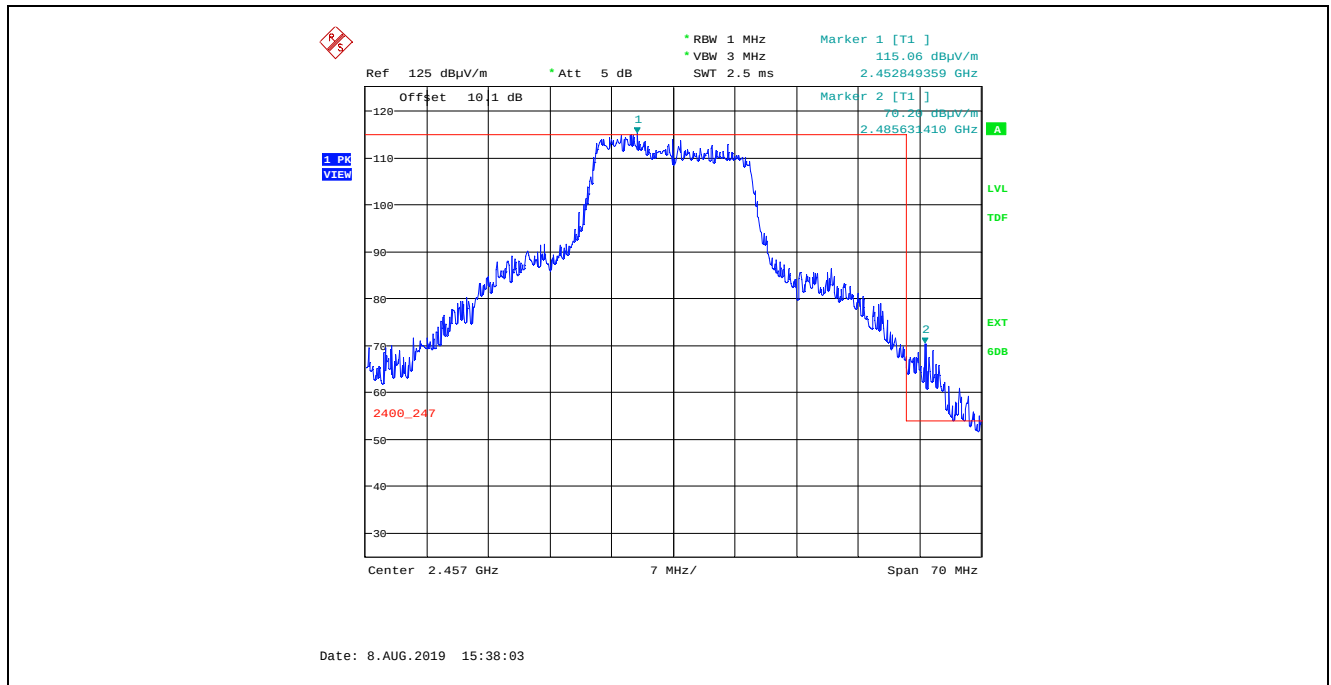
Plot 5.4.4.2.4.87. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 21, Channel 9, 2452 MHz



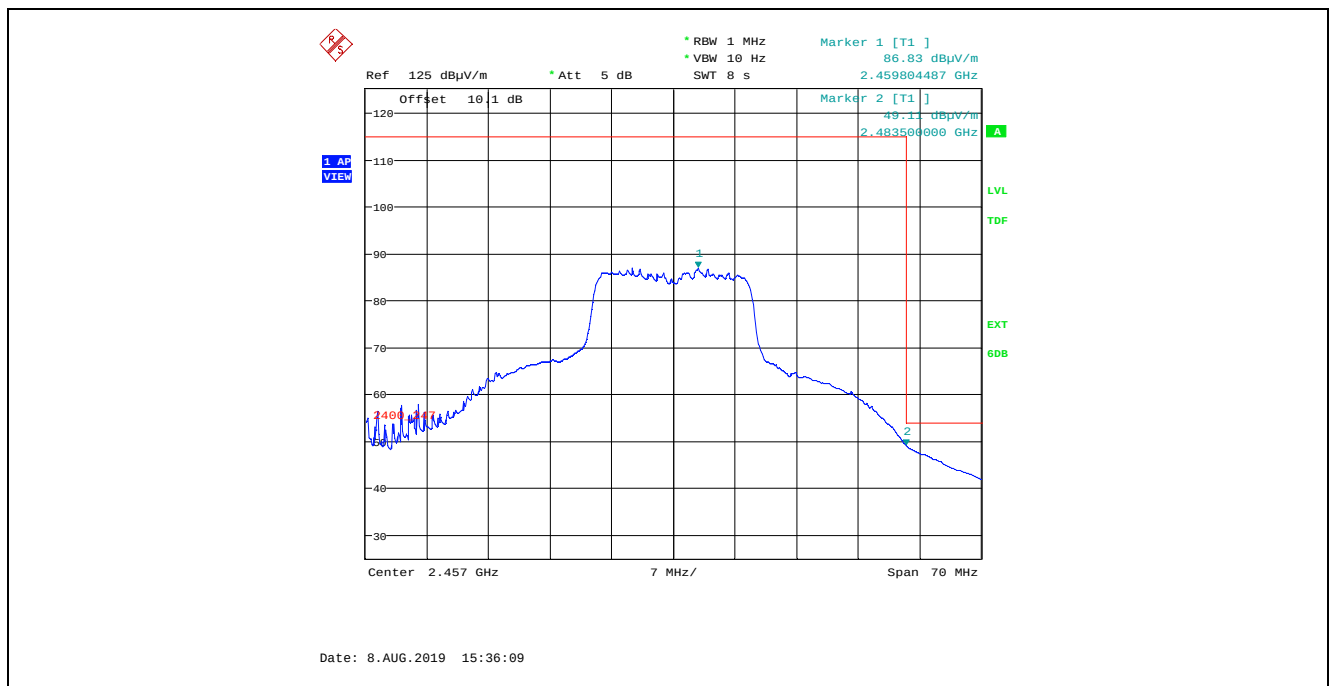
Plot 5.4.4.2.4.88. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 21, Channel 9, 2452 MHz



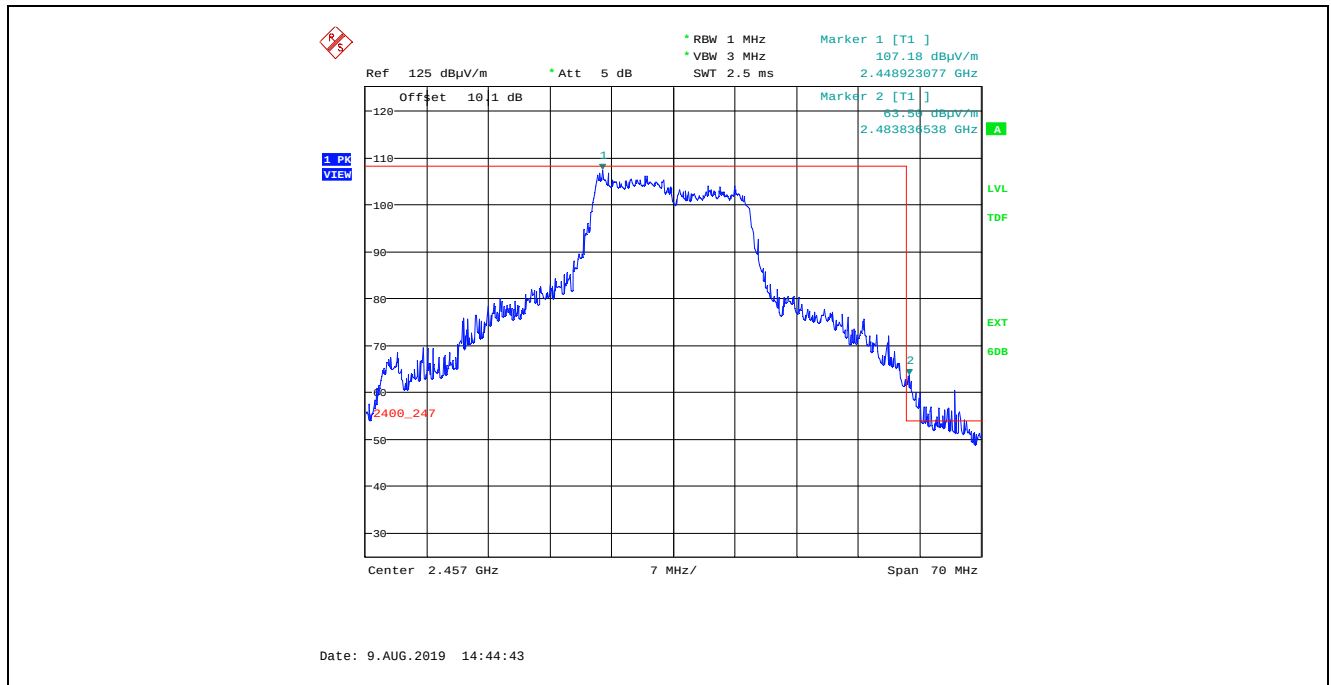
Plot 5.4.4.2.4.89. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 21, Channel 10, 2457 MHz



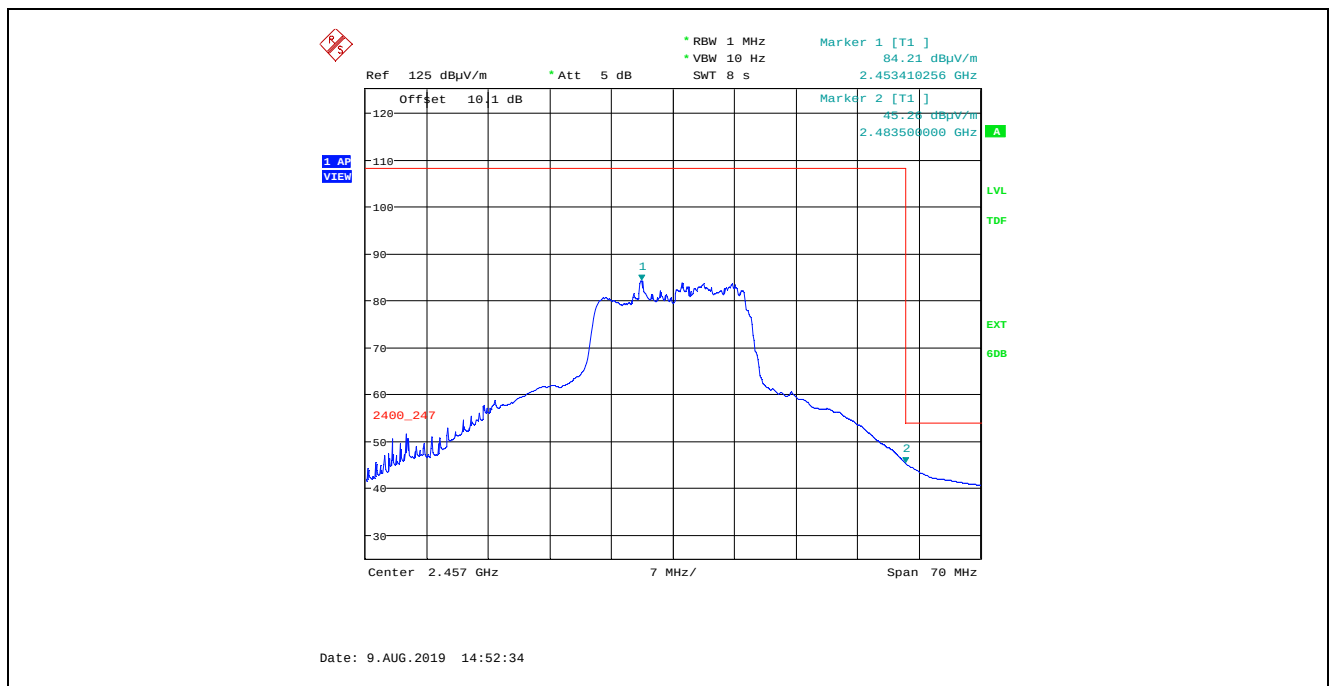
Plot 5.4.4.2.4.90. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 21, Channel 10, 2457 MHz



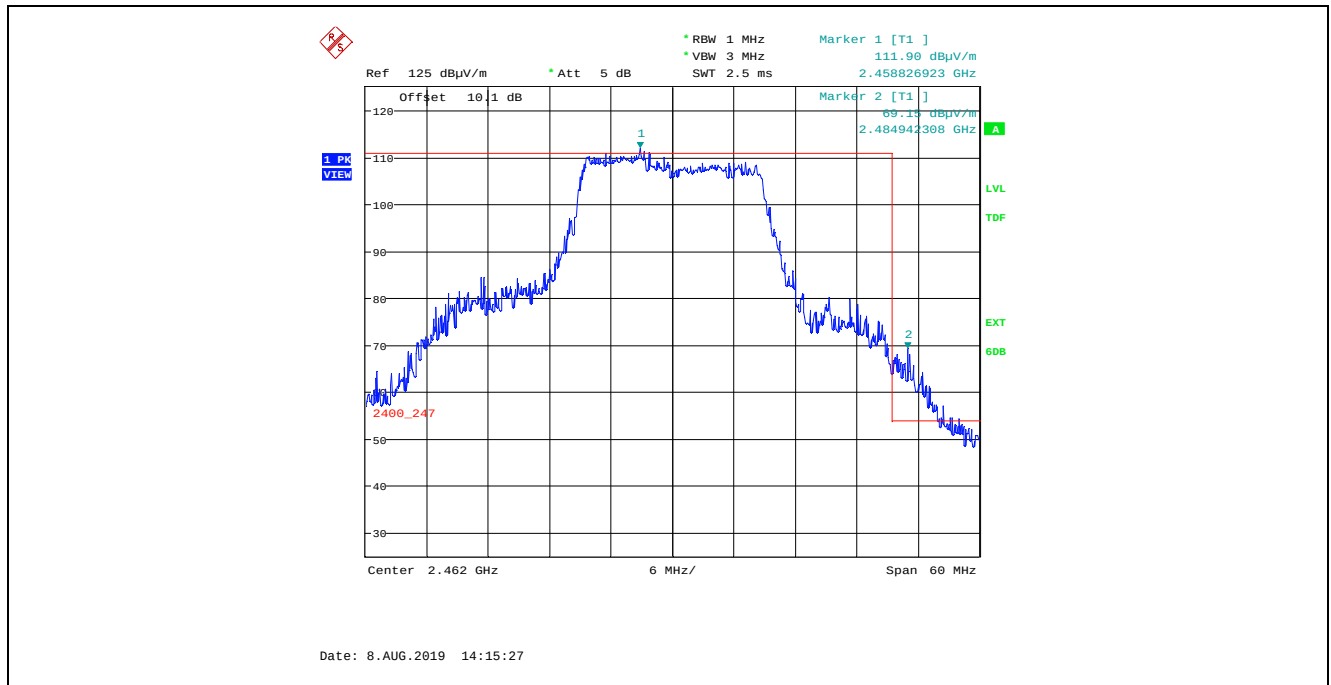
Plot 5.4.4.2.4.91. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 21, Channel 10, 2457 MHz



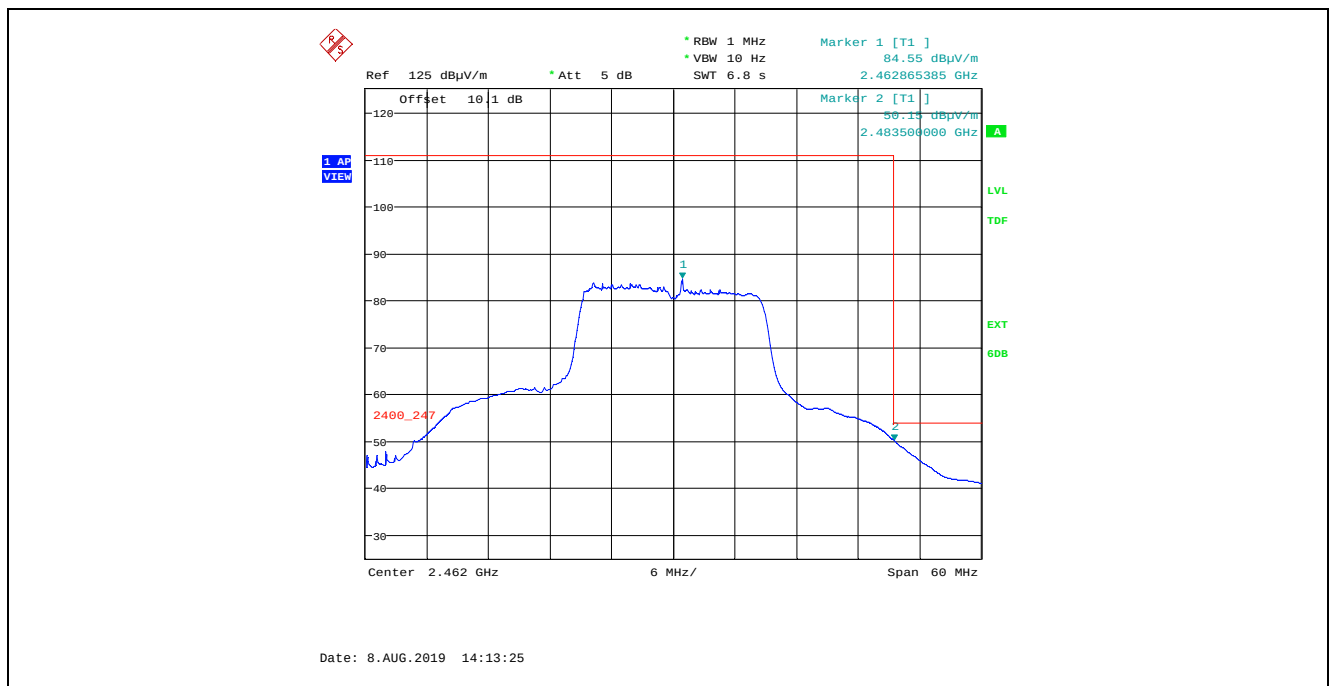
Plot 5.4.4.2.4.92. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 21, Channel 10, 2457 MHz



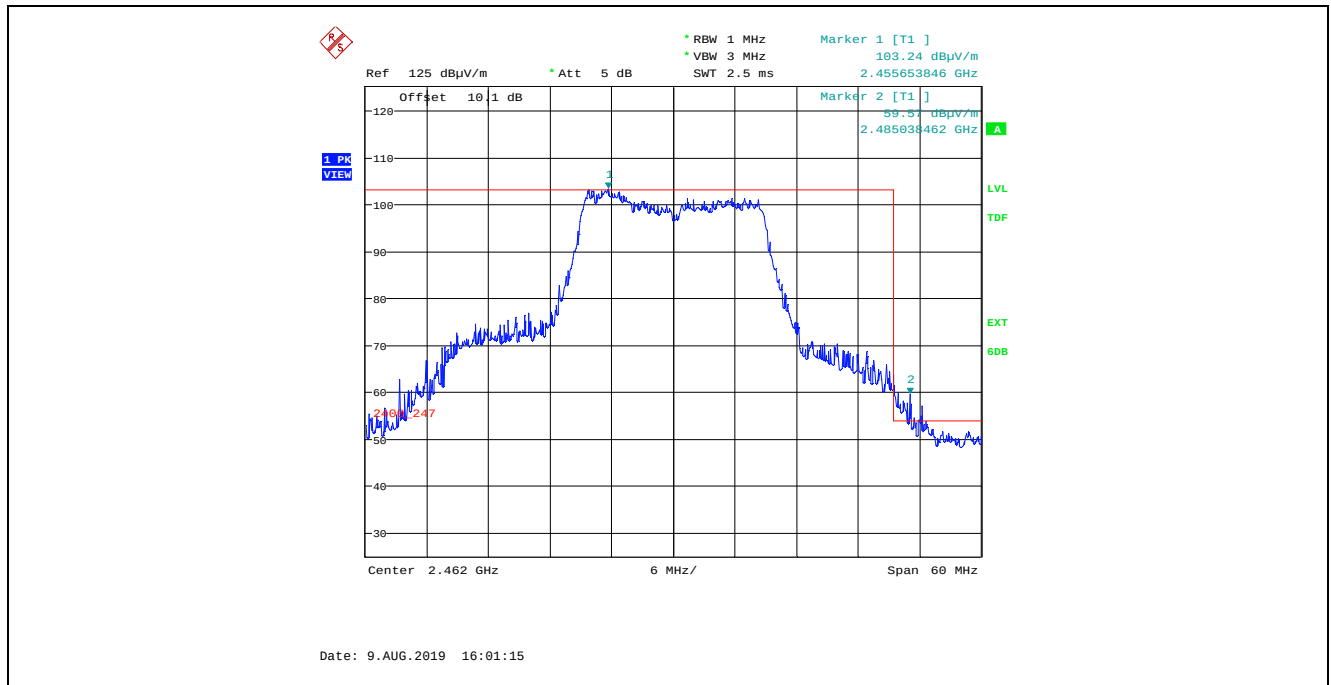
Plot 5.4.4.2.4.93. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 18, Channel 11, 2462 MHz



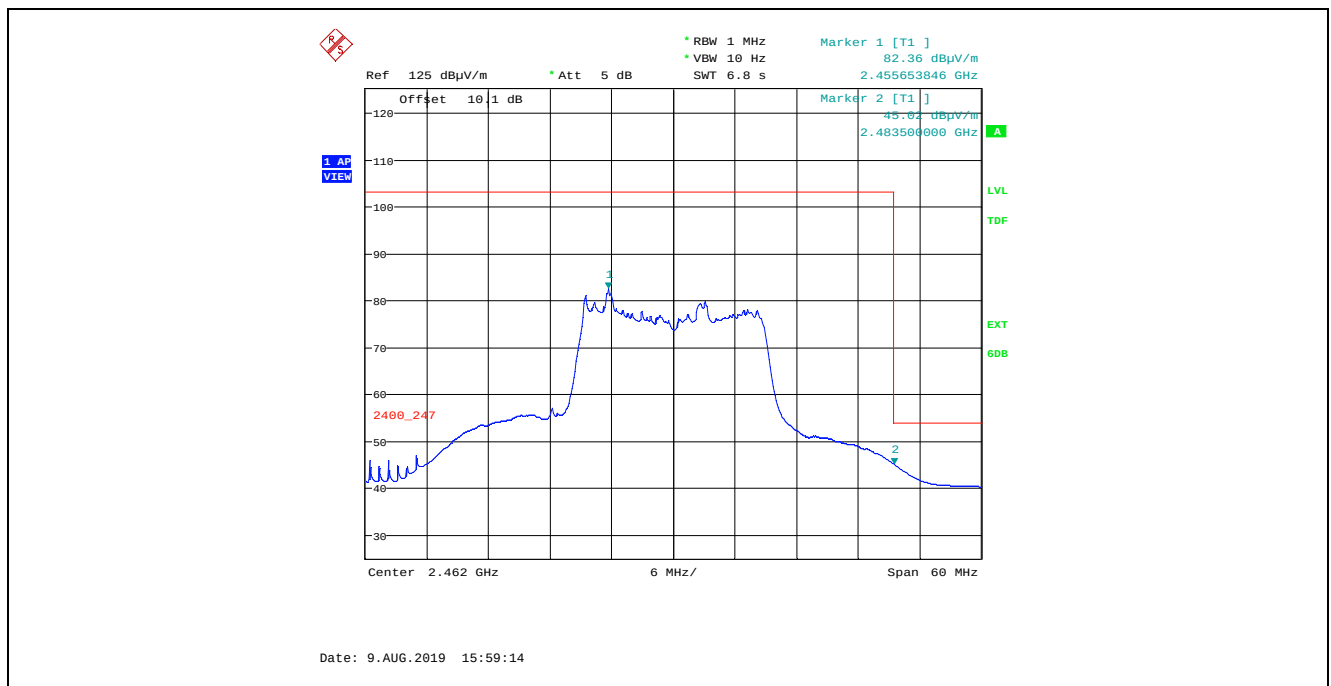
Plot 5.4.4.2.4.94. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 18, Channel 11, 2462 MHz



Plot 5.4.4.2.4.95. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 18, Channel 11, 2462 MHz

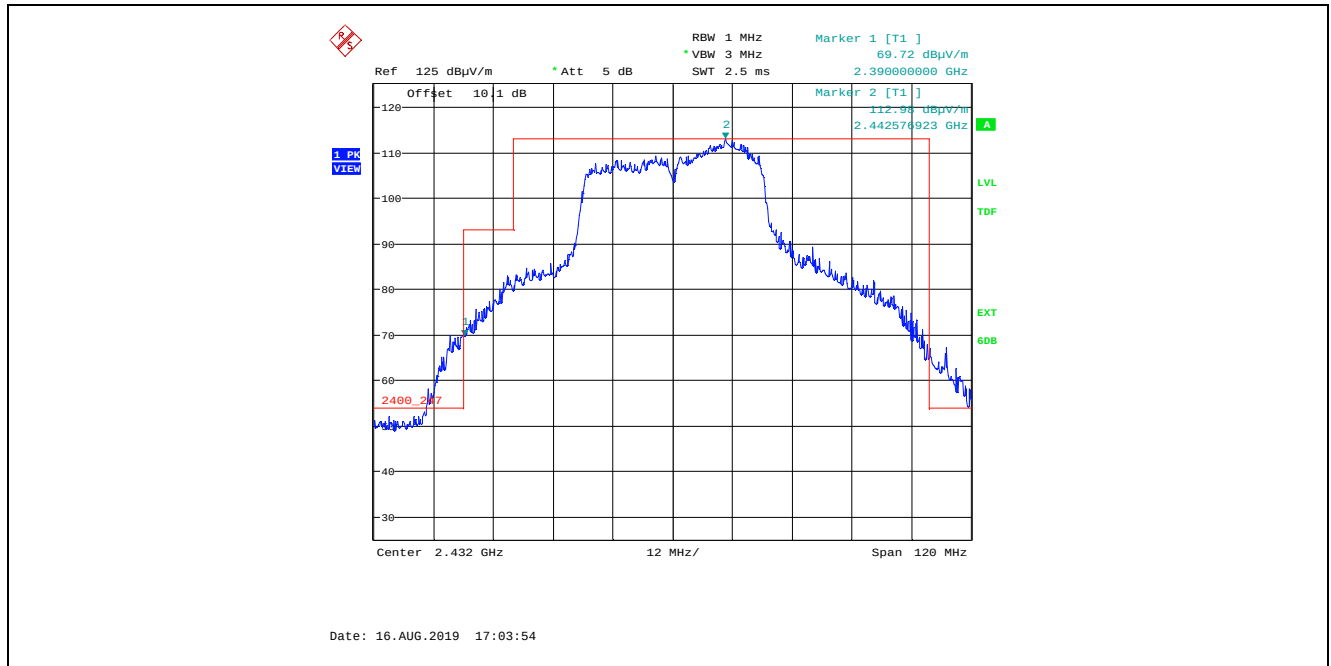


Plot 5.4.4.2.4.96. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, 800 ns, MCS 7, 64-QAM 5/6 65.0Mbps, Power Setting 18, Channel 11, 2462 MHz

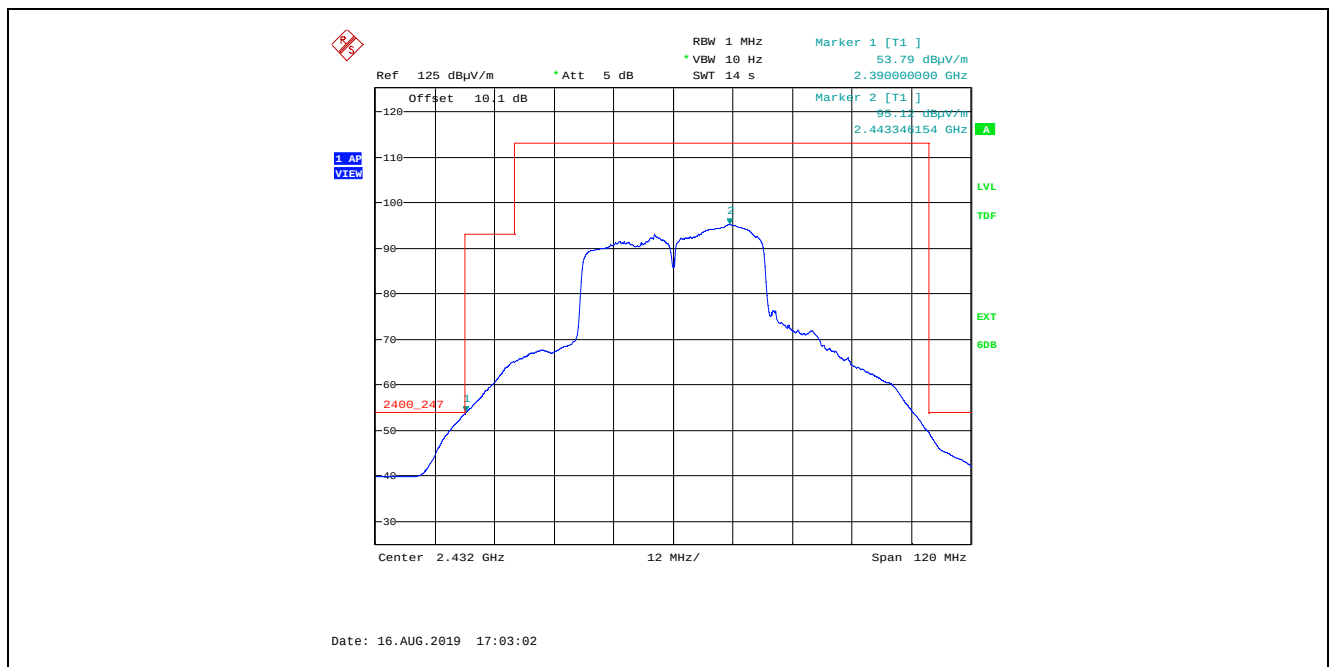


5.4.4.2.5. Band-Edge RF Radiated Emissions for 802.11n HT40, 400 ns

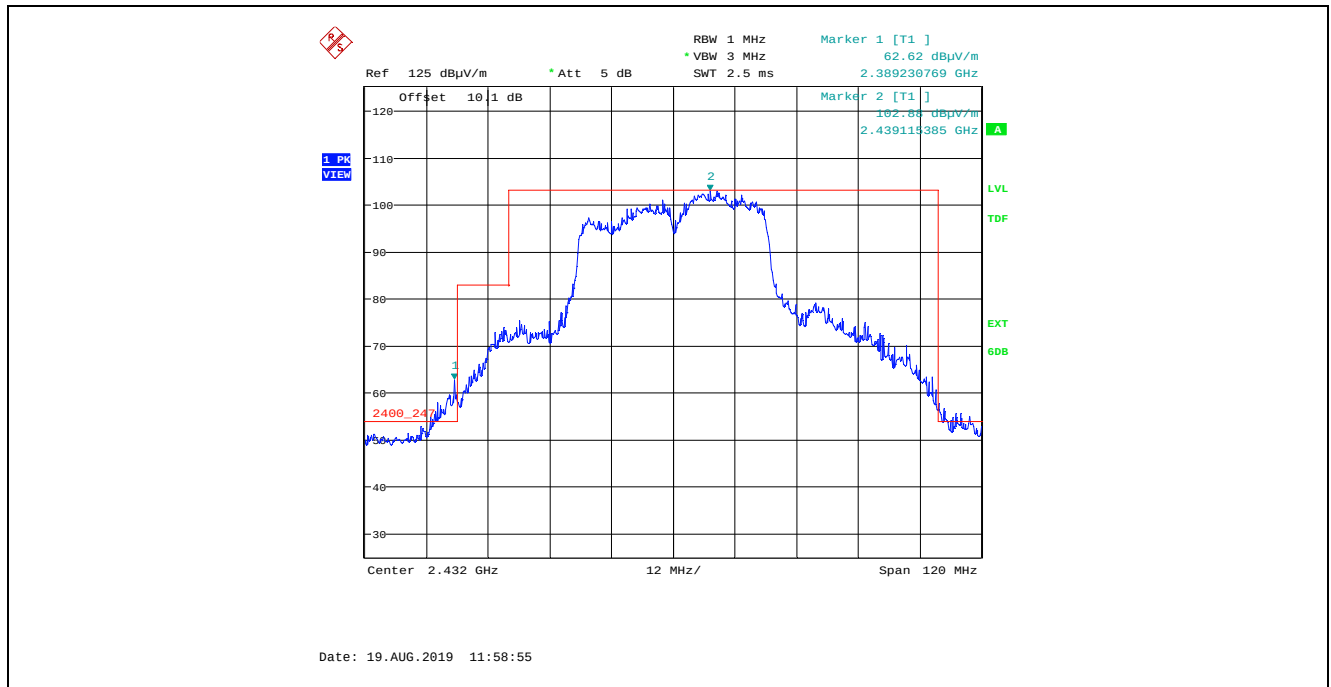
Plot 5.4.4.2.5.1. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 20, Channel 5, 2432 MHz



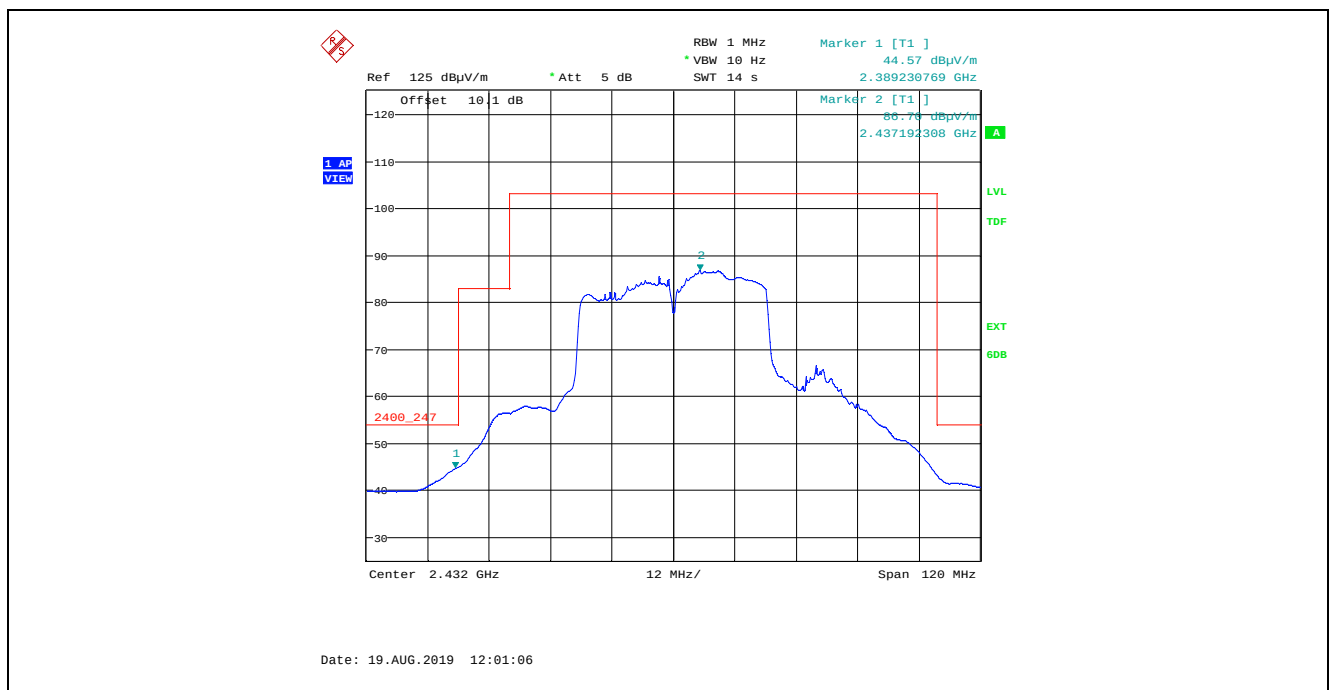
Plot 5.4.4.2.5.2. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11N HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 20, Channel 5, 2432 MHz



Plot 5.4.4.2.5.3. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 20, Channel 5, 2432 MHz



Plot 5.4.4.2.5.4. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 20, Channel 5, 2432 MHz



Ref 125 dBμV/m * Att 5 dB

RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms

Marker 1 [T1]
112.54 dBμV/m
2.446897692 GHz

Offset 101 dB

Marker 2 [T1]
69.58 dBμV/m
2.483500000 GHz

2.437 GHz

Center 2.437 GHz 12 MHz/ Span 120 MHz

1 PK VIEW

LVL
TDF
EXT
6DB

Date: 16.AUG.2019 16:35:41

RBW 1 MHz
* VBW 10 Hz
SWT 14 s

Marker 1 [T1]
94.34 dBuV/m
2.445846154 GHz

Ref 125 dBuV/m
* Att 5 dB

Offset 101 dB

Marker 2 [T1]
51.88 dBuV/m
2.483508090 GHz

2400_247

Center 2.437 GHz

Span 120 MHz

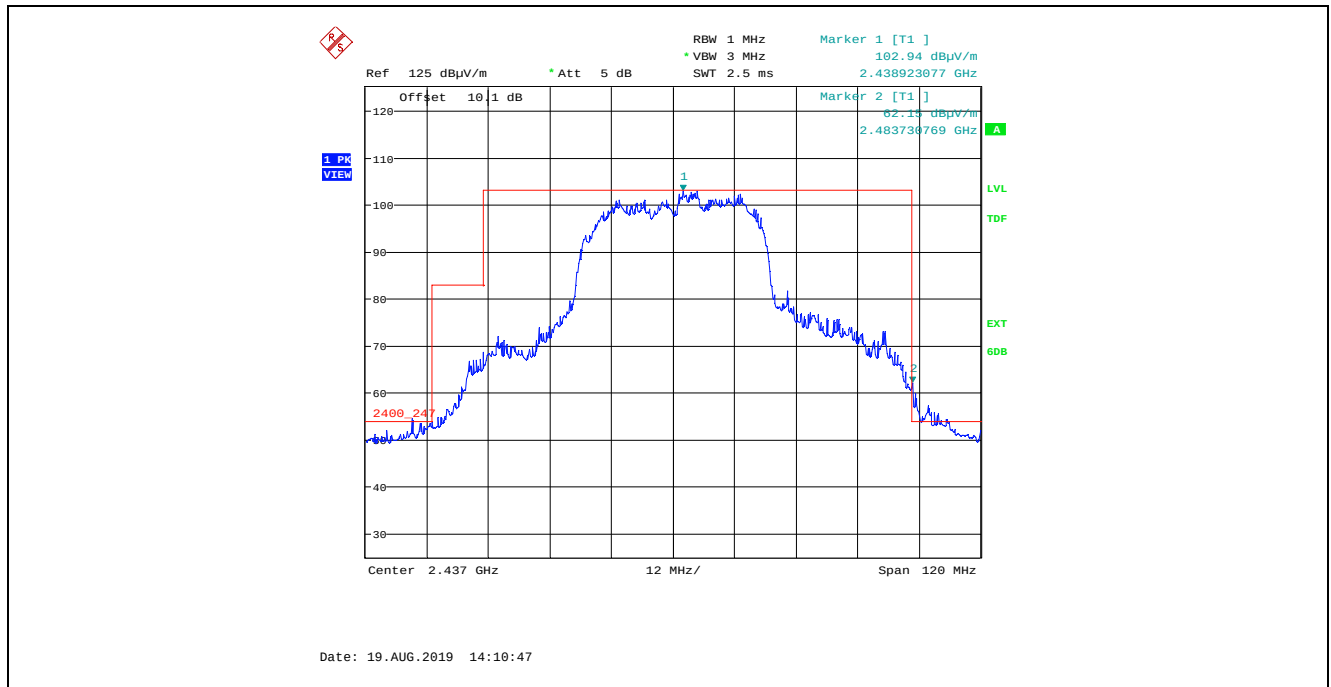
12 MHz/

1. AP View

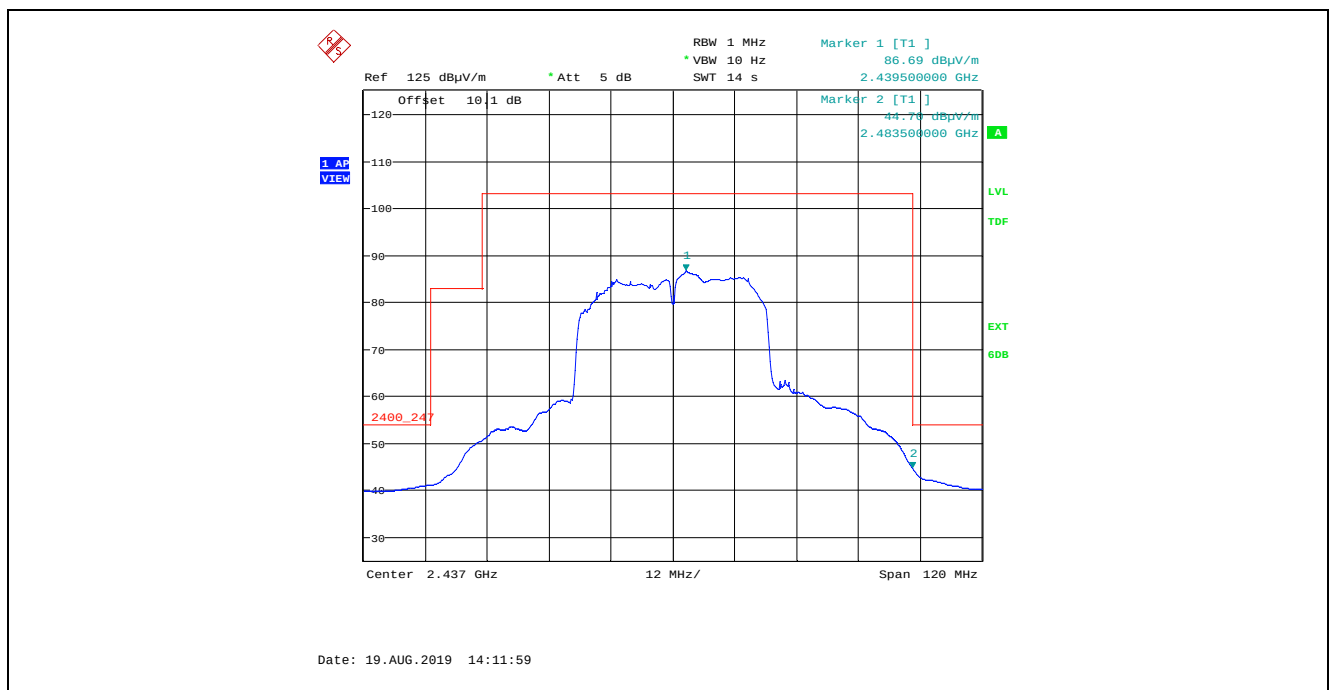
LVL
TDF
EXT
6DB

Date: 16.AUG.2019 16:34:44

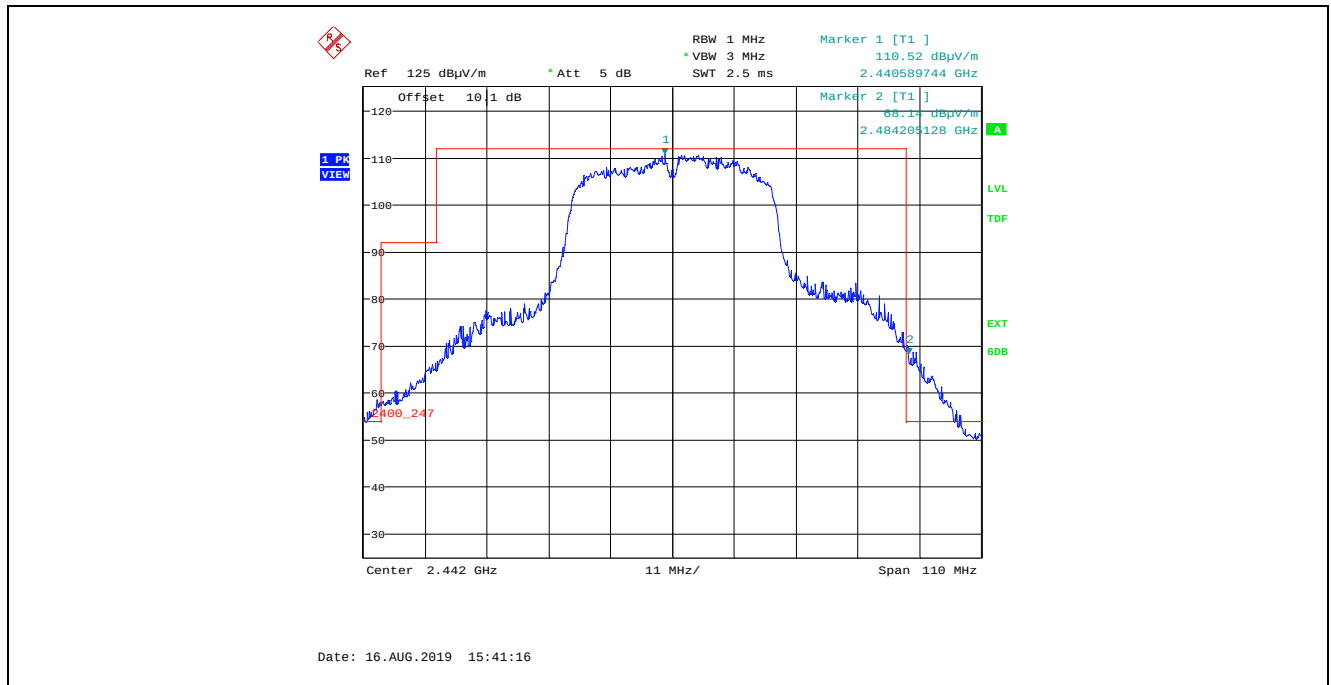
Plot 5.4.4.2.5.7. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 19, Channel 6, 2437 MHz



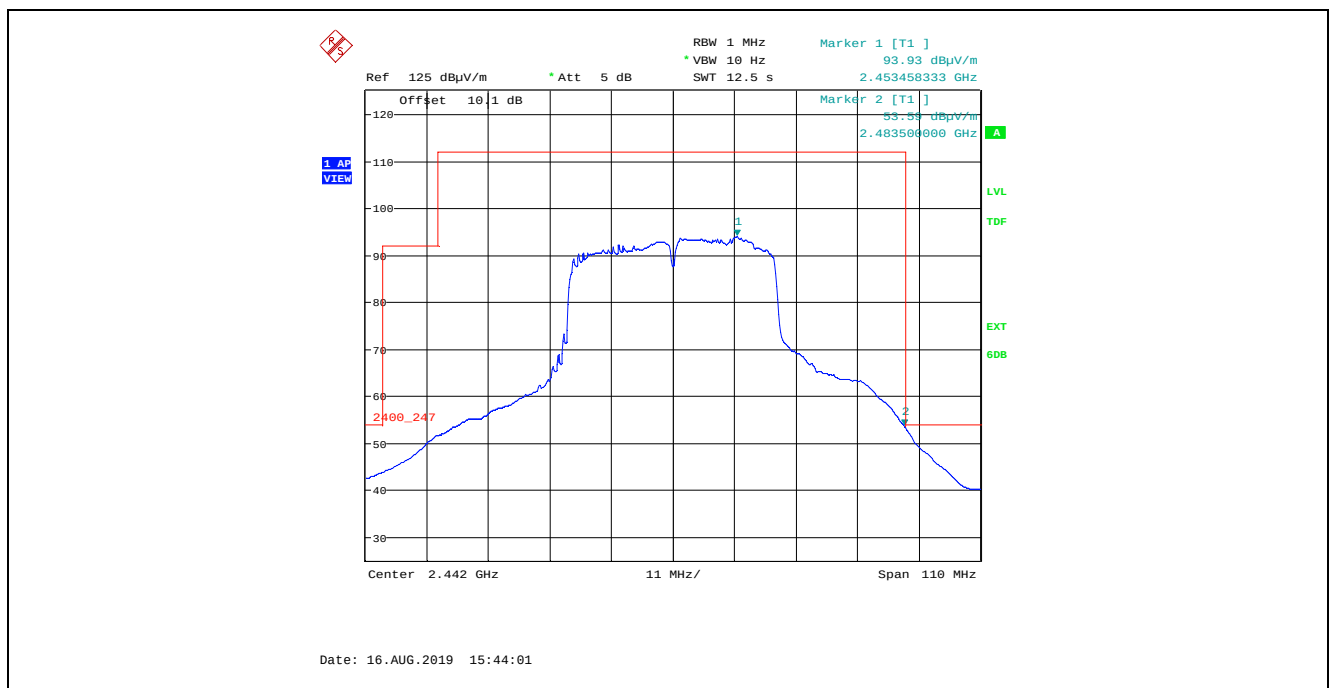
Plot 5.4.4.2.5.8. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 19, Channel 6, 2437 MHz



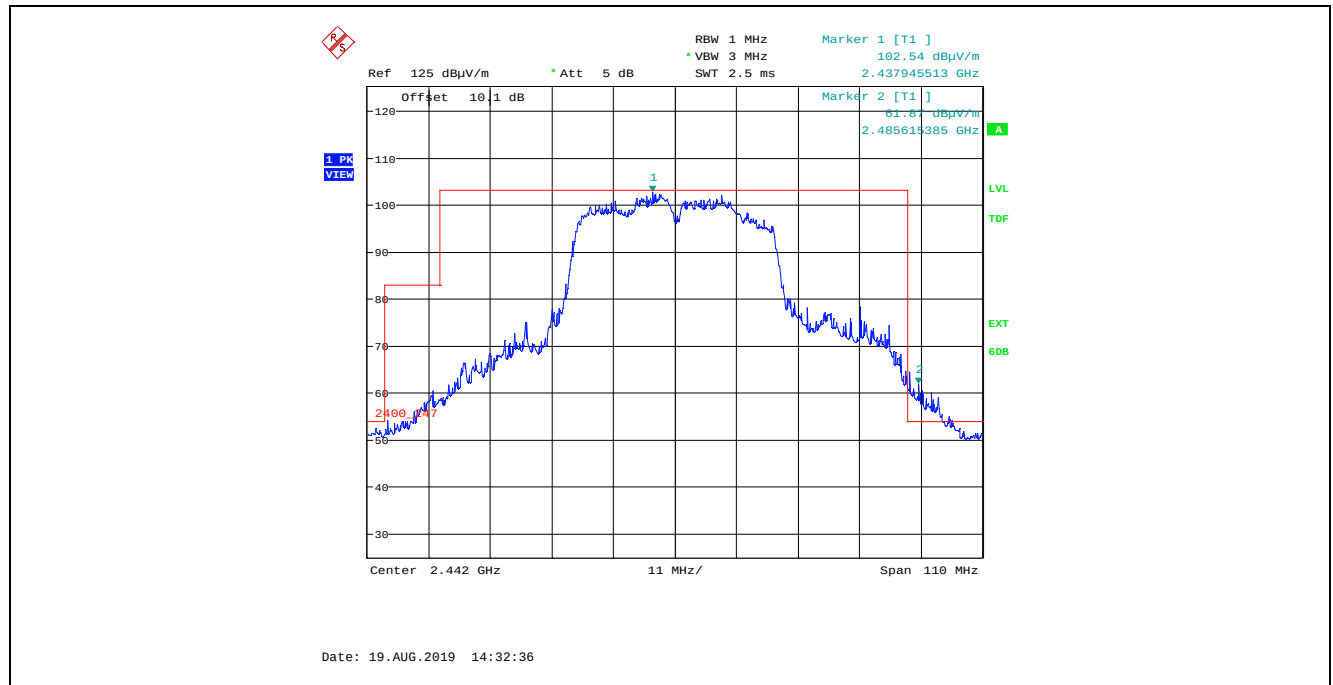
Plot 5.4.4.2.5.9. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 18, Channel 7, 2442 MHz



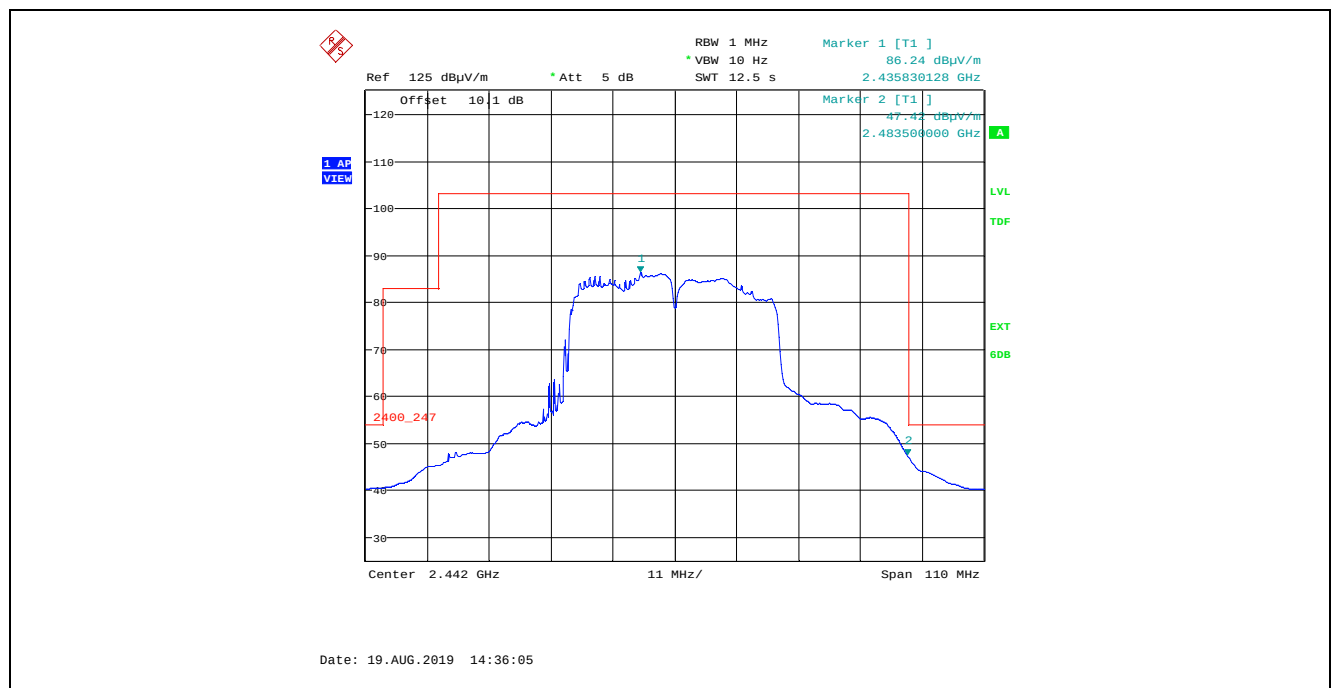
Plot 5.4.4.2.5.10. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 18, Channel 7, 2442 MHz



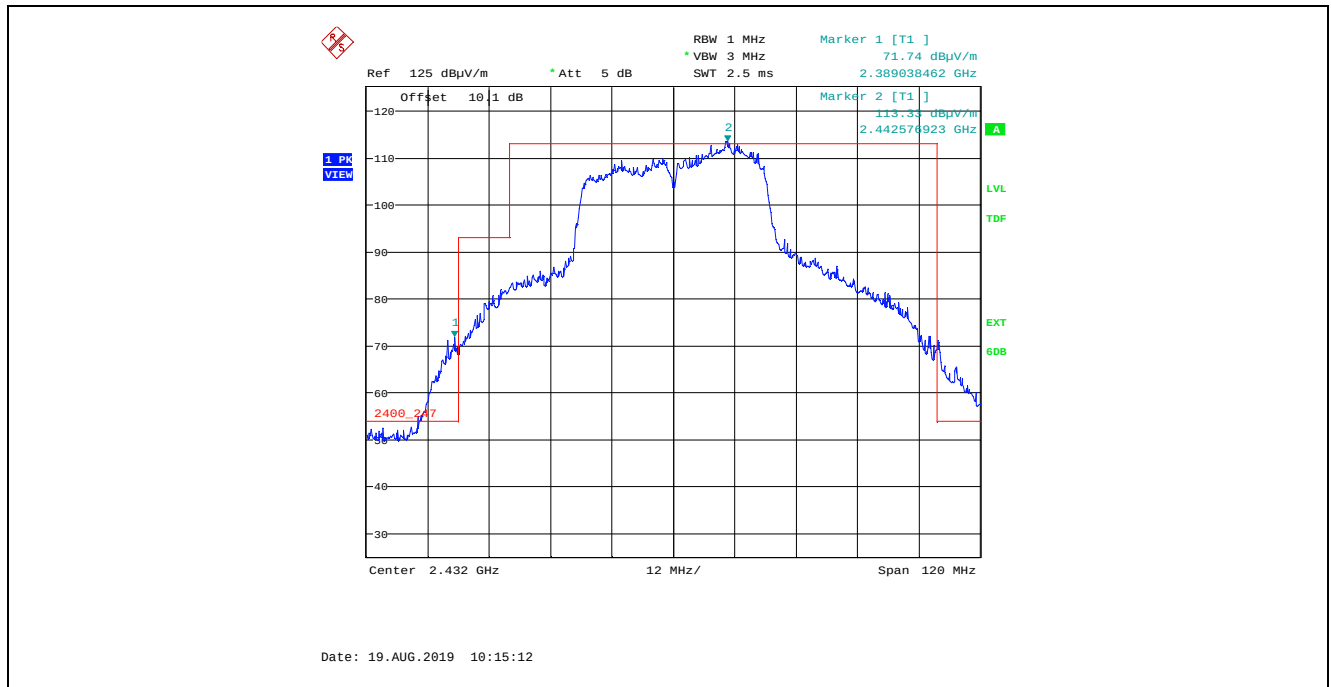
Plot 5.4.4.2.5.11. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 18, Channel 7, 2442 MHz



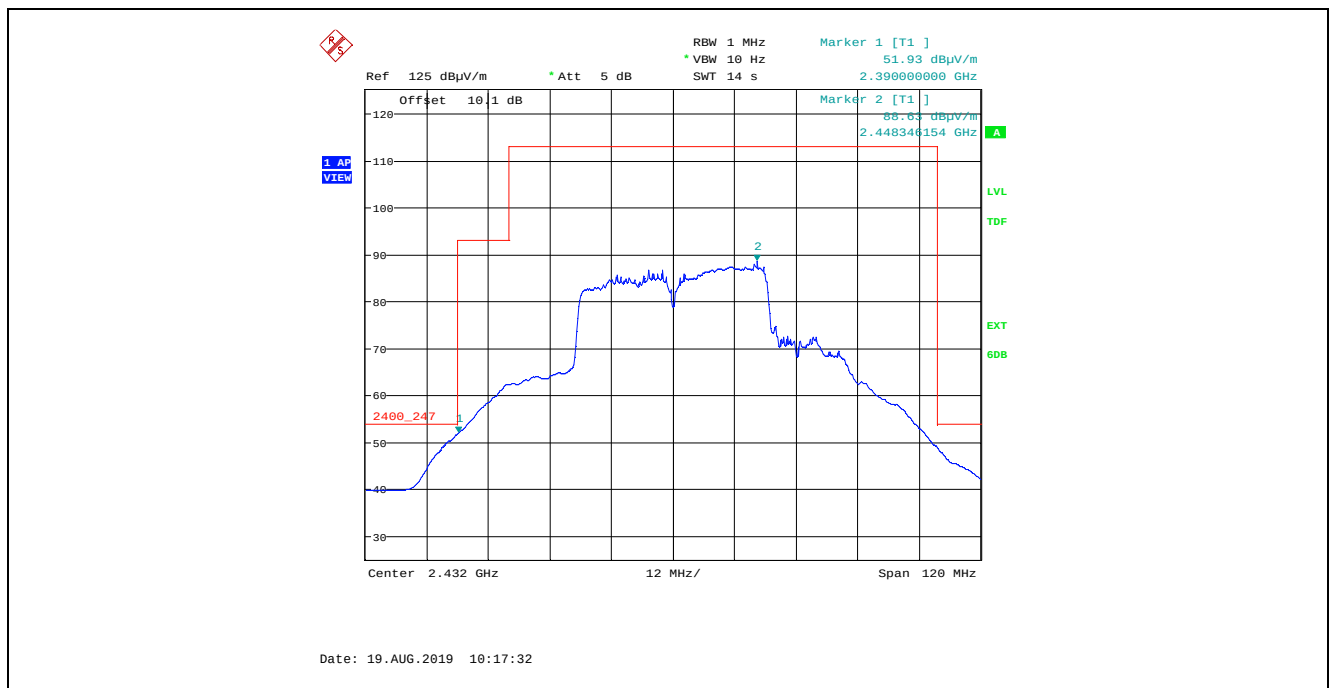
Plot 5.4.4.2.5.12. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 0, BPSK ½ 15.0Mbps, Power Setting 18, Channel 7, 2442 MHz



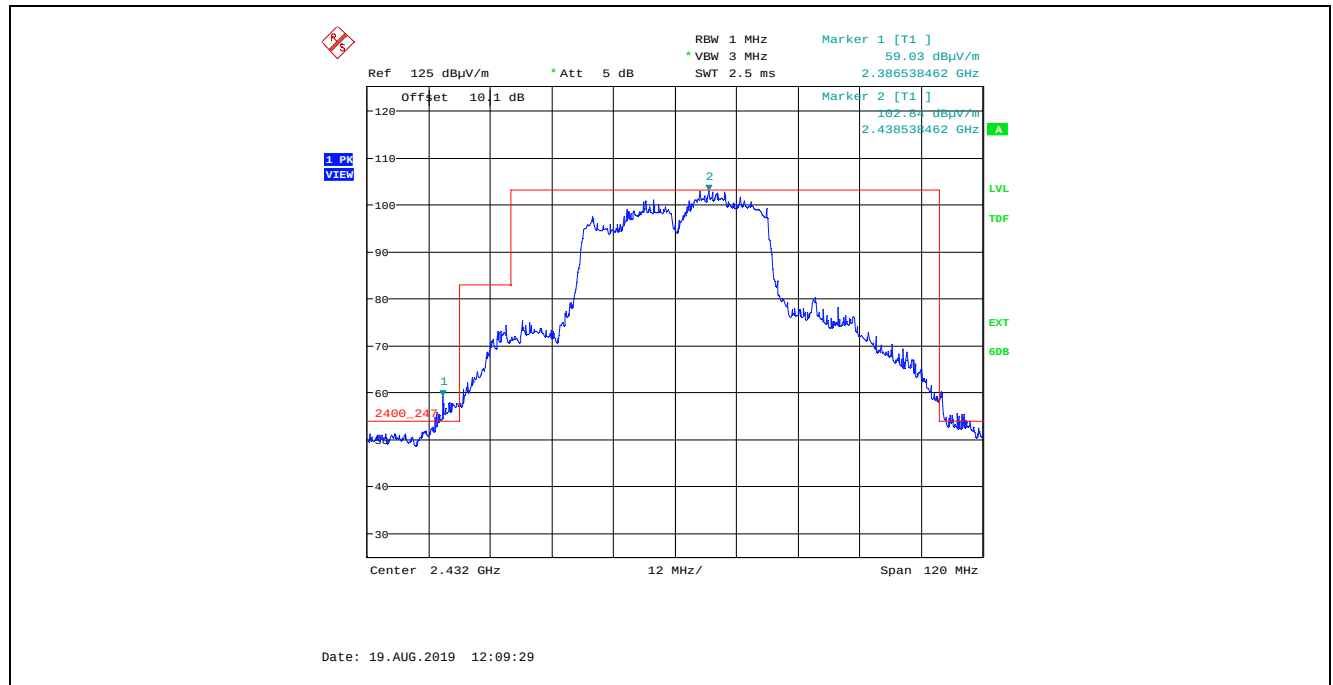
Plot 5.4.4.2.5.13. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 20, Channel 5, 2432 MHz



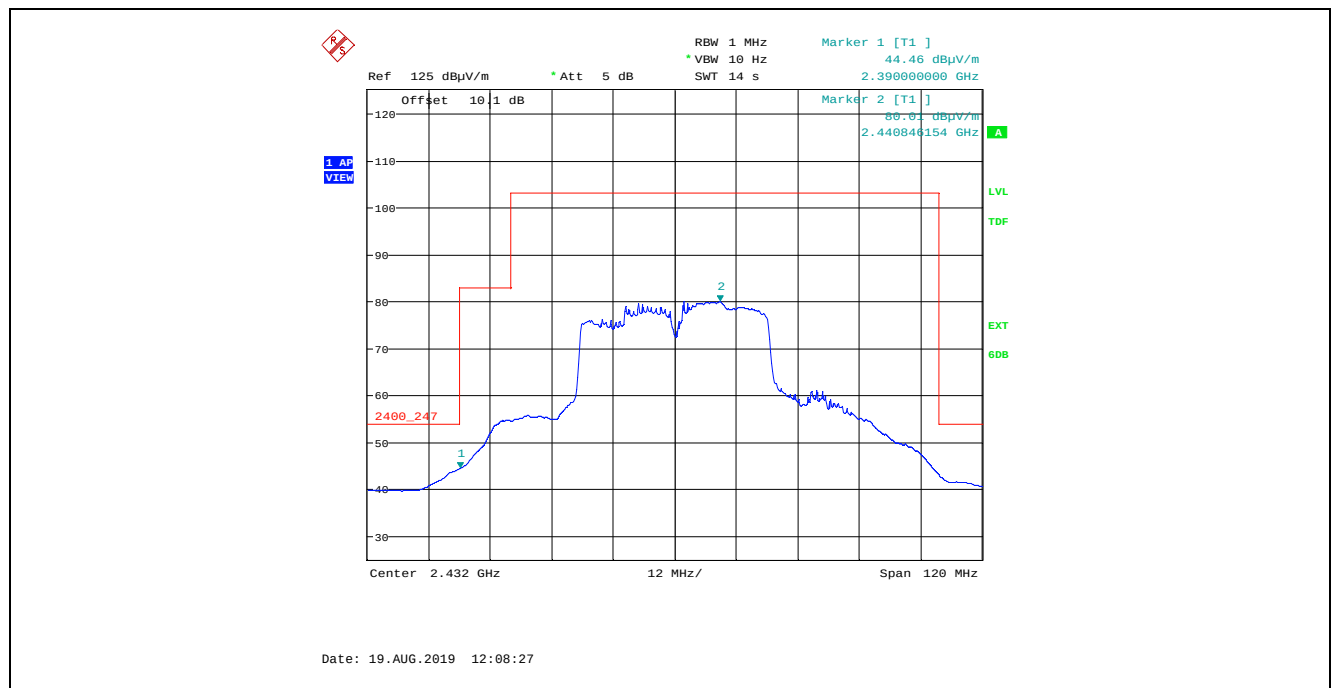
Plot 5.4.4.2.5.14. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 20, Channel 5, 2432 MHz



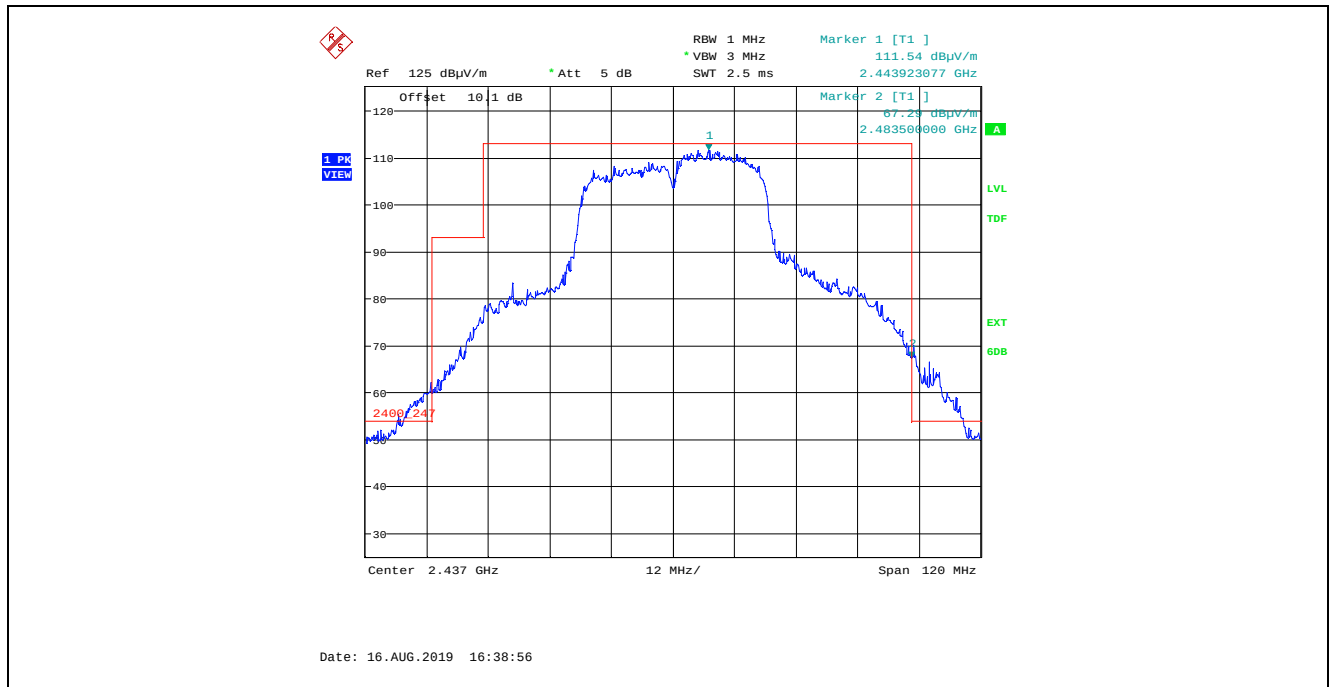
Plot 5.4.4.2.5.15. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 20, Channel 5, 2432 MHz



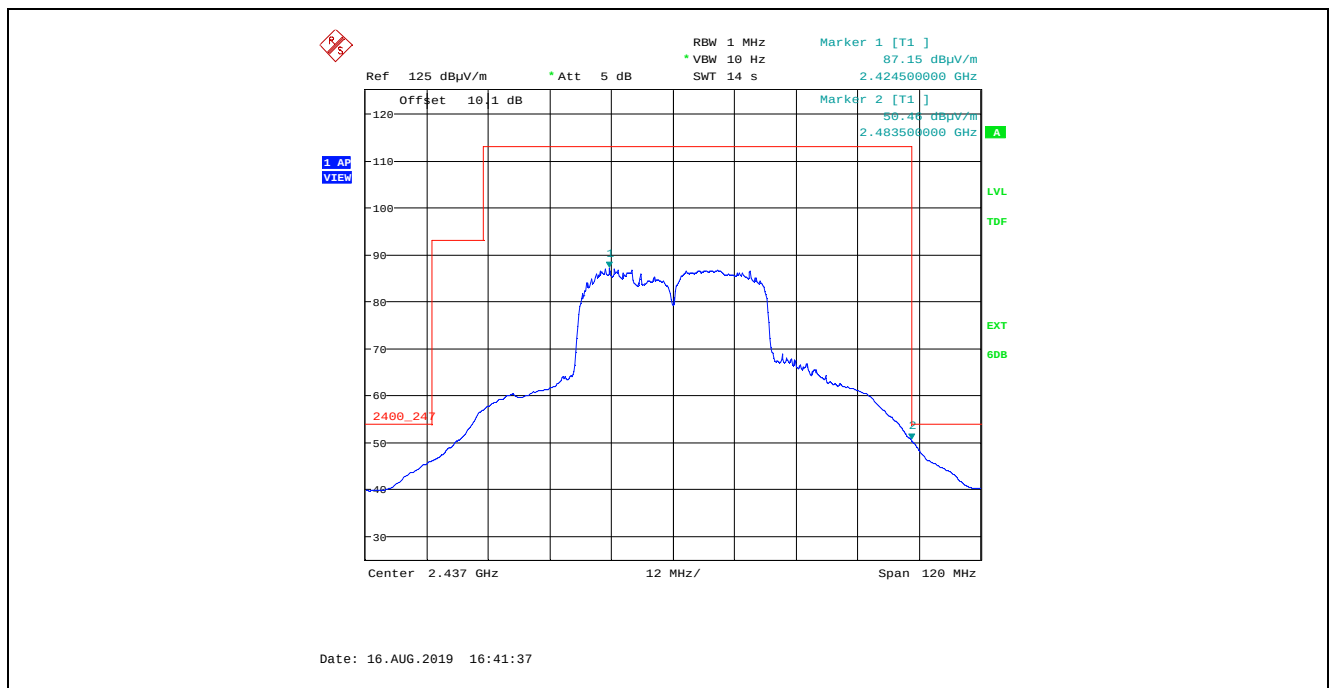
Plot 5.4.4.2.5.16. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 20, Channel 5, 2432 MHz



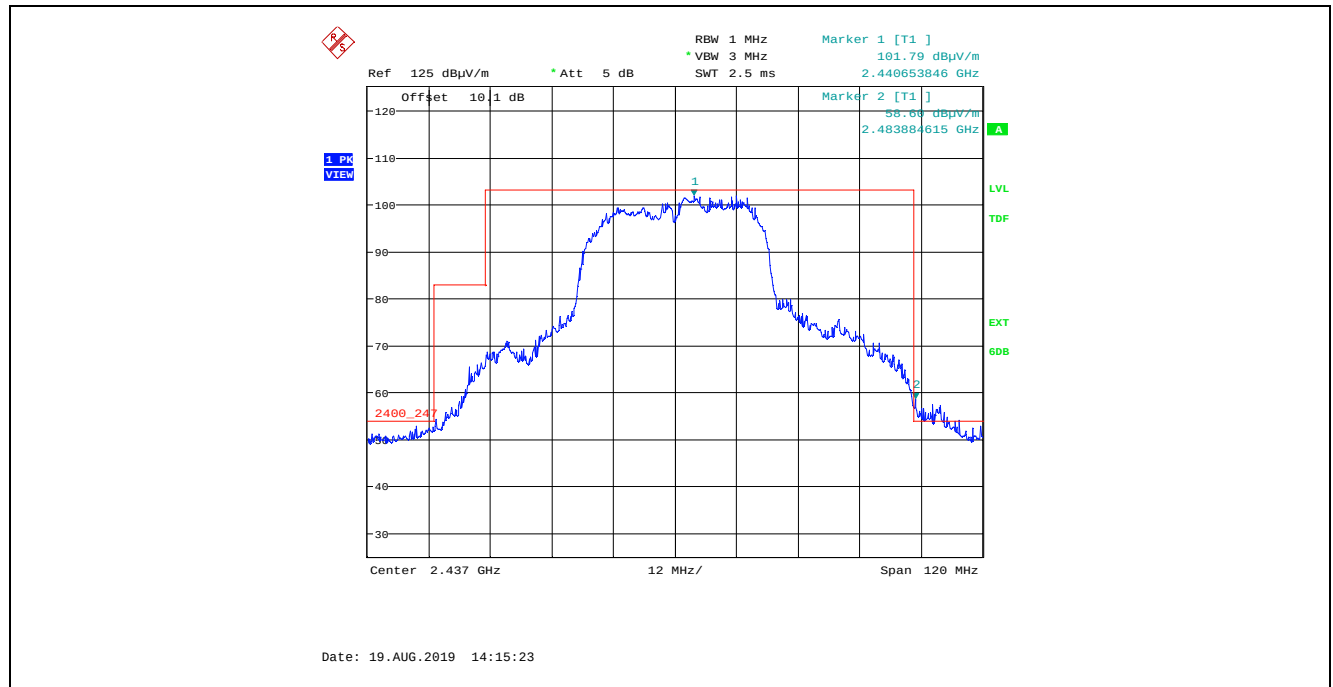
Plot 5.4.4.2.5.17. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 19, Channel 6, 2437 MHz



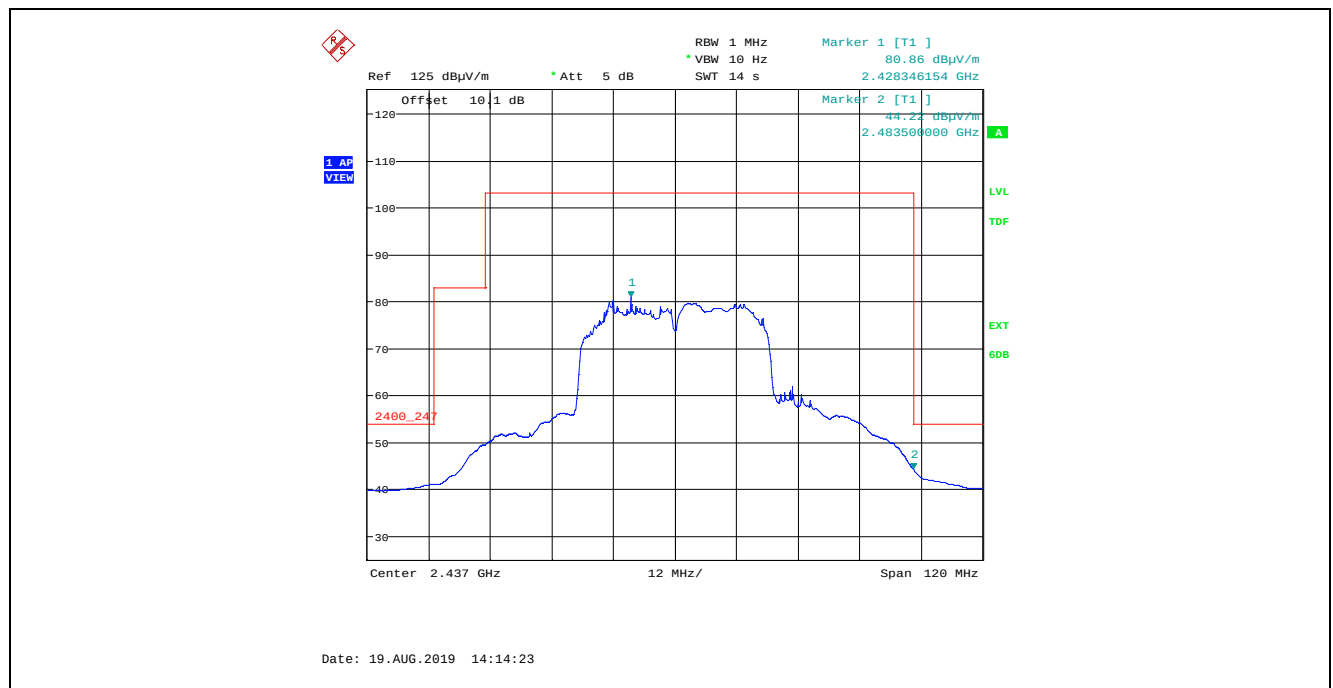
Plot 5.4.4.2.5.18. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 19, Channel 6, 2437 MHz



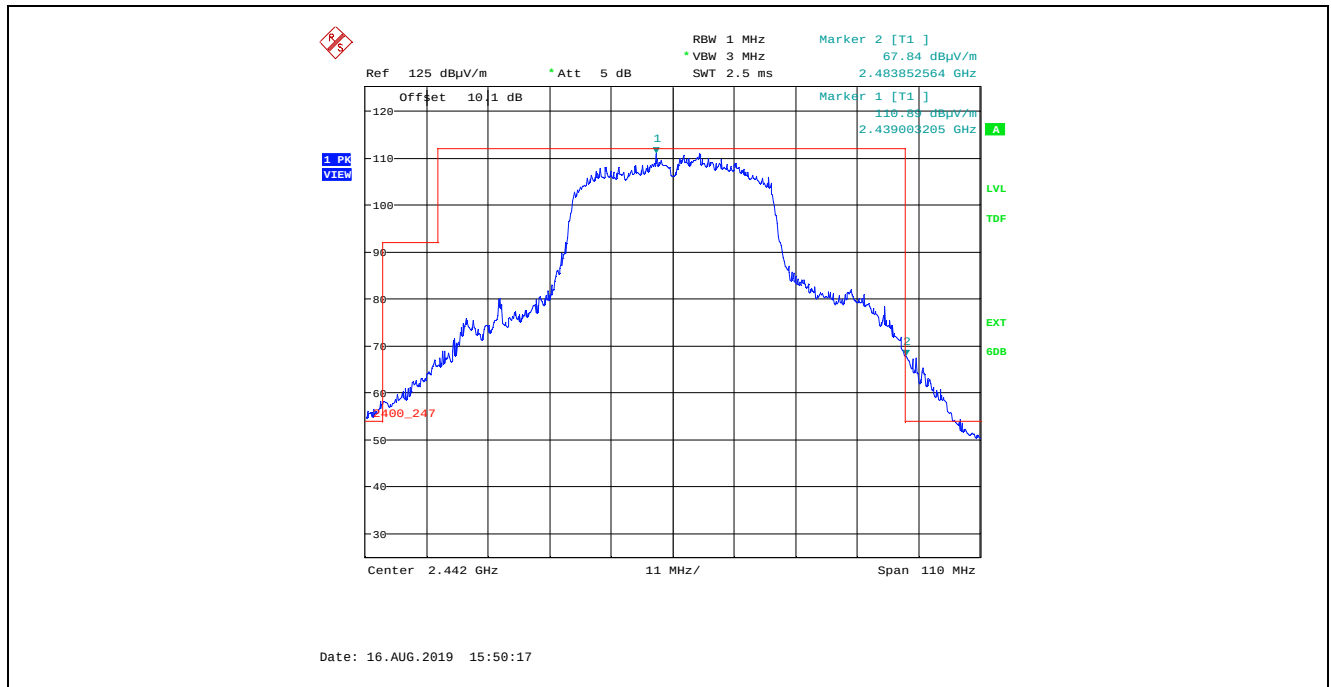
Plot 5.4.4.2.5.19. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 19, Channel 6, 2437 MHz



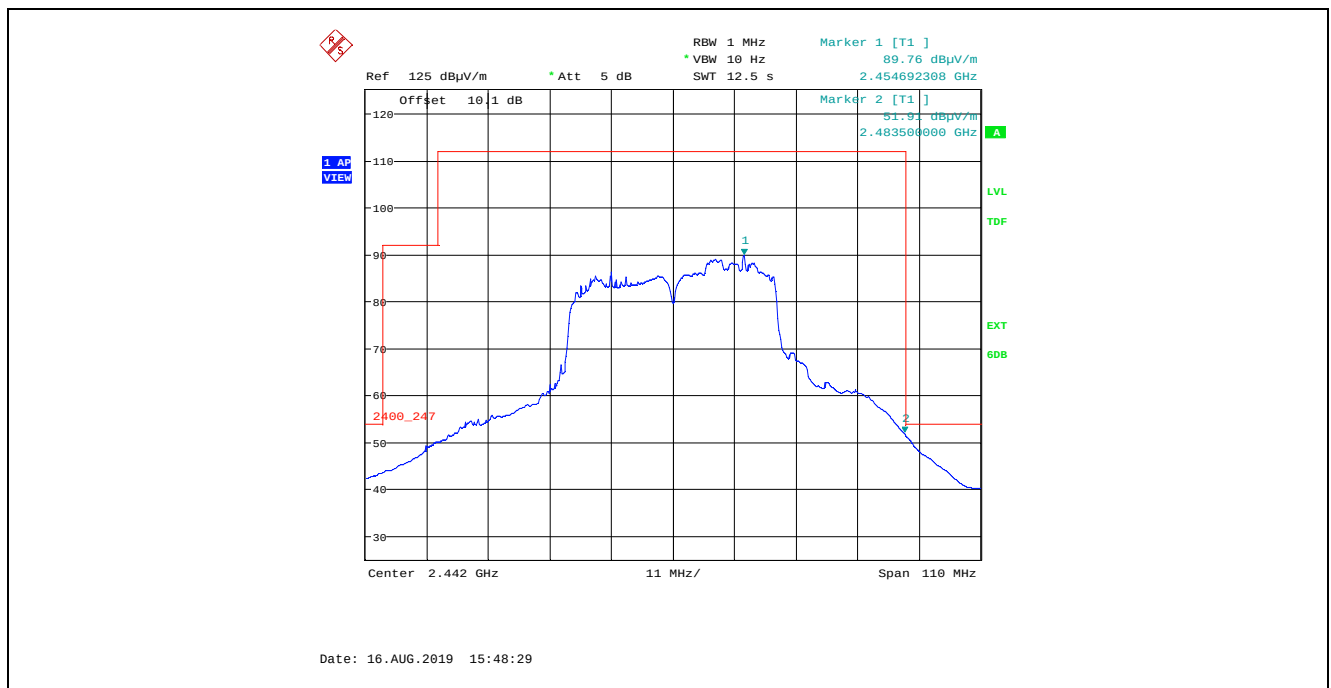
Plot 5.4.4.2.5.20. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 19, Channel 6, 2437 MHz



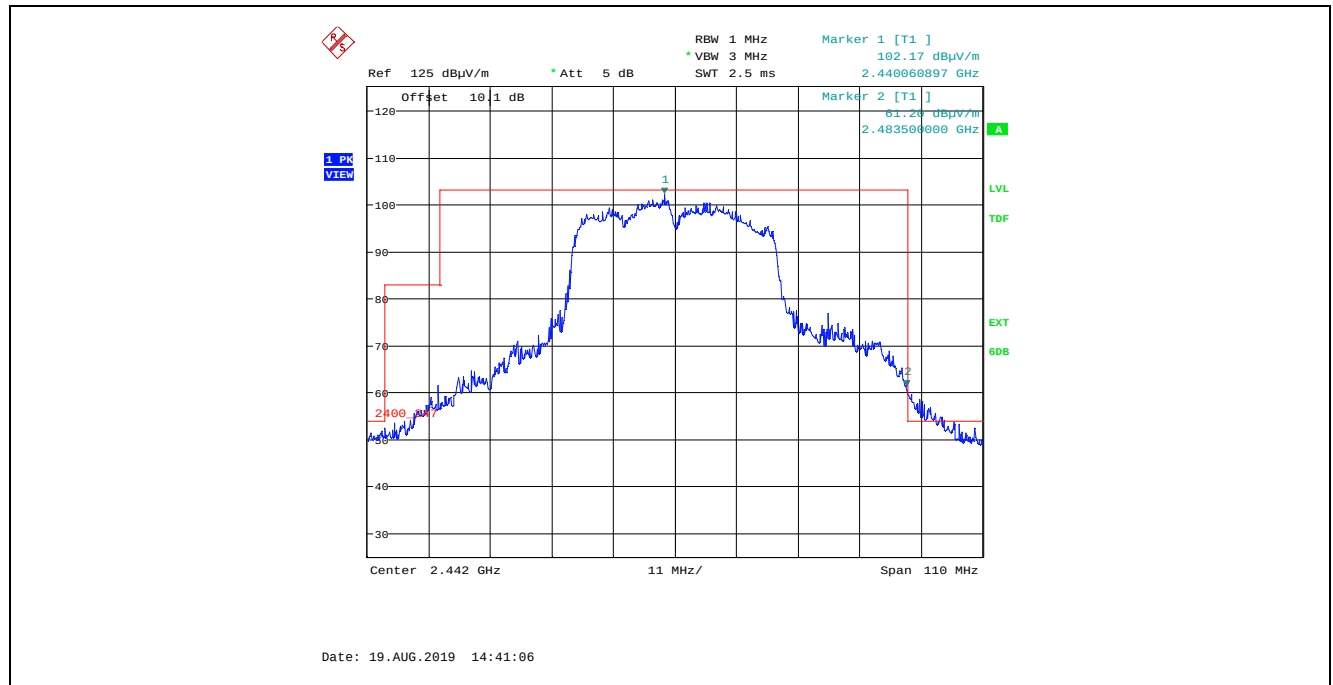
Plot 5.4.4.2.5.21. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 400 ns, MCS 2, QPSK ¾ 45.0Mbps, Power Setting 18, Channel 7, 2442 MHz



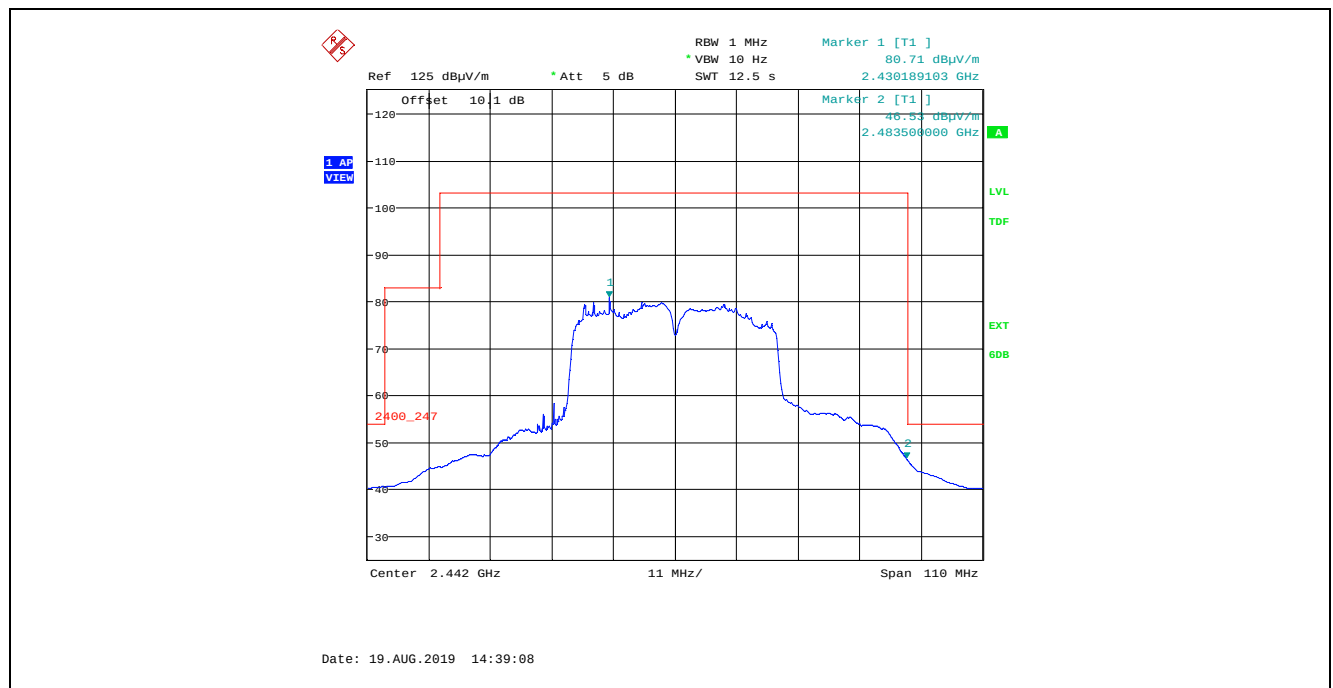
Plot 5.4.4.2.5.22. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 400 ns, MCS 2, QPSK ¾ 45.0Mbps, Power Setting 18, Channel 7, 2442 MHz



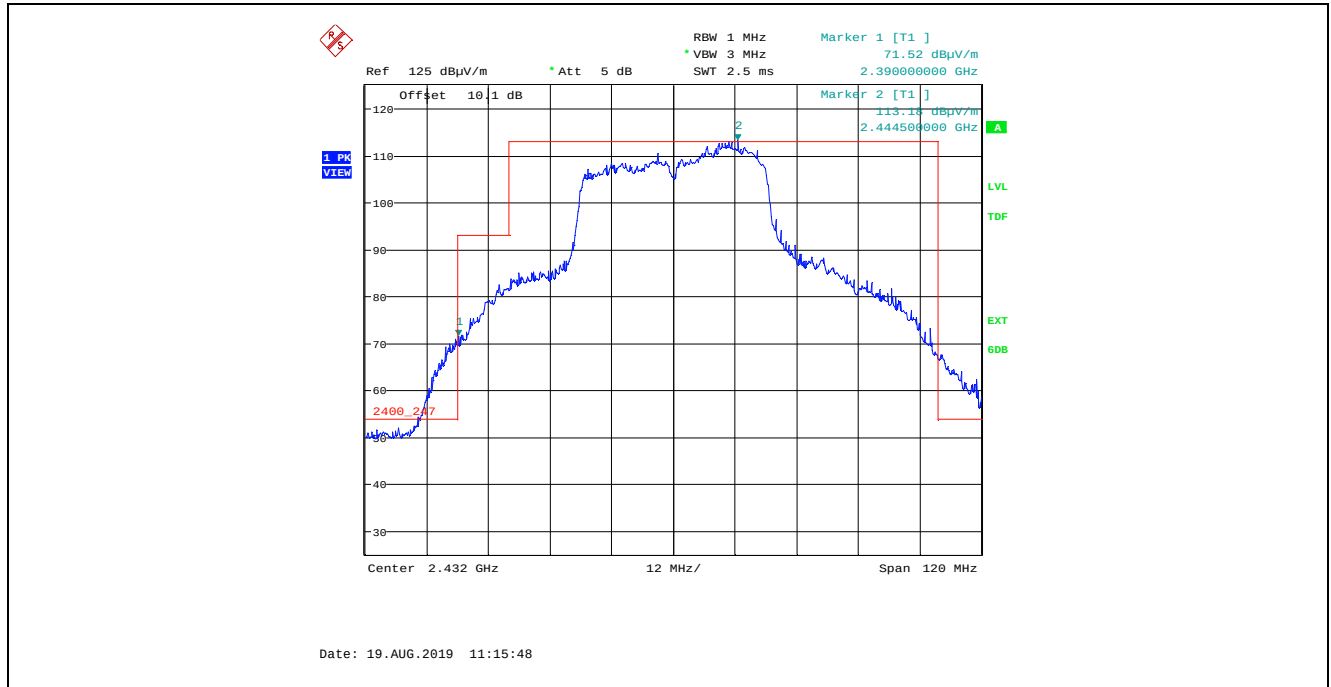
Plot 5.4.4.2.5.23. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 18, Channel 7, 2442 MHz



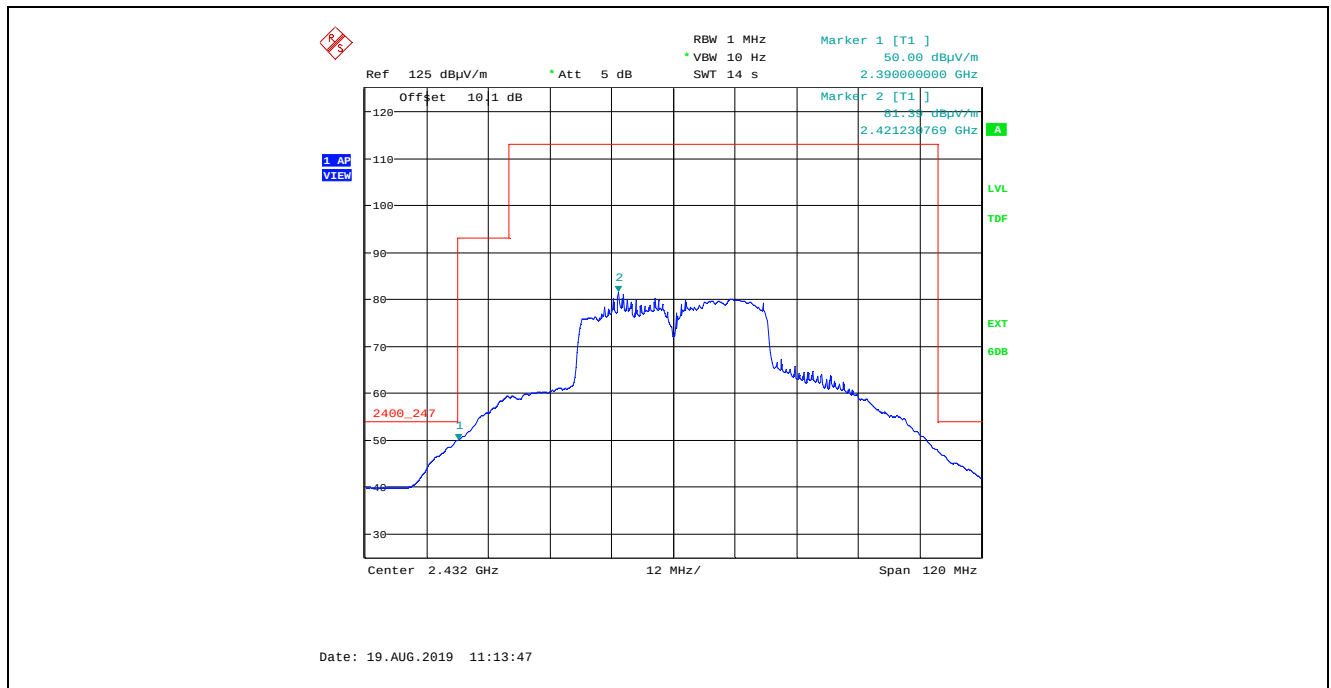
Plot 5.4.4.2.5.24. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 2, QPSK ¼ 45.0Mbps, Power Setting 18, Channel 7, 2442 MHz



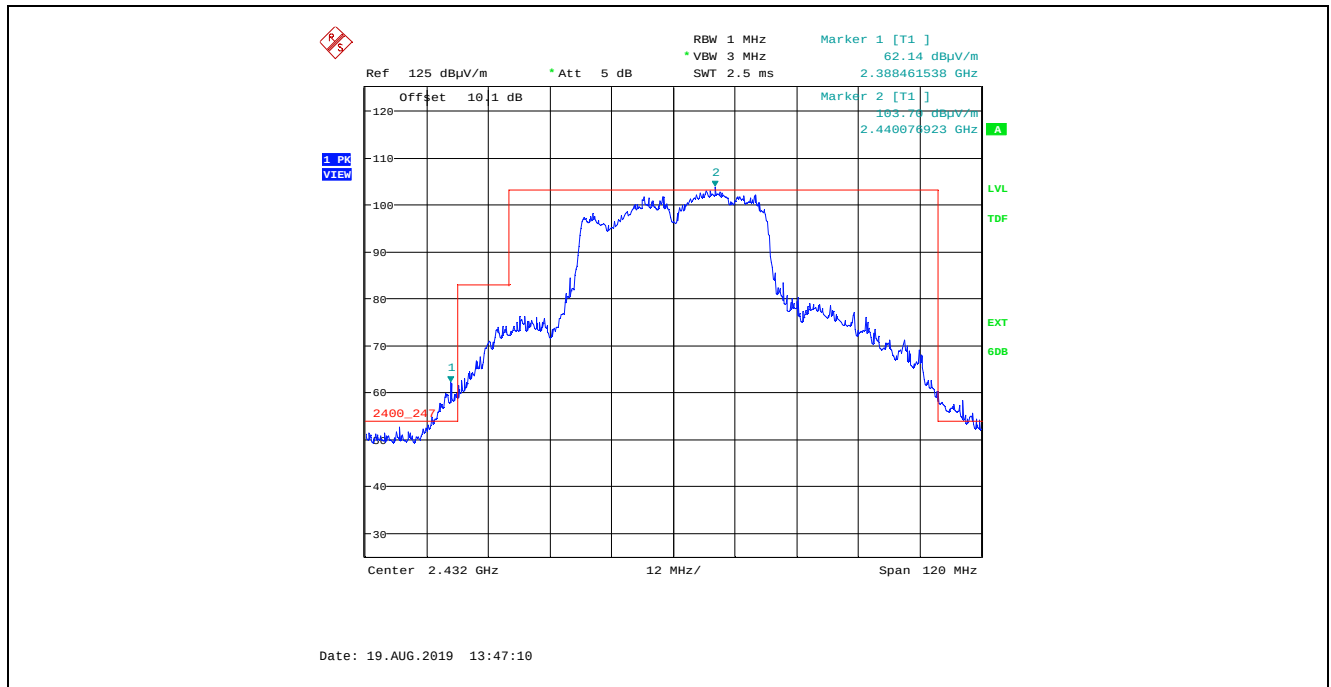
Plot 5.4.4.2.5.25. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 20, Channel 5, 2432 MHz



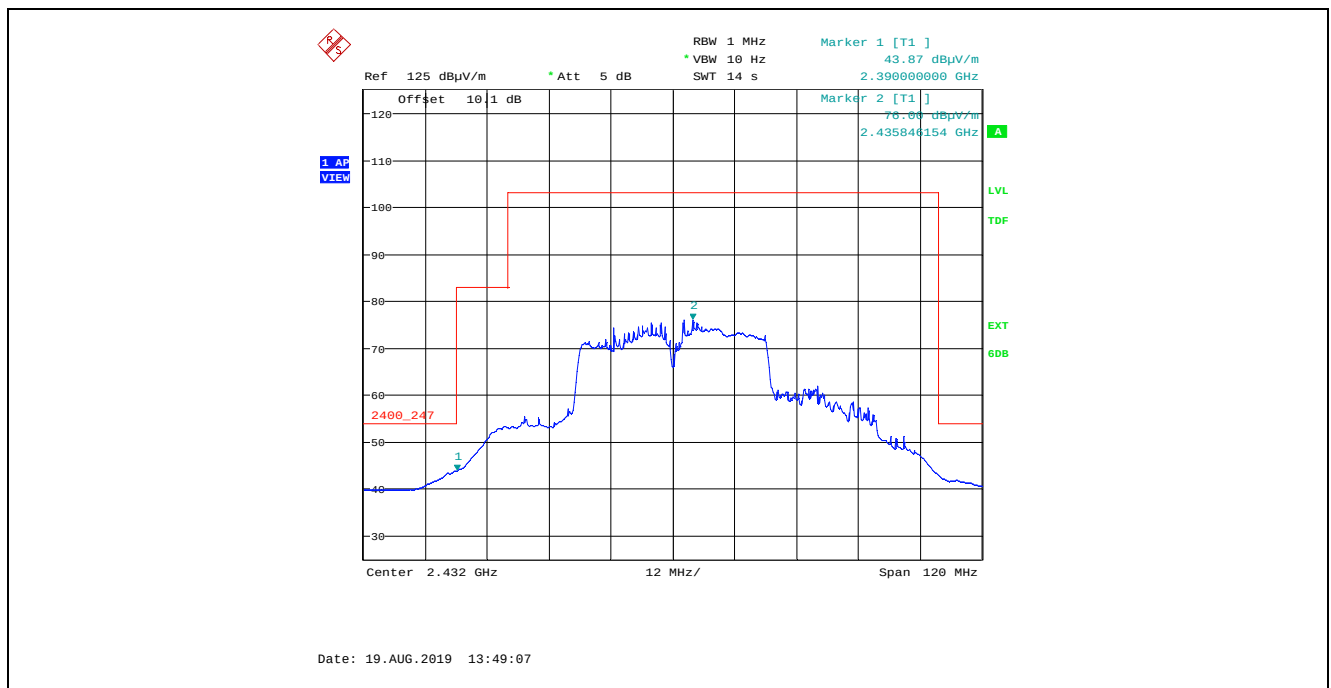
Plot 5.4.4.2.5.26. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 20, Channel 5, 2432 MHz



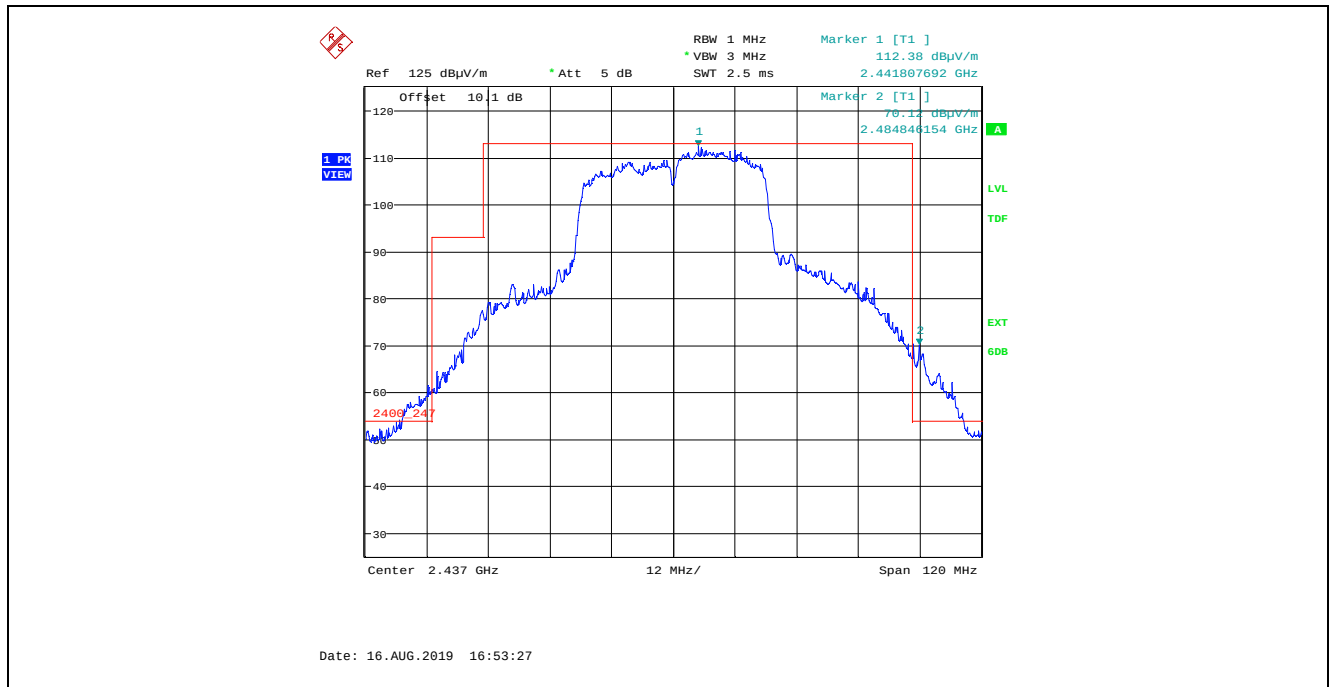
Plot 5.4.4.2.5.27. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 20, Channel 5, 2432 MHz



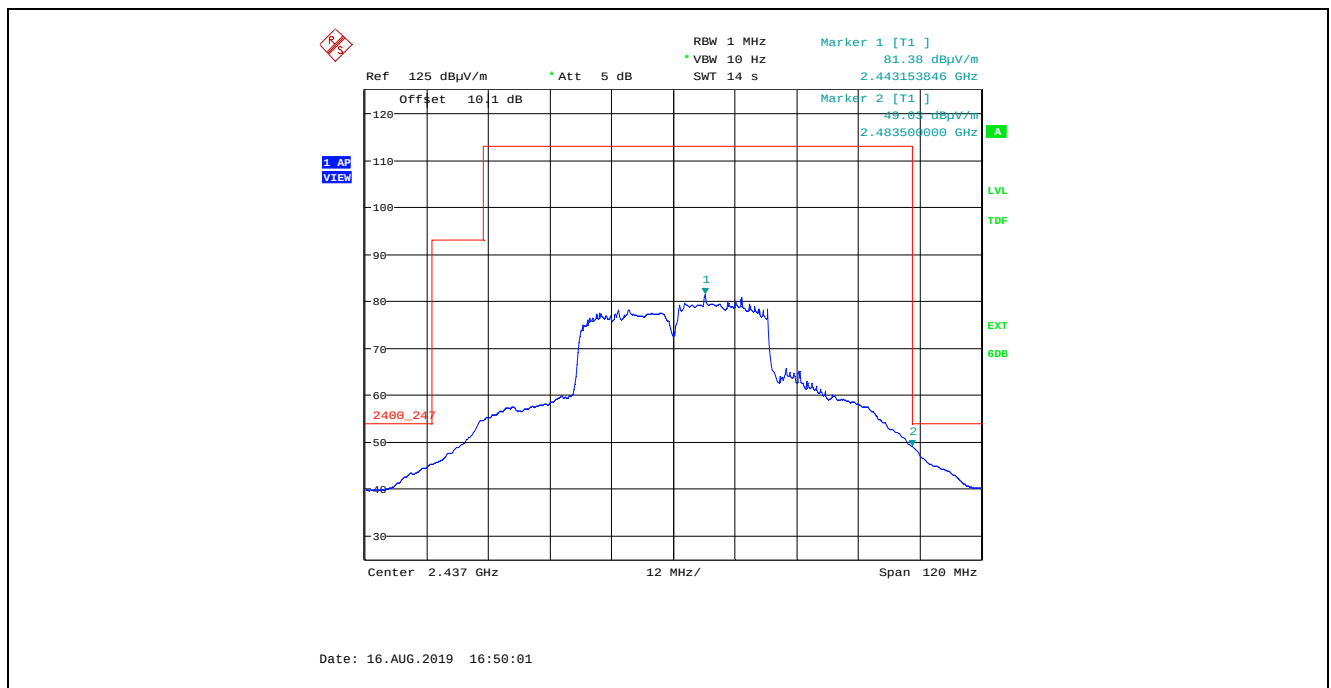
Plot 5.4.4.2.5.28. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 20, Channel 5, 2432 MHz



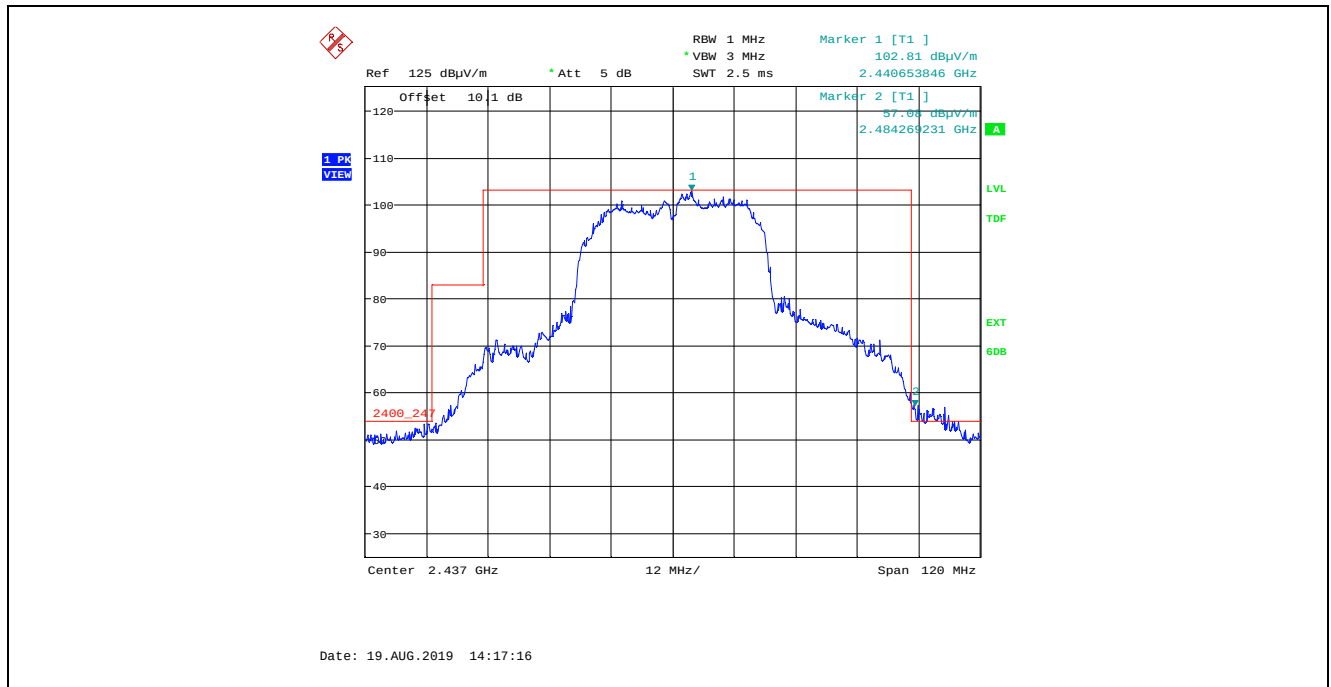
Plot 5.4.4.2.5.29. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 19, Channel 6, 2437 MHz



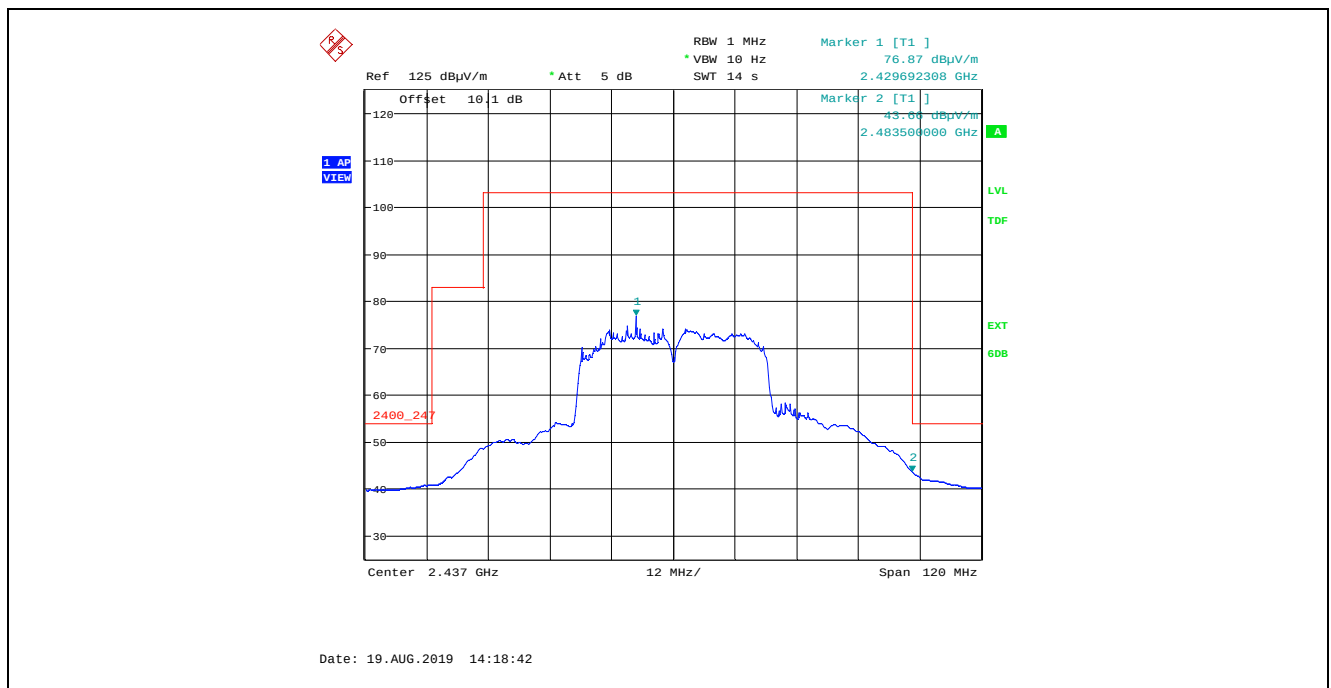
Plot 5.4.4.2.5.30. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 19, Channel 6, 2437 MHz



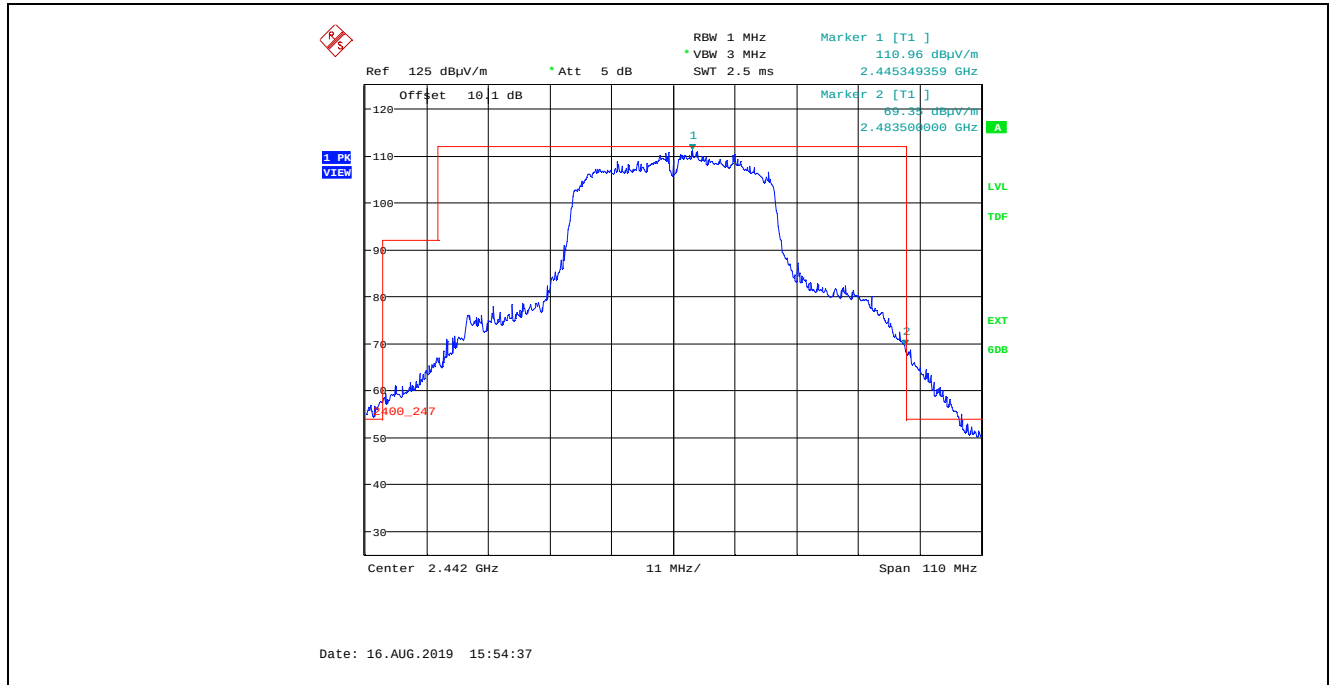
Plot 5.4.4.2.5.31. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 19, Channel 6, 2437 MHz



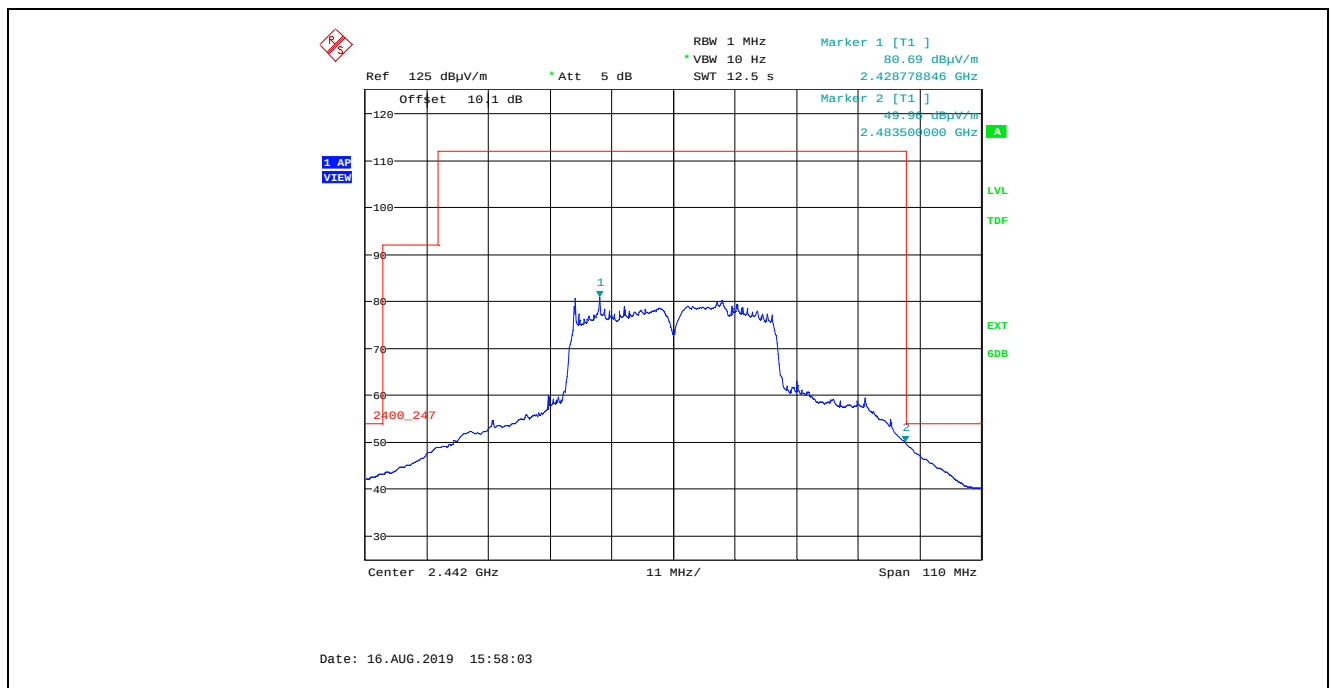
Plot 5.4.4.2.5.32. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 19, Channel 6, 2437 MHz



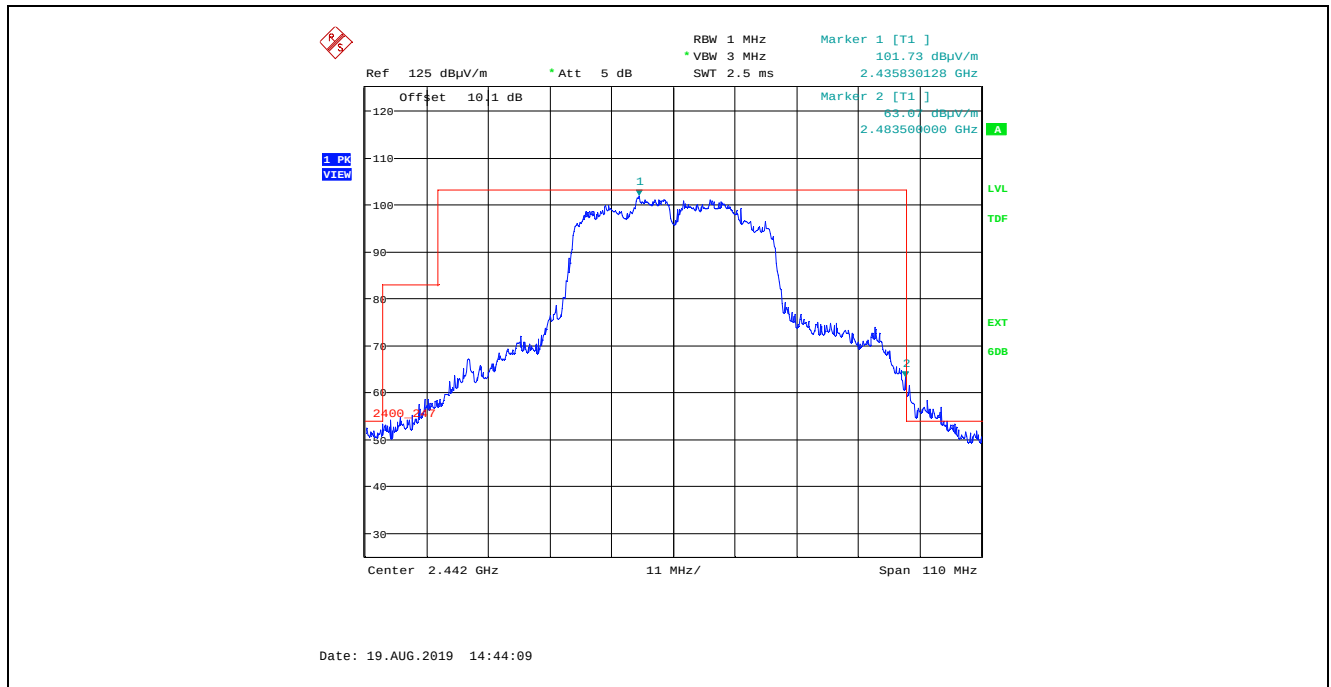
Plot 5.4.4.2.5.33. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 18, Channel 7, 2442 MHz



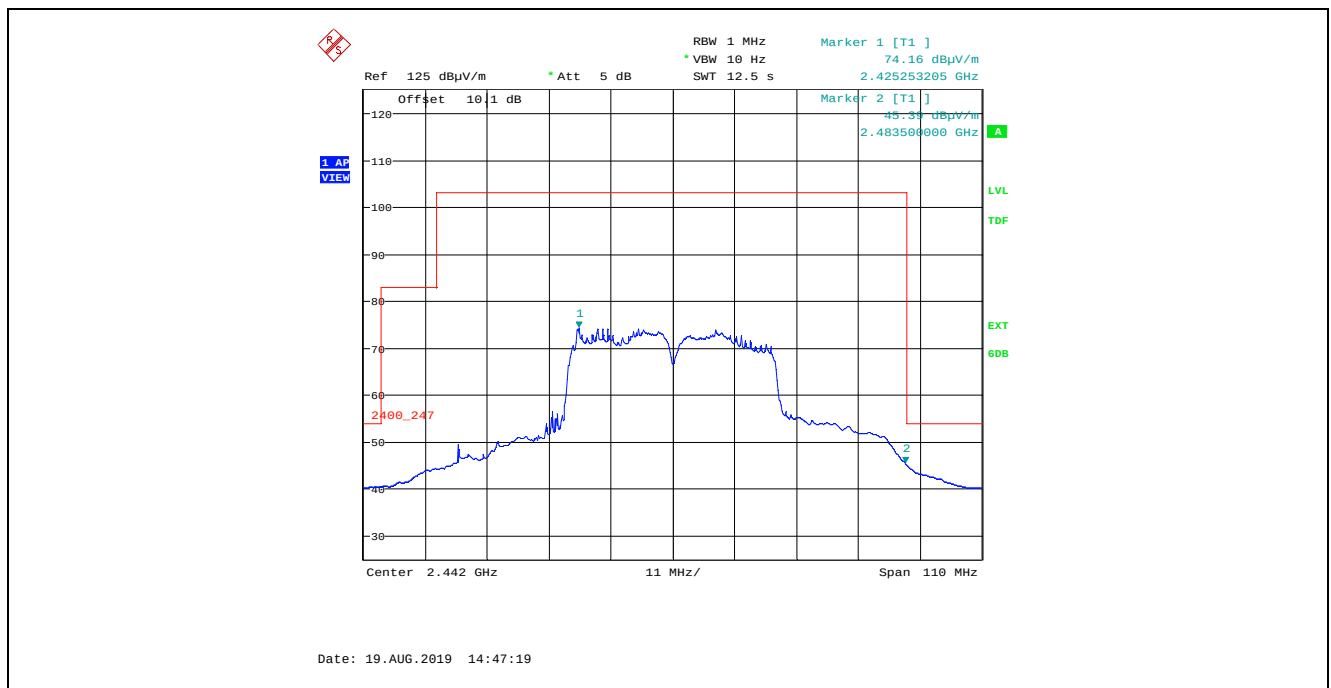
Plot 5.4.4.2.5.34. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 18, Channel 7, 2442 MHz



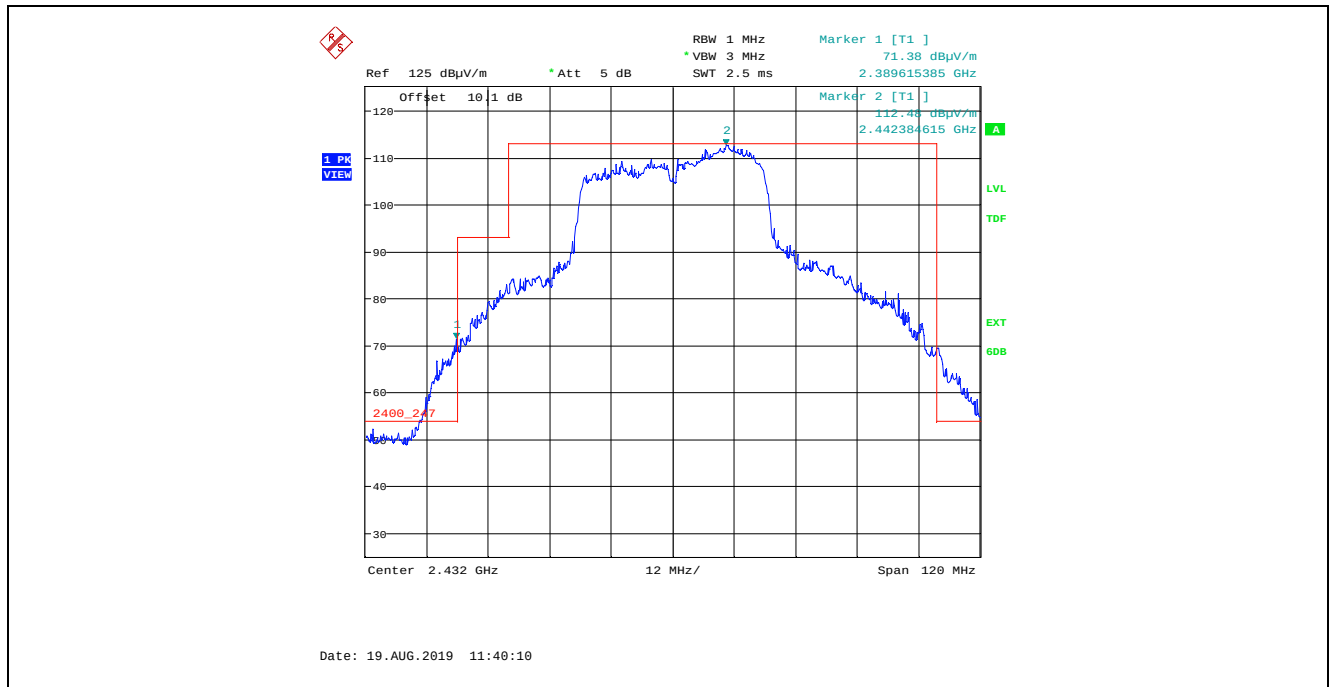
Plot 5.4.4.2.5.35. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 18, Channel 7, 2442 MHz



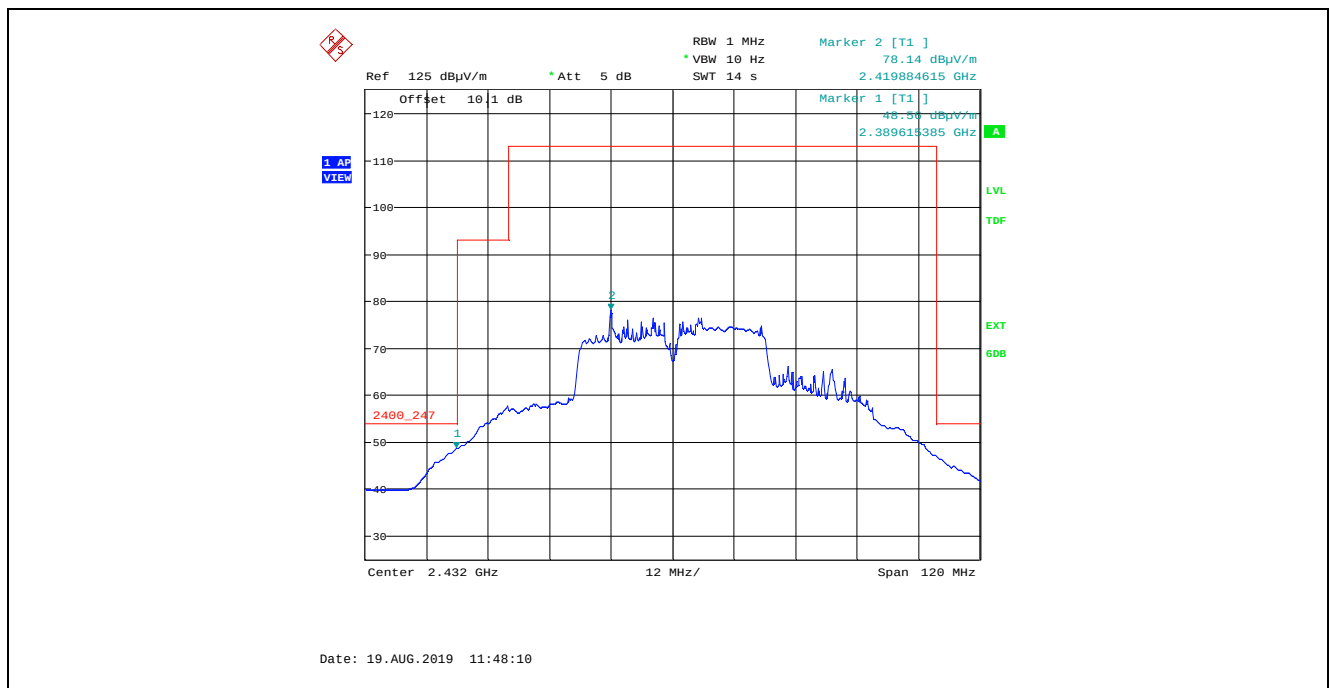
Plot 5.4.4.2.5.36. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 4, 16-QAM $\frac{3}{4}$ 90.0Mbps, Power Setting 18, Channel 7, 2442 MHz



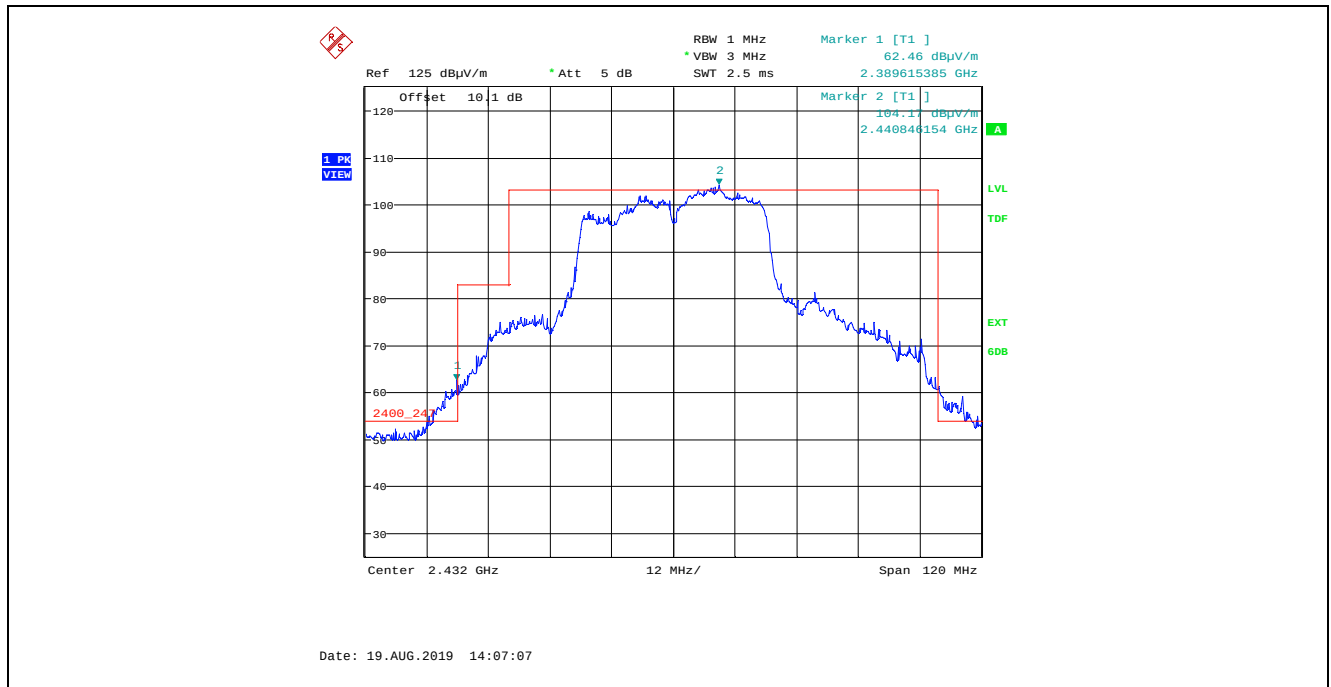
Plot 5.4.4.2.5.37. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 20, Channel 5, 2432 MHz



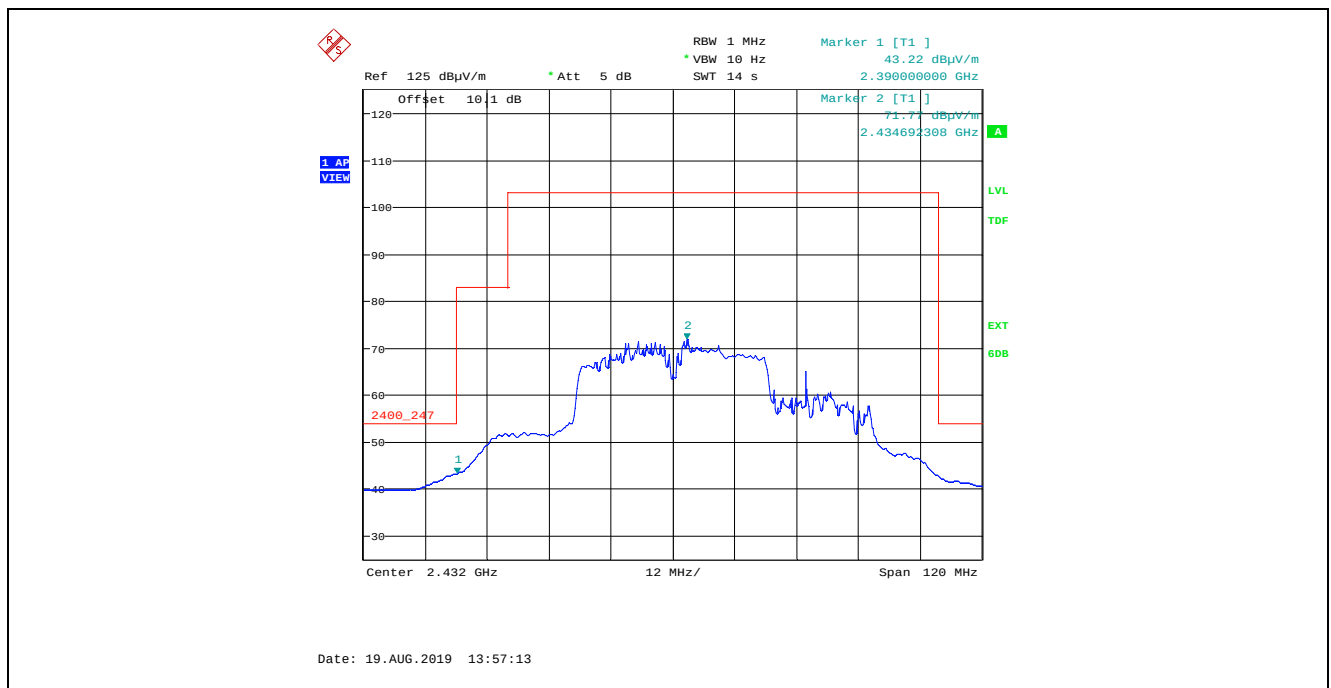
Plot 5.4.4.2.5.38. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 20, Channel 5, 2432 MHz



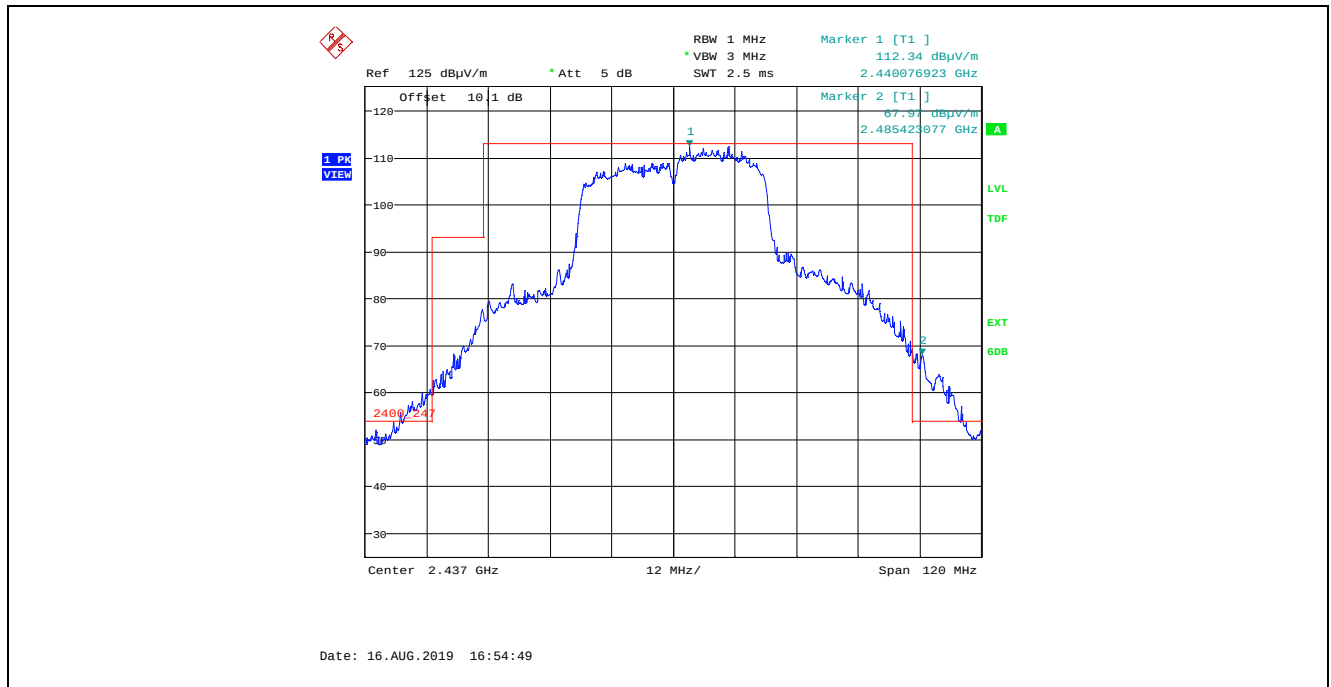
Plot 5.4.4.2.5.39. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 20, Channel 5, 2432 MHz



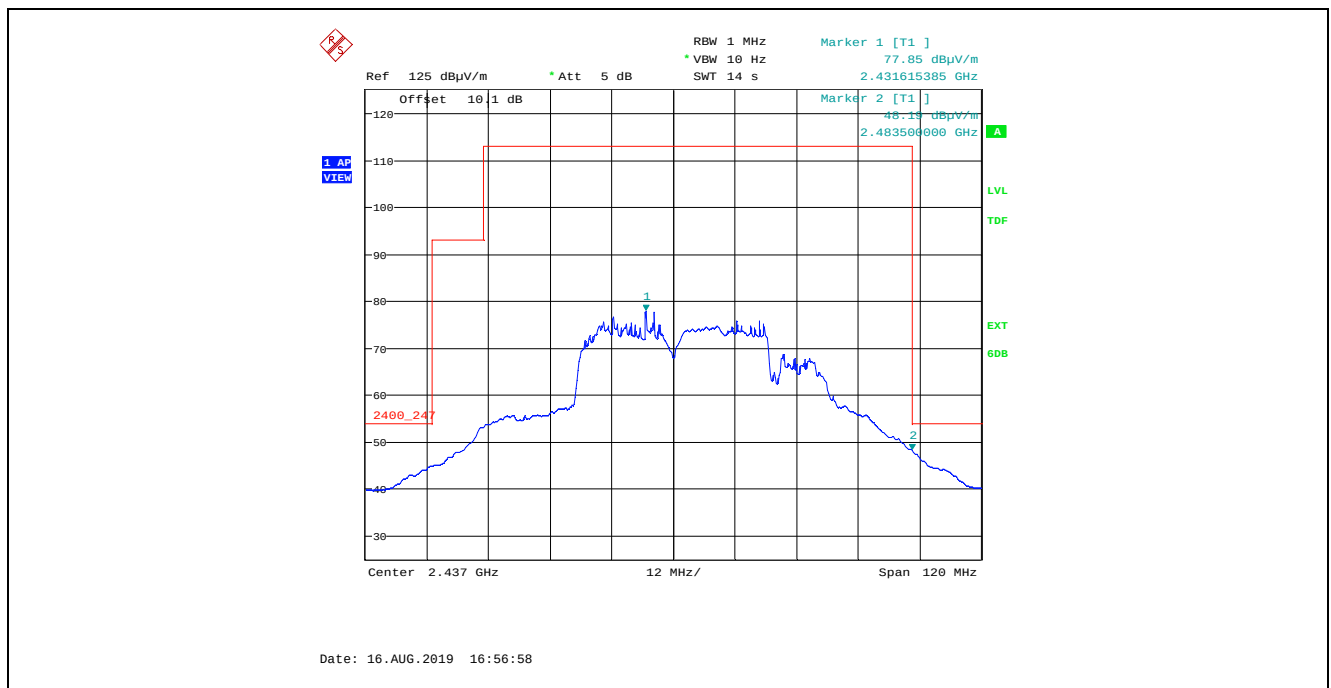
Plot 5.4.4.2.5.40. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 20, Channel 5, 2432 MHz



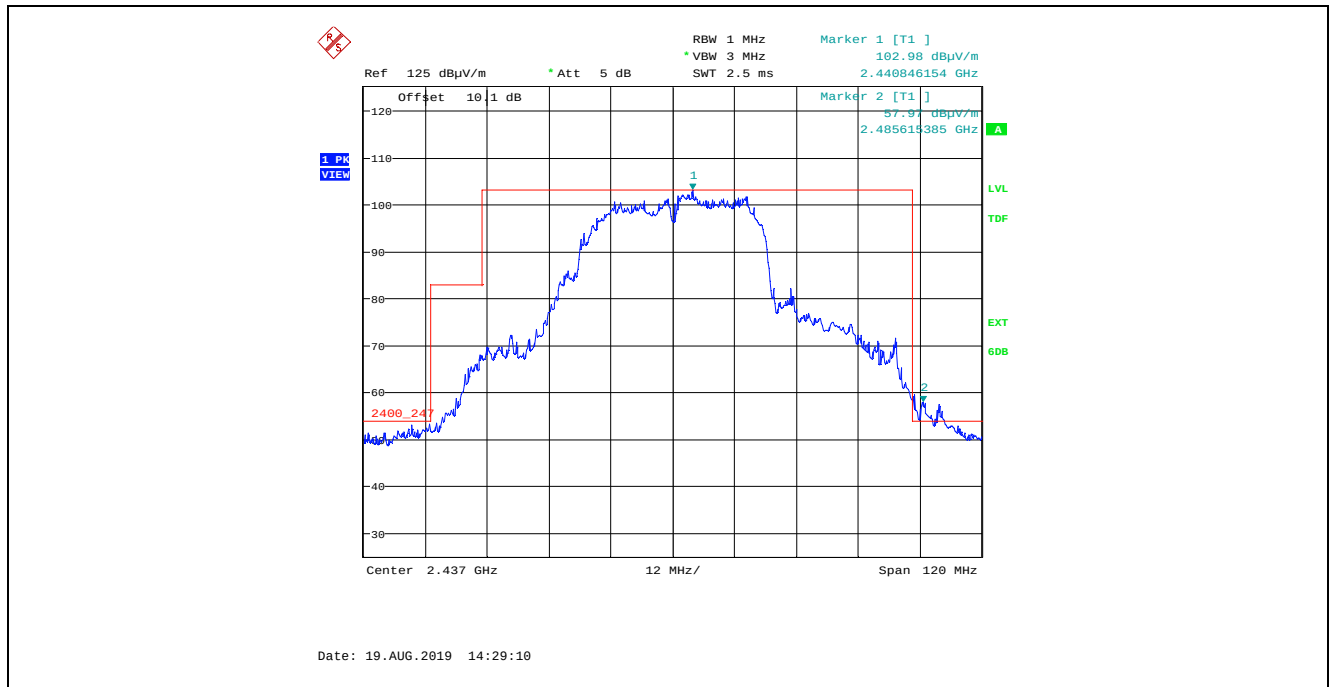
Plot 5.4.4.2.5.41. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 19, Channel 6, 2437 MHz



Plot 5.4.4.2.5.42. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 19, Channel 6, 2437 MHz



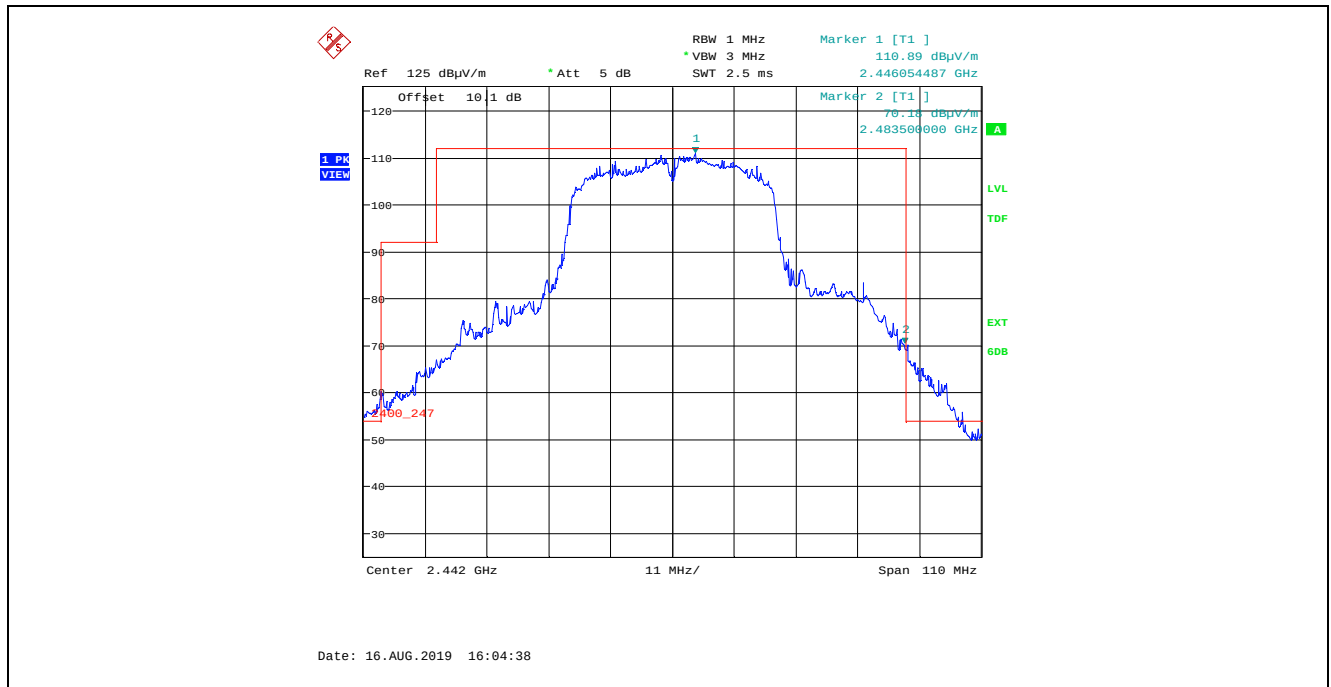
Plot 5.4.4.2.5.43. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 19, Channel 6, 2437 MHz



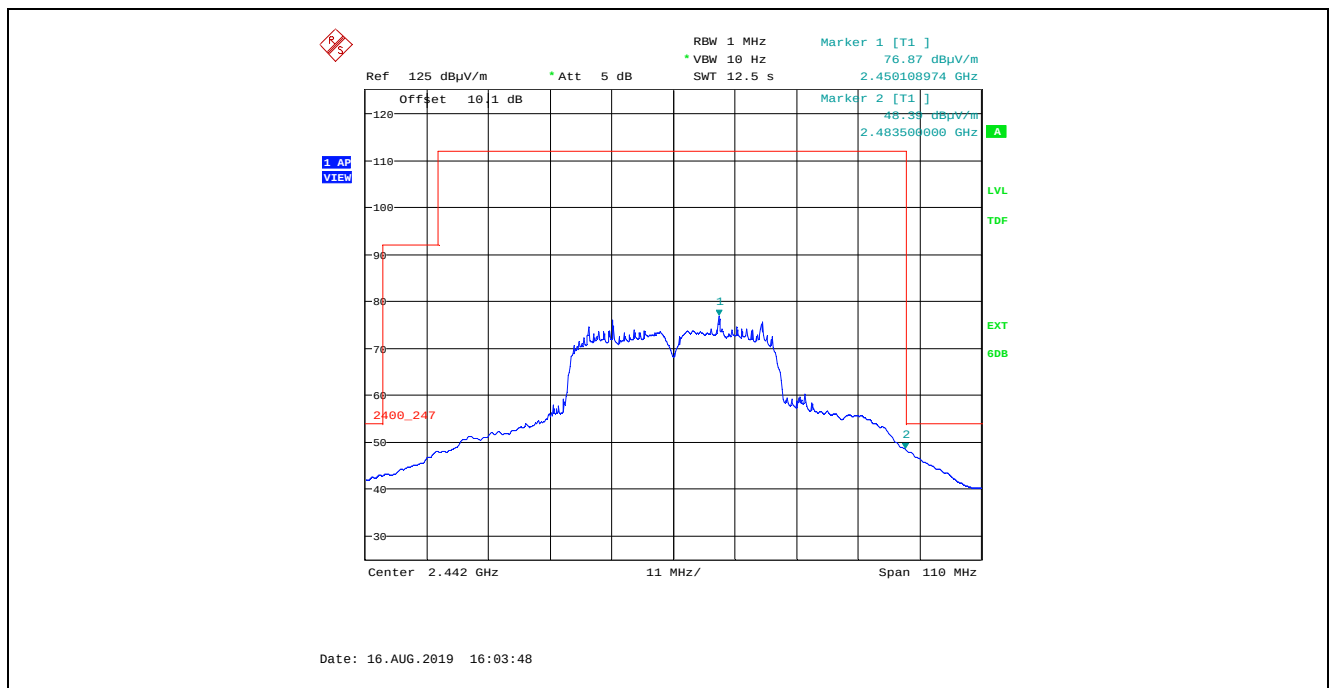
Plot 5.4.4.2.5.44. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 19, Channel 6, 2437 MHz



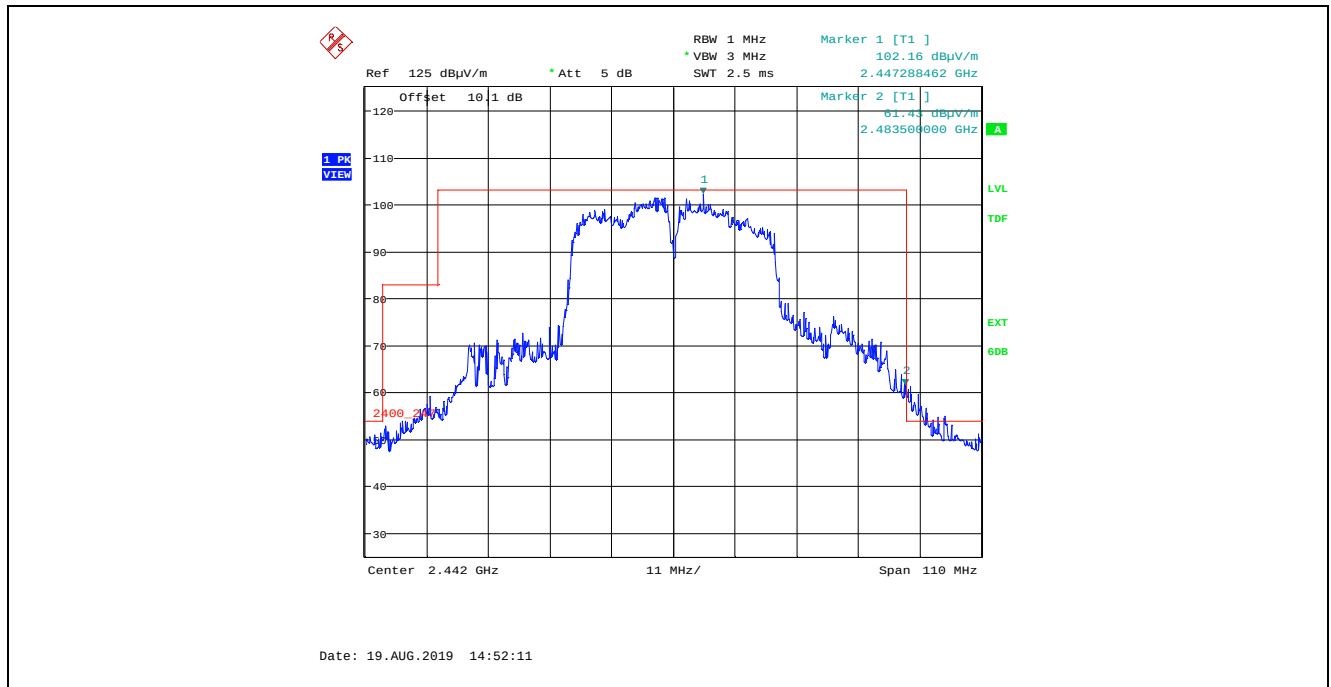
Plot 5.4.4.2.5.45. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 18, Channel 7, 2442 MHz



Plot 5.4.4.2.5.46. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 18, Channel 7, 2442 MHz



Plot 5.4.4.2.5.47. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 18, Channel 7, 2442 MHz

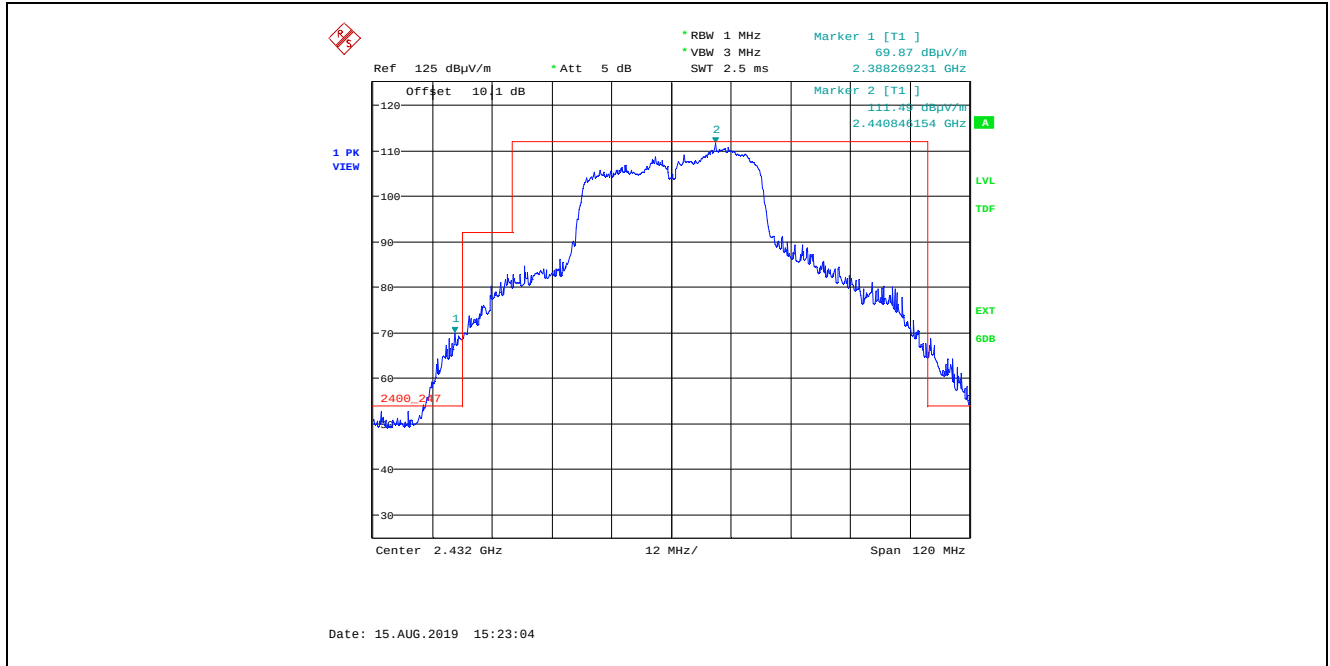


Plot 5.4.4.2.5.48. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 400 ns, MCS 7, 64-QAM 5/6 150.0Mbps, Power Setting 18, Channel 7, 2442 MHz

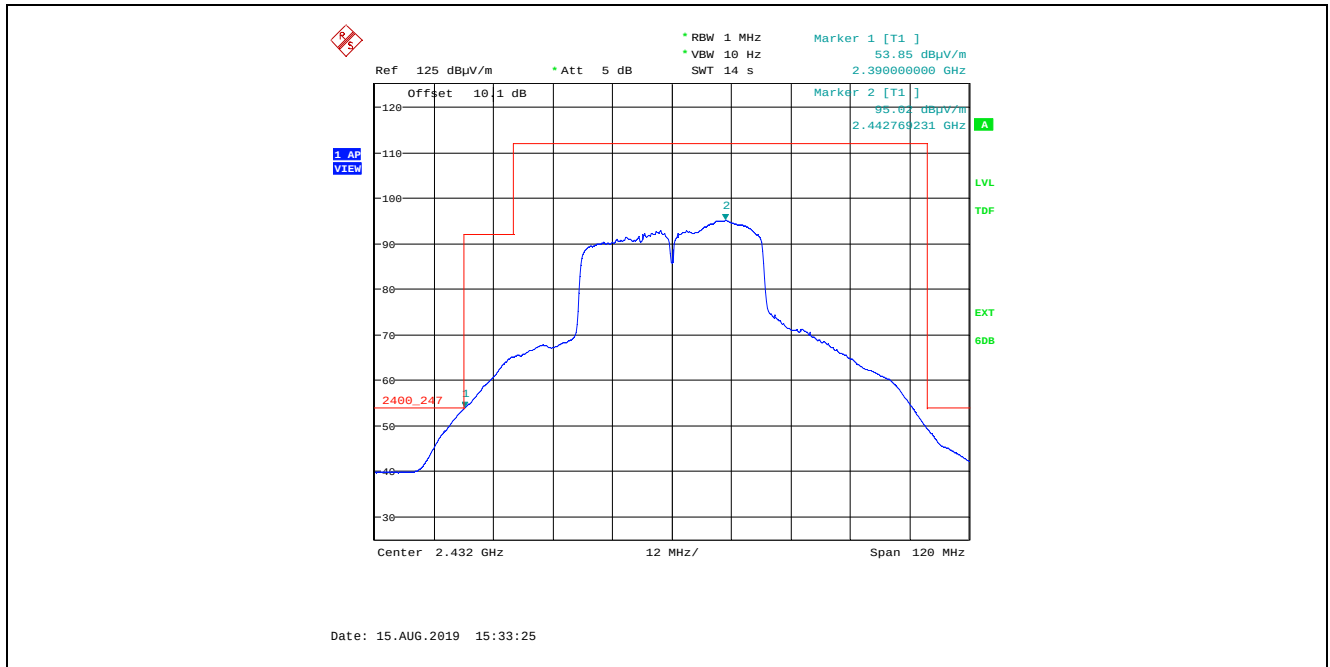


5.4.4.2.6. Band-Edge RF Radiated Emissions for 802.11n HT40, 800 ns

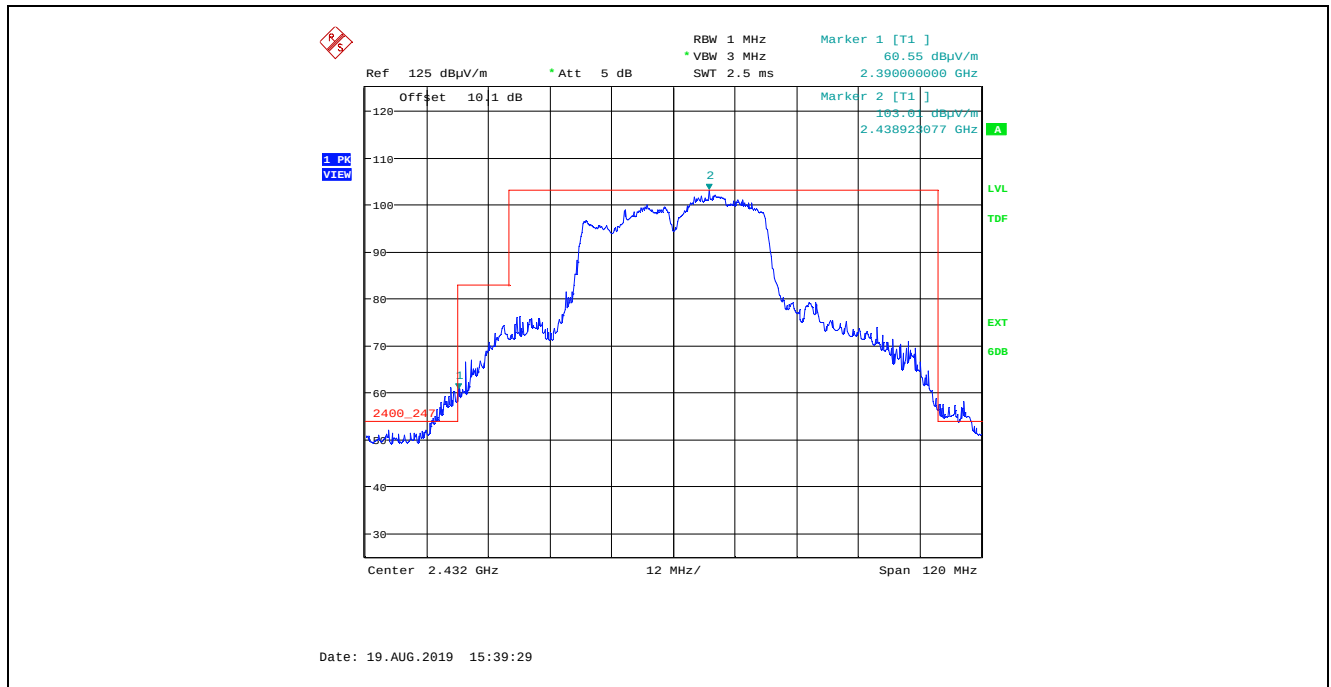
Plot 5.4.4.2.6.1. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 20, Channel 5, 2432 MHz



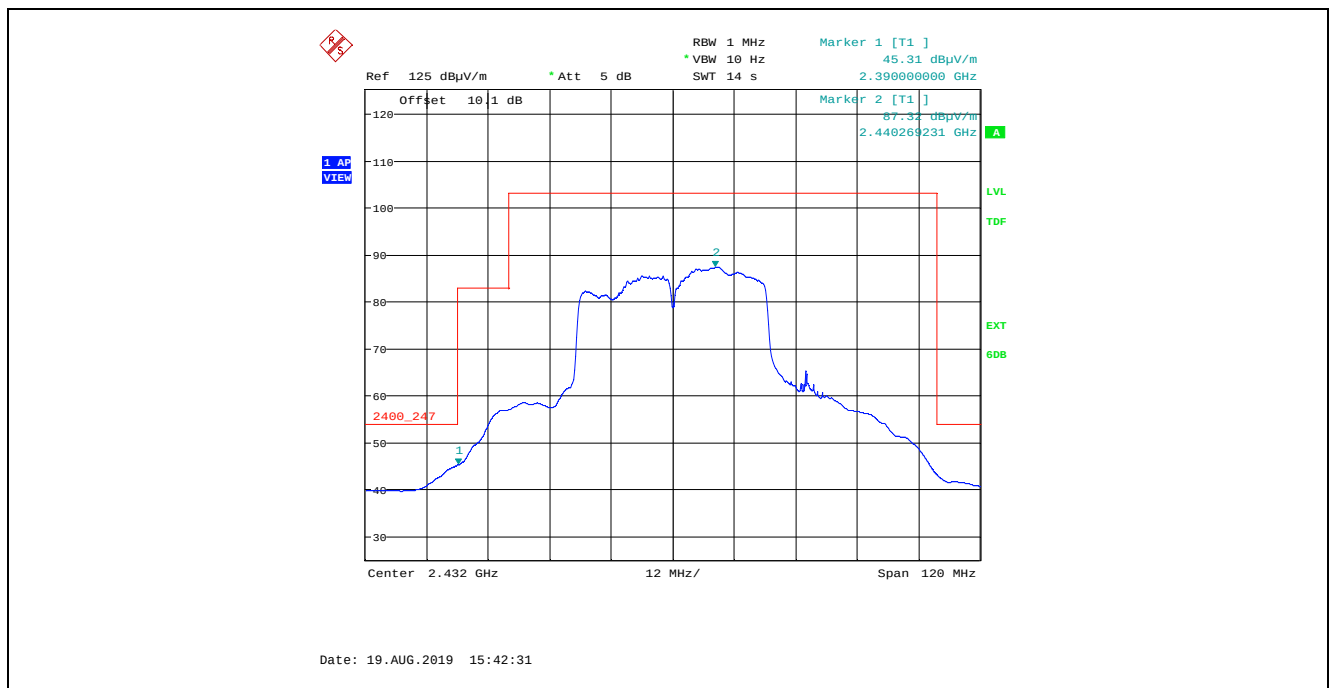
Plot 5.4.4.2.6.2. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11N HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 20, Channel 5, 2432 MHz



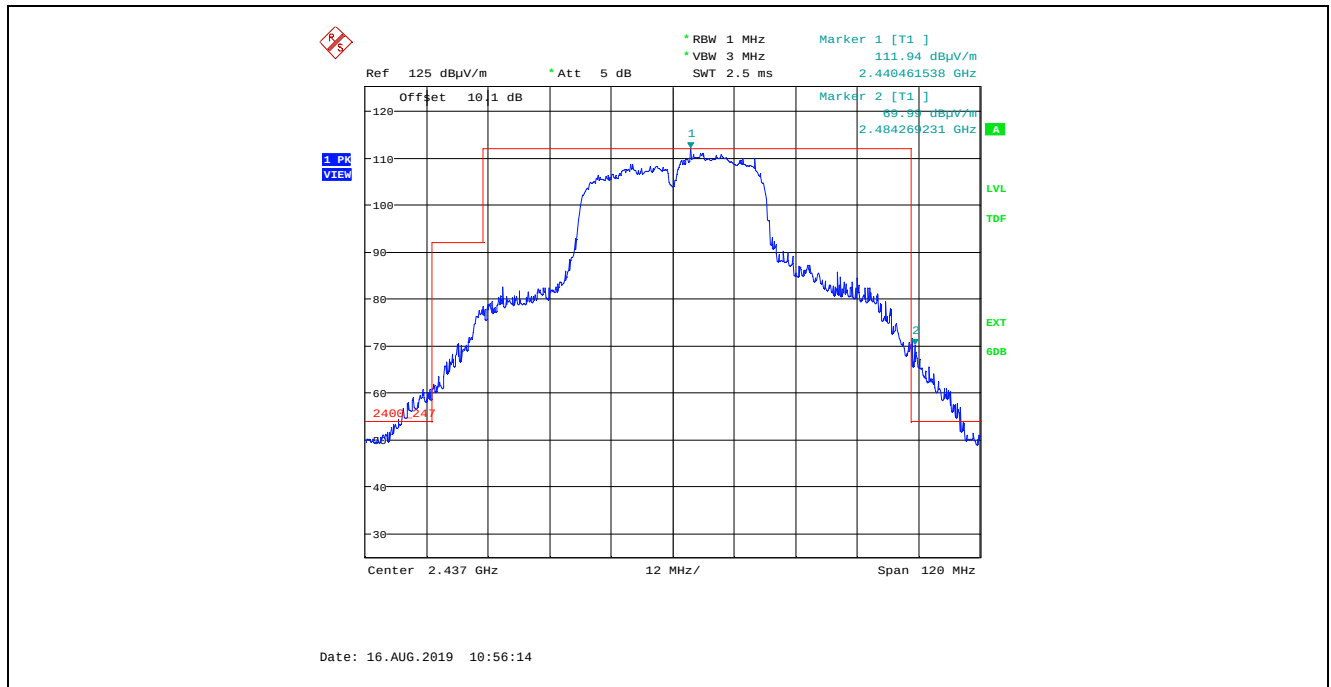
Plot 5.4.4.2.6.3. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 20, Channel 5, 2432 MHz



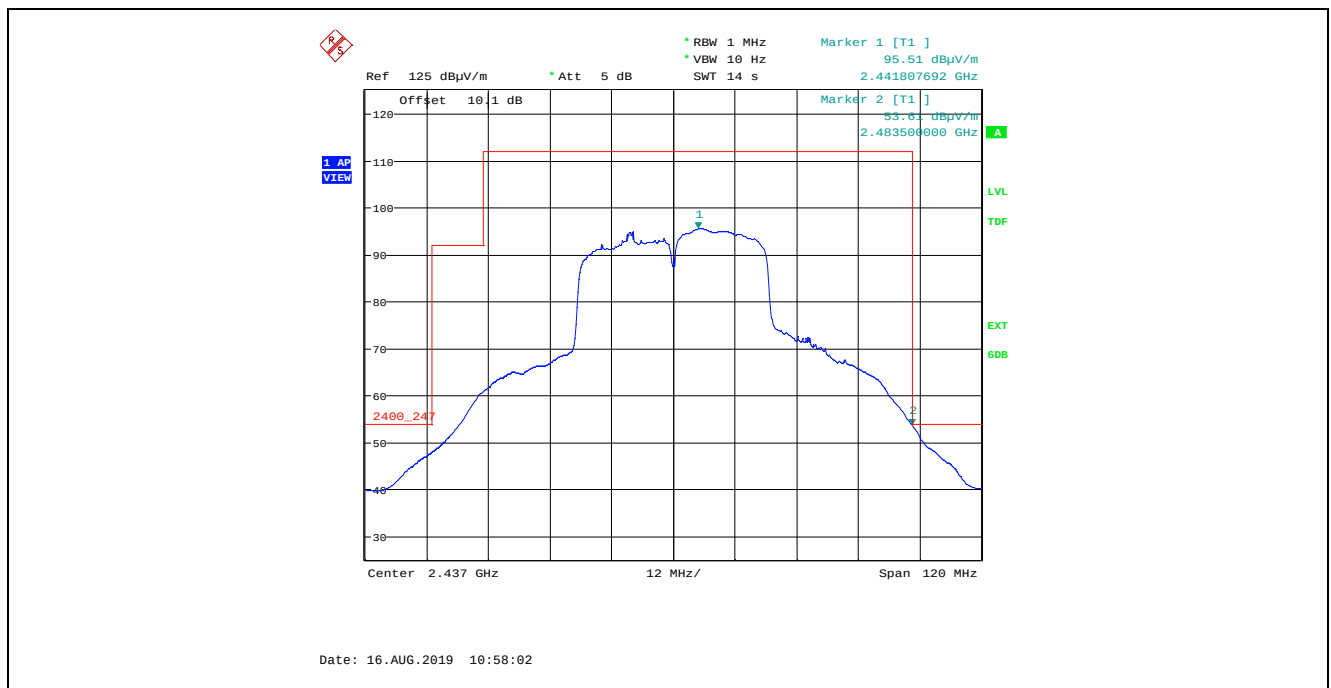
Plot 5.4.4.2.6.4. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 20, Channel 5, 2432 MHz



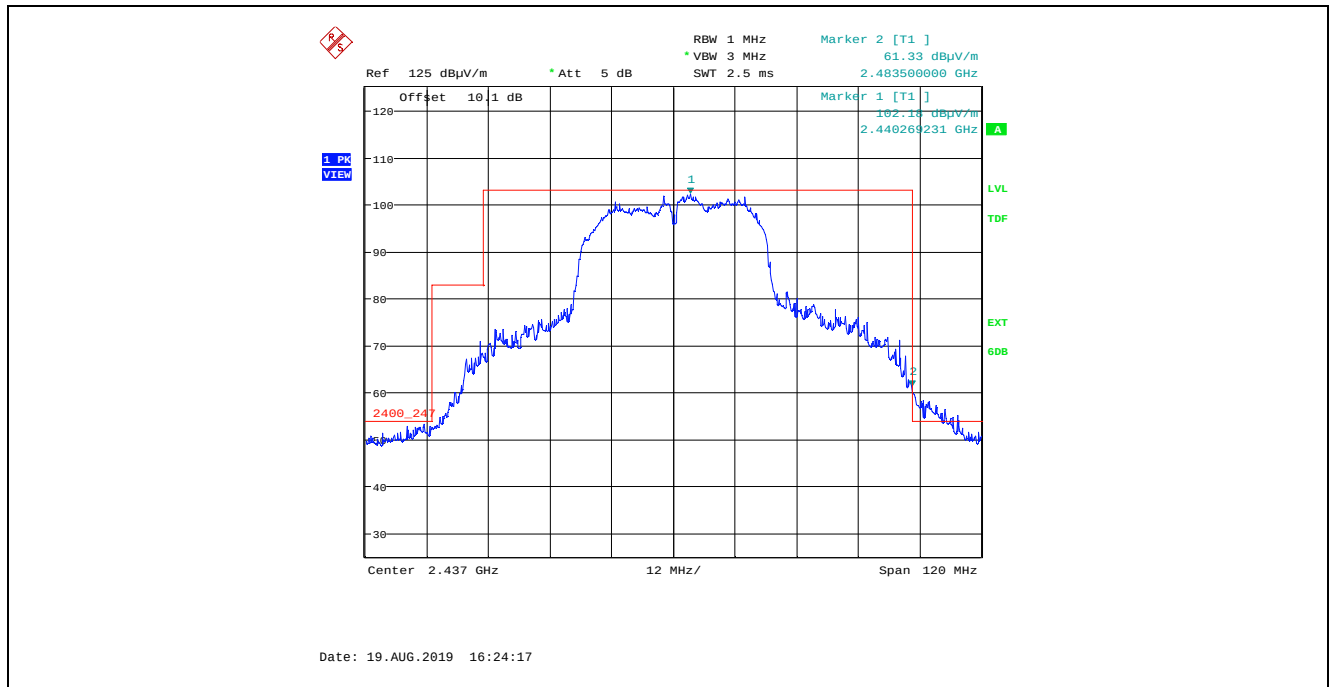
Plot 5.4.4.2.6.5. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 20, Channel 6, 2437 MHz



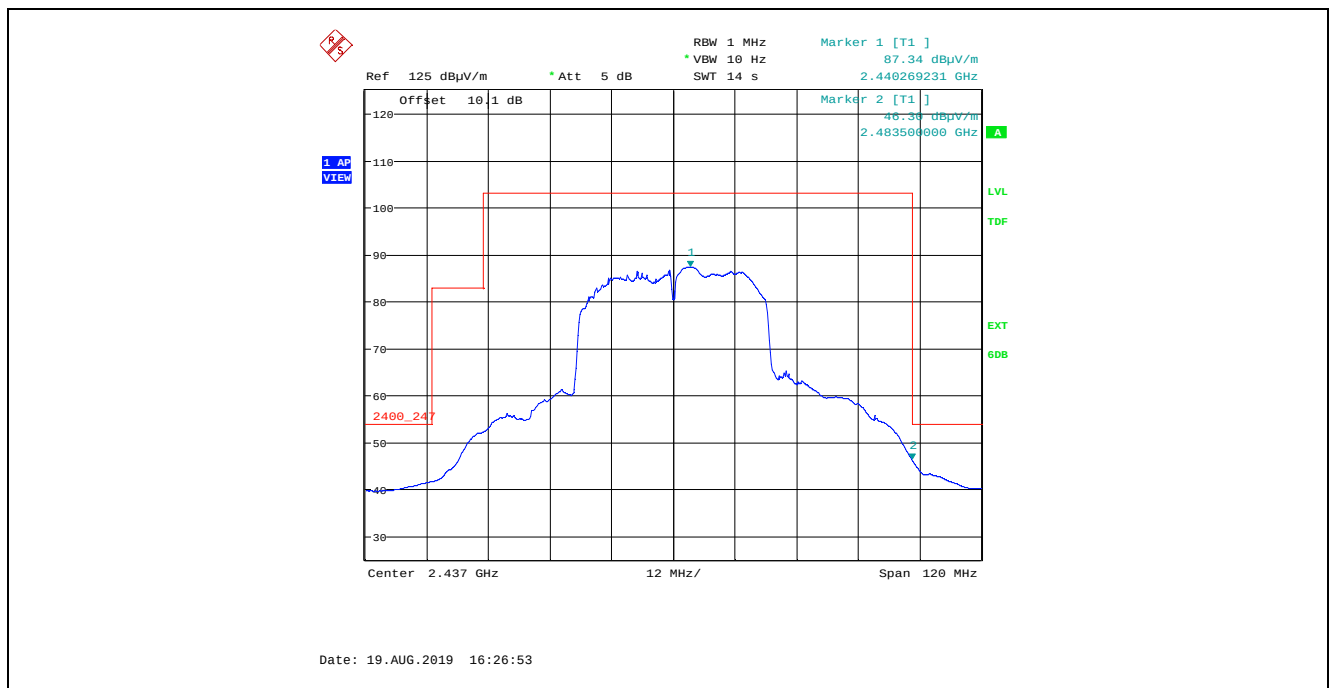
Plot 5.4.4.2.6.6. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 20, Channel 6, 2437 MHz



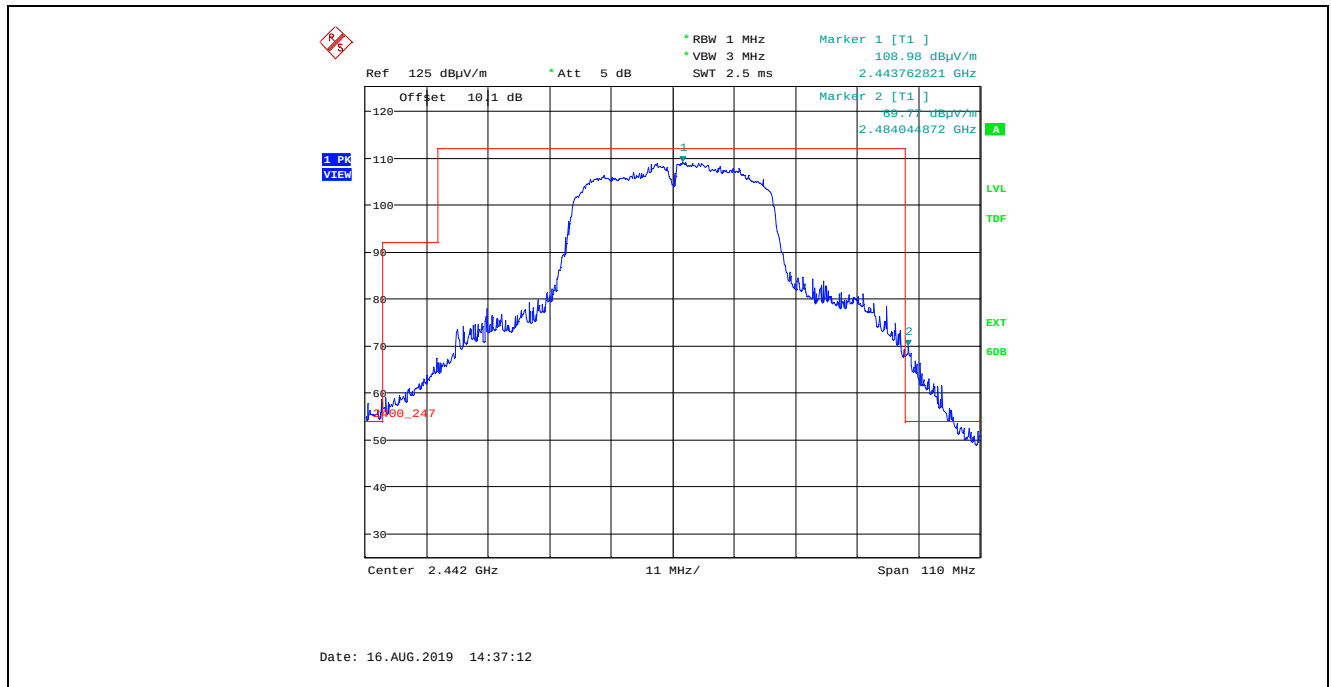
Plot 5.4.4.2.6.7. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 20, Channel 6, 2437 MHz



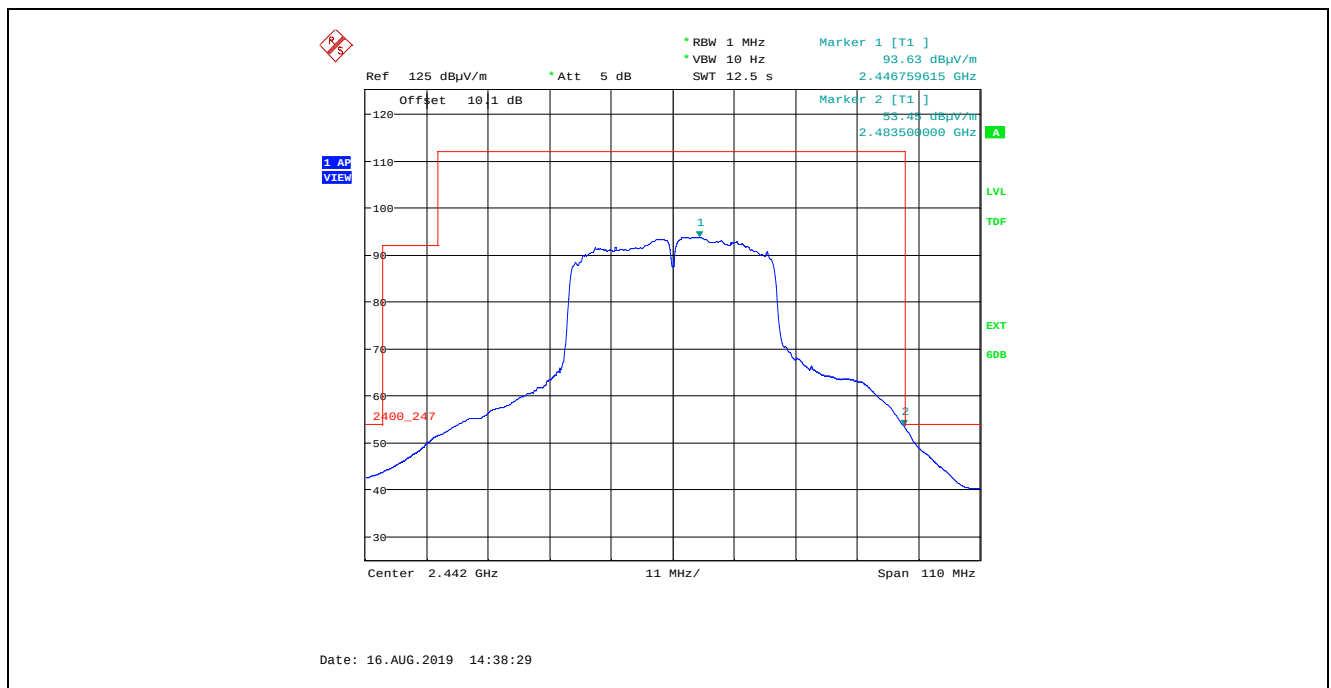
Plot 5.4.4.2.6.8. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 20, Channel 6, 2437 MHz



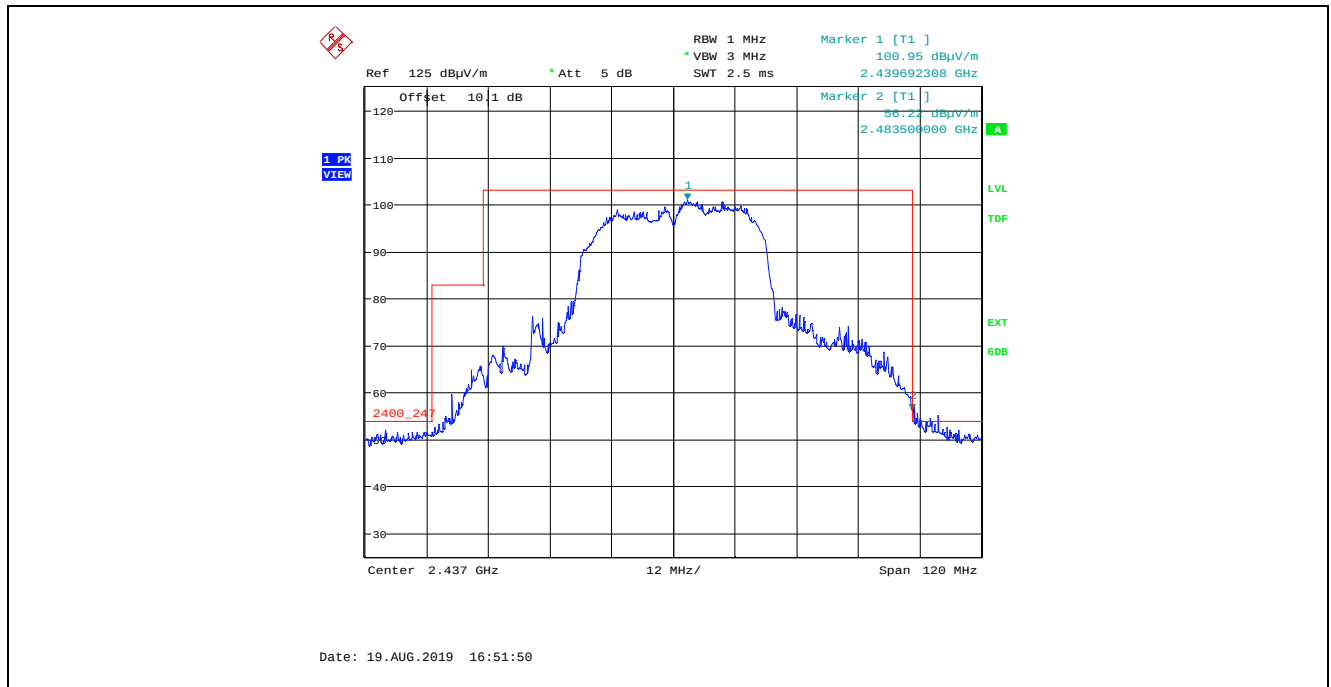
Plot 5.4.4.2.6.9. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 18, Channel 7, 2442 MHz



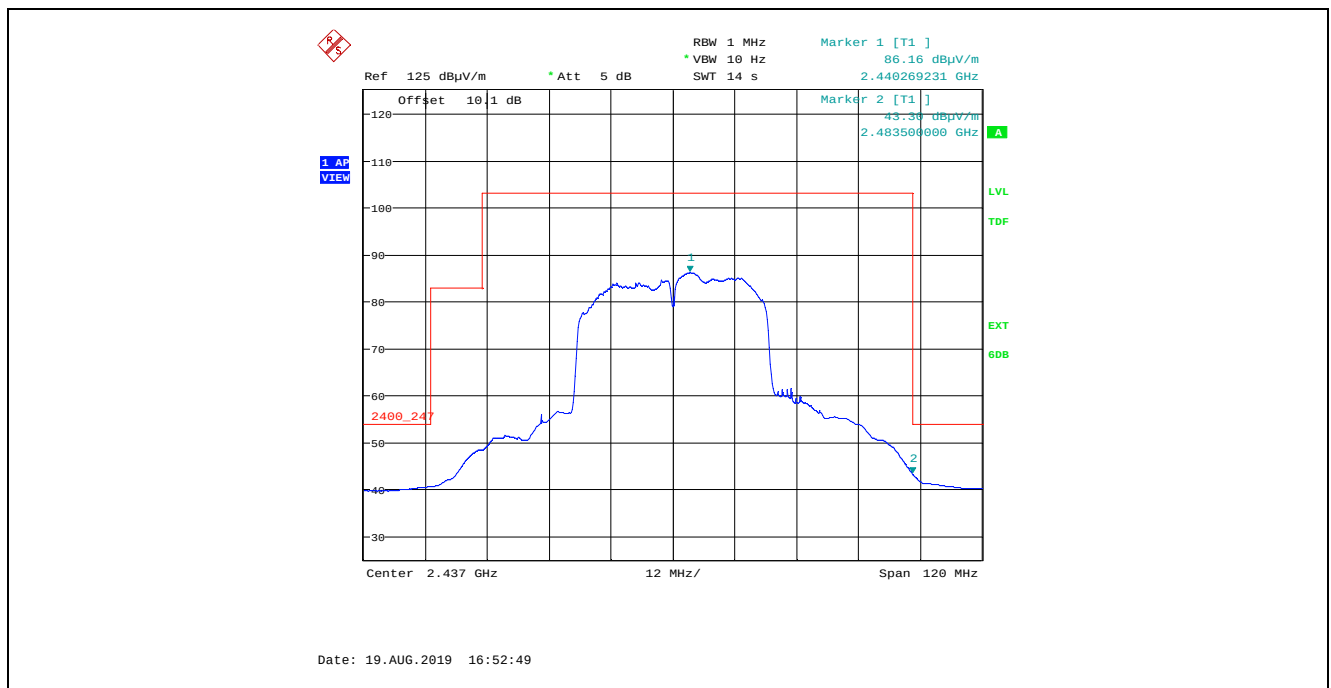
Plot 5.4.4.2.6.10. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 18, Channel 7, 2442 MHz



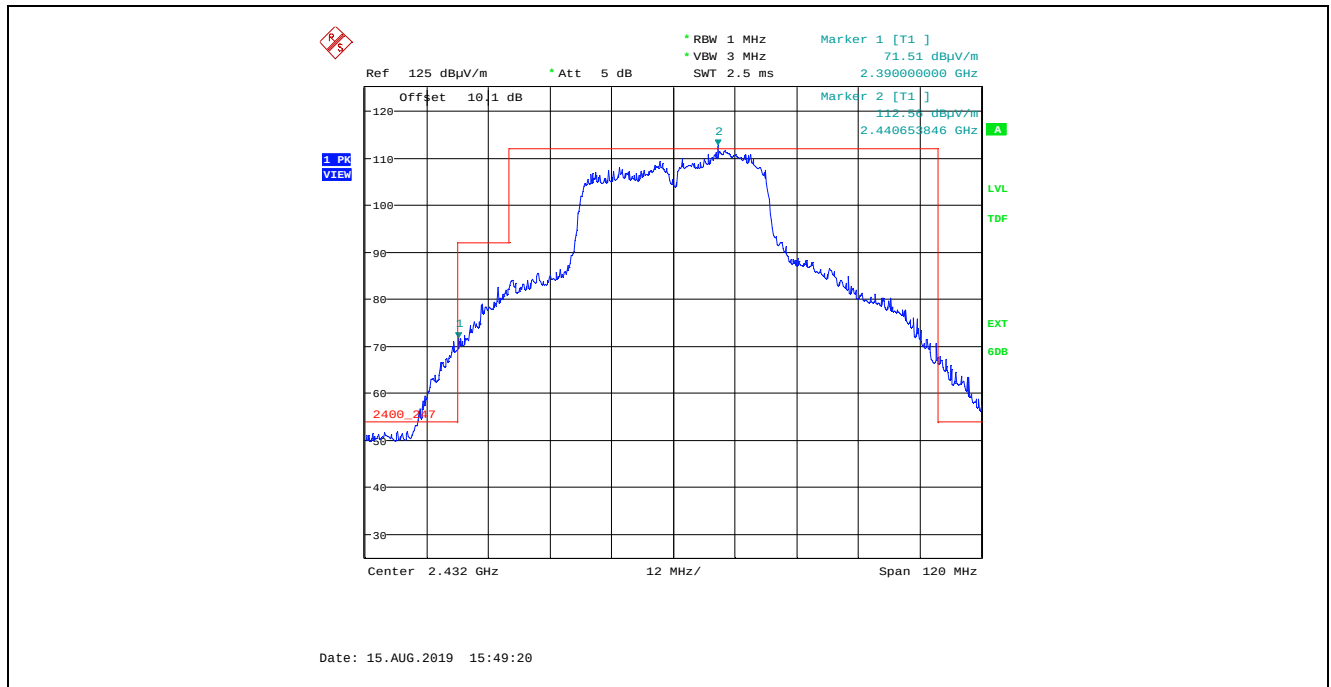
Plot 5.4.4.2.6.11. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 18, Channel 7, 2442 MHz



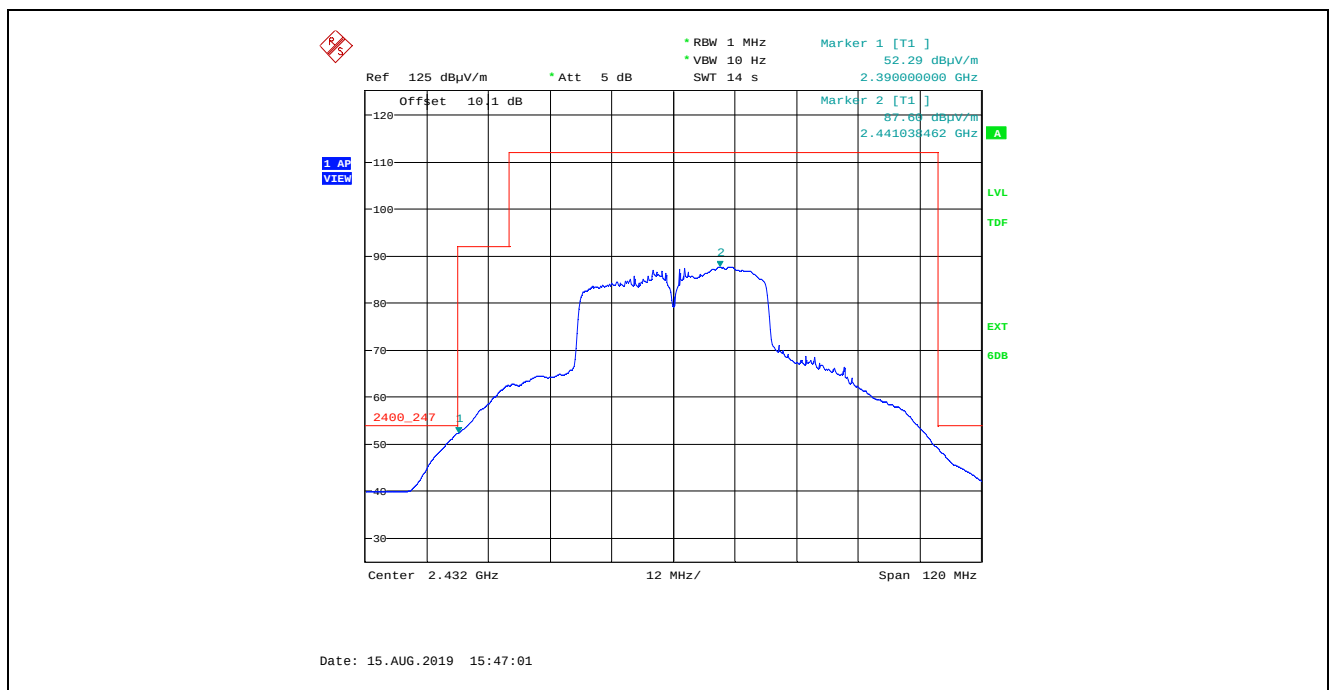
Plot 5.4.4.2.6.12. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 0, BPSK ½ 13.5Mbps, Power Setting 18, Channel 7, 2442 MHz



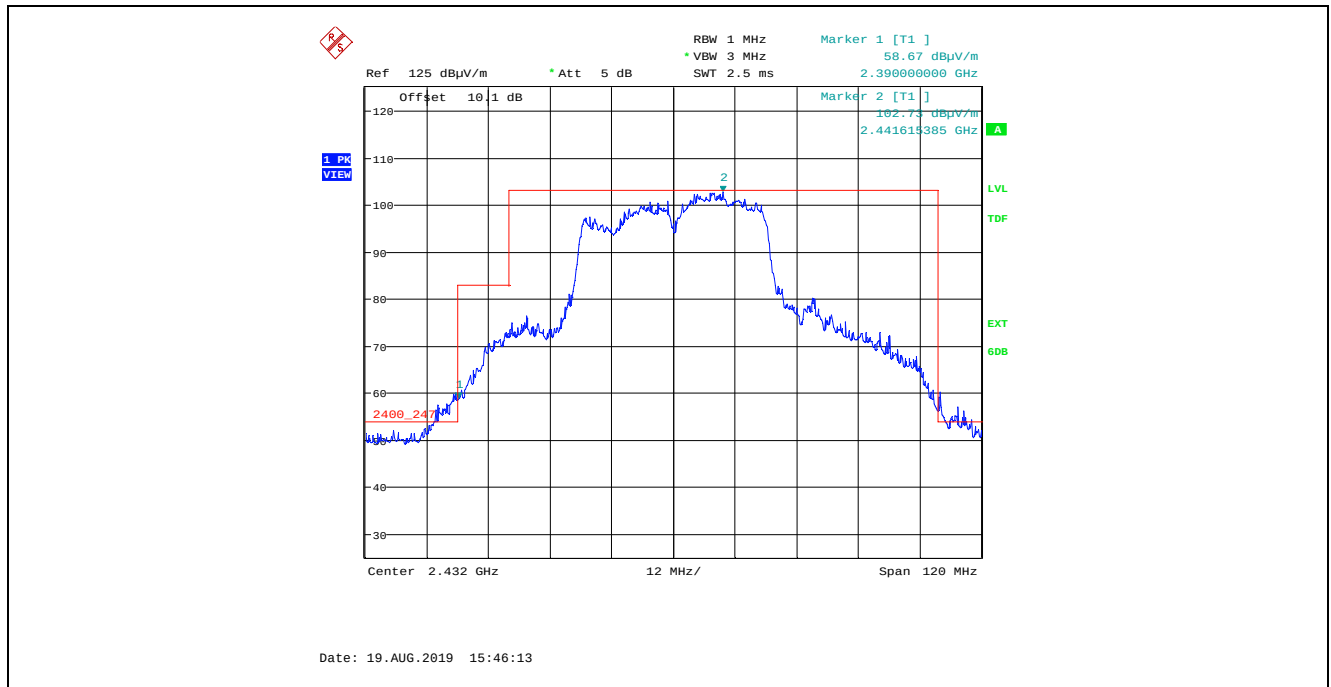
Plot 5.4.4.2.6.13. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 20, Channel 5, 2432 MHz



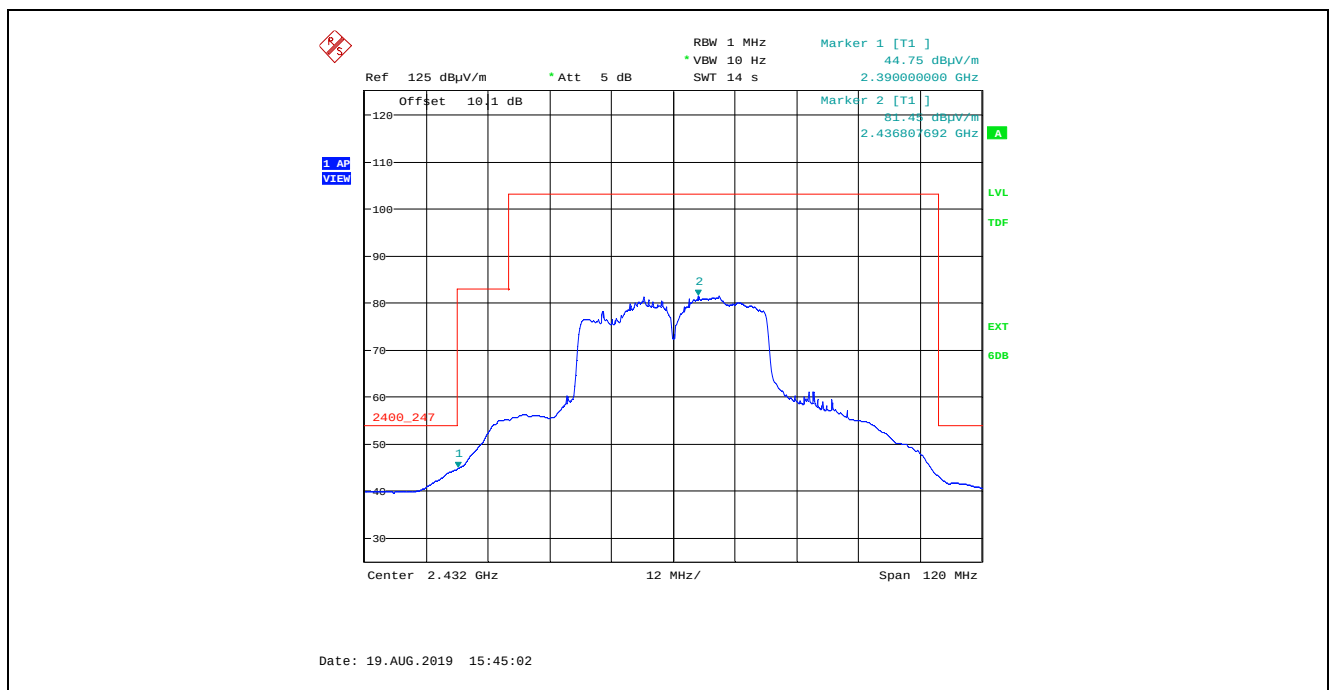
Plot 5.4.4.2.6.14. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 20, Channel 5, 2432 MHz



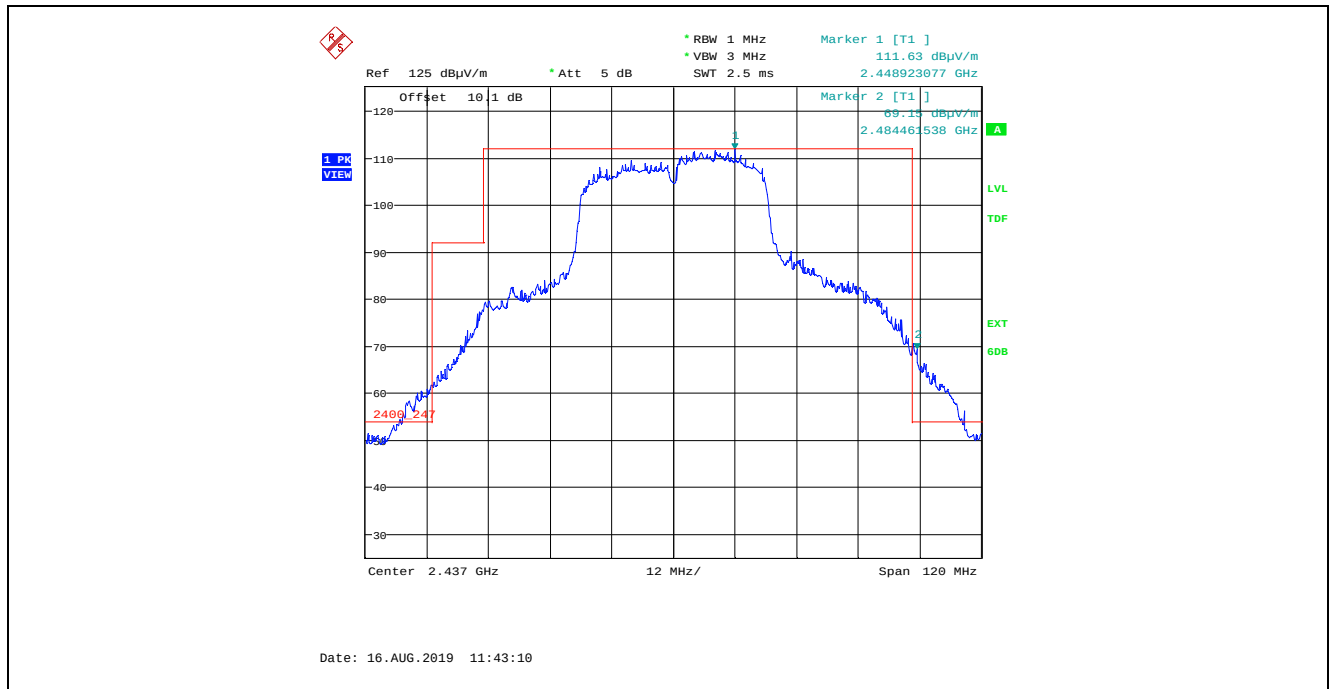
Plot 5.4.4.2.6.15. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 20, Channel 5, 2432 MHz



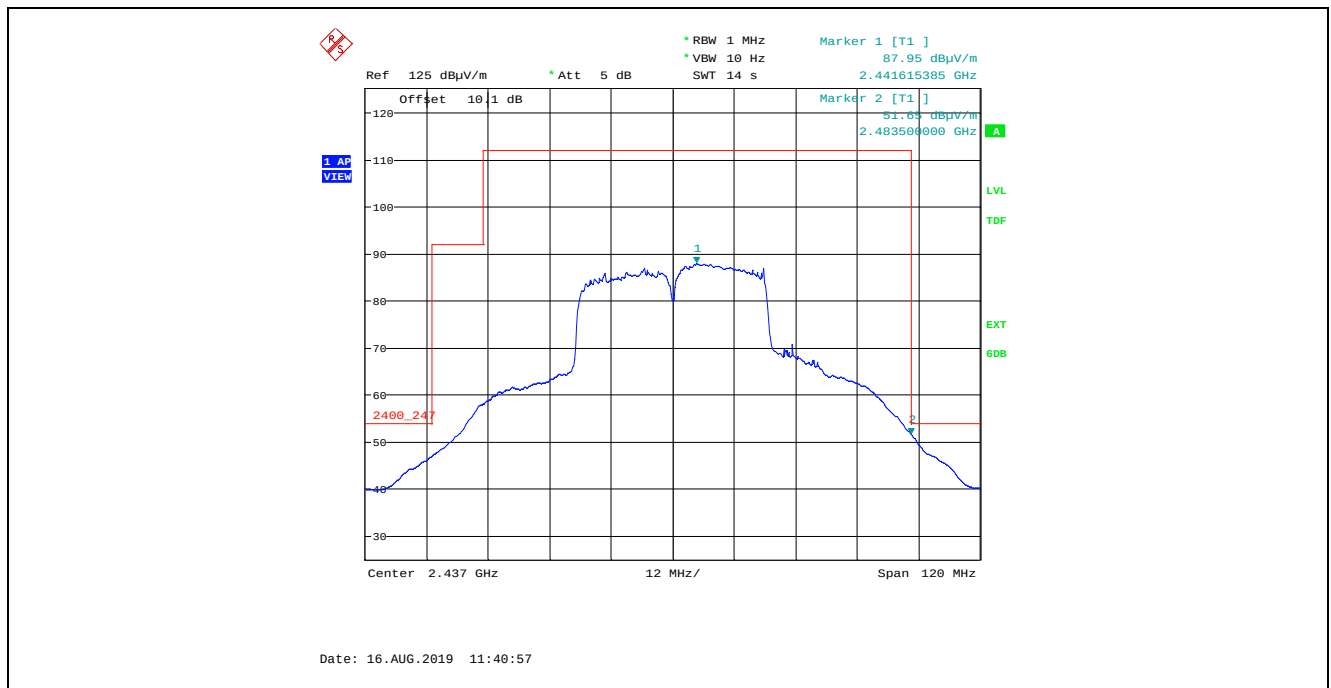
Plot 5.4.4.2.6.16. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 20, Channel 5, 2432 MHz



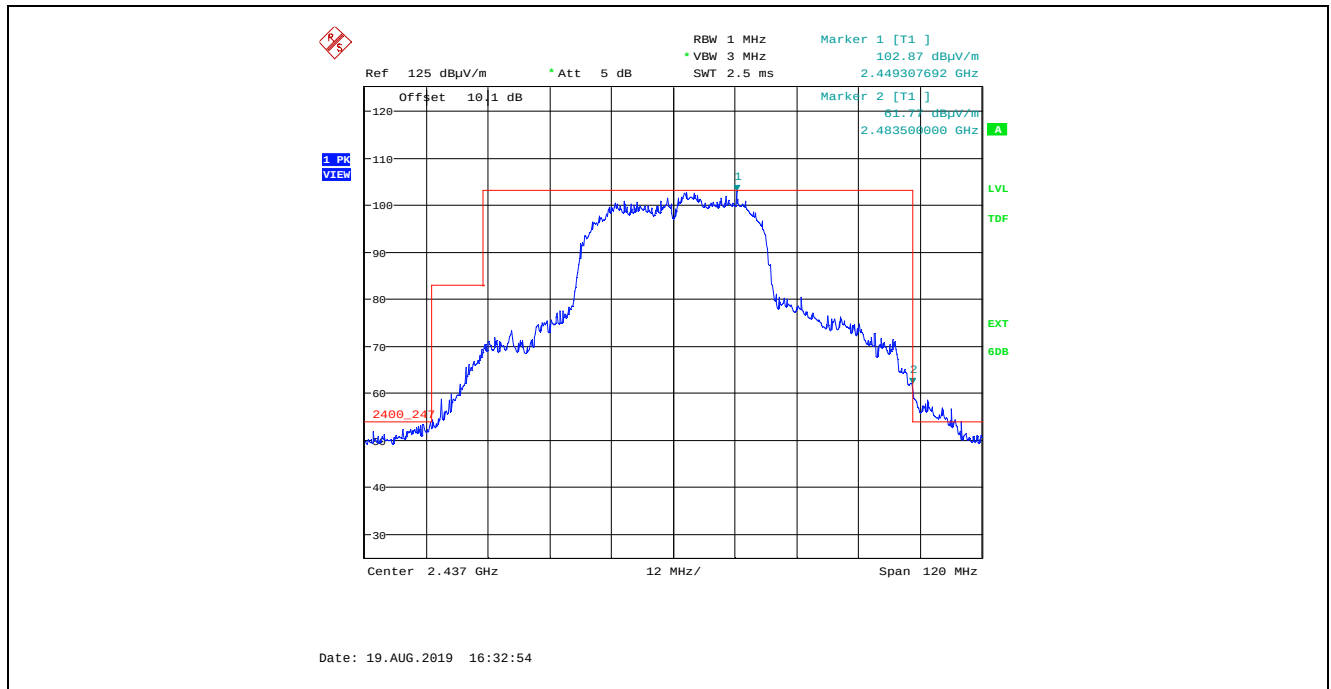
Plot 5.4.4.2.6.17. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 20, Channel 6, 2437 MHz



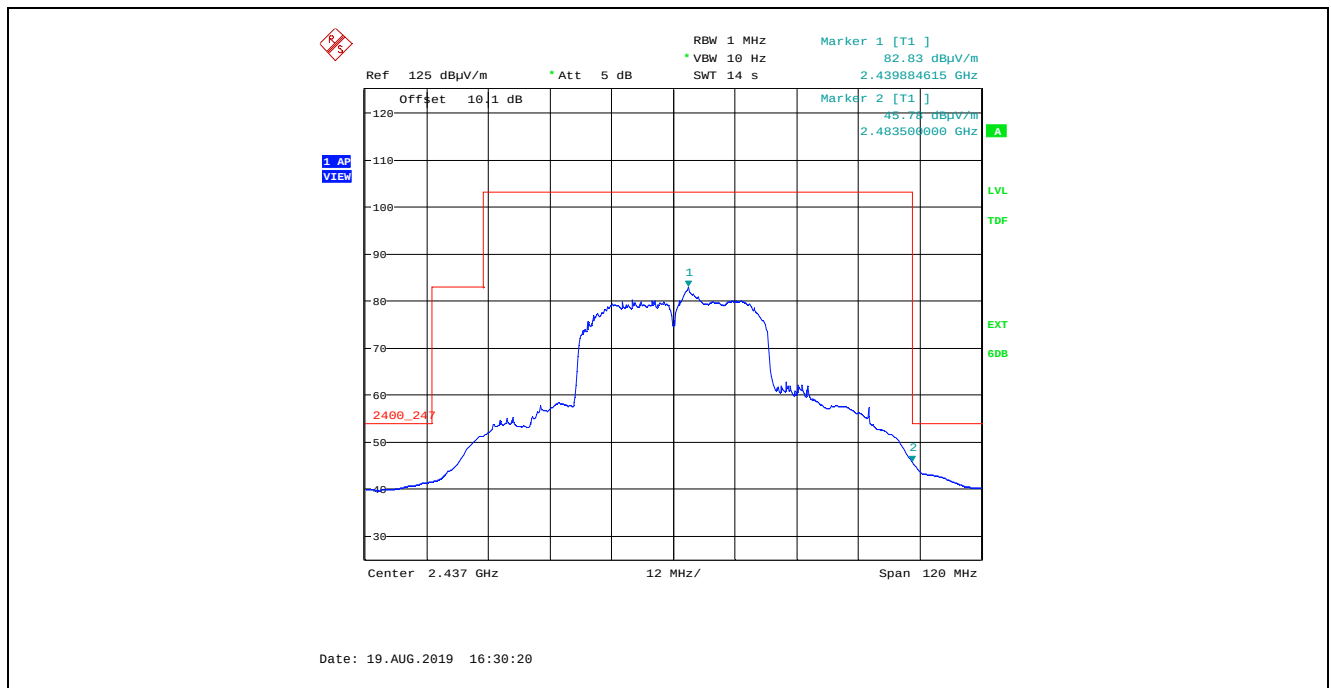
Plot 5.4.4.2.6.18. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 20, Channel 6, 2437 MHz



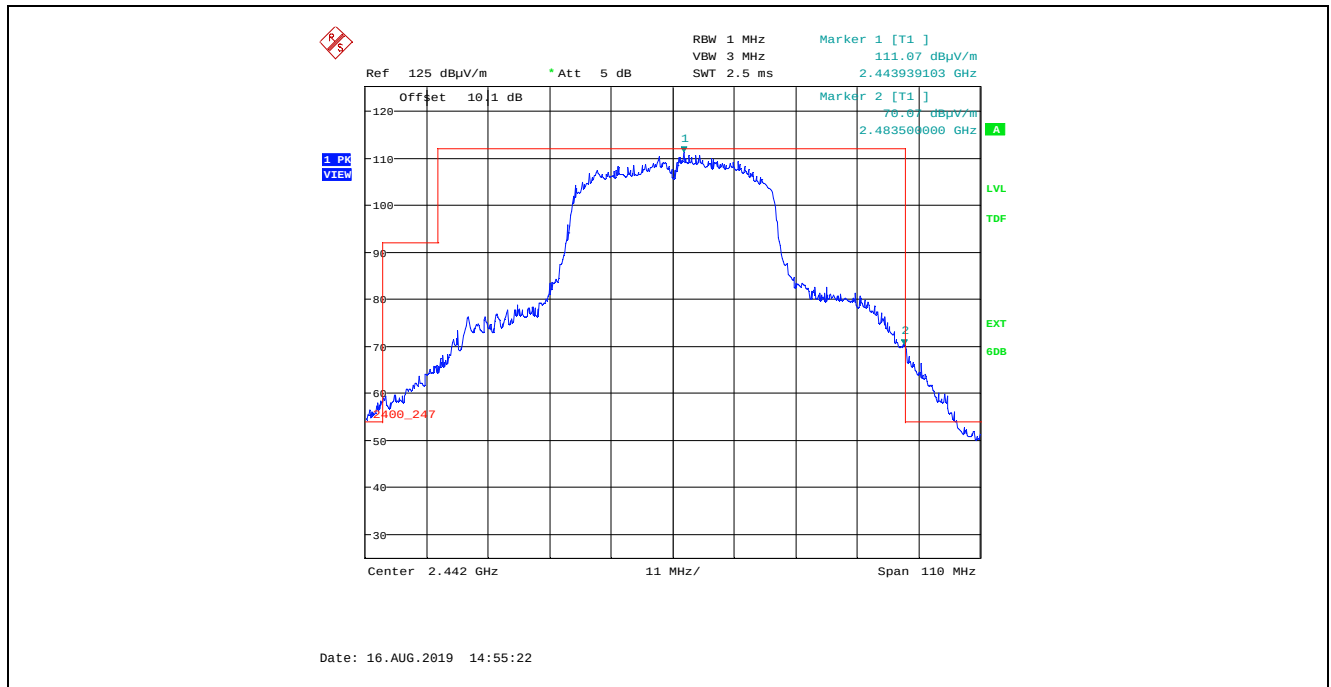
Plot 5.4.4.2.6.19. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 20, Channel 6, 2437 MHz



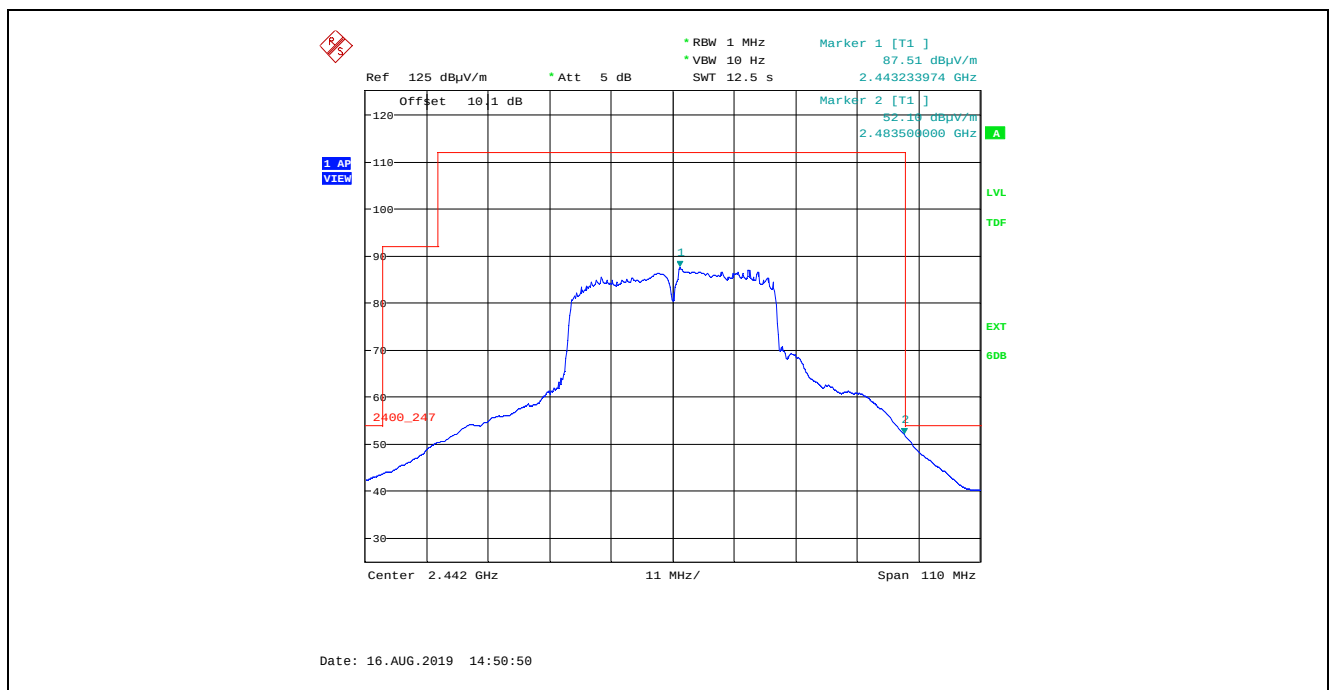
Plot 5.4.4.2.6.20. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 20, Channel 6, 2437 MHz



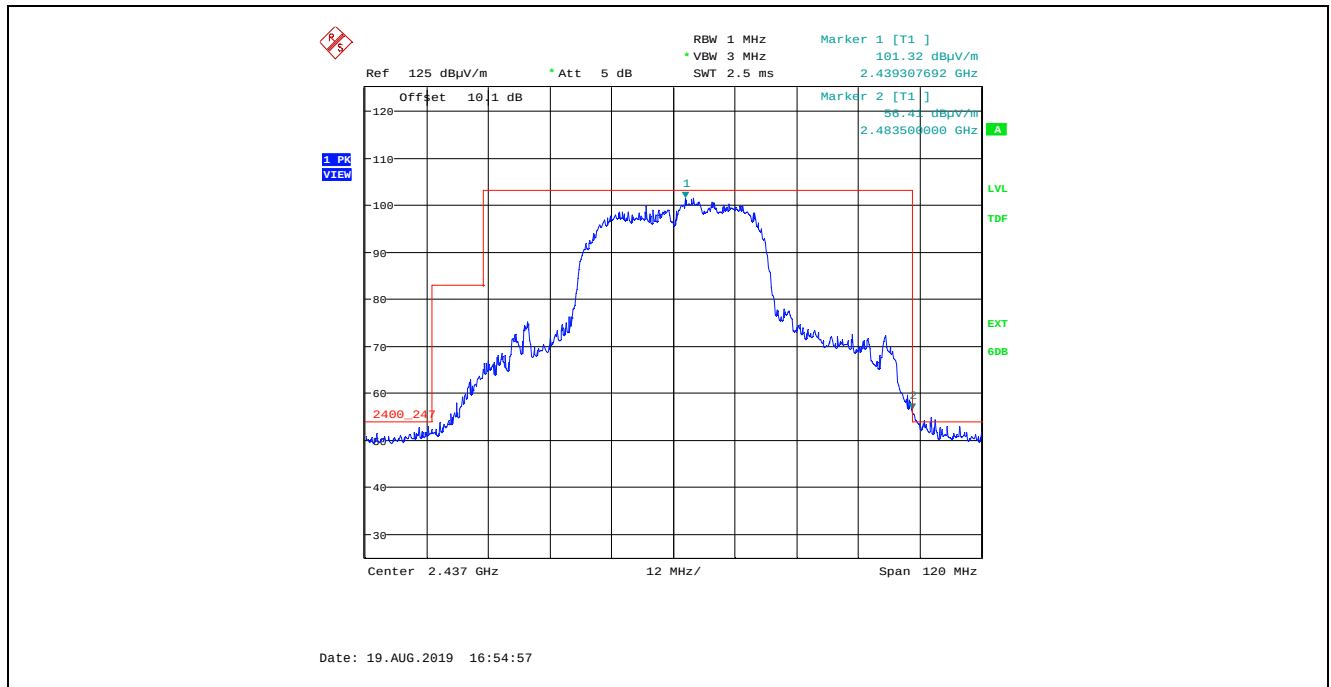
Plot 5.4.4.2.6.21. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 18, Channel 7, 2442 MHz



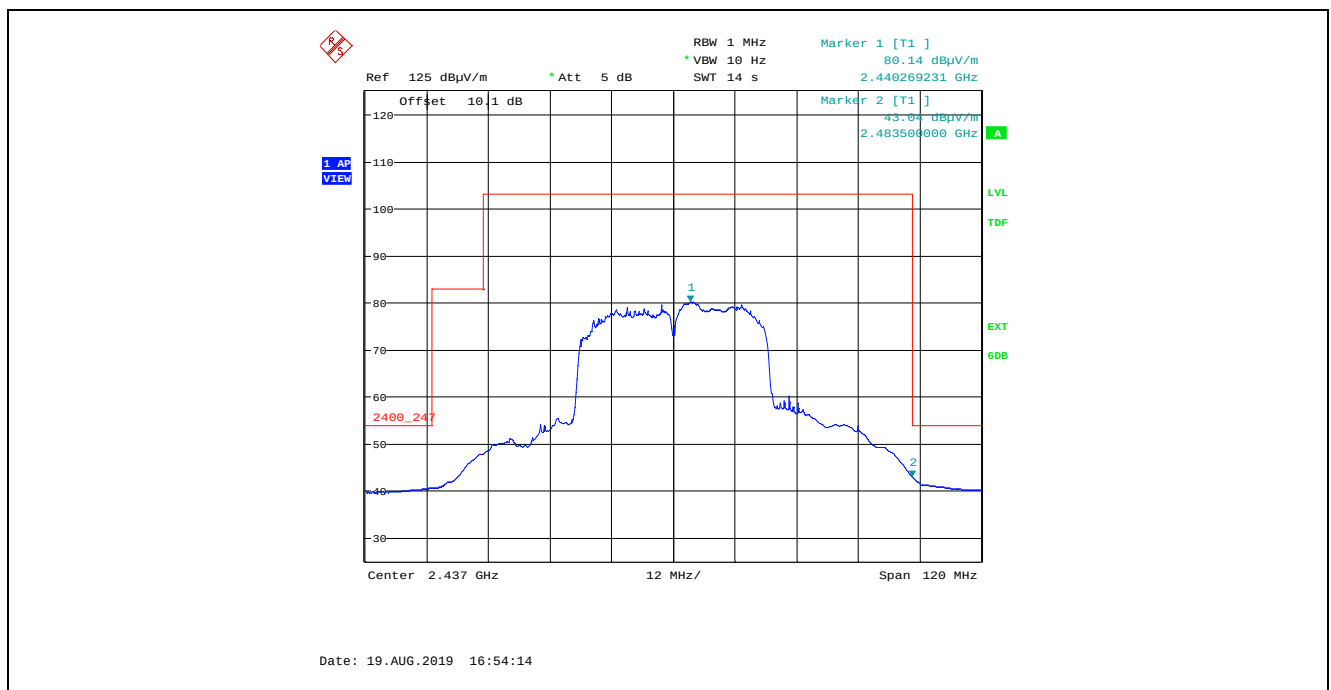
Plot 5.4.4.2.6.22. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 18, Channel 7, 2442 MHz



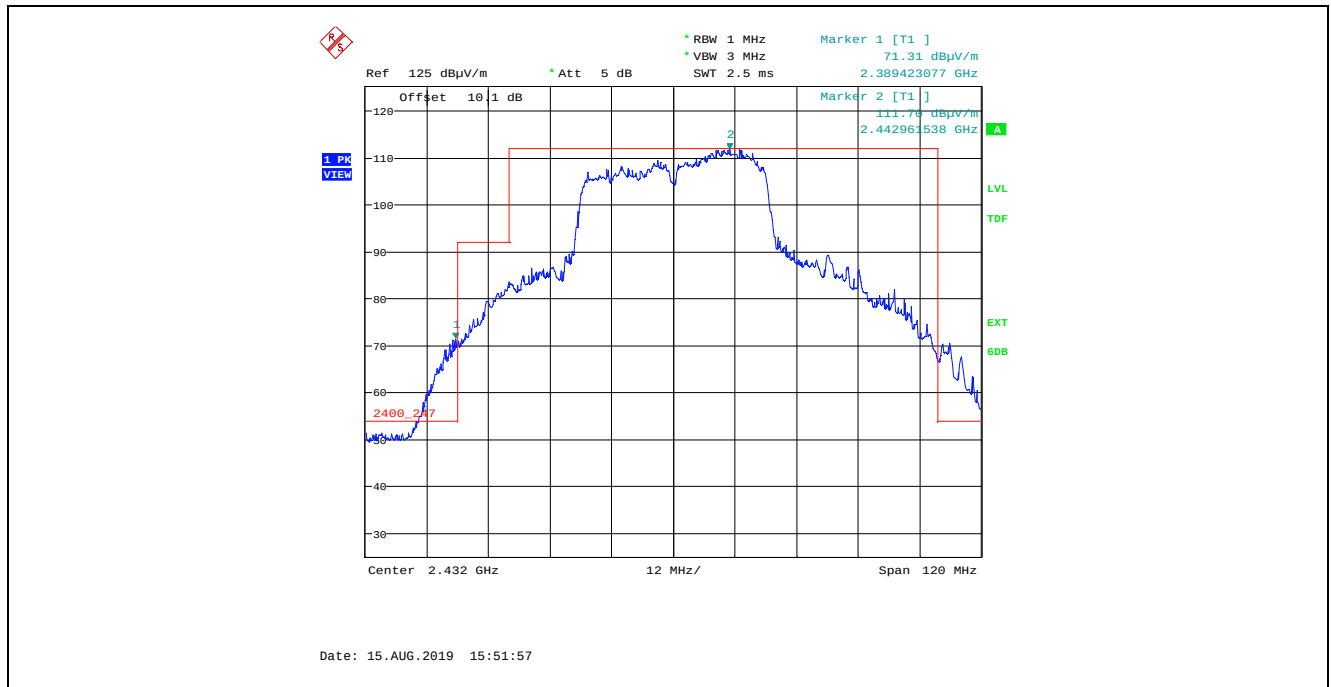
Plot 5.4.4.2.6.23. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 18, Channel 7, 2442 MHz



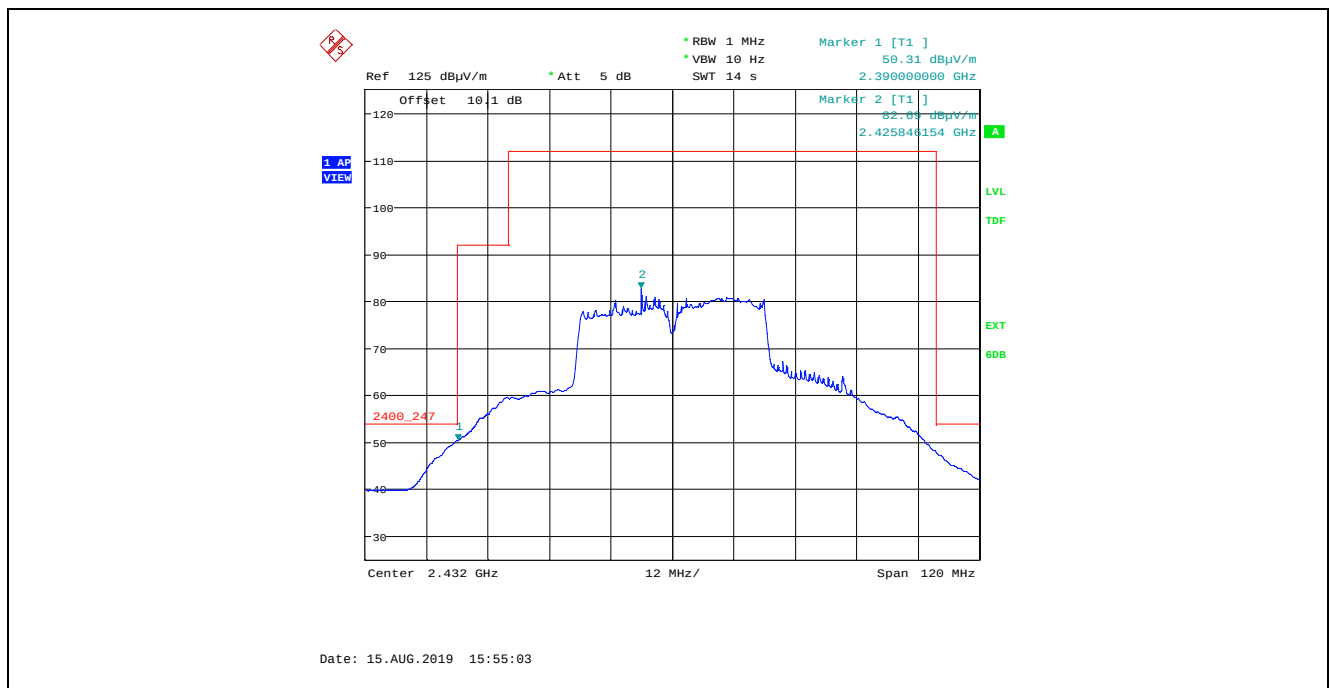
Plot 5.4.4.2.6.24. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 2, QPSK ¾ 40.5Mbps, Power Setting 18, Channel 7, 2442 MHz



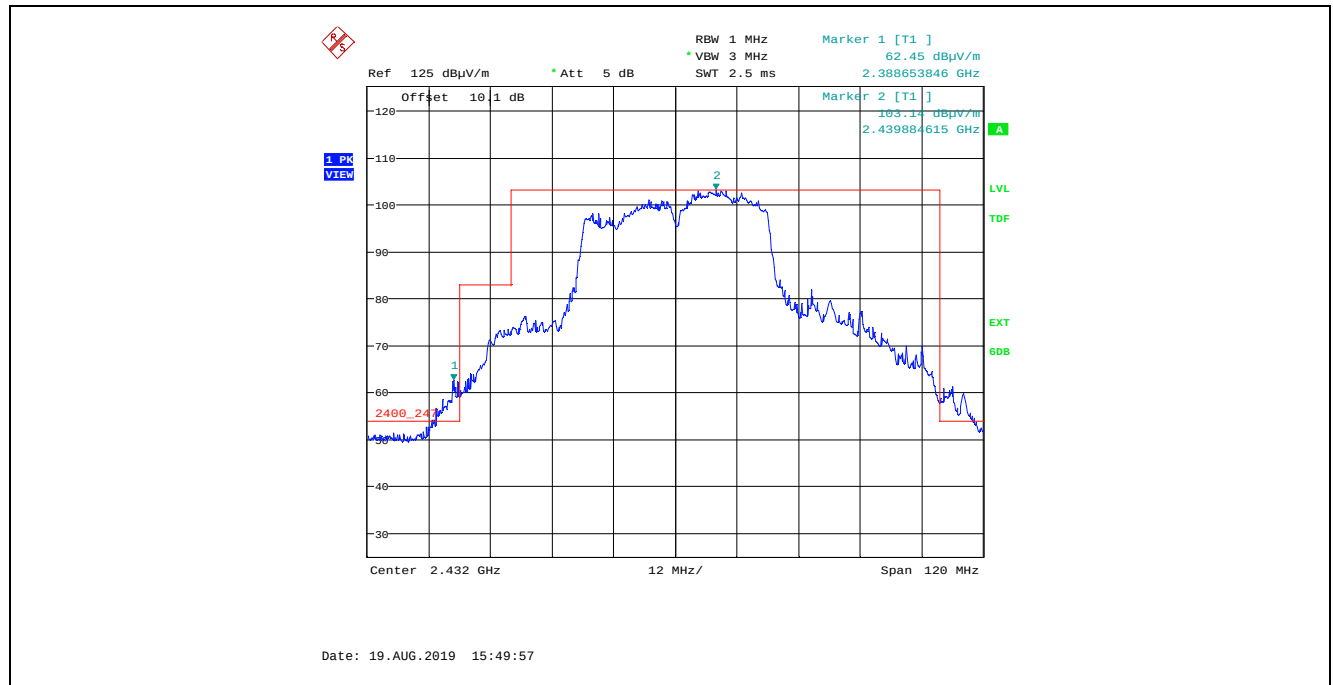
Plot 5.4.4.2.6.25. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 20, Channel 5, 2432 MHz



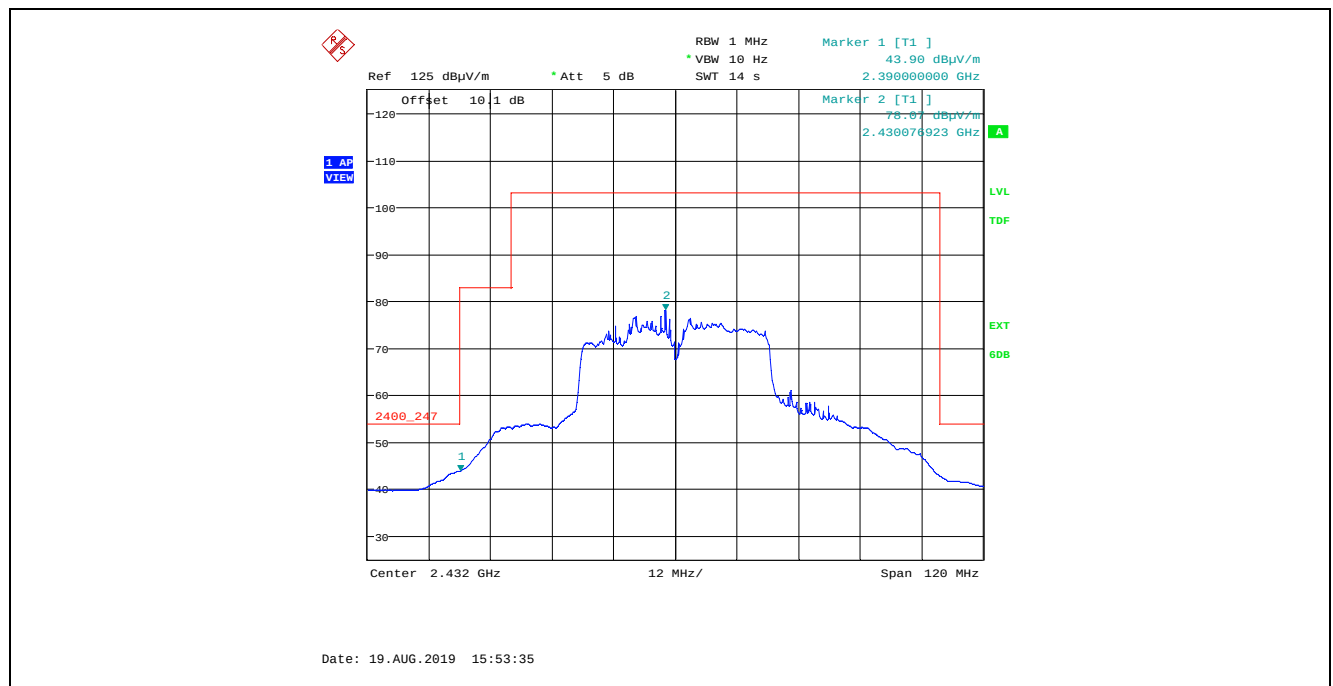
Plot 5.4.4.2.6.26. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 20, Channel 5, 2432 MHz



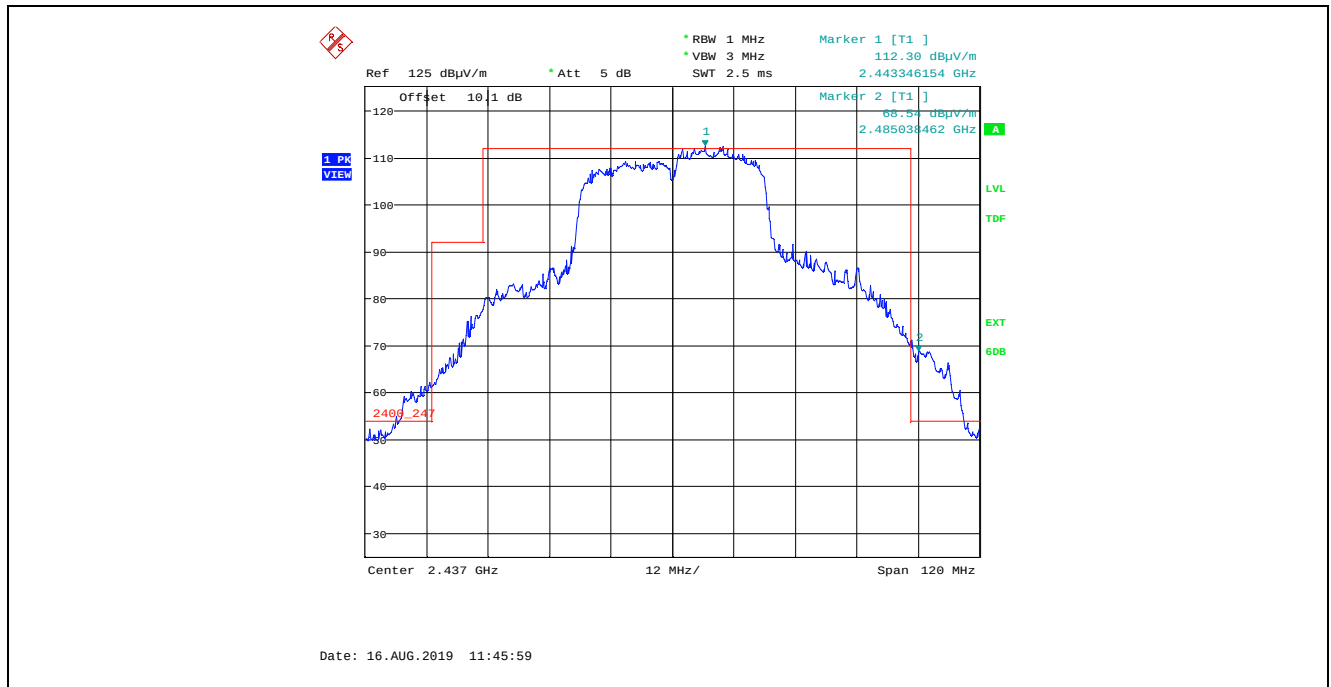
Plot 5.4.4.2.6.27. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 20, Channel 5, 2432 MHz



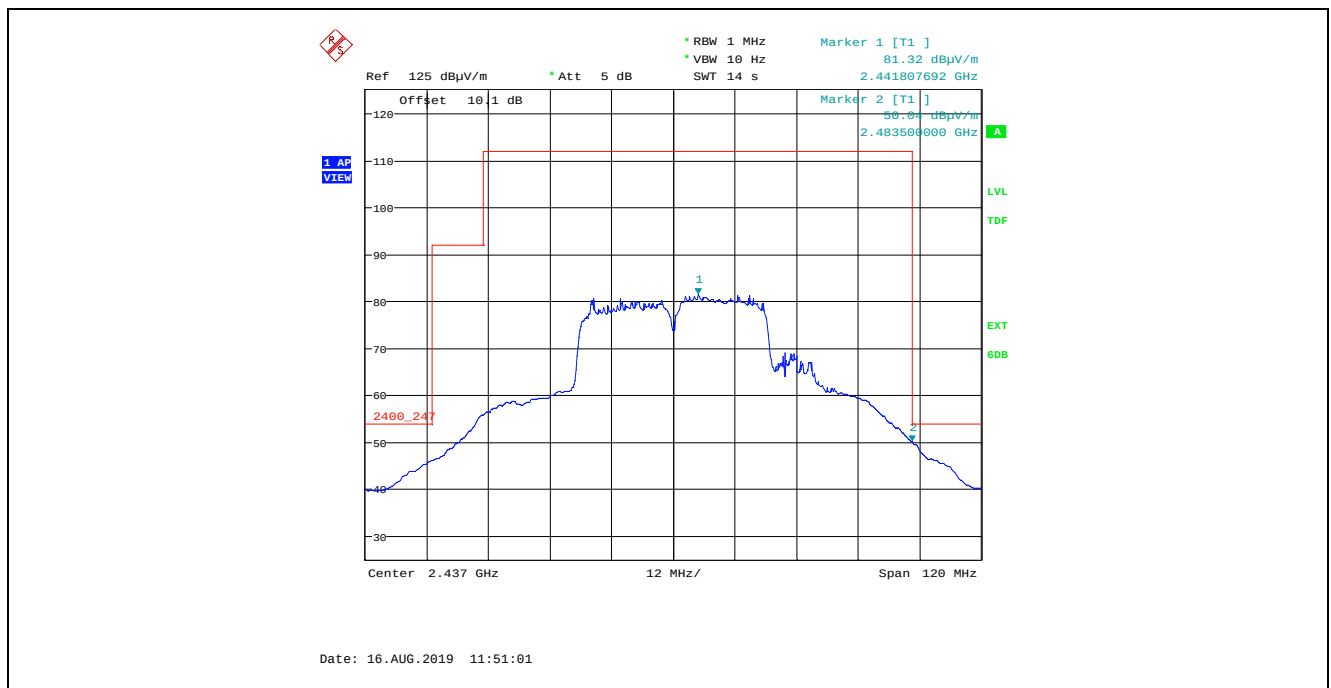
Plot 5.4.4.2.6.28. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 20, Channel 5, 2432 MHz



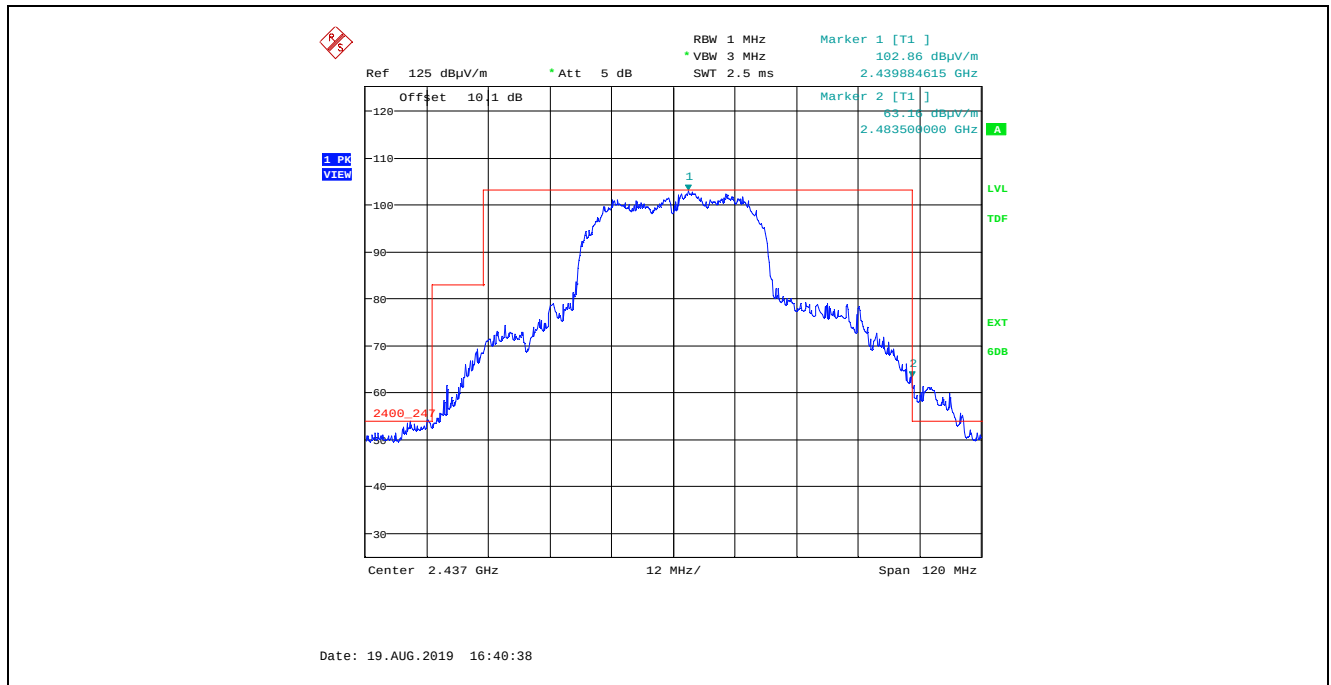
Plot 5.4.4.2.6.29. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 20, Channel 6, 2437 MHz



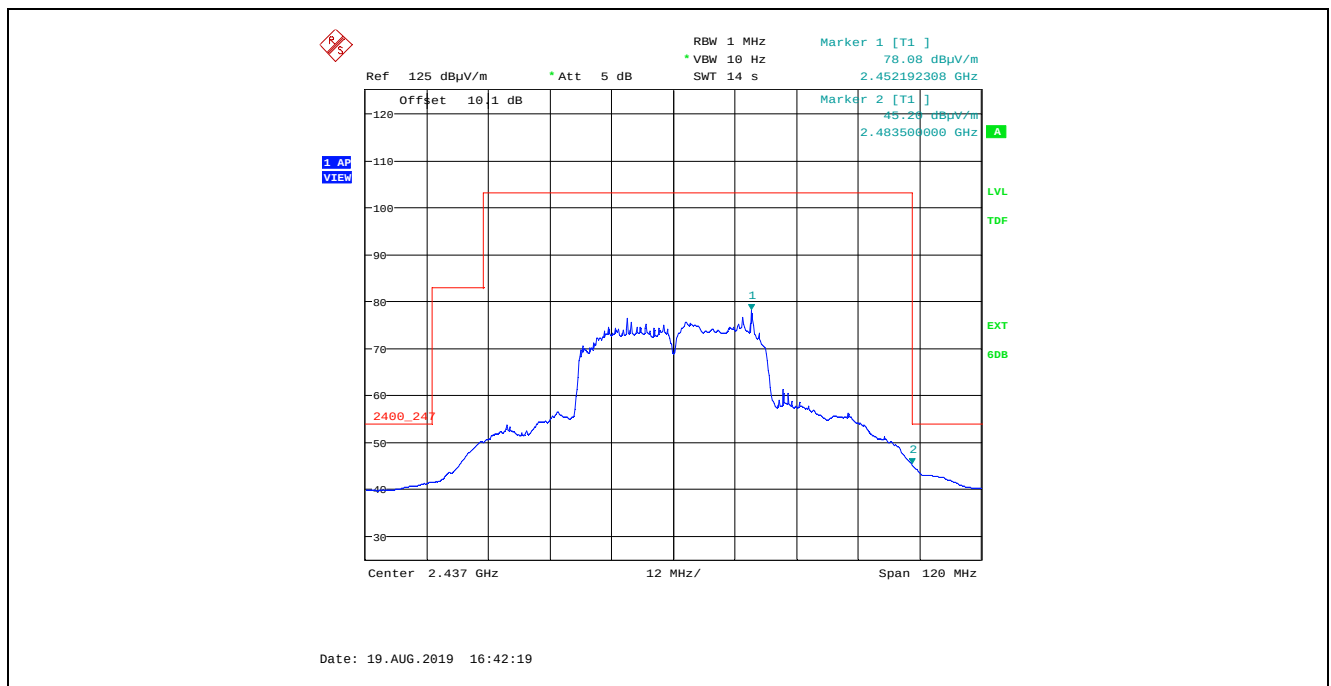
Plot 5.4.4.2.6.30. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 20, Channel 6, 2437 MHz



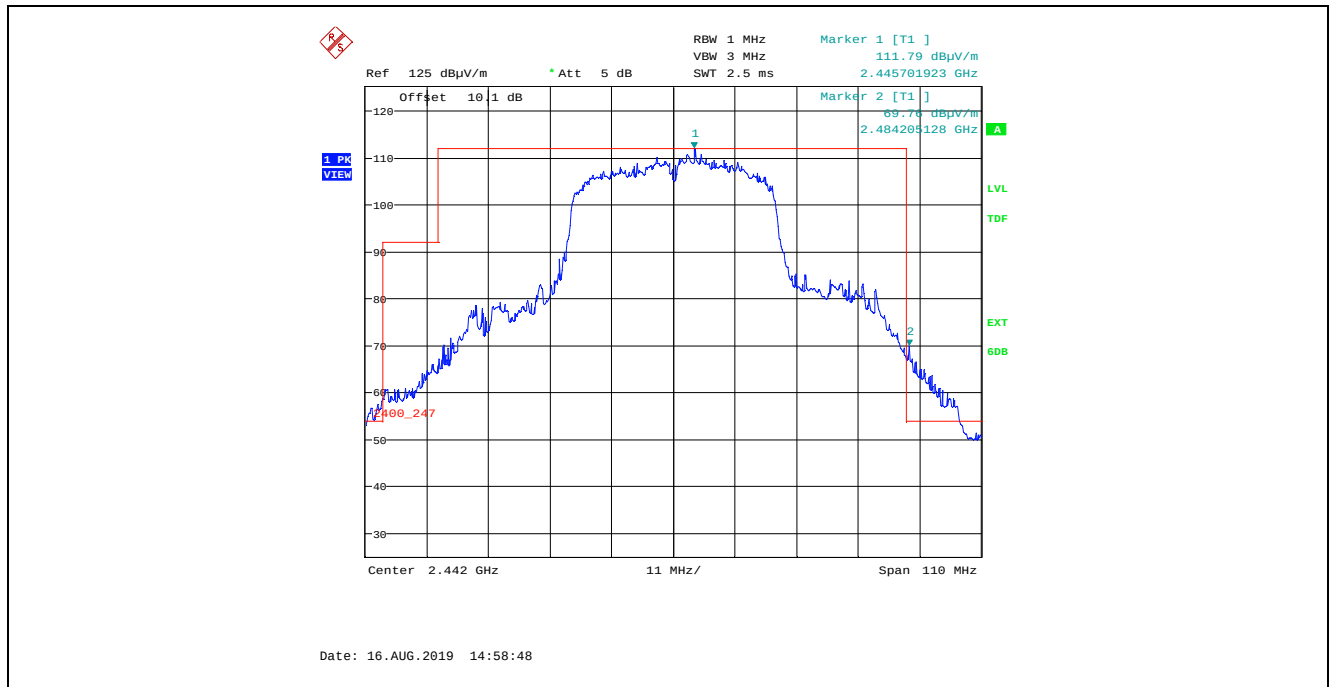
Plot 5.4.4.2.6.31. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 20, Channel 6, 2437 MHz



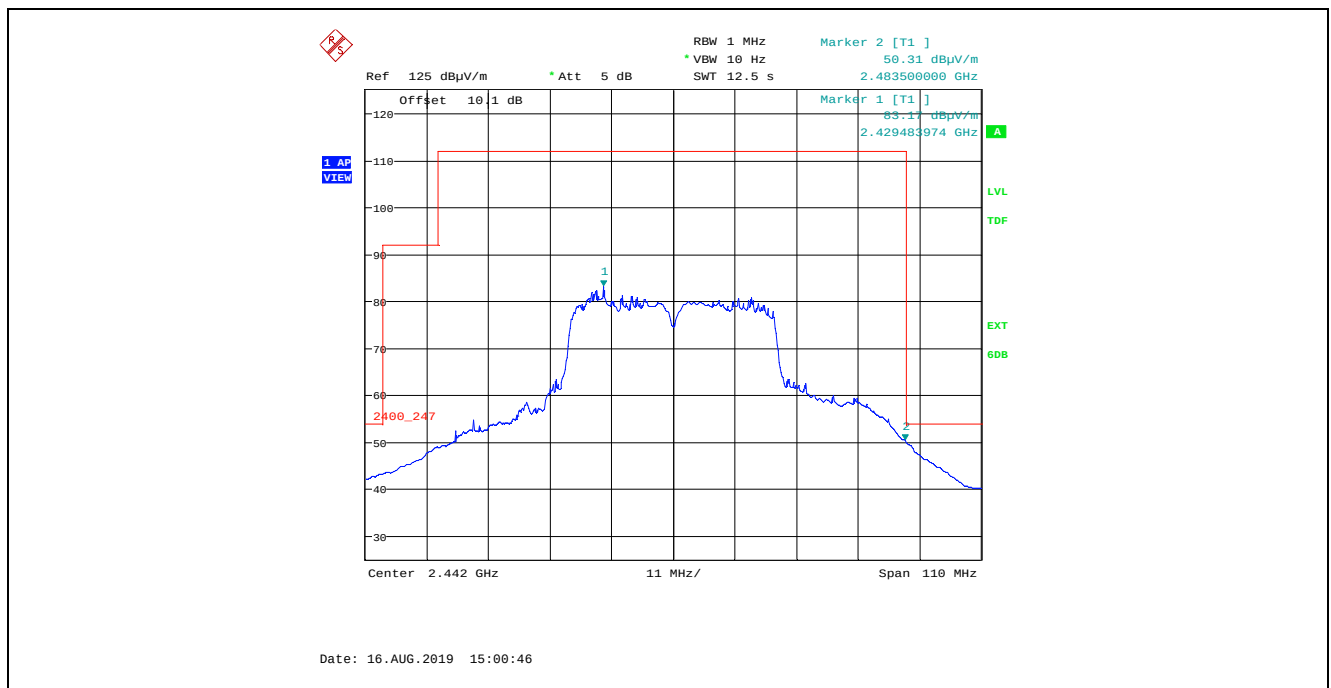
Plot 5.4.4.2.6.32. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 20, Channel 6, 2437 MHz



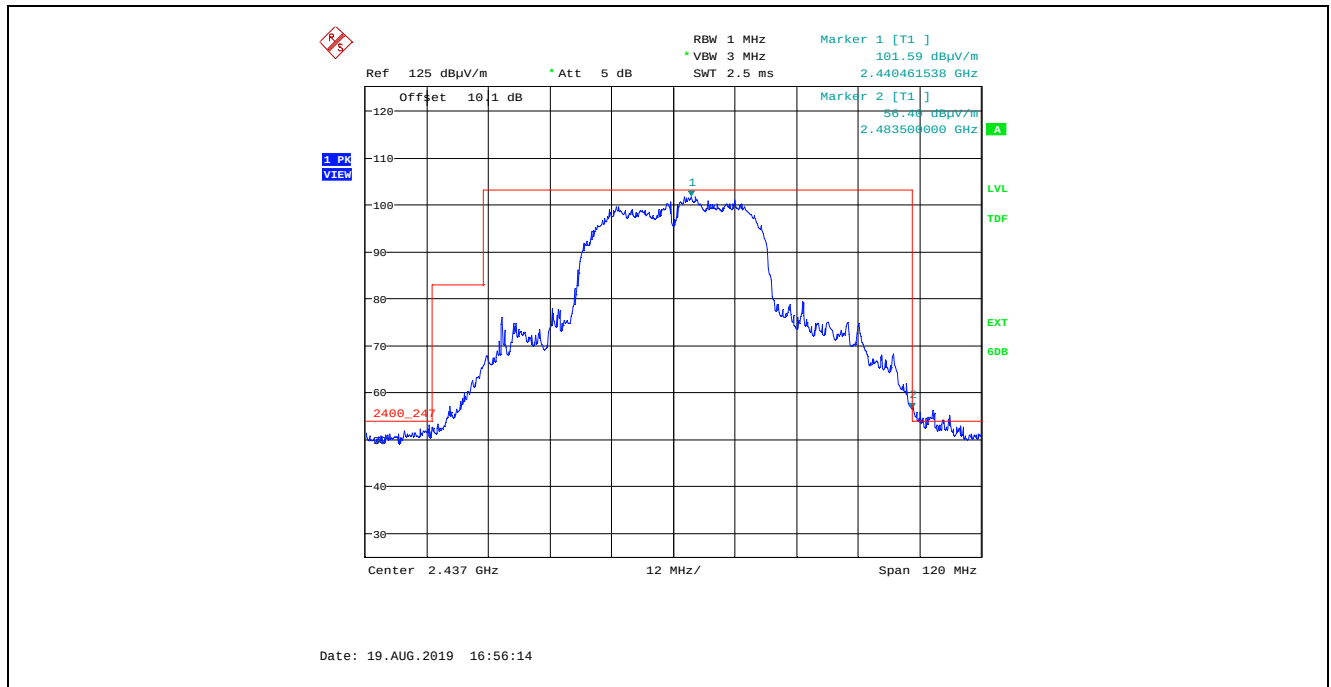
Plot 5.4.4.2.6.33. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Peak
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 18, Channel 7, 2442 MHz



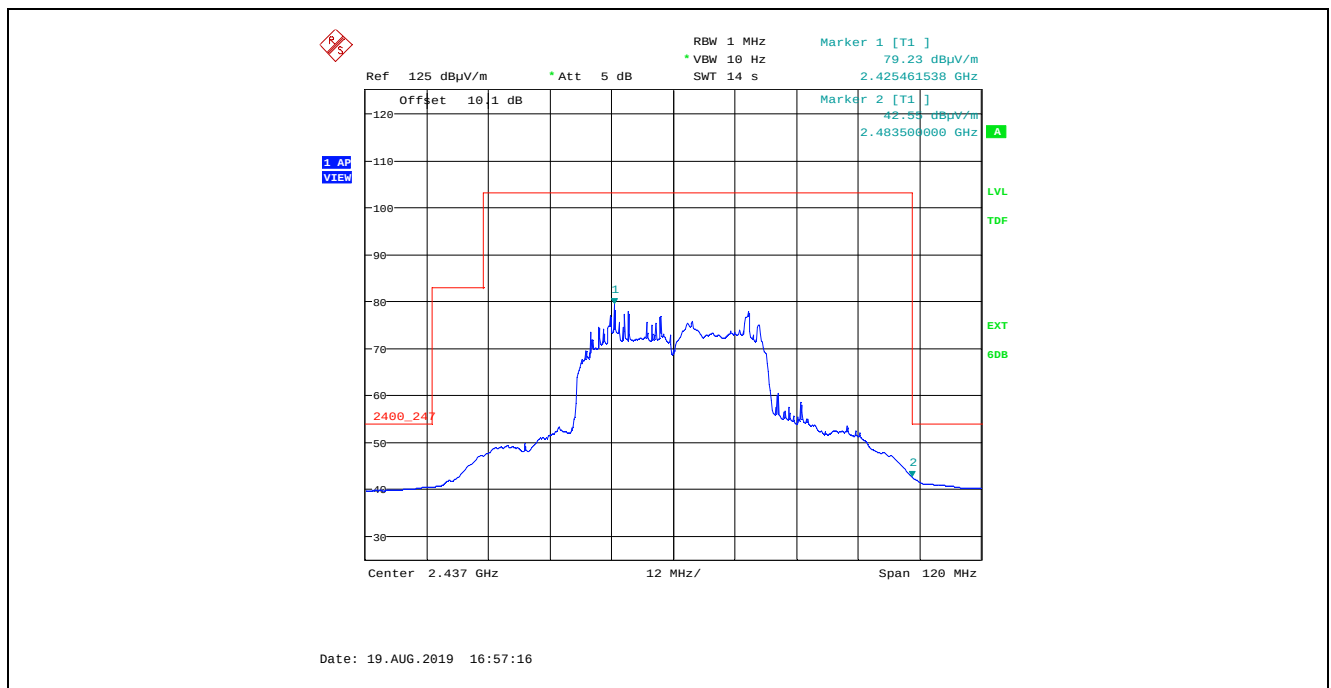
Plot 5.4.4.2.6.34. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 18, Channel 7, 2442 MHz



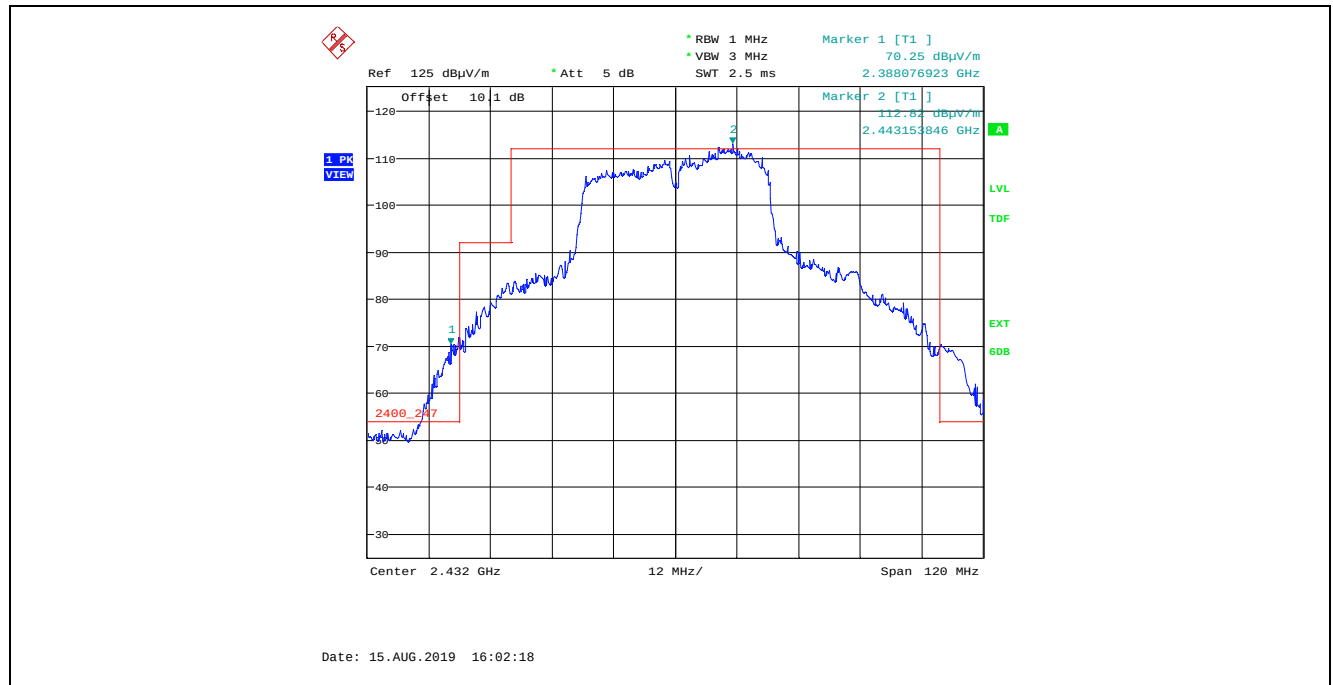
Plot 5.4.4.2.6.35. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 18, Channel 7, 2442 MHz



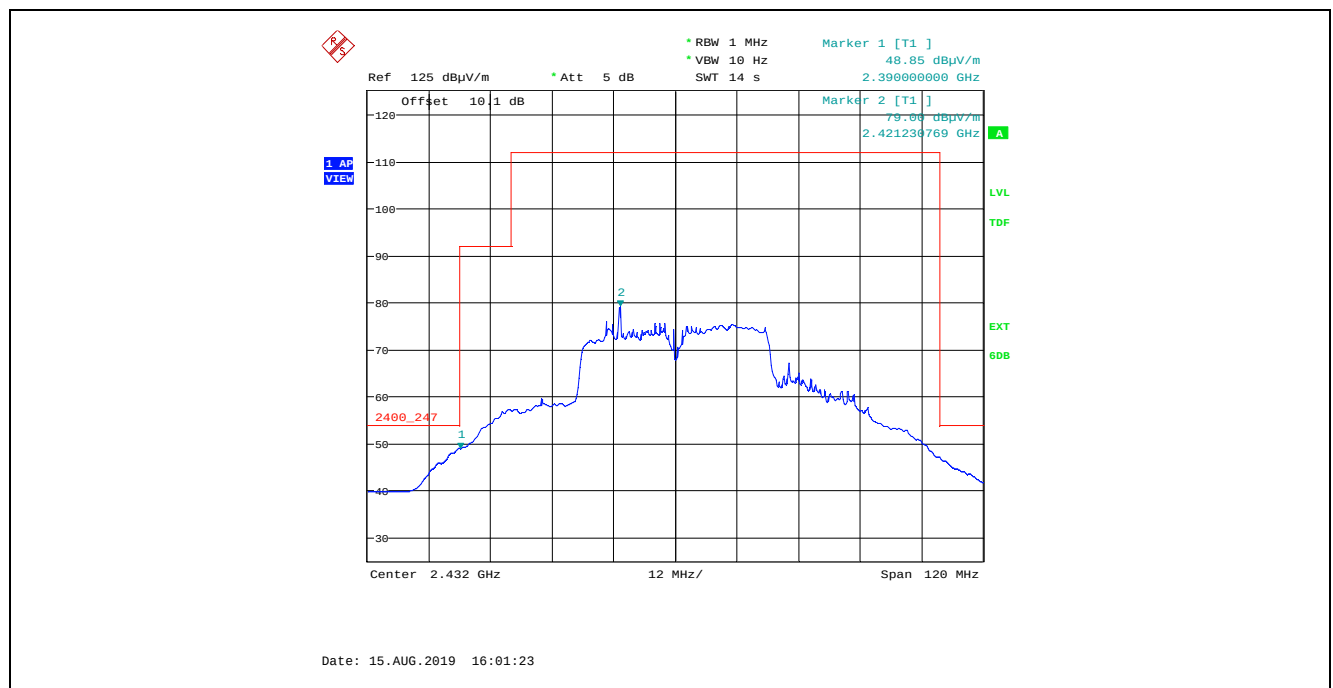
Plot 5.4.4.2.6.36. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 4, 16-QAM $\frac{3}{4}$ 81.0Mbps, Power Setting 18, Channel 7, 2442 MHz



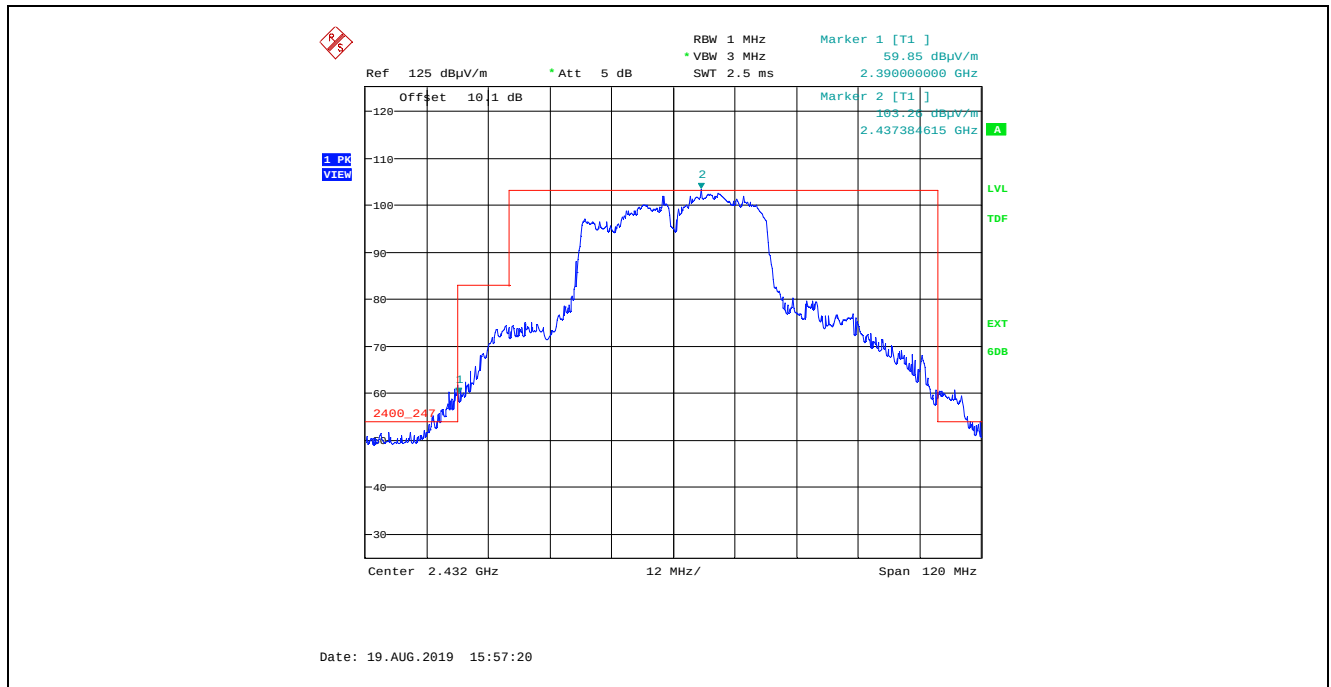
Plot 5.4.4.2.6.37. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 20, Channel 5, 2432 MHz



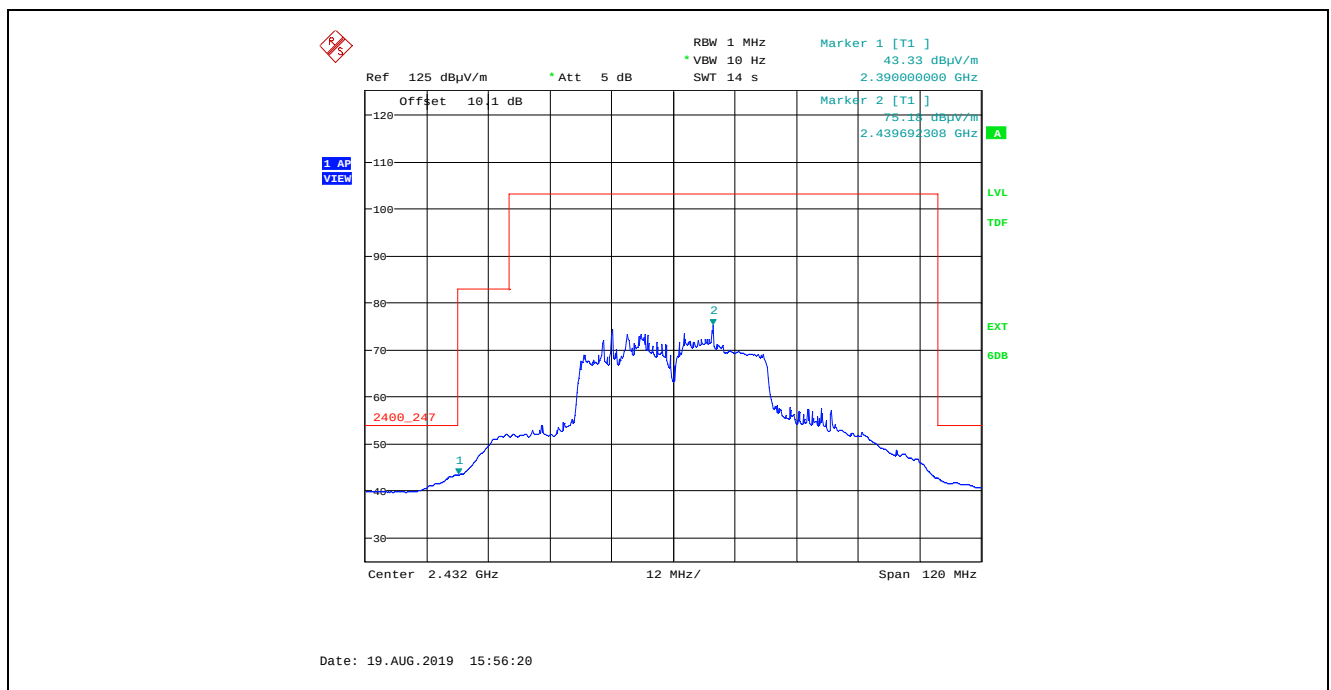
Plot 5.4.4.2.6.38. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 20, Channel 5, 2432 MHz



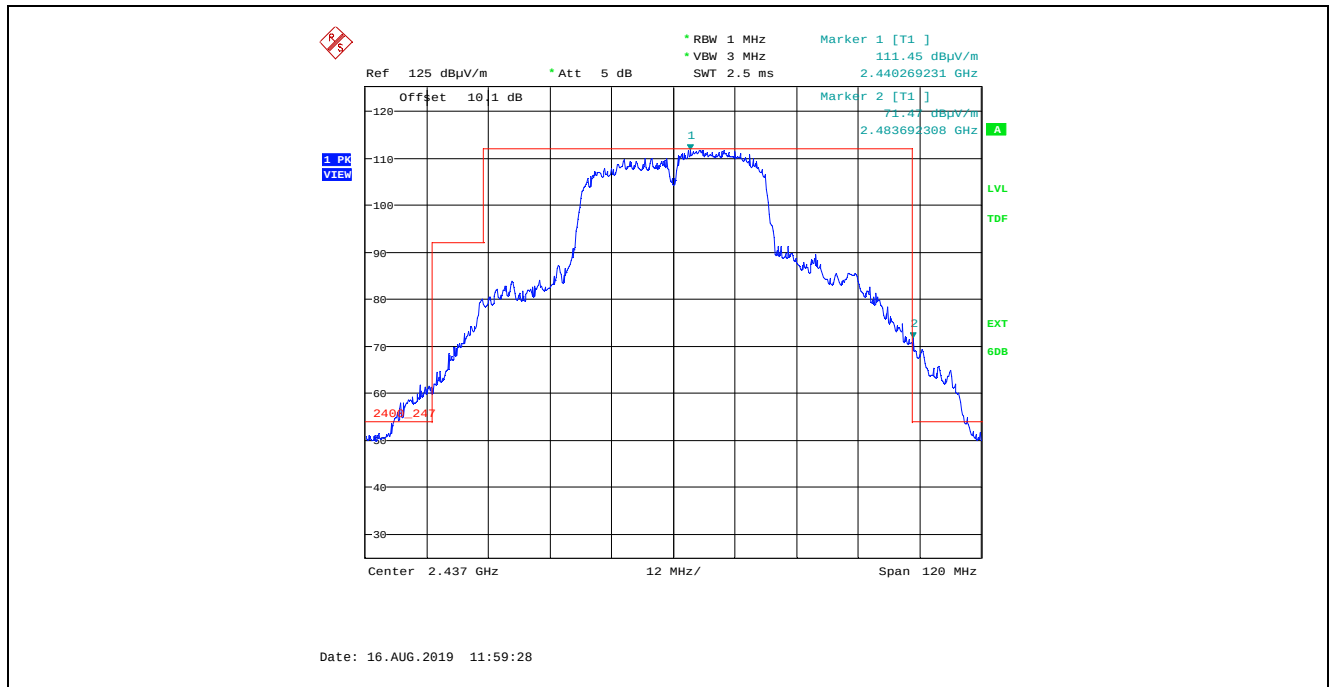
Plot 5.4.4.2.6.39. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 20, Channel 5, 2432 MHz



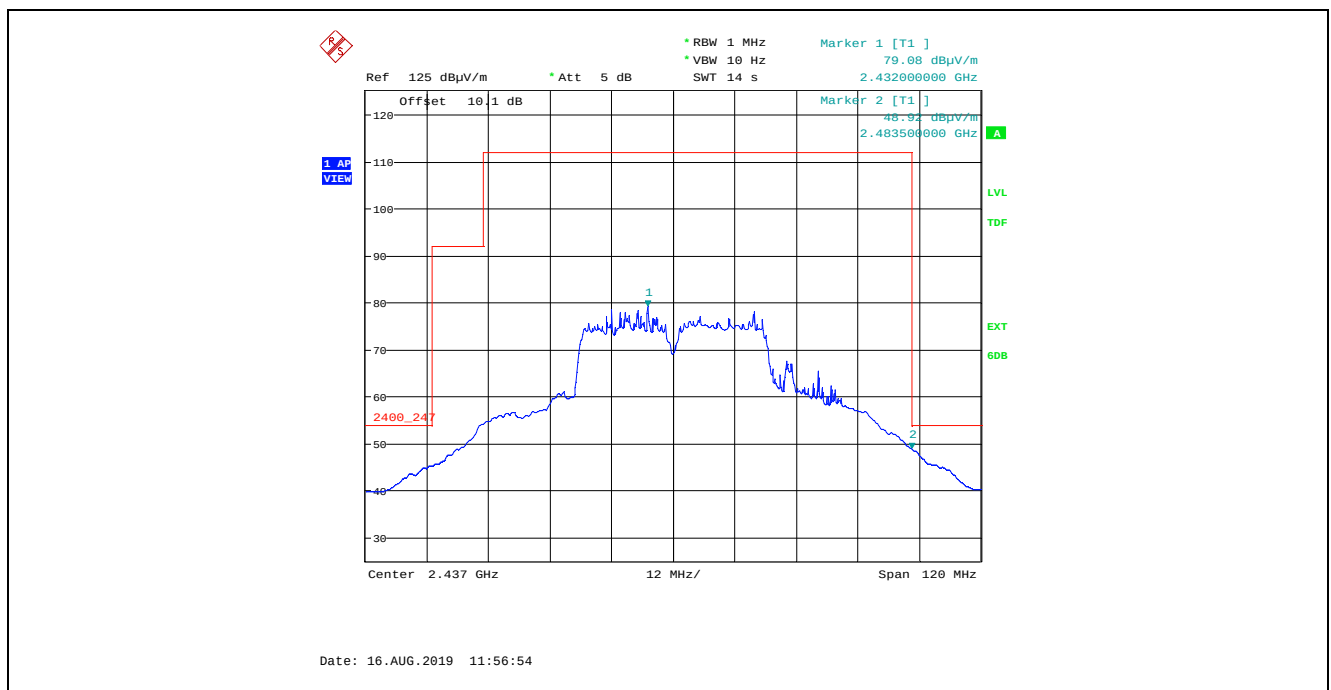
Plot 5.4.4.2.6.40. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 20, Channel 5, 2432 MHz



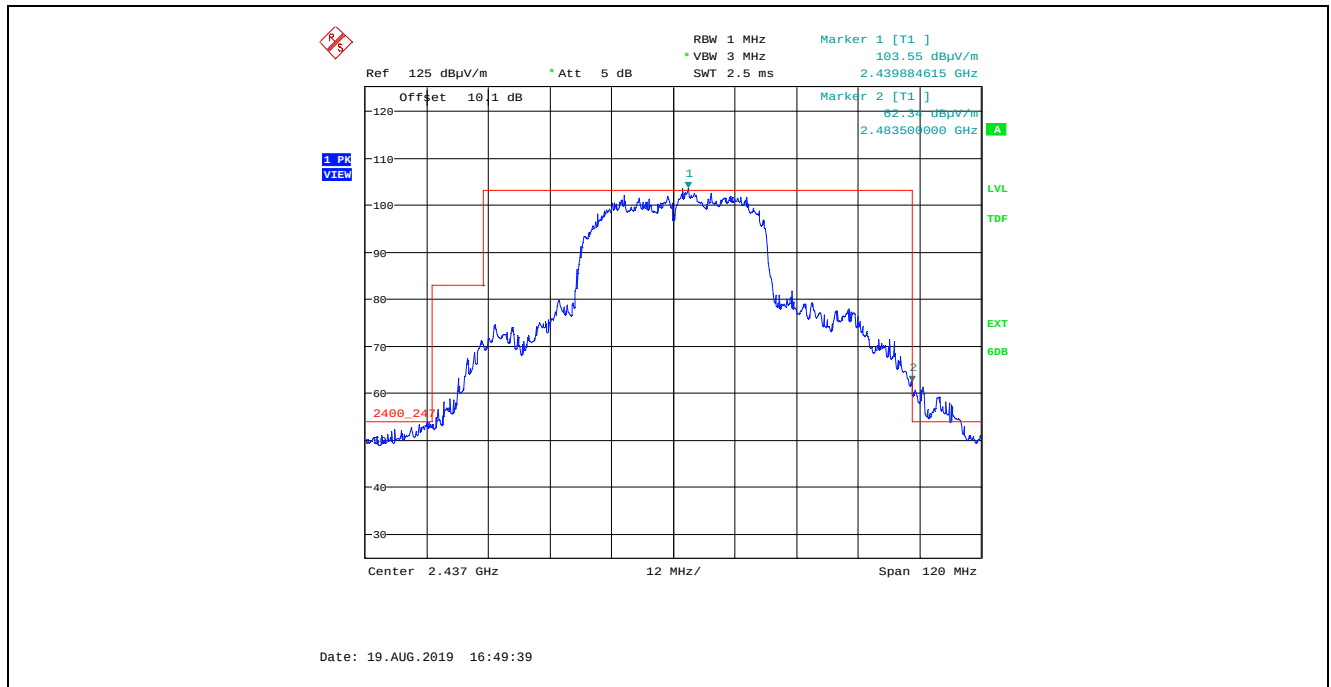
Plot 5.4.4.2.6.41. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 20, Channel 6, 2437 MHz



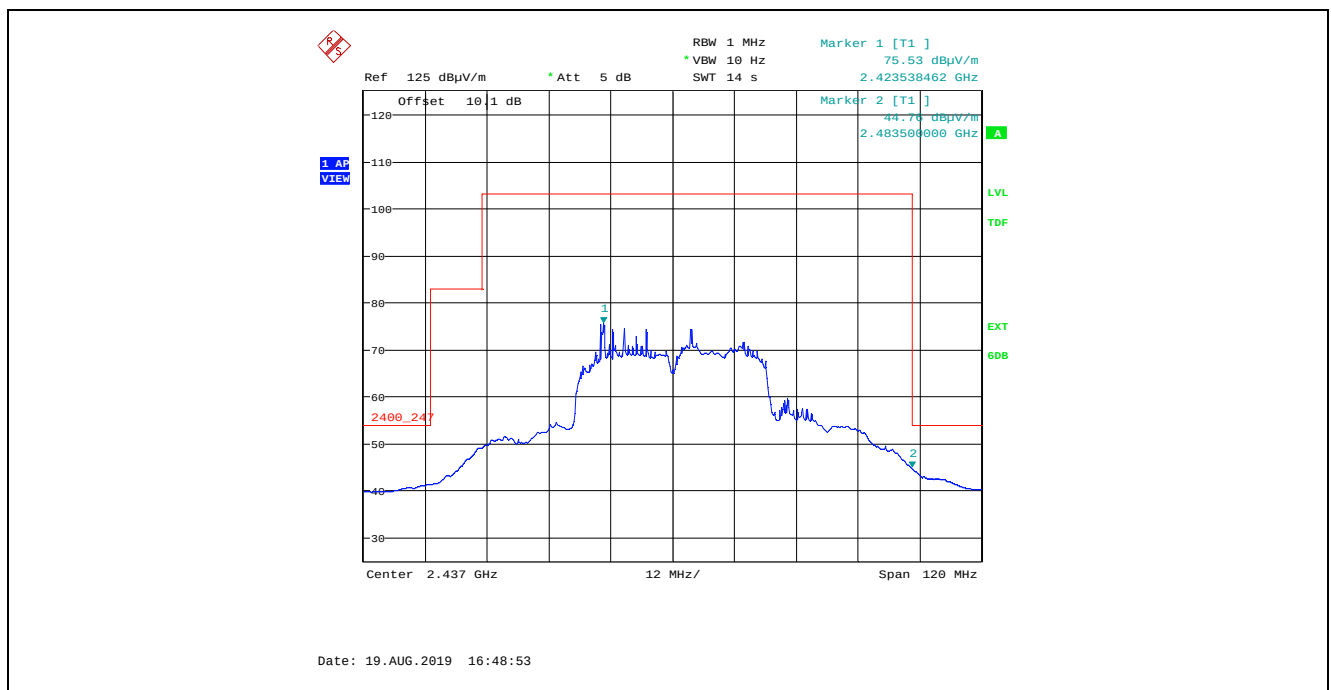
Plot 5.4.4.2.6.42. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 20, Channel 6, 2437 MHz



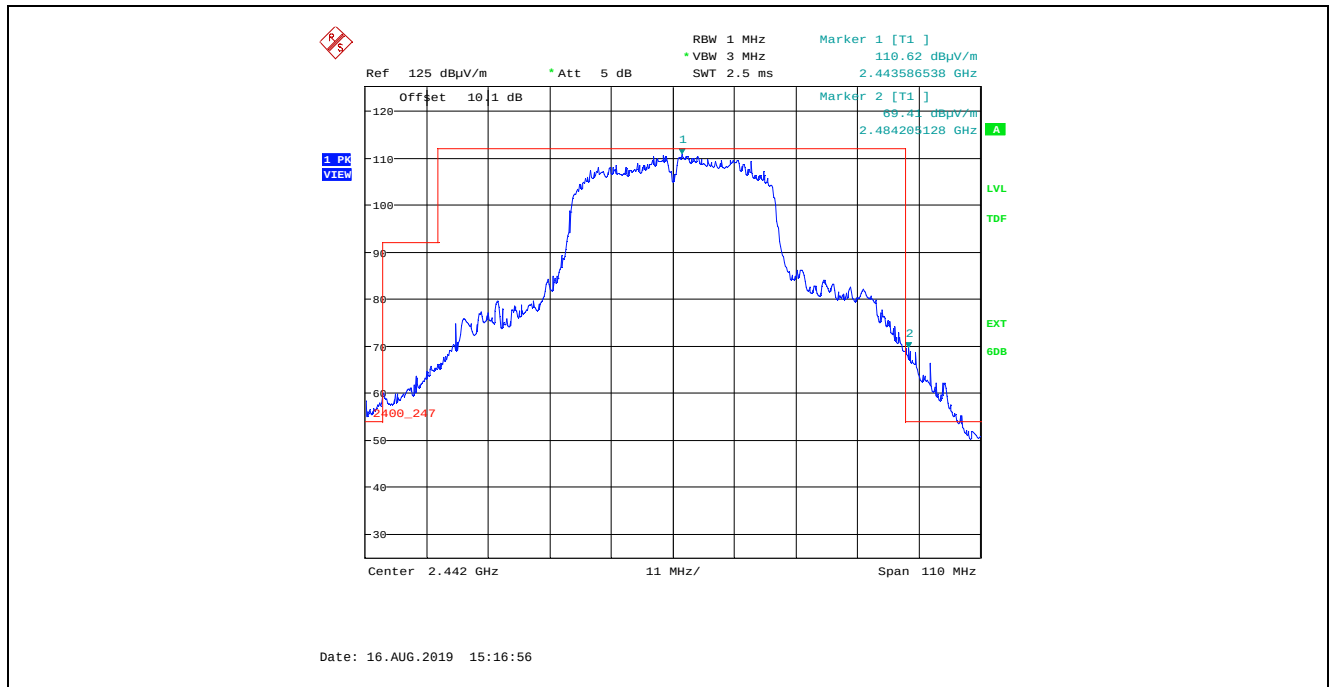
Plot 5.4.4.2.6.43. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 20, Channel 6, 2437 MHz



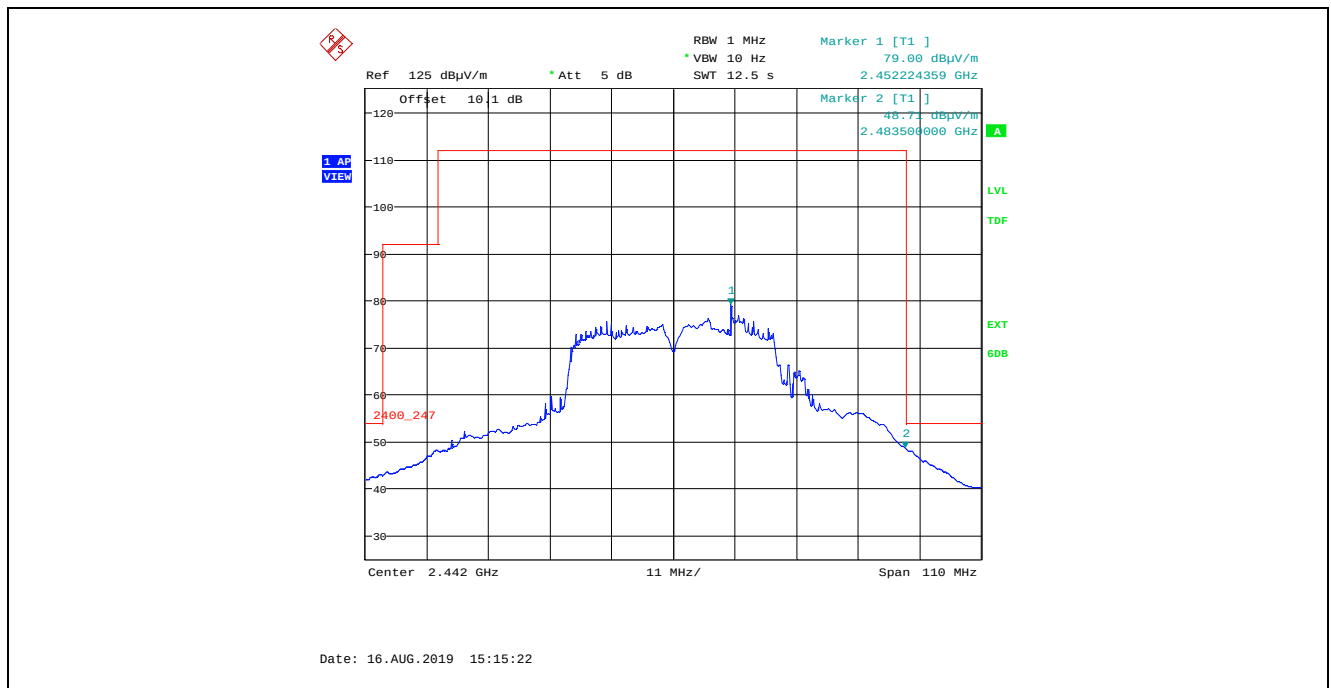
Plot 5.4.4.2.6.44. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 20, Channel 6, 2437 MHz



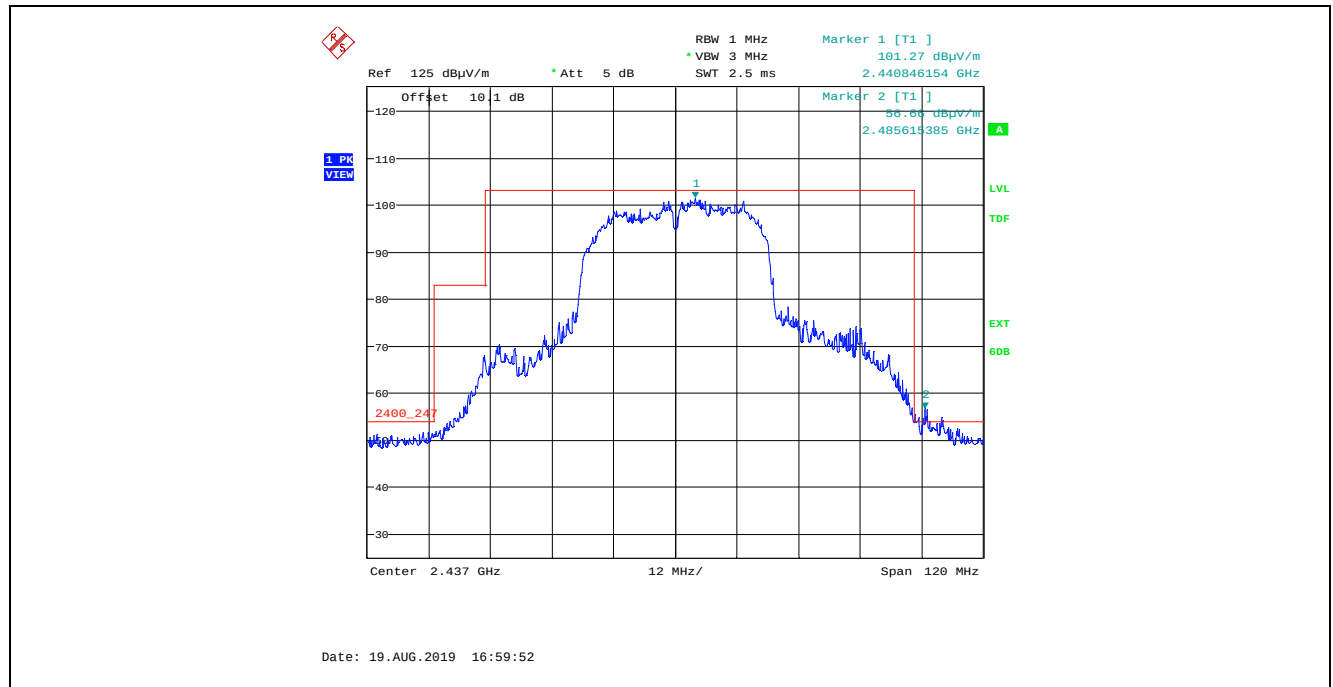
Plot 5.4.4.2.6.45. Band-Edge RF Radiated Emissions at 3 m, Vertical, Peak
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 18, Channel 7, 2442 MHz



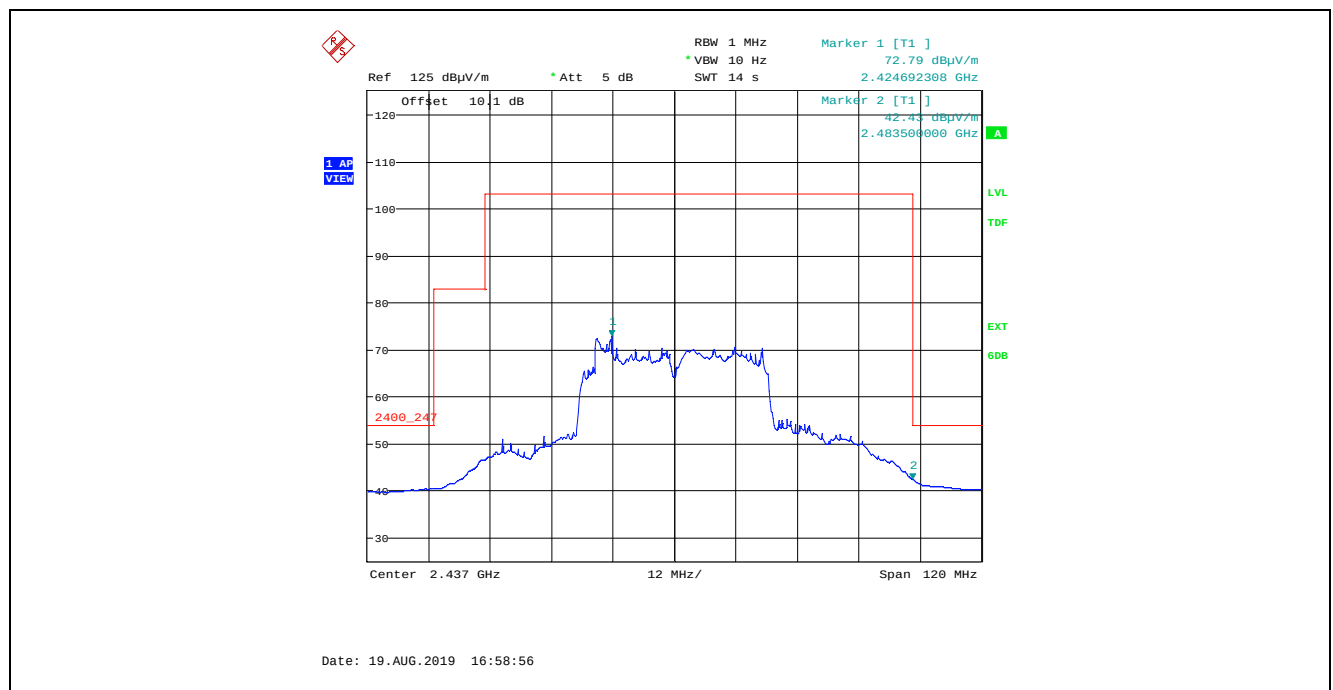
Plot 5.4.4.2.6.46. Band-Edge RF Radiated Emissions at 3 m, Vertical, Average
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 18, Channel 7, 2442 MHz



Plot 5.4.4.2.6.47. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Peak
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 18, Channel 7, 2442 MHz



Plot 5.4.4.2.6.48. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT40, 800 ns, MCS 7, 64-QAM 5/6 135.0Mbps, Power Setting 18, Channel 7, 2442 MHz



5.5. POWER SPECTRAL DENSITY [§ 15.247(e)]

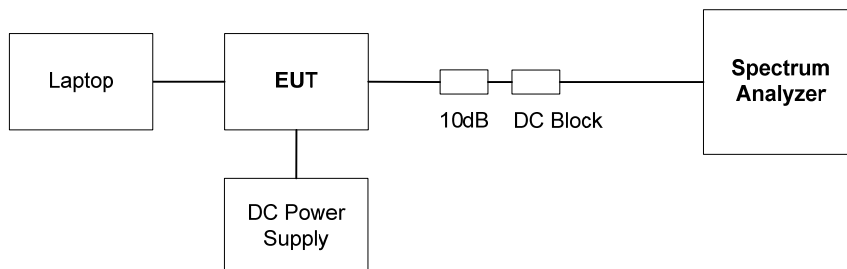
5.5.1. Limit(s)

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

5.5.2. Method of Measurements

FCC KDB 558074 D01 15.247 Meas Guidance v05r02, Section 8.4 / ANSI C63.10 Subclause 11.10.2 Method PKPSD (peak PSD).

5.5.3. Test Arrangement



5.5.4. Test Data

Operating Mode		Power Setting	Channel	Frequency (MHz)	PSD (dBm)	Max. Limit (dBm)
802.11b	DBPSK 1Mbps	24	1	2412	-8.16	8
		24	6	2437	-7.13	8
		24	11	2462	-7.28	8
	DQPSK 2Mbps	24	1	2412	-7.64	8
		24	6	2437	-6.99	8
		24	11	2462	-7.07	8
	CCK 11Mbps	24	1	2412	-8.44	8
		24	6	2437	-6.92	8
		24	11	2462	-6.98	8

Operating Mode		Power Setting	Channel	Frequency (MHz)	PSD (dBm)	Max. Limit (dBm)
802.11g	BPSK 9Mbps	21	1	2412	-10.28	8
		24	6	2437	-9.63	8
		19	11	2462	-8.77	8
	QPSK 18Mbps	21	1	2412	-9.50	8
		24	6	2437	-8.75	8
		19	11	2462	-9.41	8
	16-QAM 36Mbps	21	1	2412	-11.02	8
		24	6	2437	-10.22	8
		19	11	2462	-8.37	8
	64-QAM 54Mbps	21	1	2412	-9.68	8
		24	6	2437	-10.24	8
		19	11	2462	-9.85	8

Operating Mode		Power Setting	Channel	Frequency (MHz)	PSD (dBm)	Max. Limit (dBm)
802.11n HT20 400 ns	MCS 0 BPSK $\frac{1}{2}$ 7.2 Mbps	20	1	2412	-11.36	8
		24	6	2437	-9.21	8
		18	11	2462	-12.18	8
	MCS 2 QPSK $\frac{3}{4}$ 21.7 Mbps	20	1	2412	-11.52	8
		24	6	2437	-8.85	8
		18	11	2462	-14.14	8
	MCS 4 16-QAM $\frac{3}{4}$ 43.3 Mbps	20	1	2412	-12.15	8
		24	6	2437	-10.19	8
		18	11	2462	-13.55	8
	MCS 7 64-QAM $\frac{5}{6}$ 72.2 Mbps	20	1	2412	-11.17	8
		24	6	2437	-10.86	8
		18	11	2462	-13.48	8
802.11n HT20 800 ns	MCS 0 BPSK $\frac{1}{2}$ 6.5 Mbps	19	1	2412	-11.10	8
		24	6	2437	-9.51	8
		18	11	2462	-12.25	8
	MCS 2 QPSK $\frac{3}{4}$ 19.5 Mbps	19	1	2412	-12.39	8
		24	6	2437	-9.73	8
		18	11	2462	-13.33	8
	MCS 4 16-QAM $\frac{3}{4}$ 39.0 Mbps	19	1	2412	-11.91	8
		24	6	2437	-9.15	8
		18	11	2462	-13.25	8
	MCS 7 64-QAM $\frac{5}{6}$ 65.0 Mbps	19	1	2412	-12.18	8
		24	6	2437	-9.36	8
		18	11	2462	-12.40	8

ULTRATECH GROUP OF LABS

3000 Bristol Circle, Oakville, Ontario, Canada L6H 6G4
Tel. #: 905-829-1570, Fax. #: 905-829-8050, Email: vic@ultratech-labs.com, Website: <http://www.ultratech-labs.com>

File #: 19DANBY001_FCC15C247
September 23, 2019

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

Operating Mode		Power Setting	Channel	Frequency (MHz)	PSD (dBm)	Max. Limit (dBm)
802.11n HT40 400 ns	MCS 0 BPSK $\frac{1}{2}$ 15.0 Mbps	20	5	2432	-14.29	8
		19	6	2437	-13.85	8
		18	7	2442	-14.31	8
	MCS 2 QPSK $\frac{3}{4}$ 45.0 Mbps	20	5	2432	-13.71	8
		19	6	2437	-14.98	8
		18	7	2442	-16.10	8
	MCS 4 16-QAM $\frac{3}{4}$ 90.0 Mbps	20	5	2432	-13.83	8
		19	6	2437	-14.04	8
		18	7	2442	-16.07	8
	MCS 7 64-QAM $\frac{5}{6}$ 150.0 Mbps	20	5	2432	-14.50	8
		19	6	2437	-15.24	8
		18	7	2442	-15.71	8
802.11n HT40 800 ns	MCS 0 BPSK $\frac{1}{2}$ 13.5 Mbps	20	5	2432	-13.82	8
		20	6	2437	-13.76	8
		18	7	2442	-15.18	8
	MCS 2 QPSK $\frac{3}{4}$ 40.5 Mbps	20	5	2432	-12.96	8
		20	6	2437	-14.29	8
		18	7	2442	-15.95	8
	MCS 4 16-QAM $\frac{3}{4}$ 81.0 Mbps	20	5	2432	-13.95	8
		20	6	2437	-13.25	8
		18	7	2442	-15.68	8
	MCS 7 64-QAM $\frac{5}{6}$ 135.0 Mbps	20	5	2432	-15.11	8
		20	6	2437	-13.06	8
		18	7	2442	-16.13	8

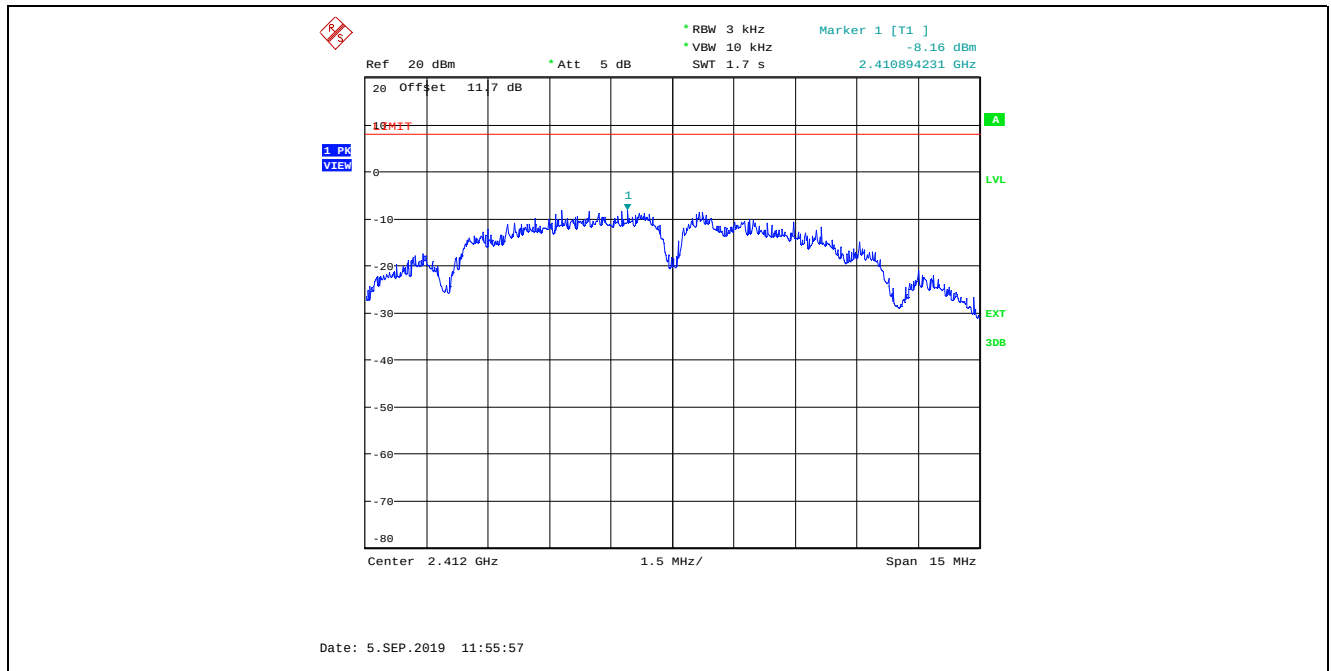
ULTRATECH GROUP OF LABS

3000 Bristol Circle, Oakville, Ontario, Canada L6H 6G4
Tel. #: 905-829-1570, Fax. #: 905-829-8050, Email: vic@ultratech-labs.com, Website: <http://www.ultratech-labs.com>

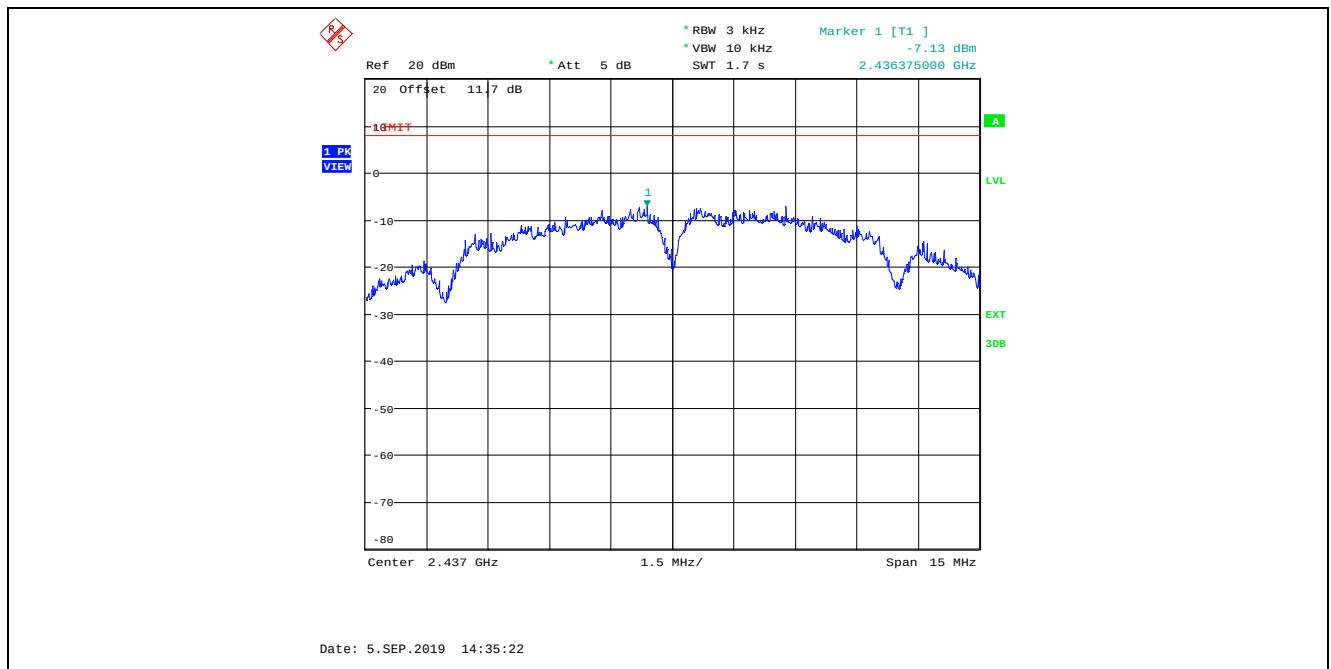
File #: 19DANBY001_FCC15C247
September 23, 2019

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

Plot 5.5.4.1. Power Spectral Density
802.11b, DBPSK 1Mbps, Power Setting 24, Channel 1, 2412 MHz



Plot 5.5.4.2. Power Spectral Density
802.11b, DBPSK 1Mbps, Power Setting 24, Channel 6, 2437 MHz



Ref 20 dBm * Att 5 dB * RBW 3 kHz Marker 1 [T1] -7.28 dBm
 * VBW 10 kHz SWT 1.7 s 2.461962500 GHz

20 Offset 11.7 dB

-10 LIMIT

1 PK VIEW

LVL

EXT

3dB

Center 2.462 GHz 1.5 MHz/ Span 15 MHz

Date: 5.SEP.2019 14:39:11

Ref 20 dBm Att 5 dB RBW 3 kHz VBW 10 kHz SWT 1.7 s Marker 1 [T1] -7.64 dBm 2.410076923 GHz

20 Offset 11 7 dB

-10 MHz

1 PK VIEW

1

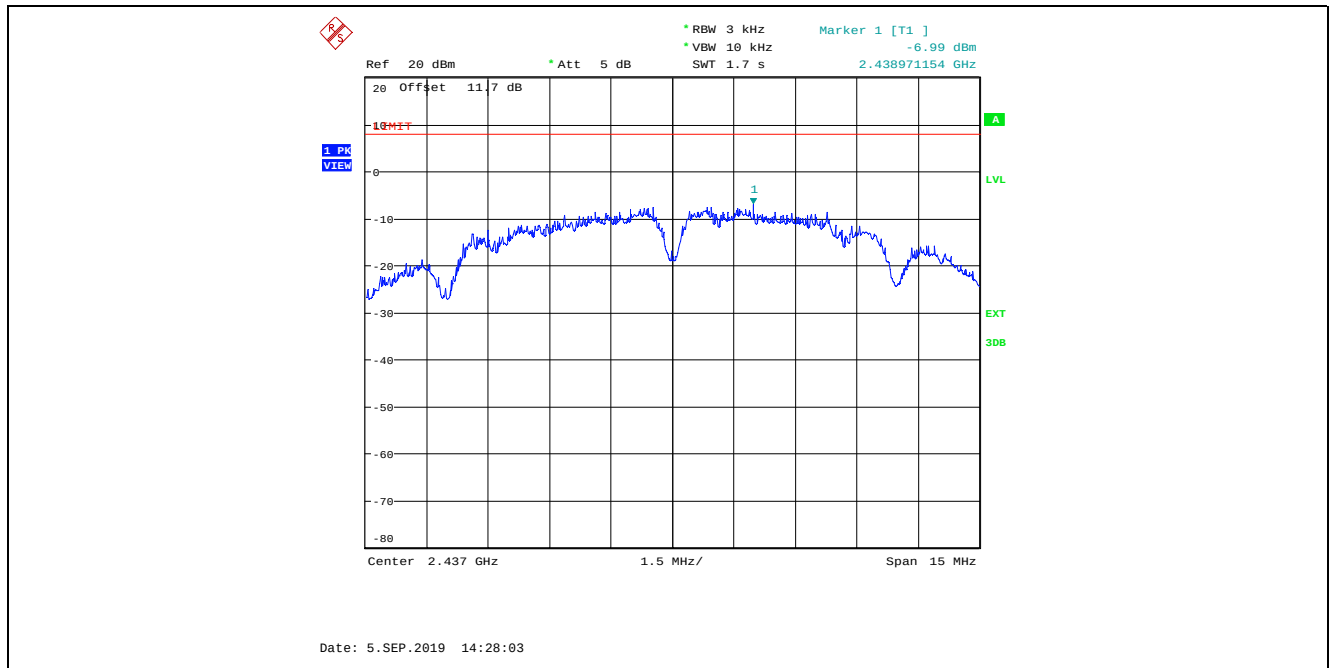
EXT

30dB

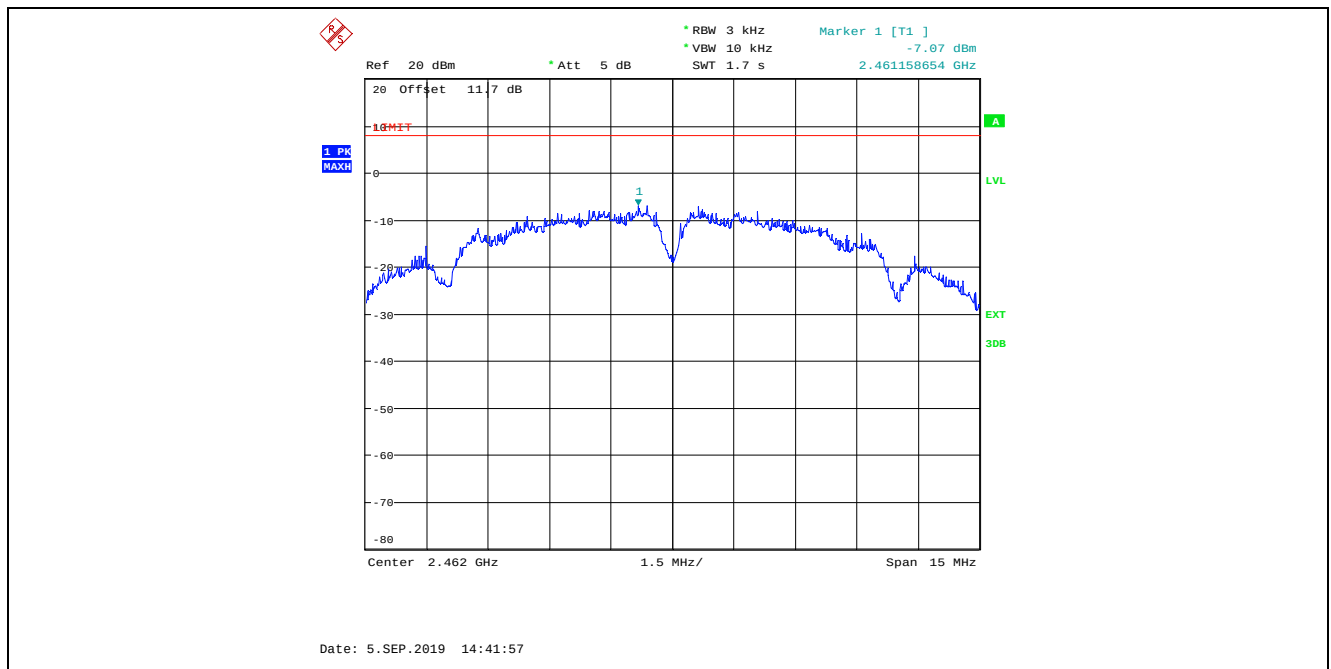
Center 2.412 GHz 1.5 MHz/ Span 15 MHz

Date: 5.SEP.2019 14:00:10

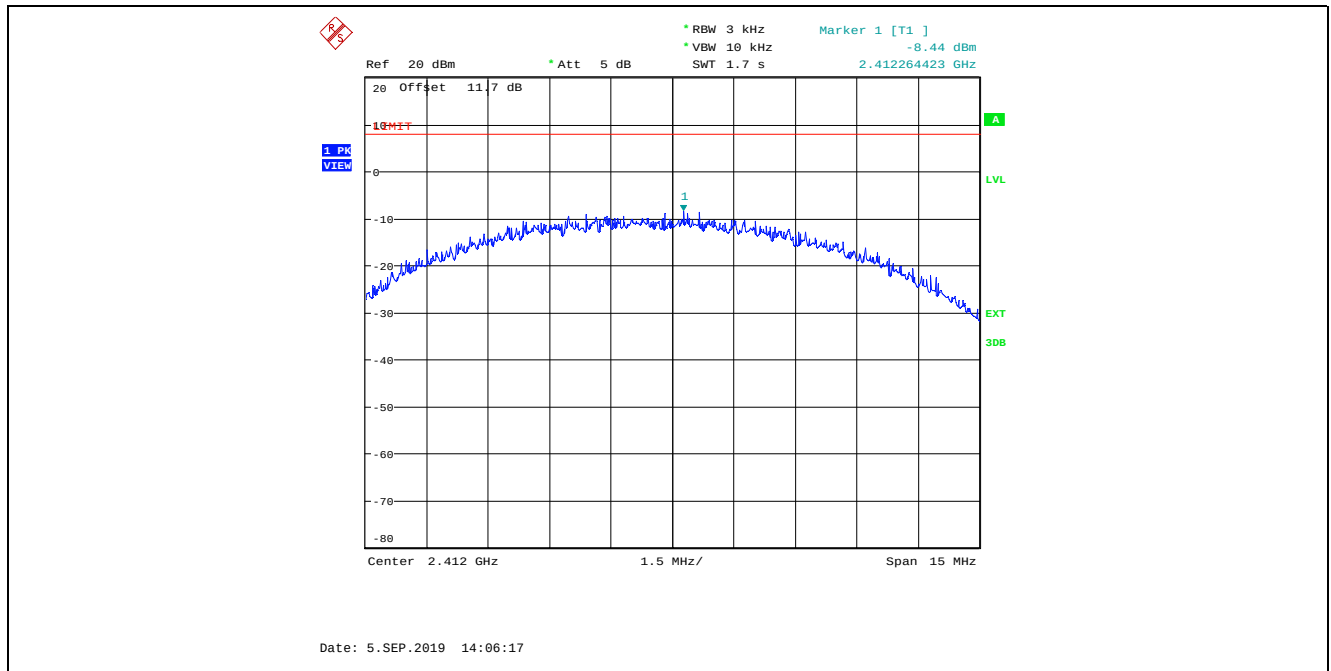
Plot 5.5.4.5. Power Spectral Density
802.11b, DQPSK 2Mbps, Power Setting 24, Channel 6, 2437 MHz



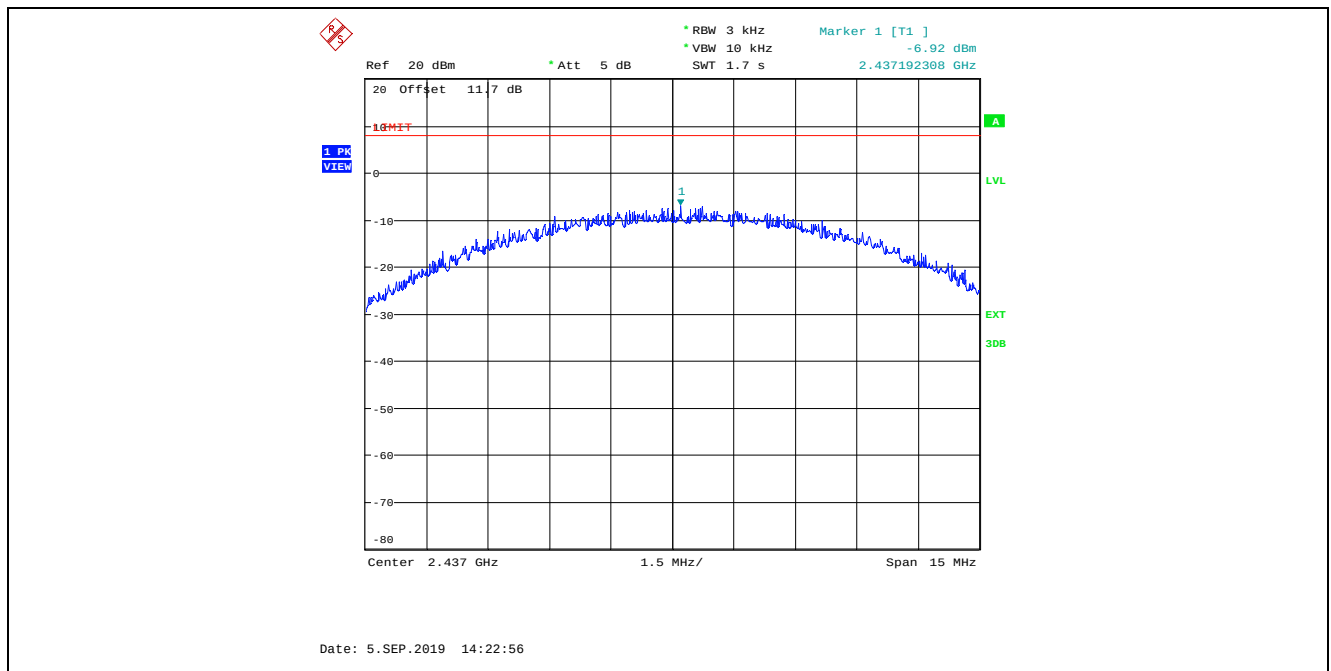
Plot 5.5.4.6. Power Spectral Density
802.11b, DQPSK 2Mbps, Power Setting 24, Channel 11, 2462 MHz



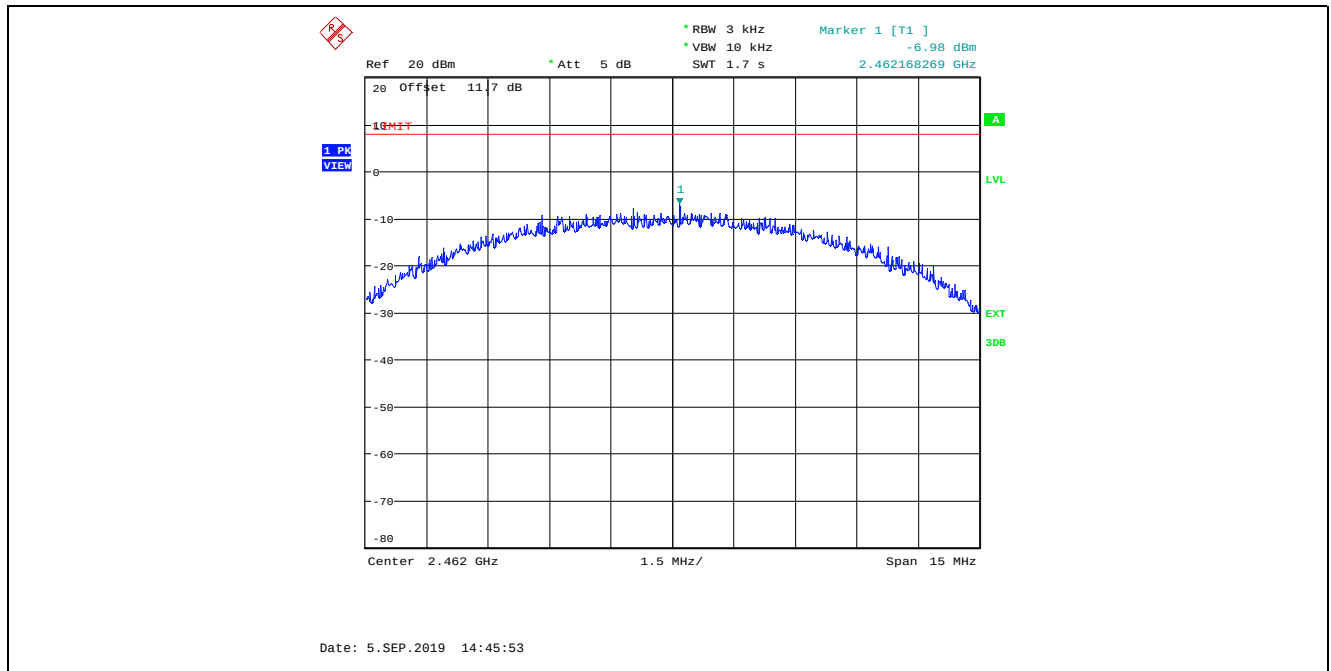
Plot 5.5.4.7. Power Spectral Density
802.11b, CCK 11Mbps, Power Setting 24, Channel 1, 2412 MHz



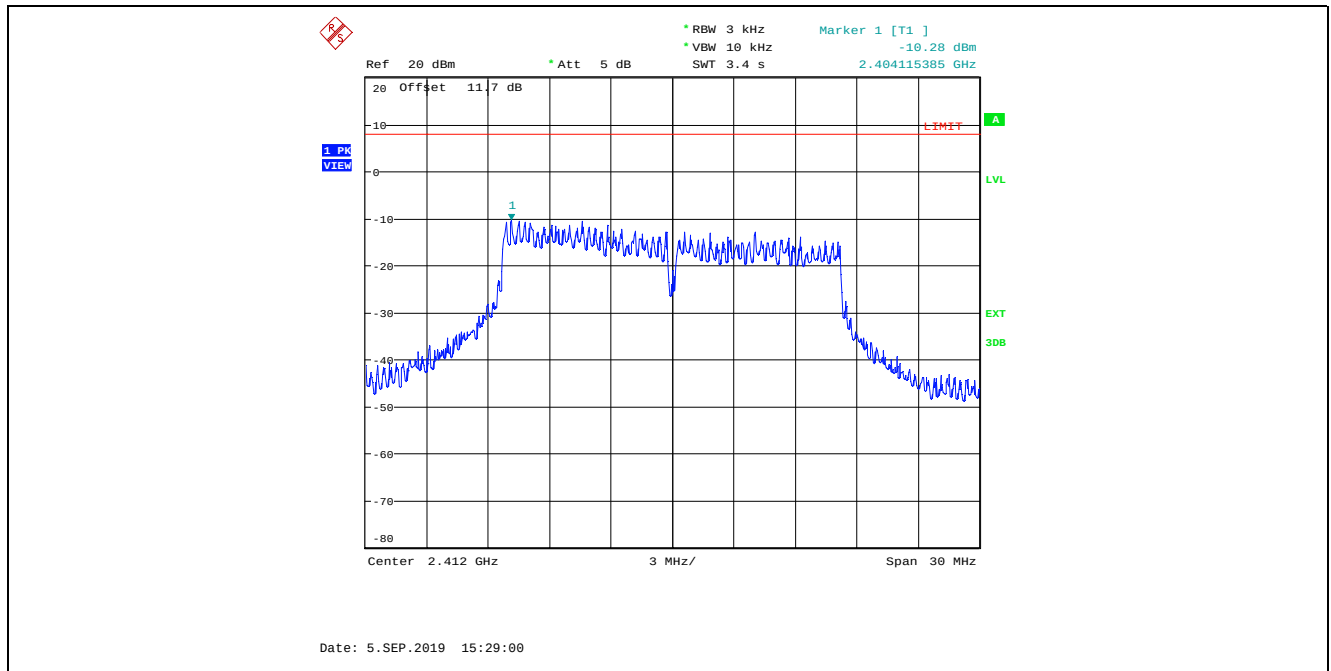
Plot 5.5.4.8. Power Spectral Density
802.11b, CCK 11Mbps, Power Setting 24, Channel 6, 2437 MHz



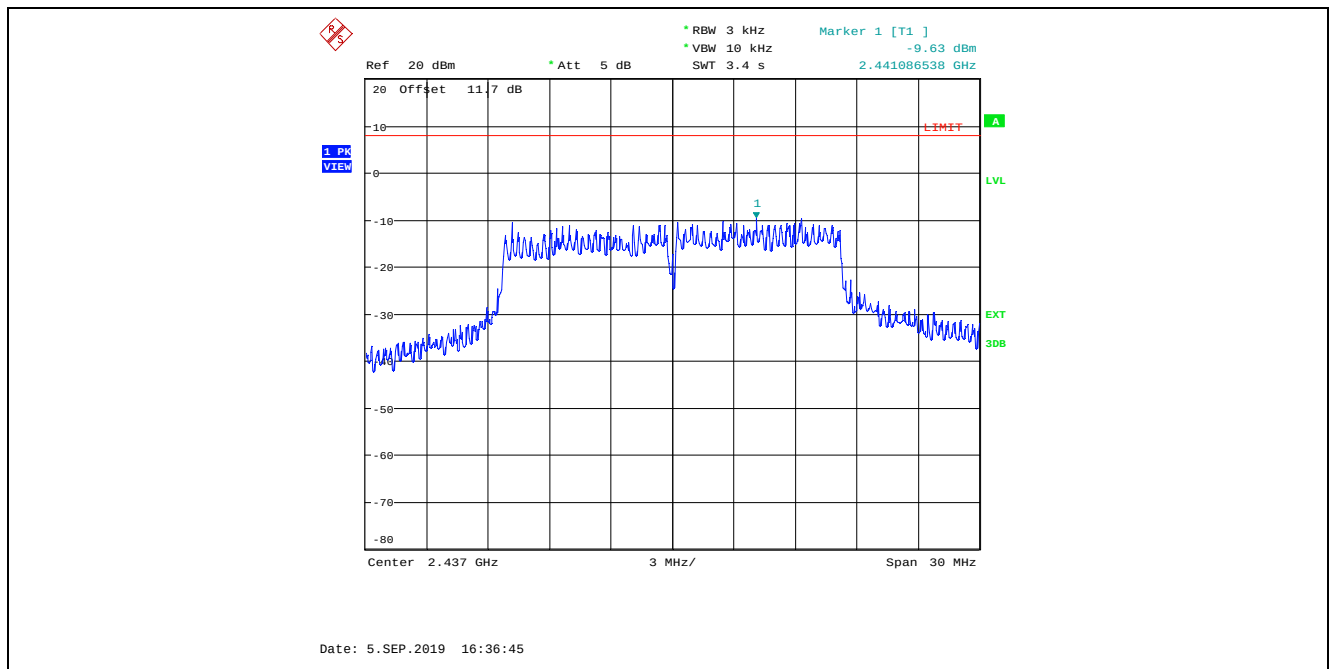
Plot 5.5.4.9. Power Spectral Density
802.11b, CCK 11Mbps, Power Setting 24, Channel 11, 2462 MHz



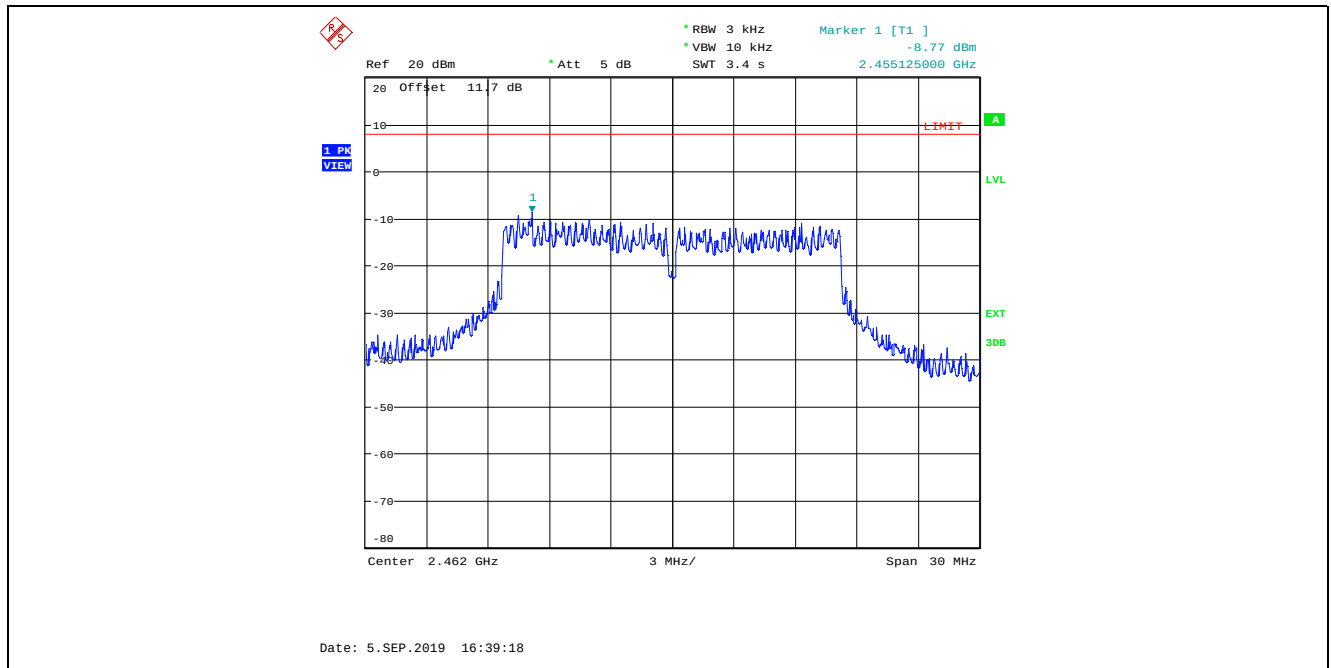
Plot 5.5.4.10. Power Spectral Density
802.11g, BPSK 9Mbps, Power Setting 21, Channel 1, 2412 MHz



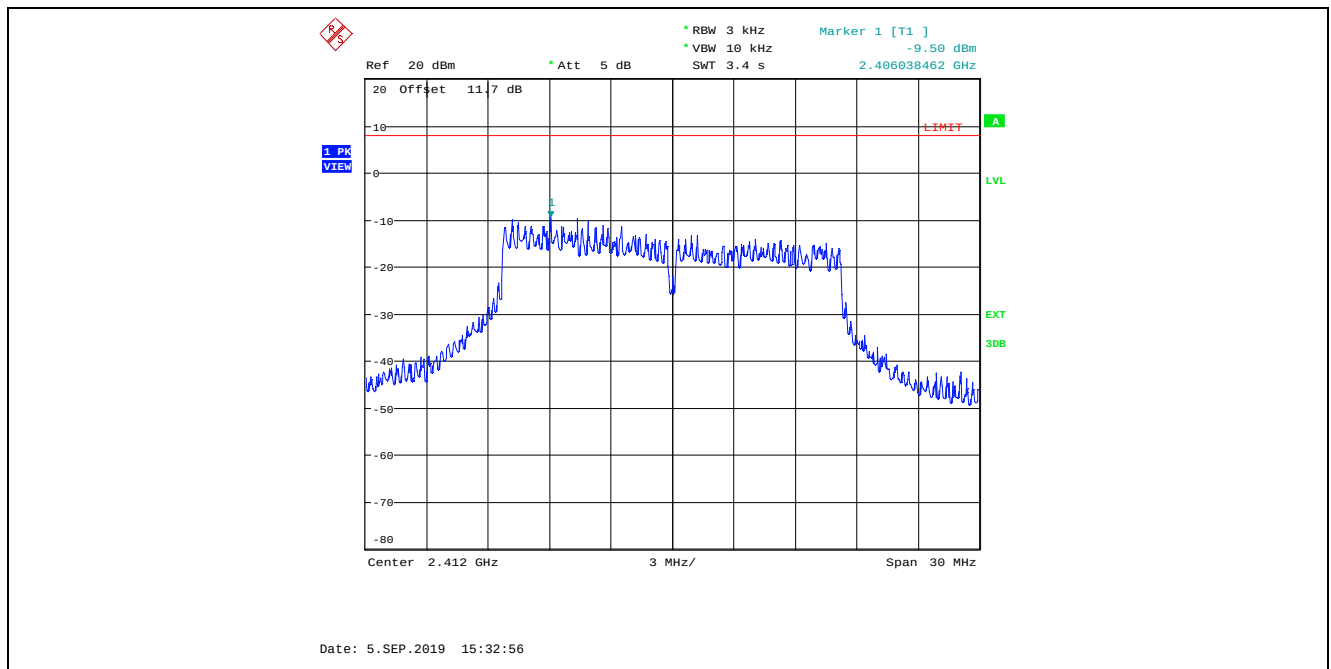
Plot 5.5.4.11. Power Spectral Density
802.11g, BPSK 9Mbps, Power Setting 24, Channel 6, 2437 MHz



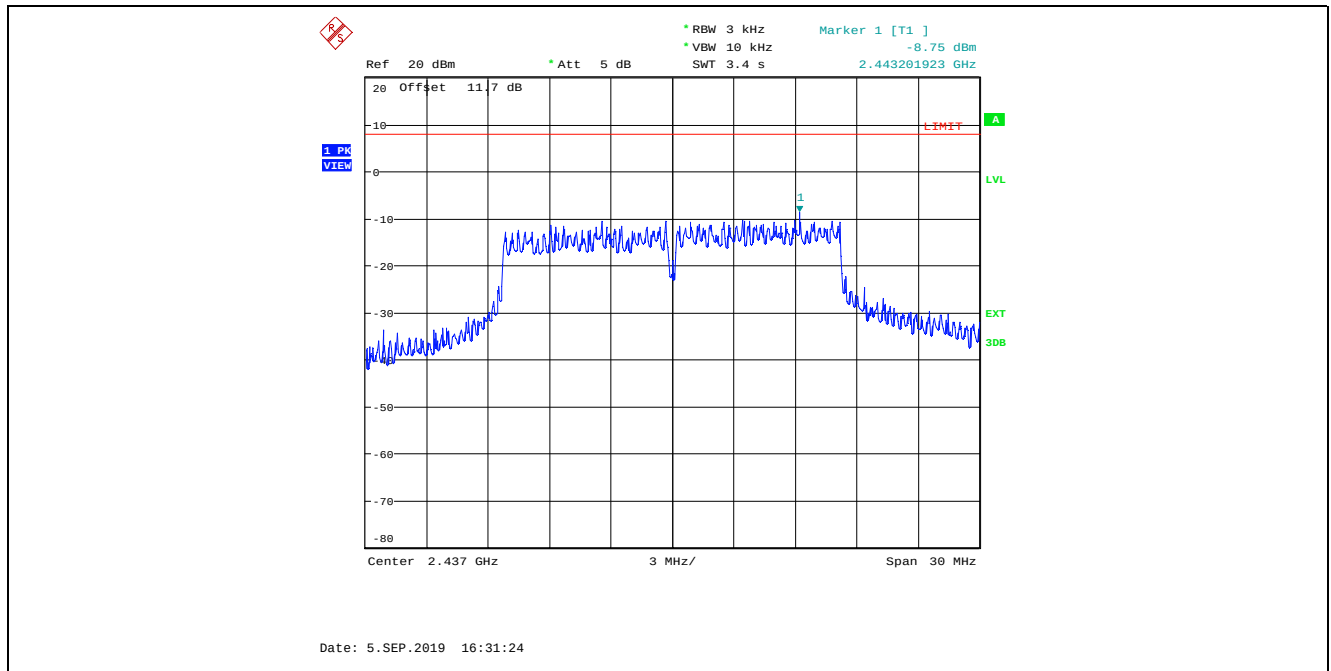
Plot 5.5.4.12. Power Spectral Density
802.11g, BPSK 9Mbps, Power Setting 19, Channel 11, 2462 MHz



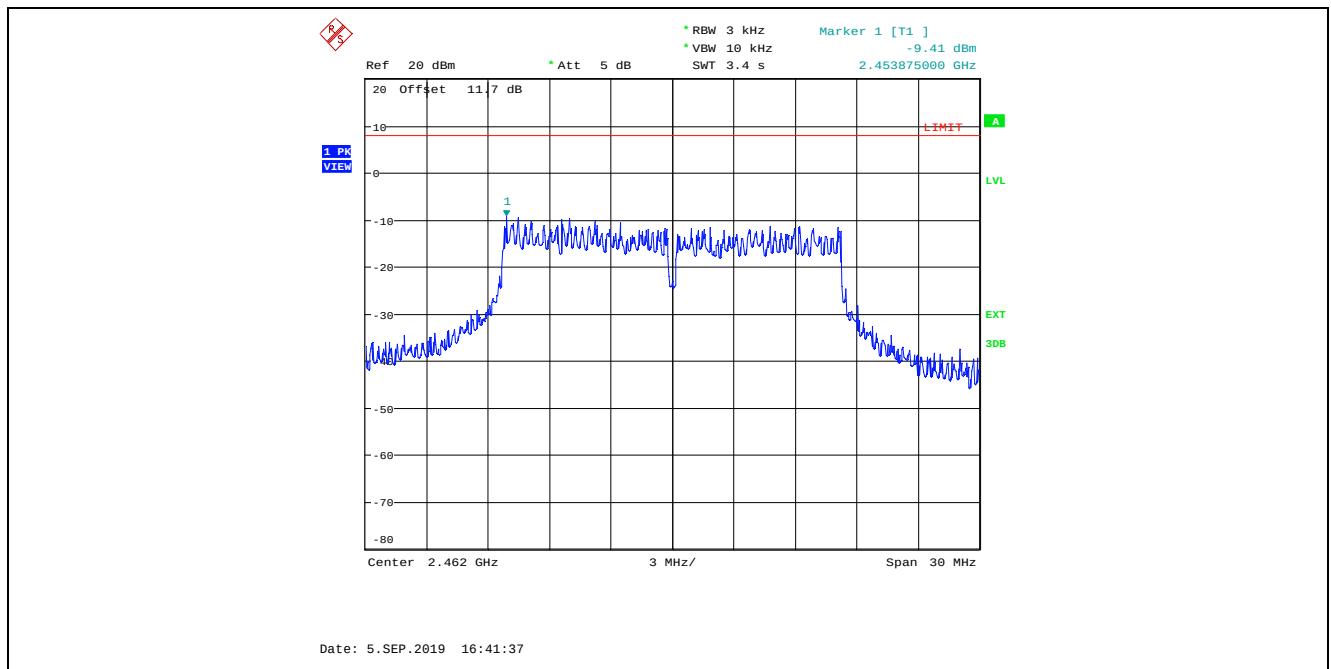
Plot 5.5.4.13. Power Spectral Density
802.11g, QPSK 18Mbps, Power Setting 21, Channel 1, 2412 MHz



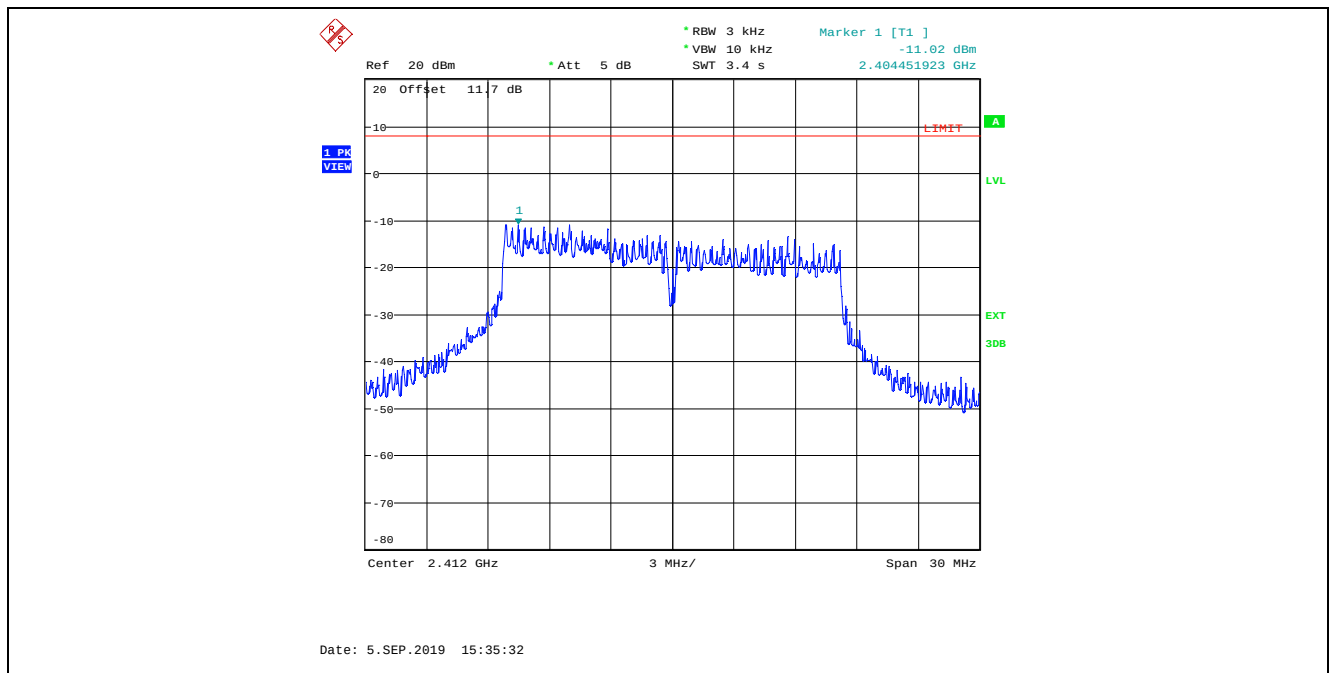
Plot 5.5.4.14. Power Spectral Density
802.11g, QPSK 18Mbps, Power Setting 24, Channel 6, 2437 MHz



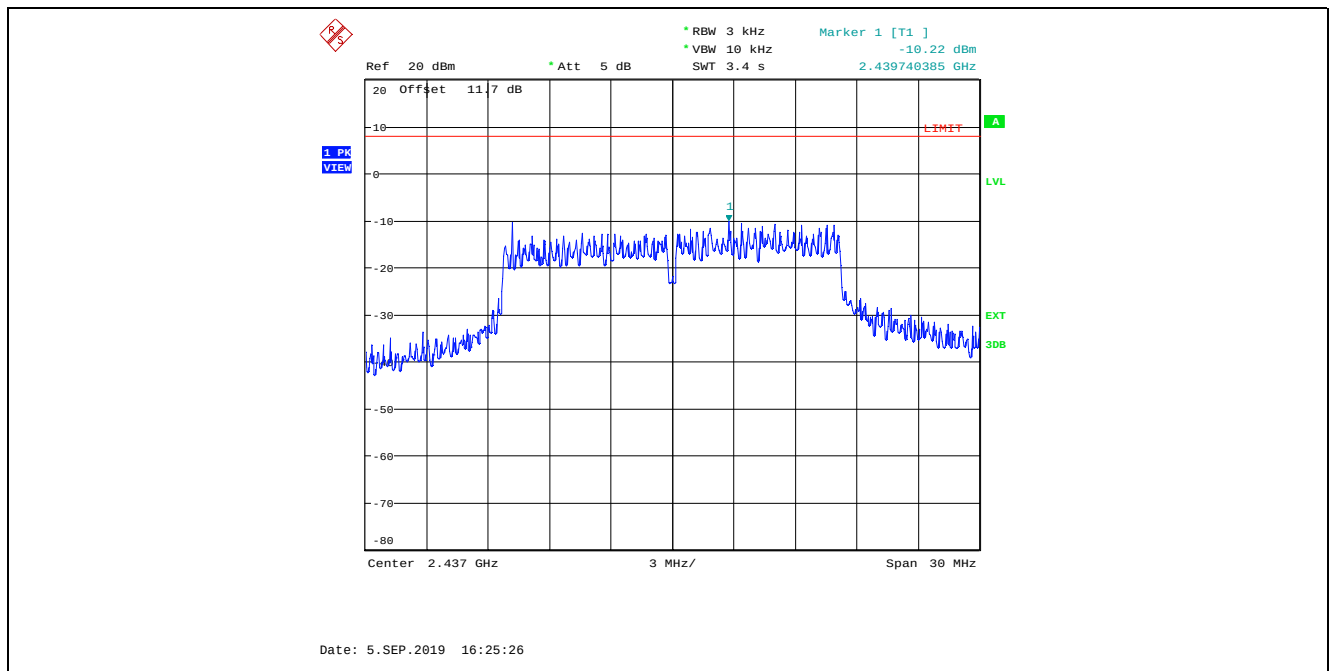
Plot 5.5.4.15. Power Spectral Density
802.11g, QPSK 18Mbps, Power Setting 19, Channel 11, 2462 MHz



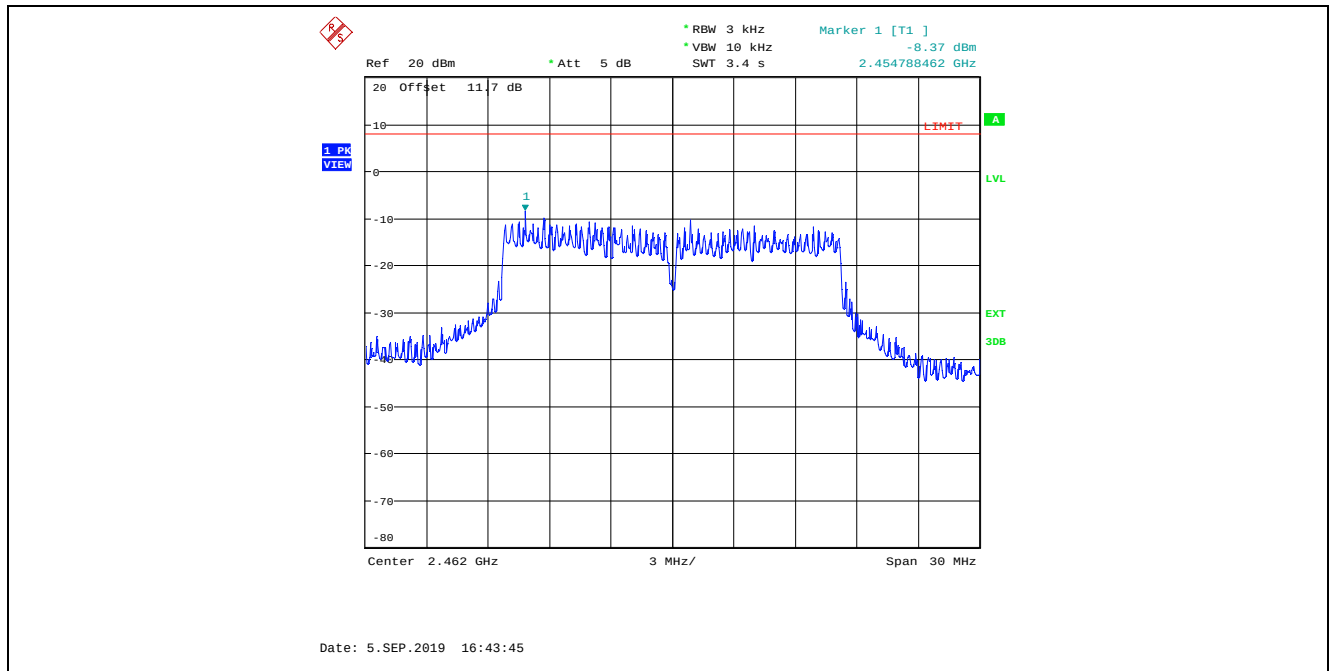
Plot 5.5.4.16. Power Spectral Density
802.11g, 16-QAM 36Mbps, Power Setting 21, Channel 1, 2412 MHz



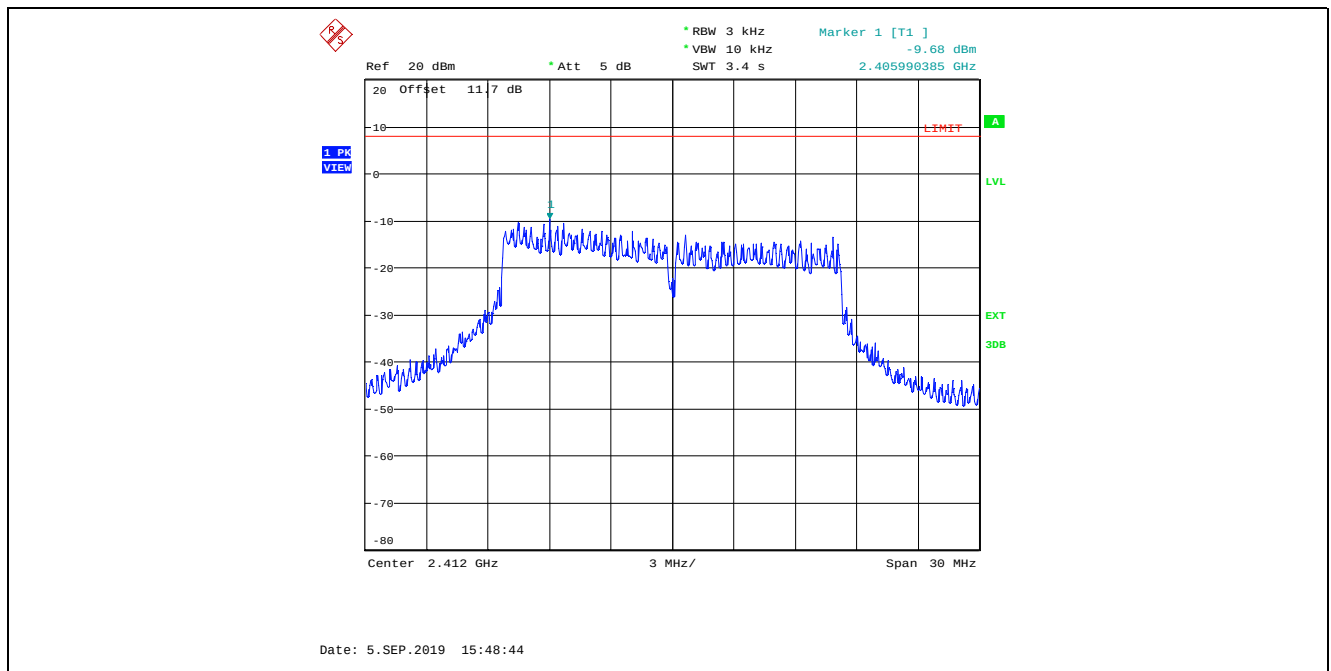
Plot 5.5.4.17. Power Spectral Density
802.11g, 16-QAM 36Mbps, Power Setting 24, Channel 6, 2437 MHz



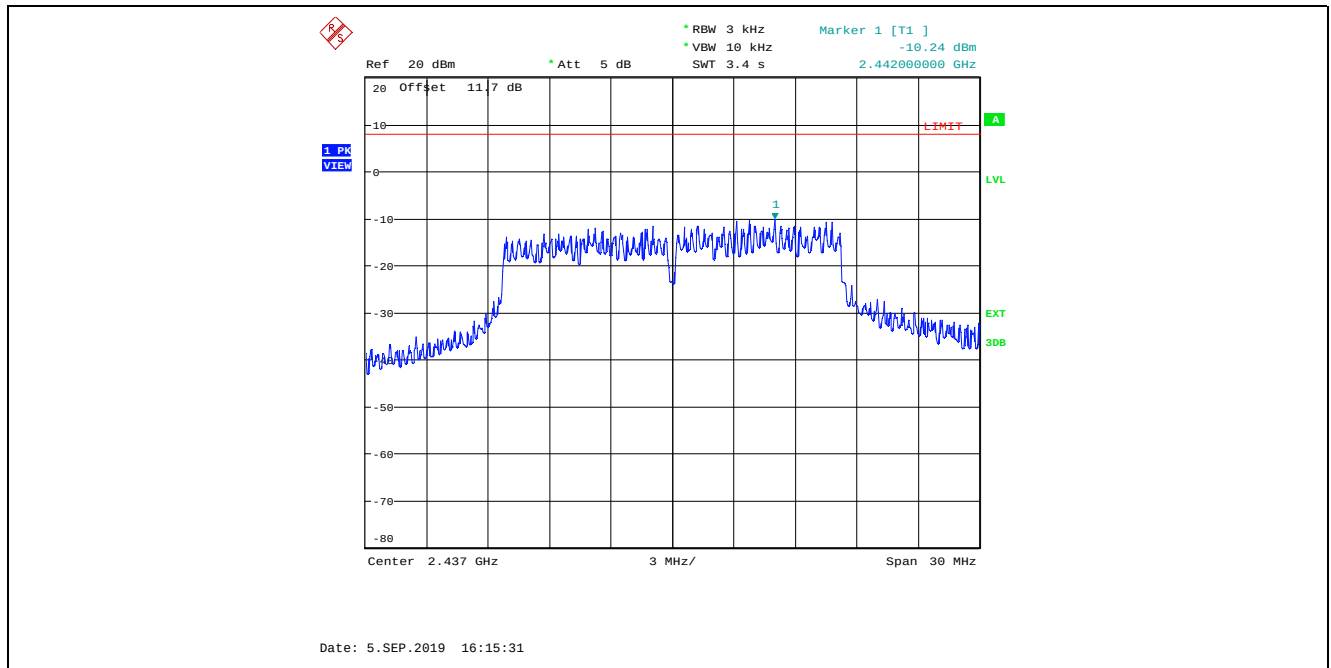
Plot 5.5.4.18. Power Spectral Density
802.11g, 16-QAM 36Mbps, Power Setting 19, Channel 11, 2462 MHz



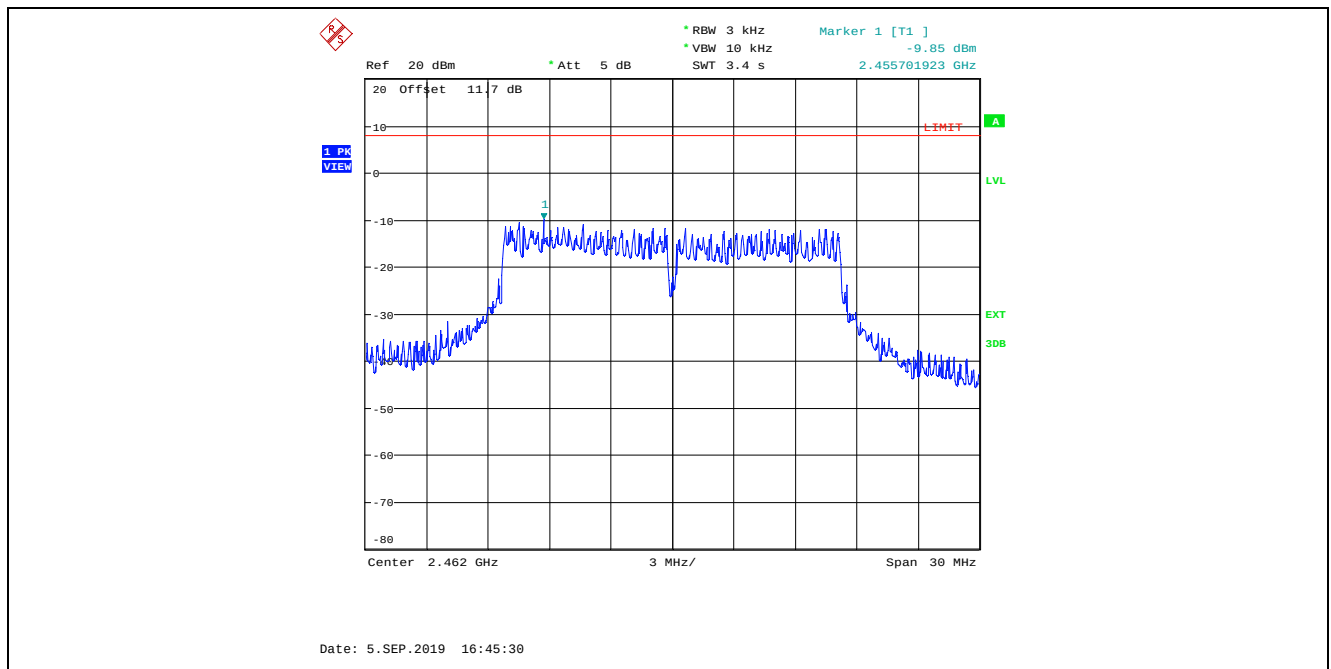
Plot 5.5.4.19. Power Spectral Density
802.11g, 64-QAM 54Mbps, Power Setting 21, Channel 1, 2412 MHz



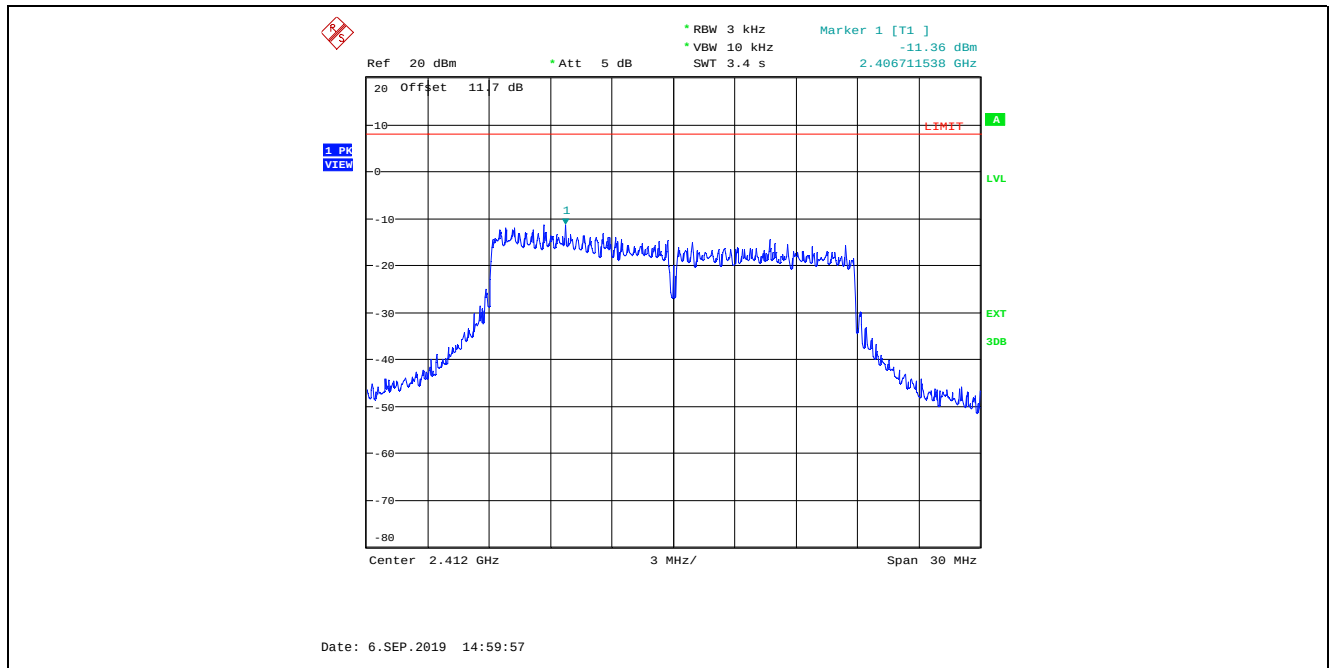
Plot 5.5.4.20. Power Spectral Density
802.11g, 64-QAM 54Mbps, Power Setting 24, Channel 6, 2437 MHz



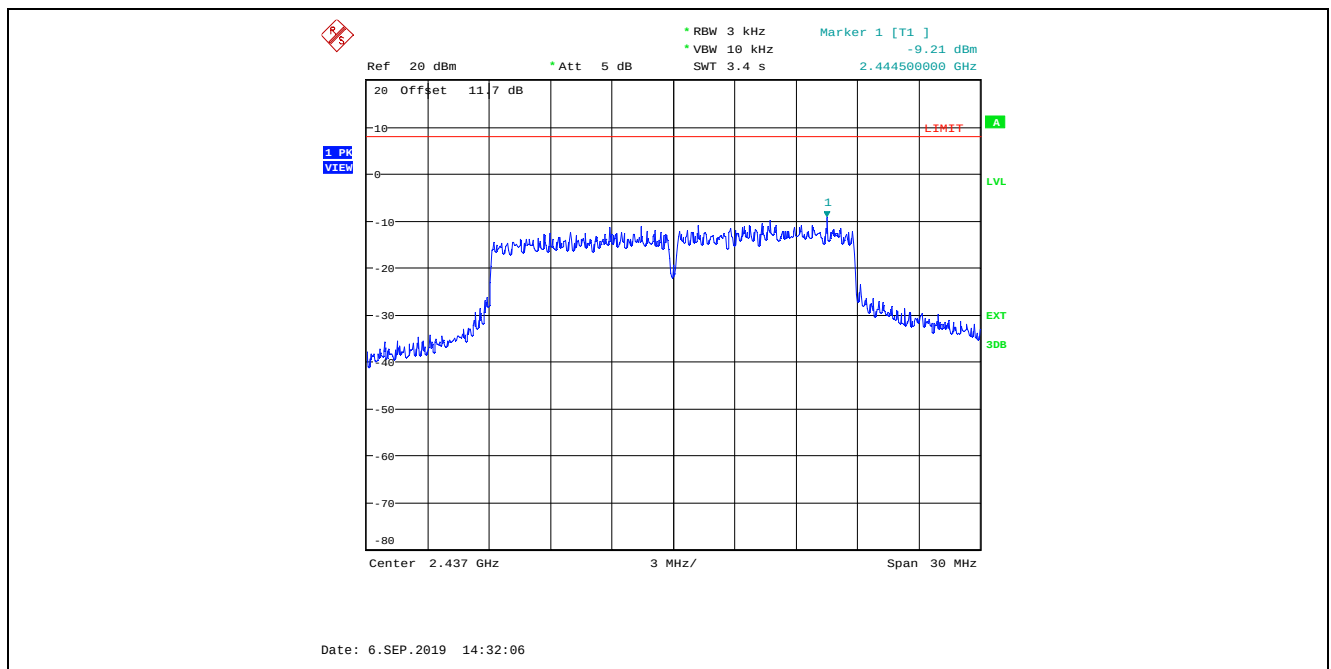
Plot 5.5.4.21. Power Spectral Density
802.11g, 64-QAM 54Mbps, Power Setting 19, Channel 11, 2462 MHz



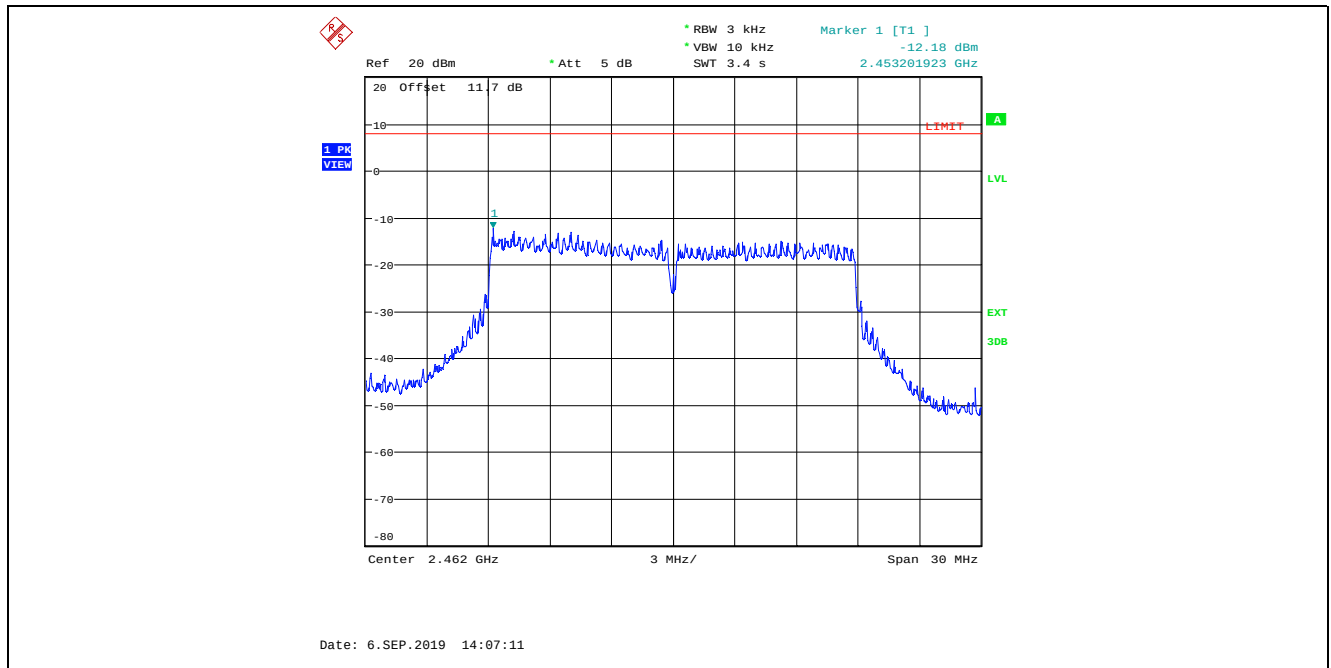
Plot 5.5.4.22. Power Spectral Density
802.11n, HT20, 400 ns, MCS 0 BPSK $\frac{1}{2}$ 7.2 Mbps, Power Setting 20, Channel 1, 2412 MHz



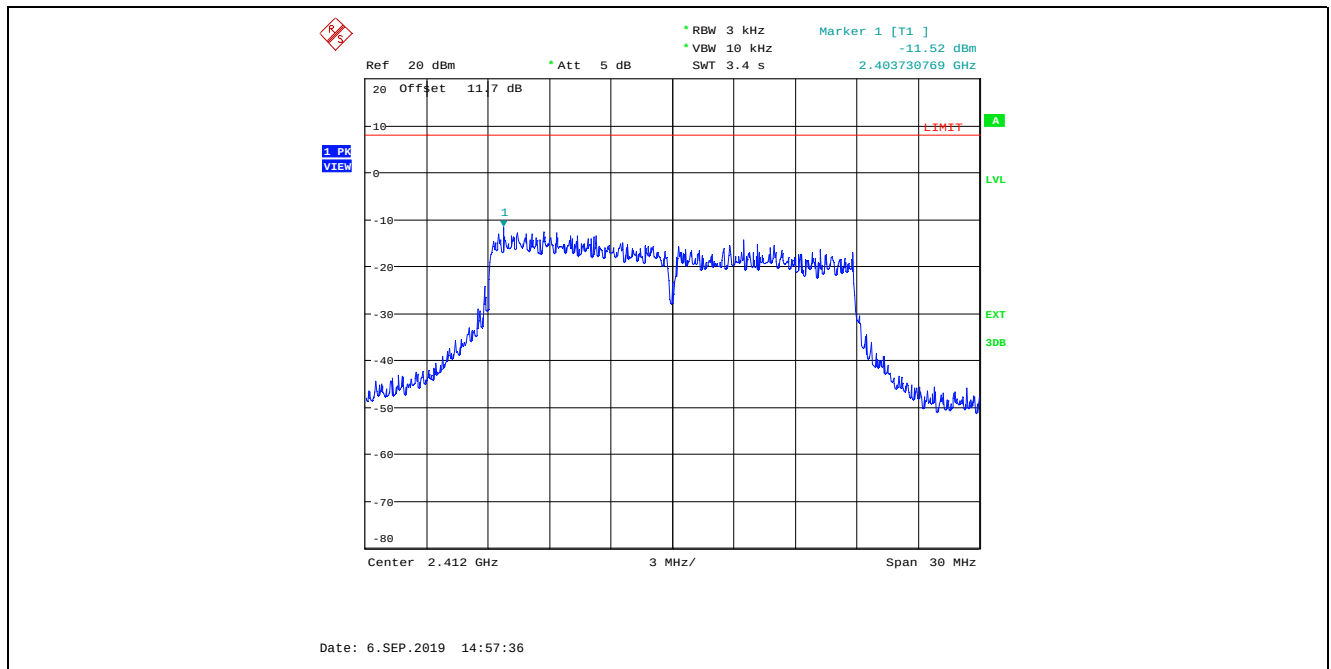
Plot 5.5.4.23. Power Spectral Density
802.11n, HT20, 400 ns, MCS 0 BPSK $\frac{1}{2}$ 7.2 Mbps, Power Setting 24, Channel 6, 2437 MHz



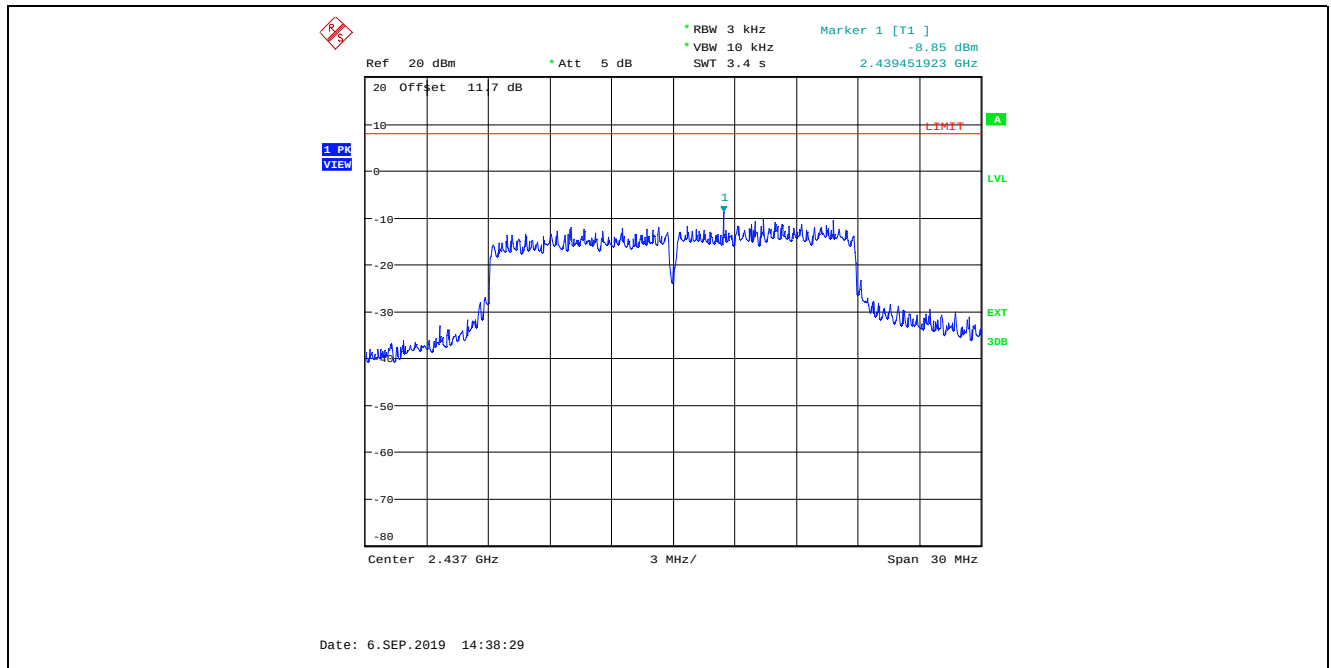
Plot 5.5.4.24. Power Spectral Density
802.11n, HT20, 400 ns, MCS 0 BPSK $\frac{1}{2}$ 7.2 Mbps, Power Setting 18, Channel 11, 2462 MHz



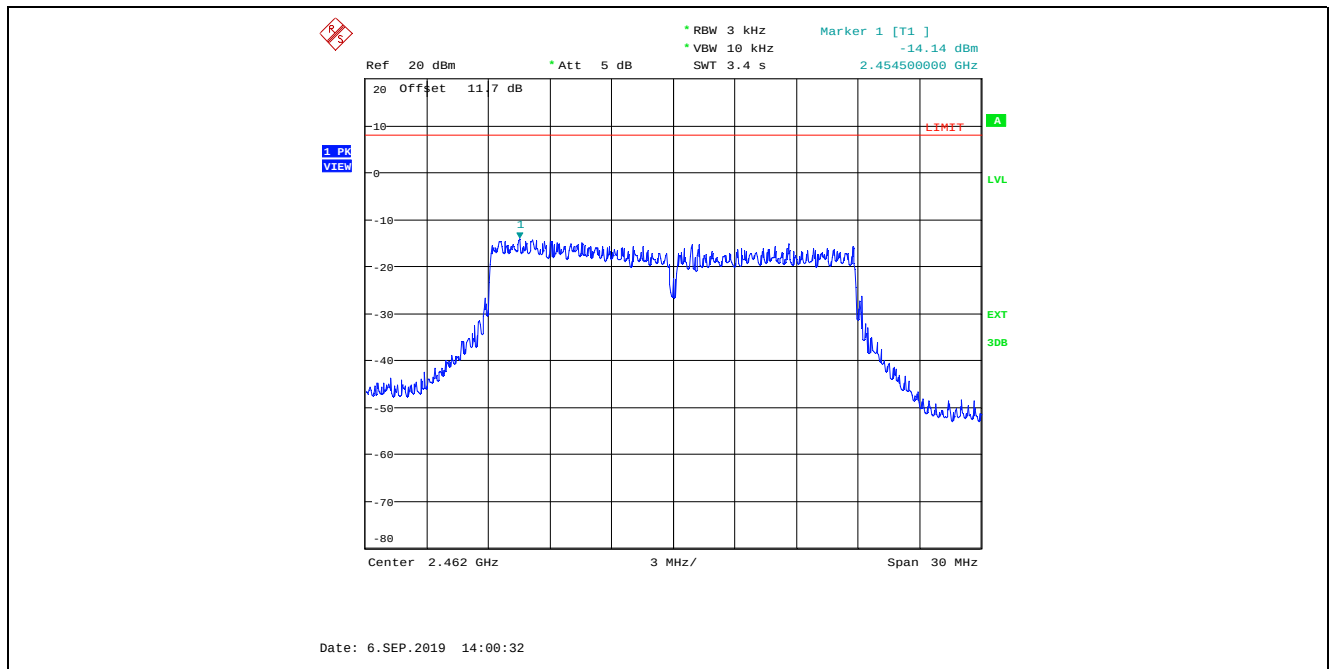
Plot 5.5.4.25. Power Spectral Density
802.11n, HT20, 400 ns, MCS 2 QPSK $\frac{3}{4}$ 21.7 Mbps, Power Setting 20, Channel 1, 2412 MHz



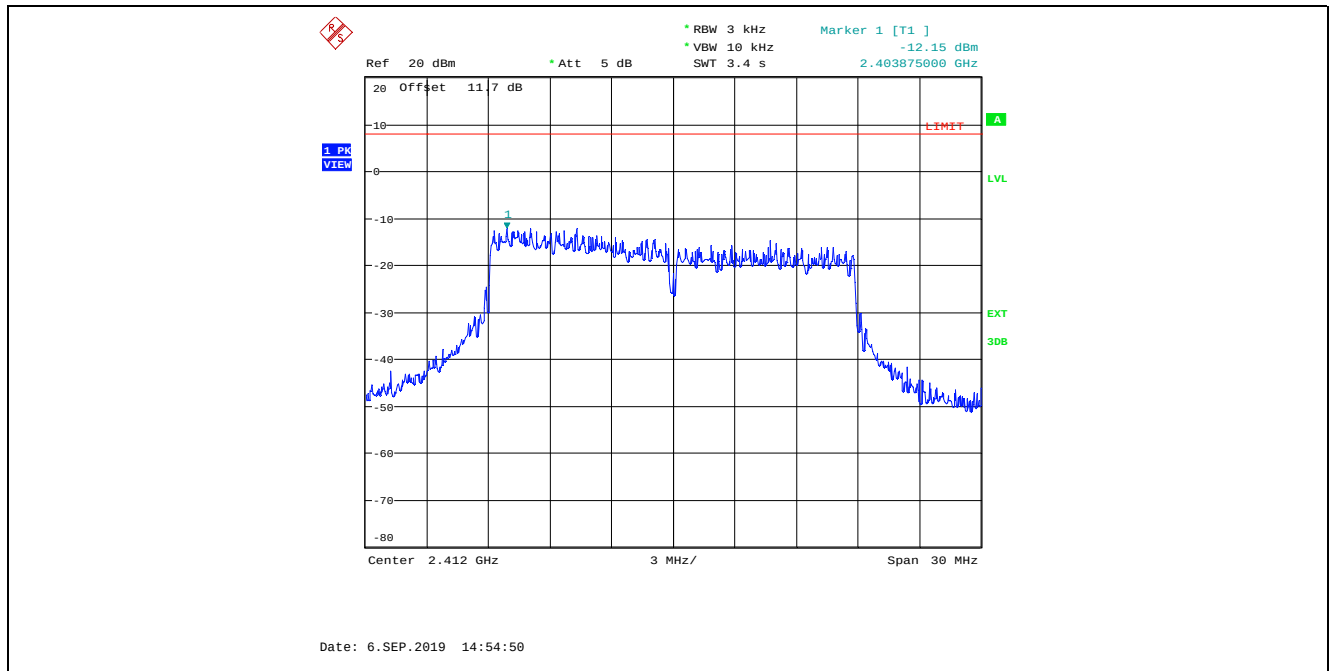
Plot 5.5.4.26. Power Spectral Density
802.11n, HT20, 400 ns, MCS 2 QPSK $\frac{3}{4}$ 21.7 Mbps, Power Setting 24, Channel 6, 2437 MHz



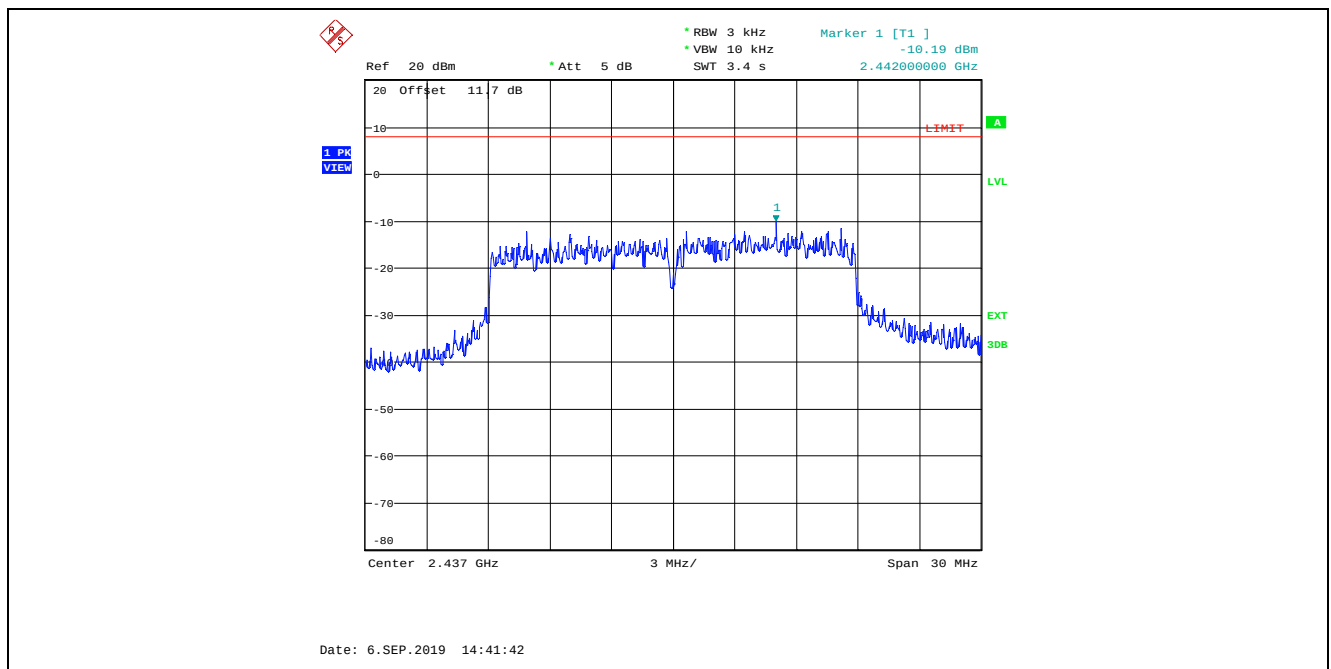
Plot 5.5.4.27. Power Spectral Density
802.11n, HT20, 400 ns, MCS 2 QPSK $\frac{3}{4}$ 21.7 Mbps, Power Setting 18, Channel 11, 2462 MHz



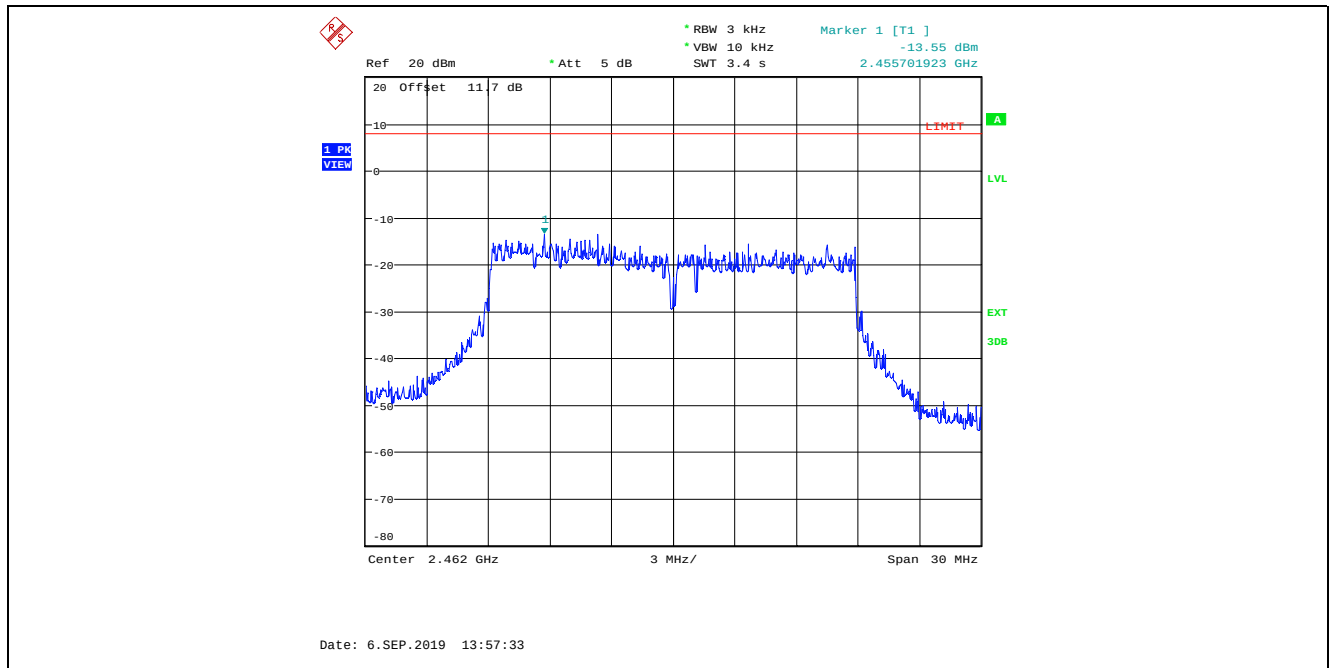
Plot 5.5.4.28. Power Spectral Density
802.11n, HT20, 400 ns, MCS 4 16-QAM $\frac{3}{4}$ 43.3 Mbps, Power Setting 20, Channel 1, 2412 MHz



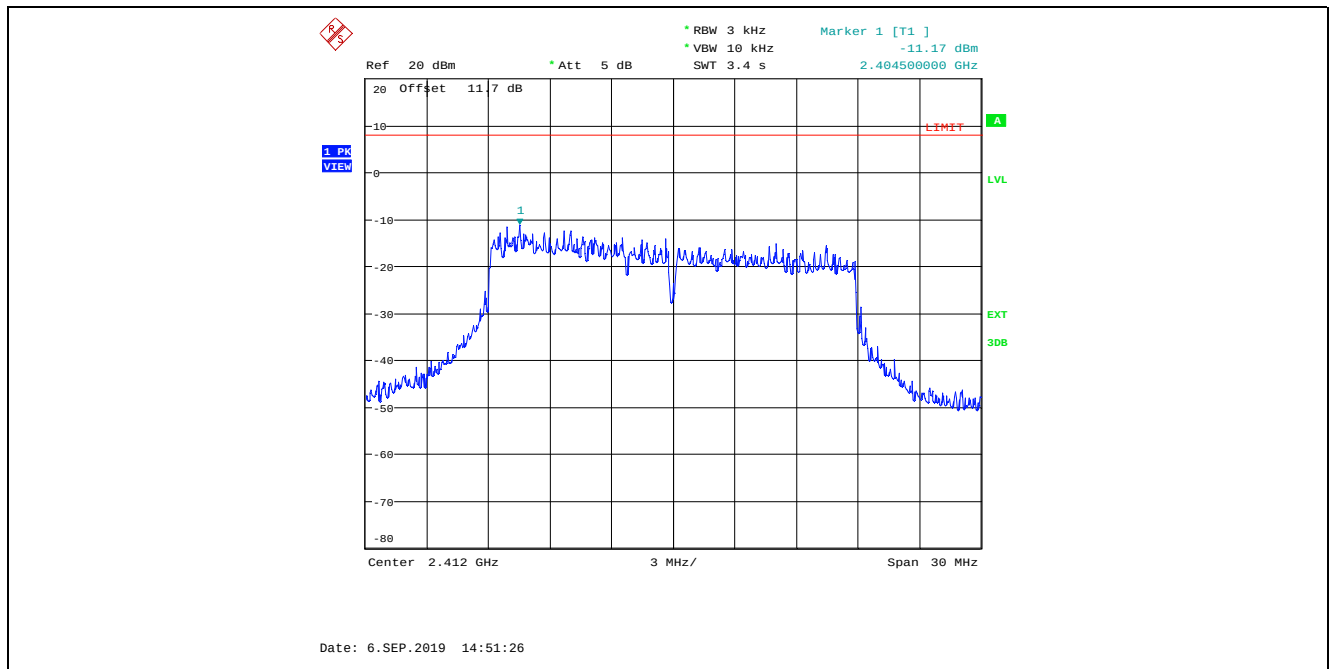
Plot 5.5.4.29. Power Spectral Density
802.11n, HT20, 400 ns, MCS 4 16-QAM $\frac{3}{4}$ 43.3 Mbps, Power Setting 24, Channel 6, 2437 MHz



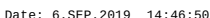
Plot 5.5.4.30. Power Spectral Density
802.11n, HT20, 400 ns, MCS 4 16-QAM $\frac{3}{4}$ 43.3 Mbps, Power Setting 18, Channel 11, 2462 MHz



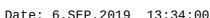
Plot 5.5.4.31. Power Spectral Density
802.11n, HT20, 400 ns, MCS 7 64-QAM $\frac{5}{6}$ 72.2 Mbps, Power Setting 20, Channel 1, 2412 MHz



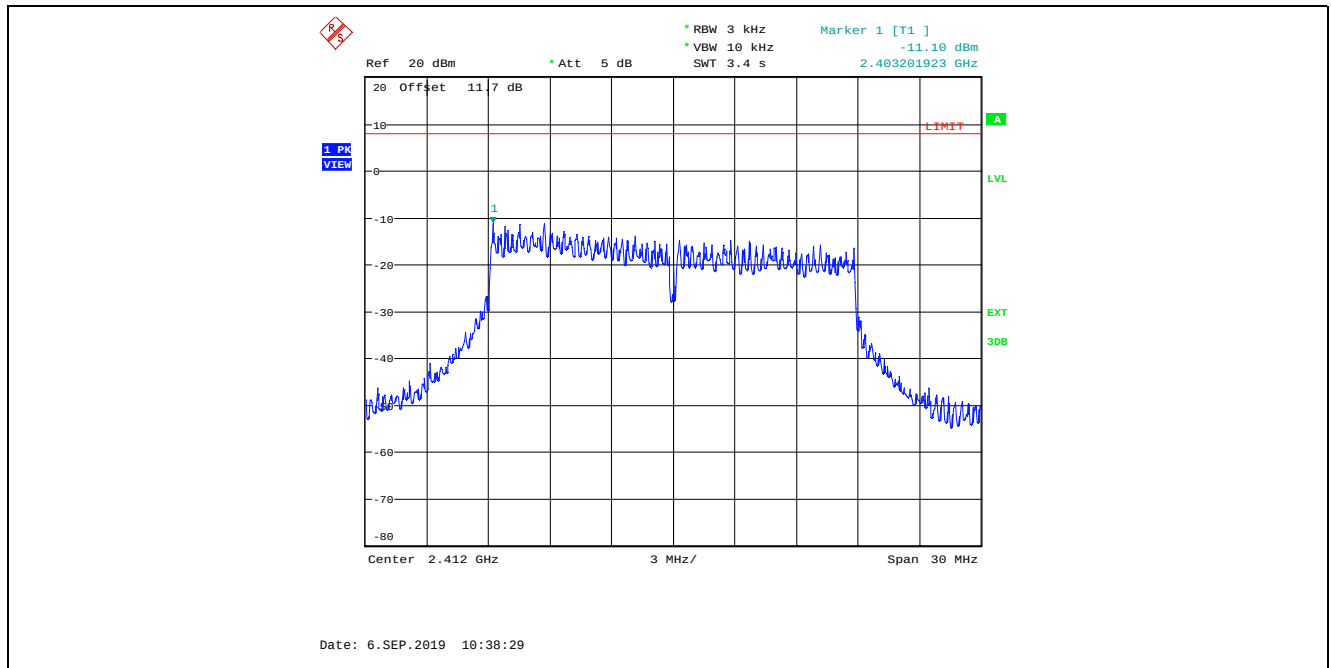
Plot 5.5.4.32. Power Spectral Density



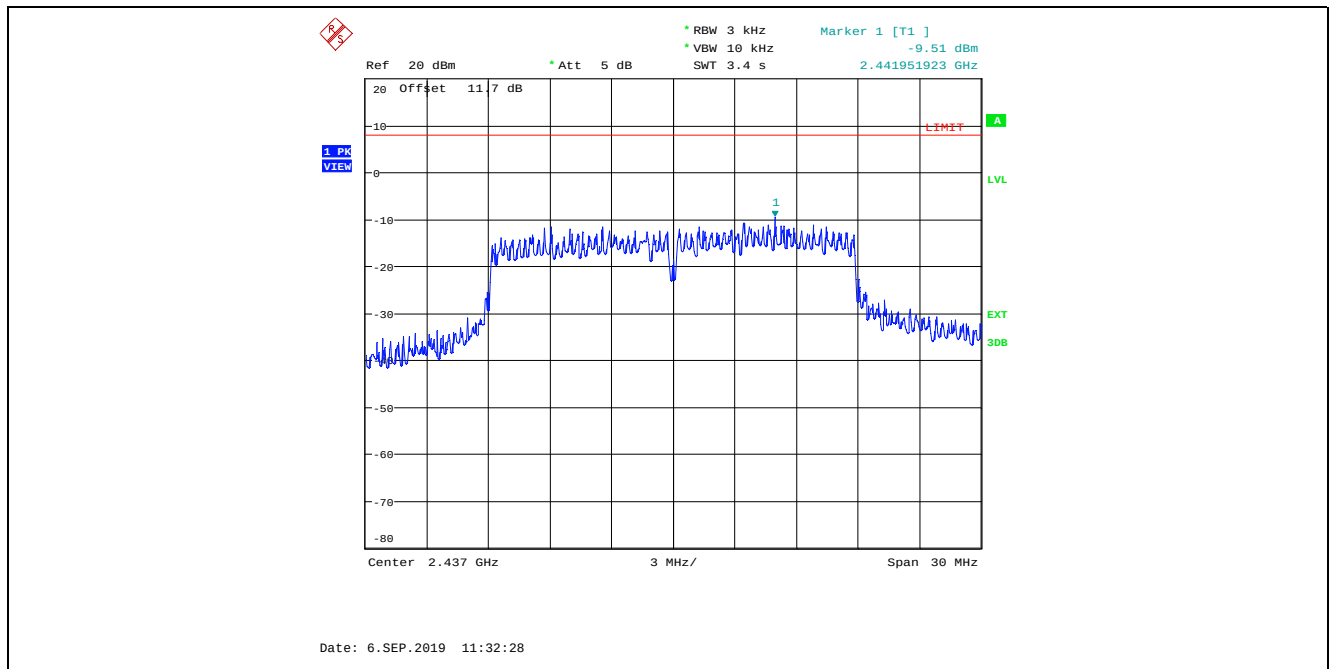
Plot 5.5.4.33. Power Spectral Density



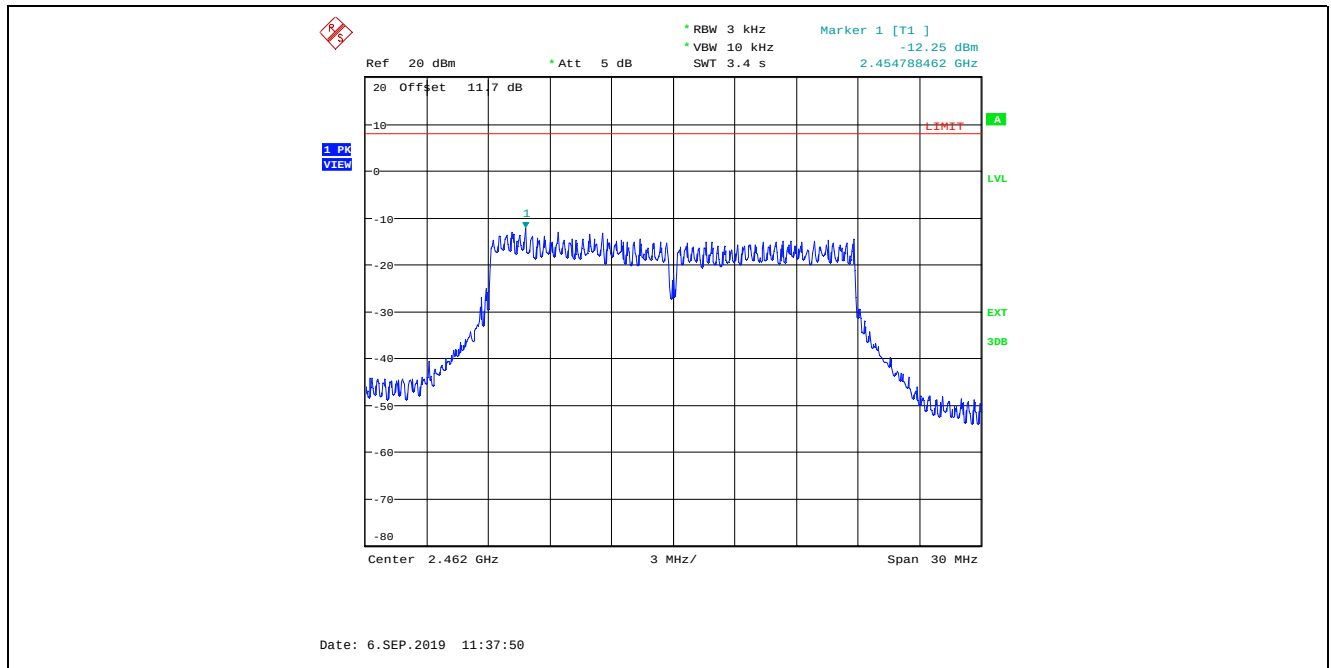
Plot 5.5.4.34. Power Spectral Density
802.11n, HT20, 800 ns, MCS 0 BPSK ½ 6.5 Mbps, Power Setting 19, Channel 1, 2412 MHz



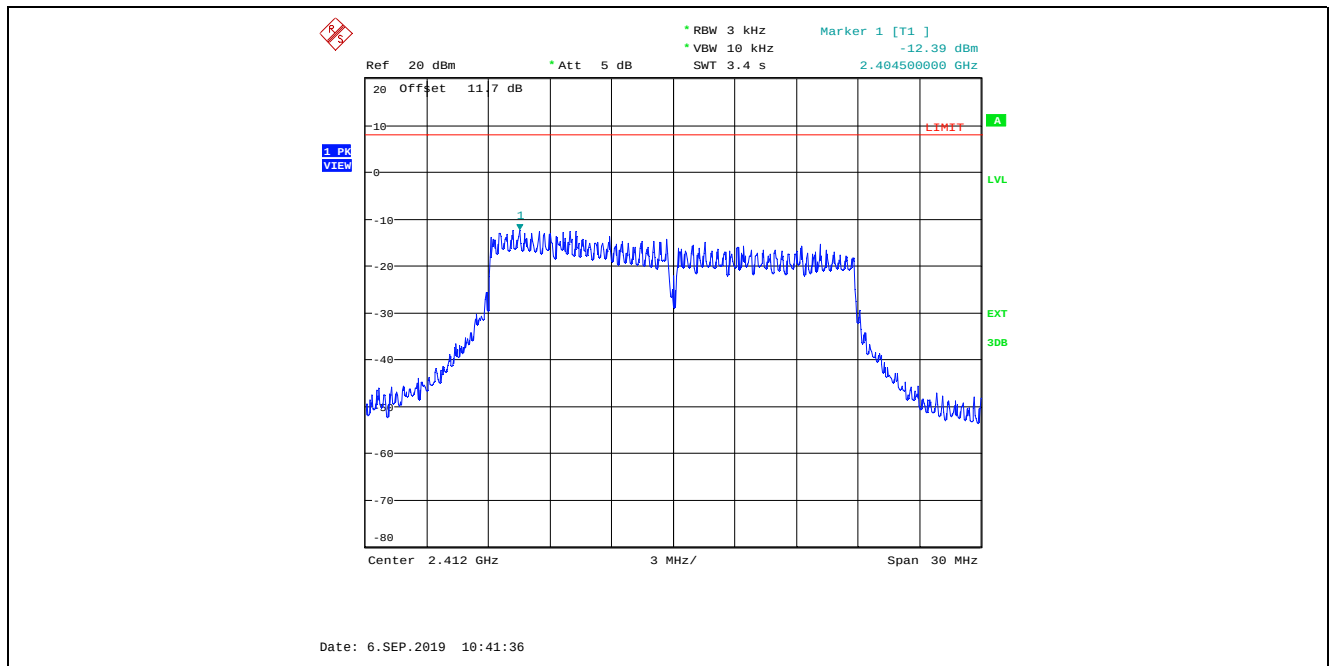
Plot 5.5.4.35. Power Spectral Density
802.11n, HT20, 800 ns, MCS 0 BPSK ½ 6.5 Mbps, Power Setting 24, Channel 6, 2437 MHz



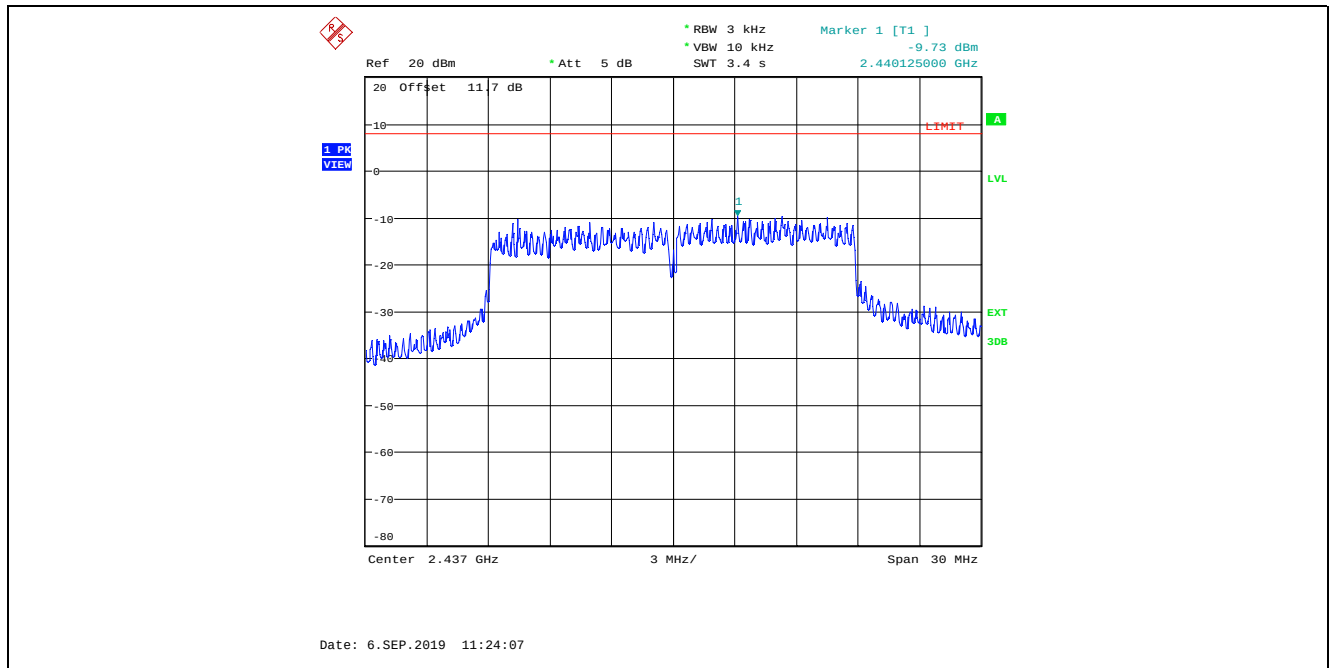
Plot 5.5.4.36. Power Spectral Density
802.11n, HT20, 800 ns, MCS 0 BPSK $\frac{1}{2}$ 6.5 Mbps, Power Setting 18, Channel 11, 2462 MHz



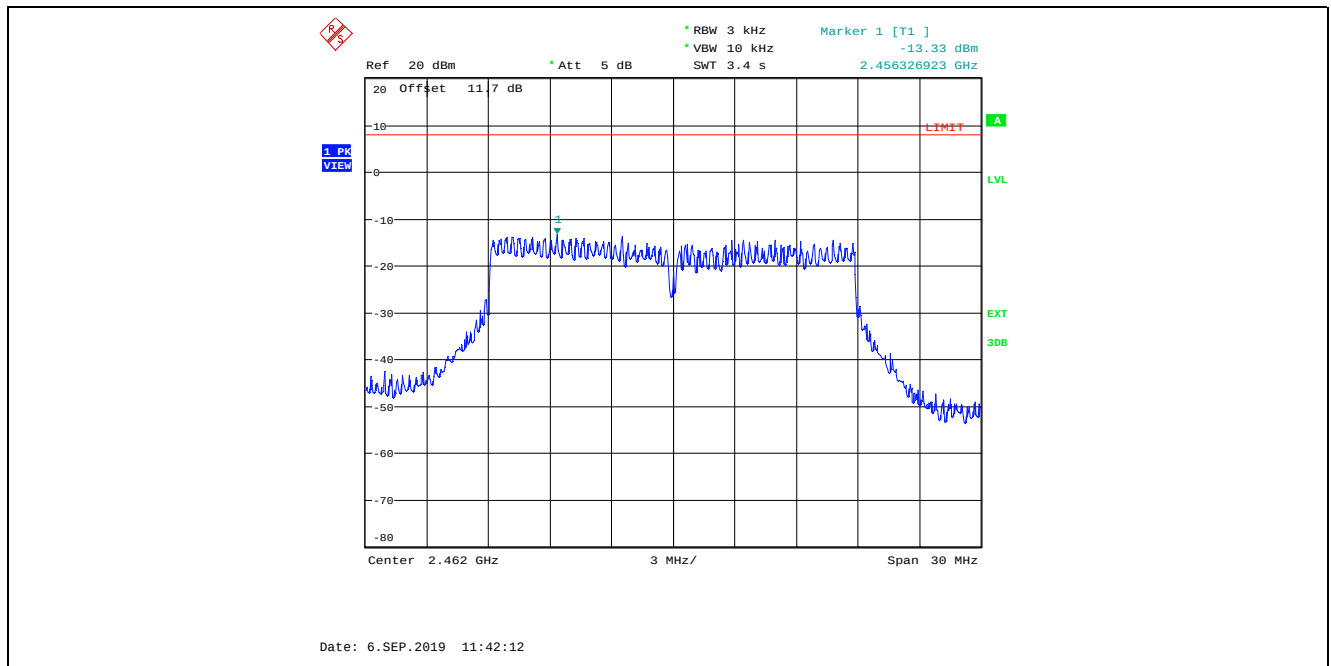
Plot 5.5.4.37. Power Spectral Density
802.11n, HT20, 800 ns, MCS 2 QPSK $\frac{3}{4}$ 19.5 Mbps, Power Setting 19, Channel 1, 2412 MHz



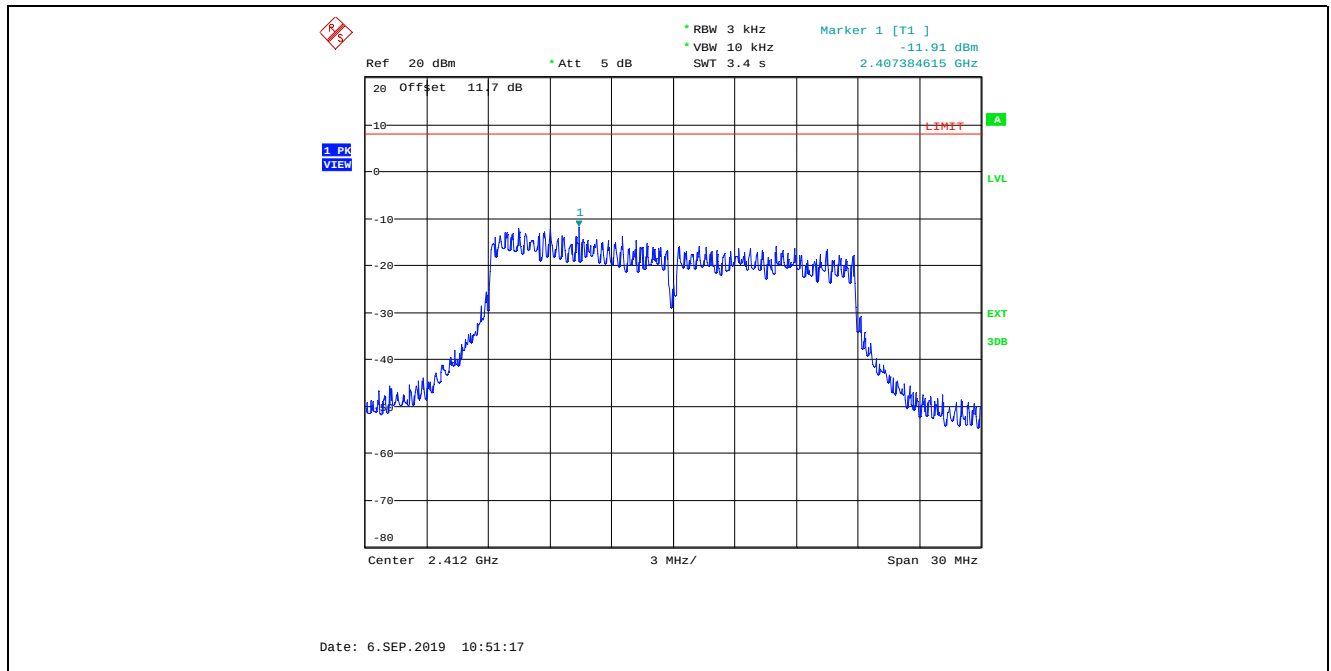
Plot 5.5.4.38. Power Spectral Density
802.11n, HT20, 800 ns, MCS 2 QPSK $\frac{3}{4}$ 19.5 Mbps , Power Setting 24, Channel 6, 2437 MHz



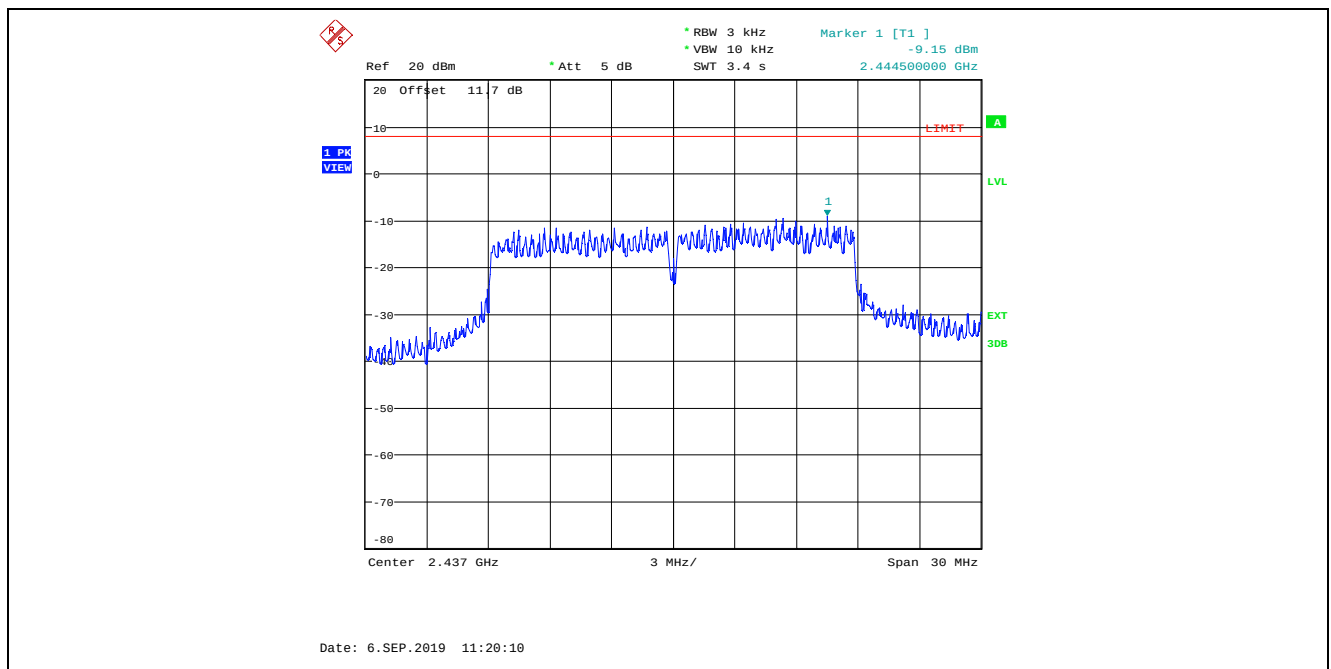
Plot 5.5.4.39. Power Spectral Density
802.11n, HT20, 800 ns, MCS 2 QPSK $\frac{3}{4}$ 19.5 Mbps , Power Setting 18, Channel 11, 2462 MHz



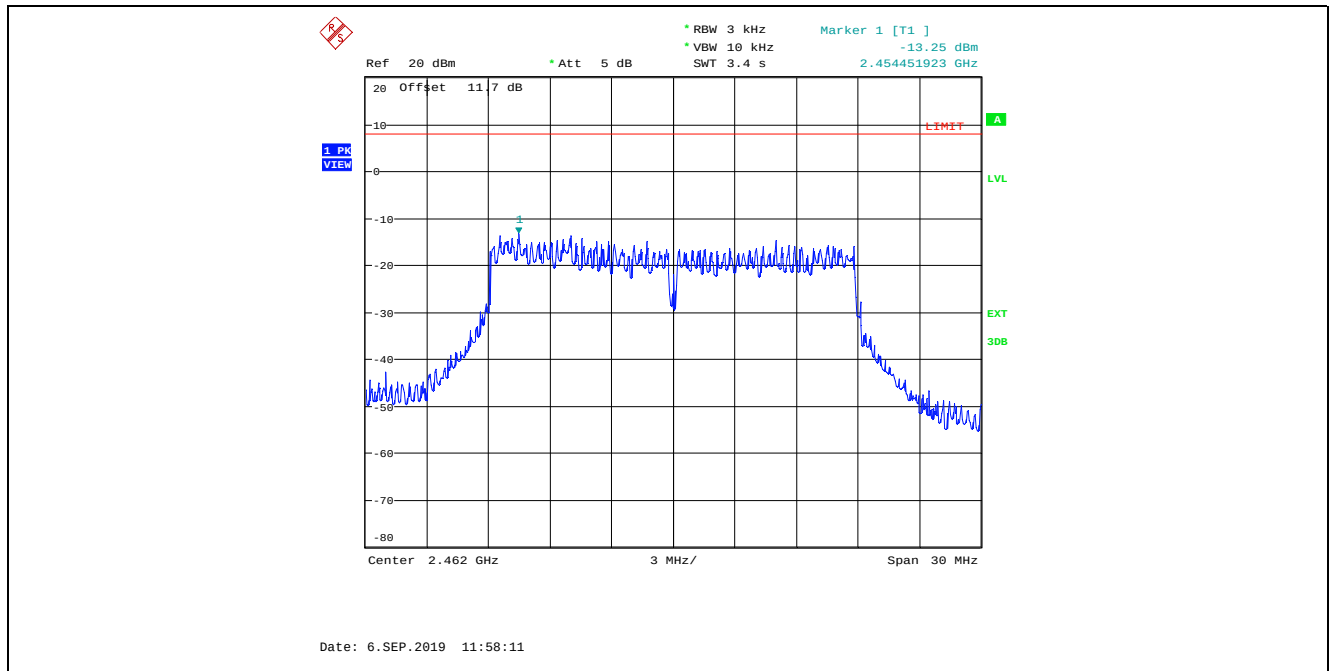
Plot 5.5.4.40. Power Spectral Density
802.11n, HT20, 800 ns, MCS 4 16-QAM ¼ 39 Mbps, Power Setting 19, Channel 1, 2412 MHz



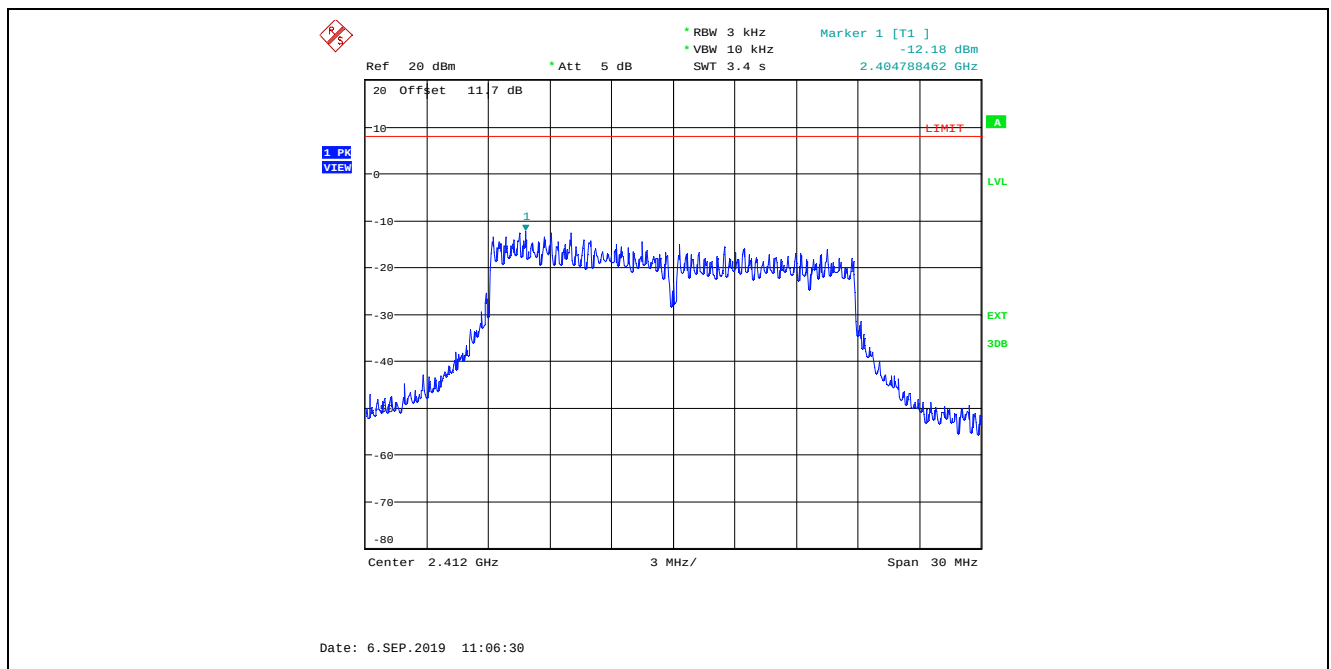
Plot 5.5.4.41. Power Spectral Density
802.11n, HT20, 800 ns, MCS 4 16-QAM ¼ 39 Mbps, Power Setting 24, Channel 6, 2437 MHz



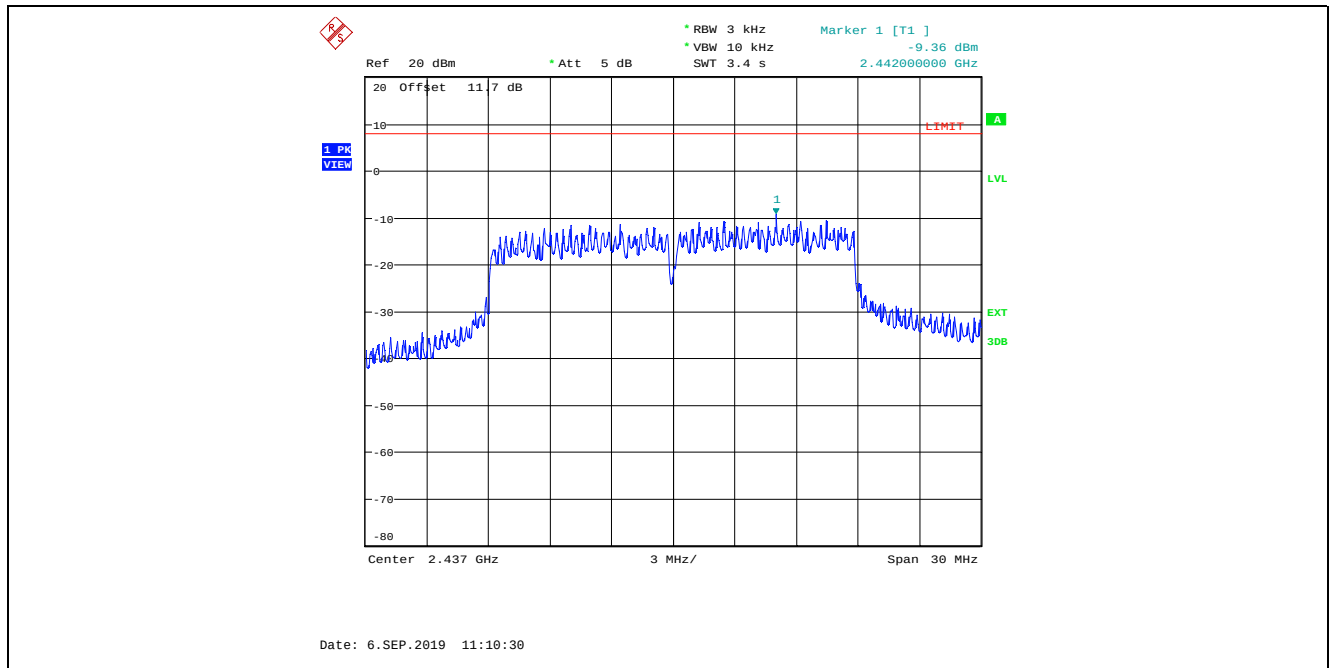
Plot 5.5.4.42. Power Spectral Density
802.11n, HT20, 800 ns, MCS 4 16-QAM $\frac{3}{4}$ 39 Mbps, Power Setting 18, Channel 11, 2462 MHz



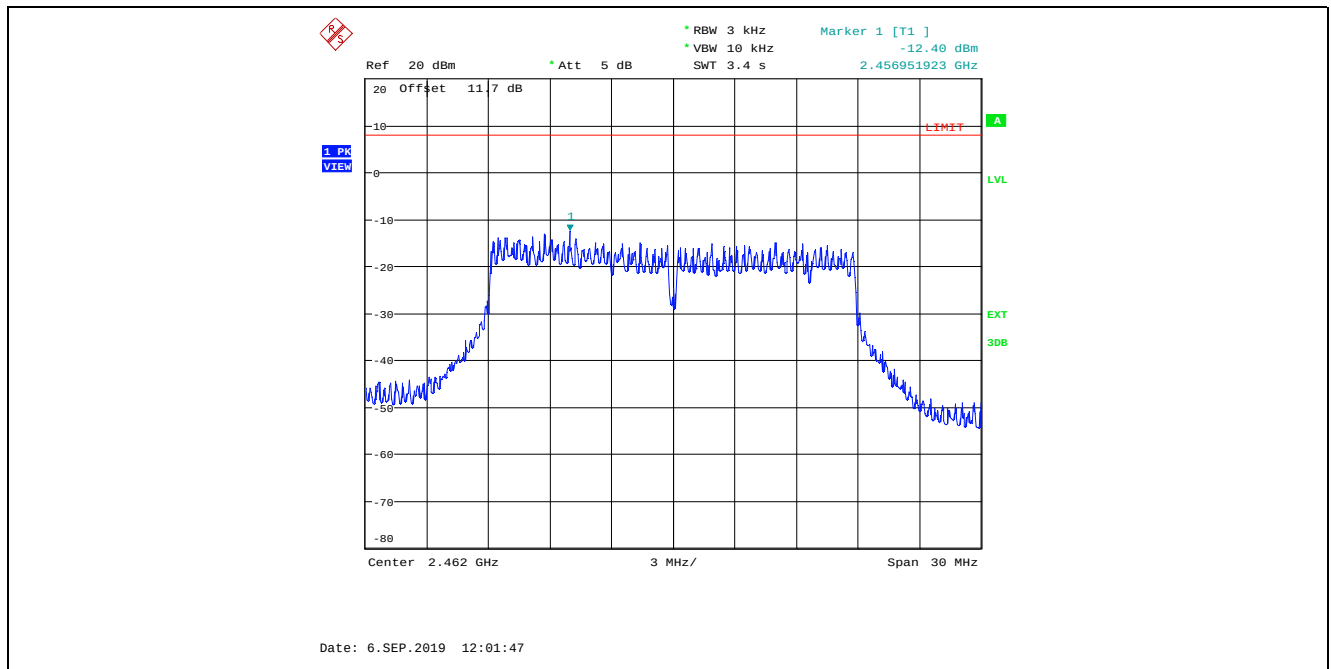
Plot 5.5.4.43. Power Spectral Density
802.11n, HT20, 800 ns, MCS 7 64-QAM $\frac{5}{6}$ 65.0 Mbps, Power Setting 19, Channel 1, 2412 MHz



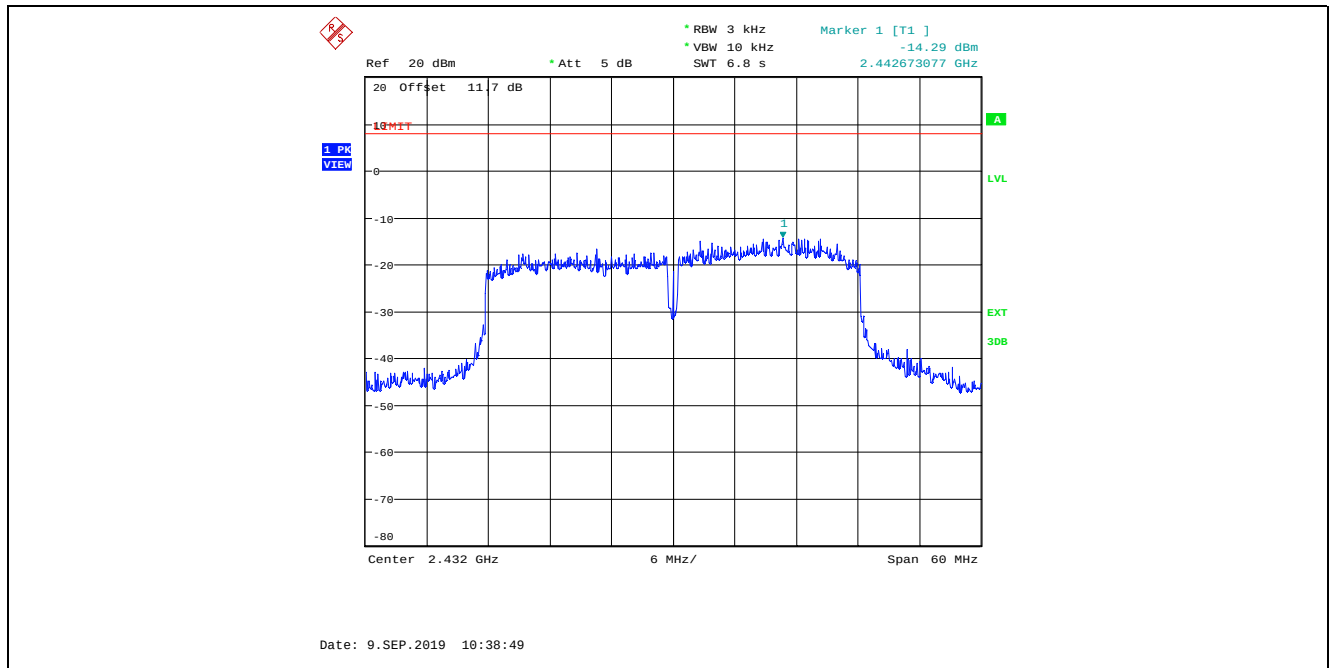
Plot 5.5.4.44. Power Spectral Density
802.11n, HT20, 800 ns, MCS 7 64-QAM 5/6 65.0 Mbps, Power Setting 24, Channel 6, 2437 MHz



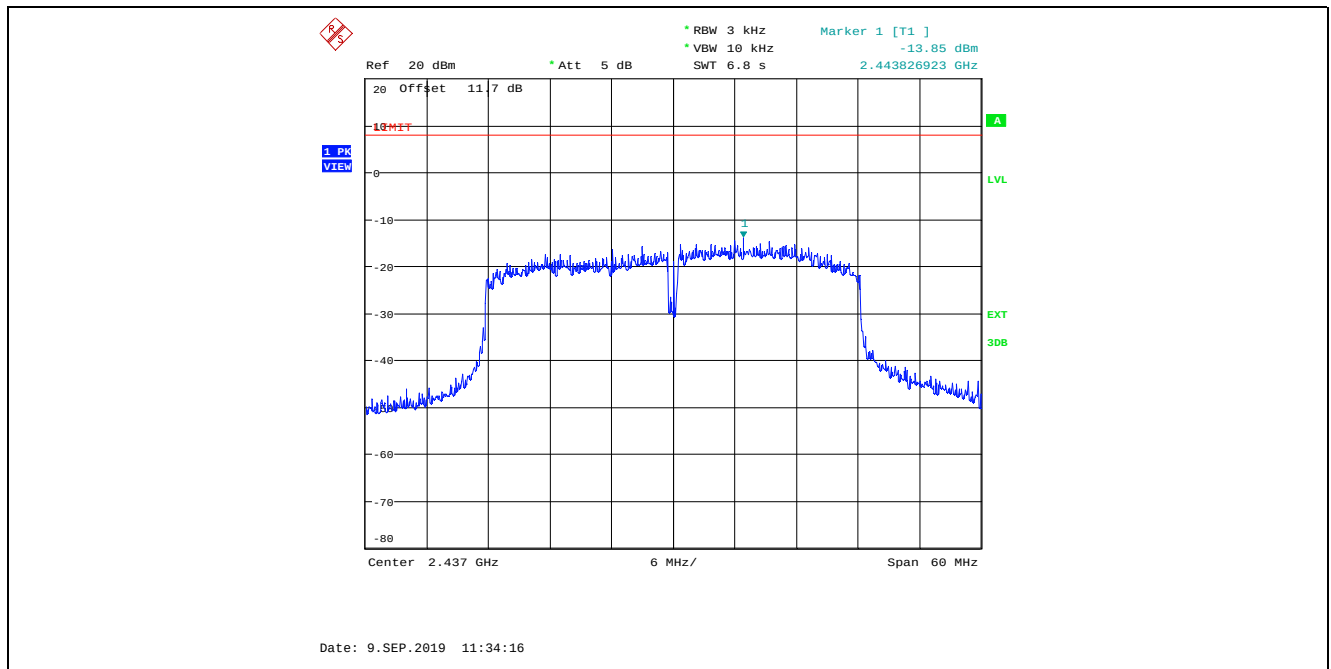
Plot 5.5.4.45. Power Spectral Density
802.11n, HT20, 800 ns, MCS 7 64-QAM 5/6 65.0 Mbps, Power Setting 18, Channel 11, 2462 MHz



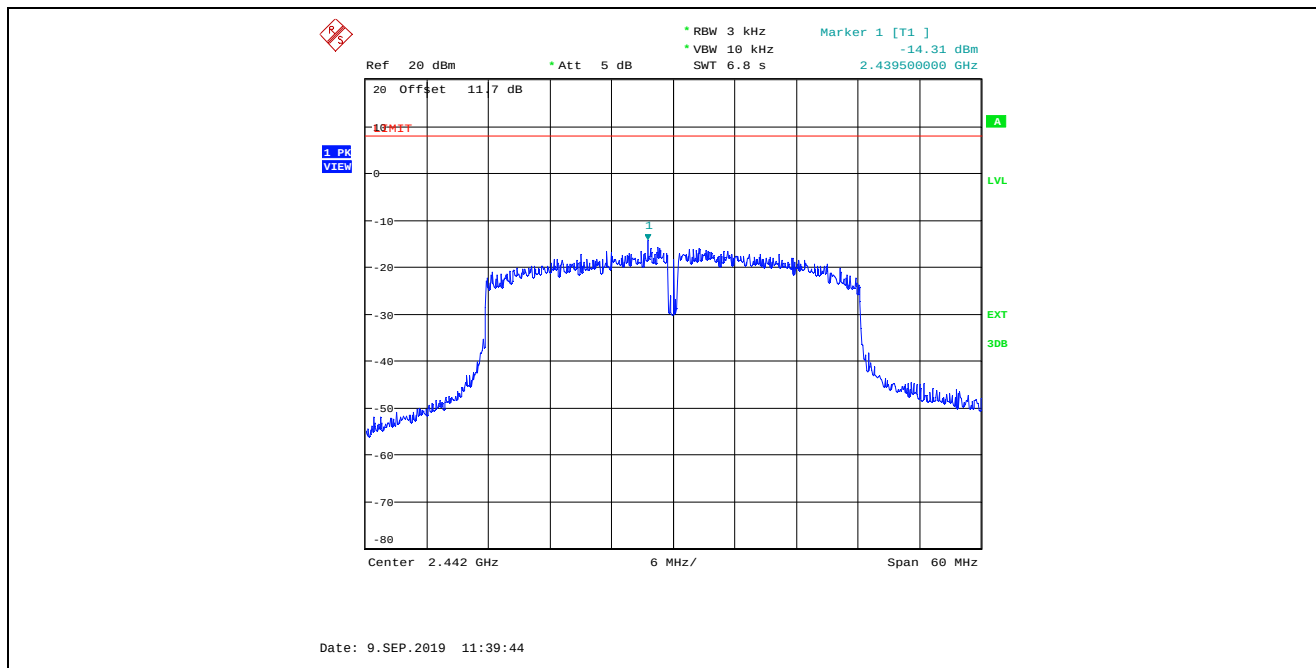
Plot 5.5.4.46. Power Spectral Density
802.11n HT40, 400 ns, MCS 0 BPSK ½ 15.0 Mbps, Power Setting 20, Channel 5, 2432 MHz



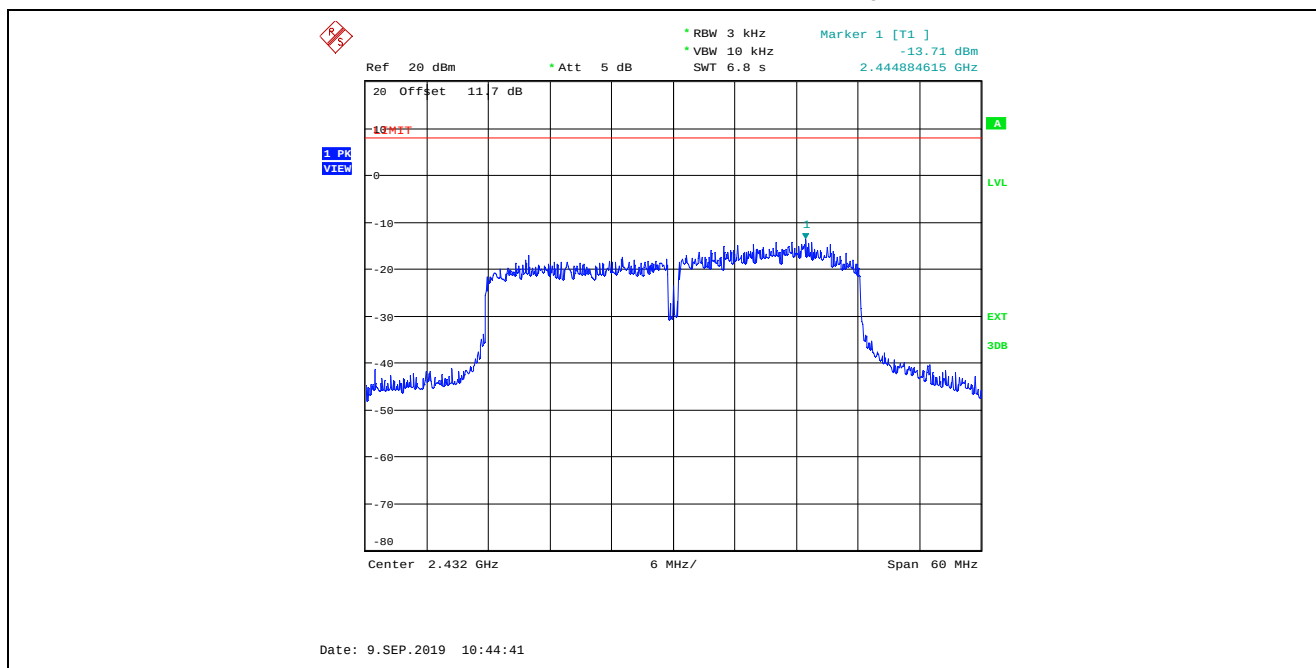
Plot 5.5.4.47. Power Spectral Density
802.11n HT40, 400 ns, MCS 0 BPSK ½ 15.0 Mbps, Power Setting 19, Channel 6, 2437 MHz



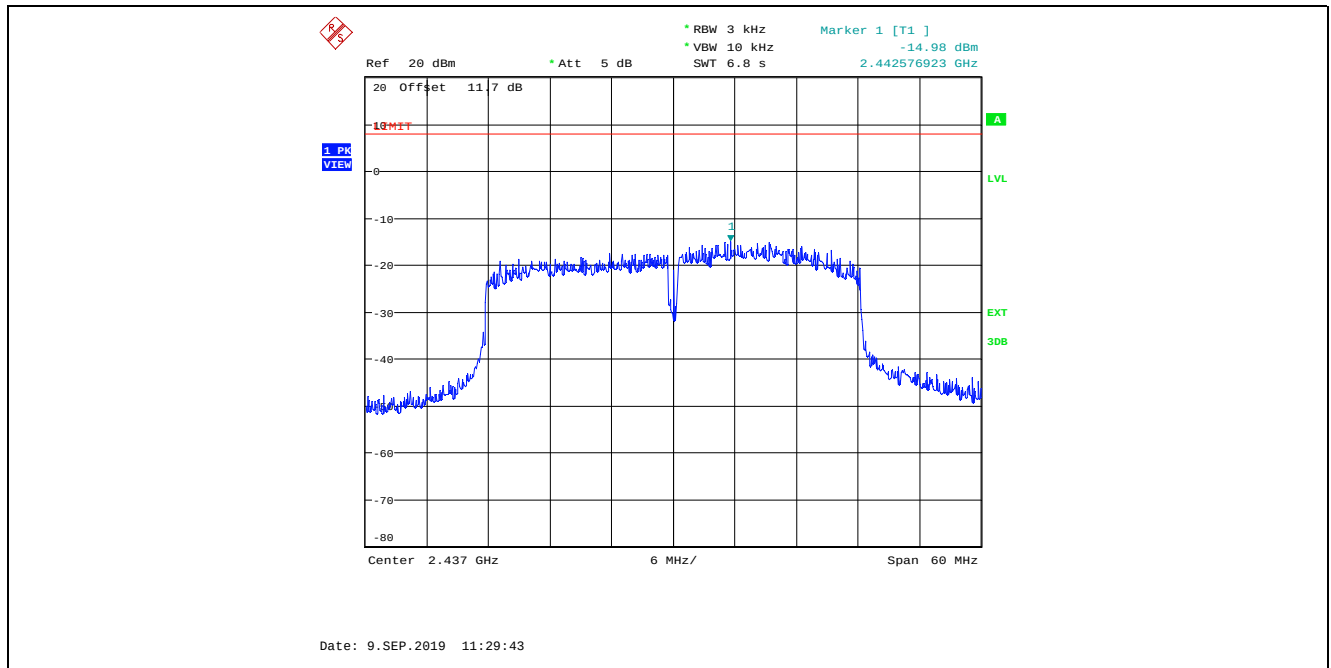
Plot 5.5.4.48. Power Spectral Density



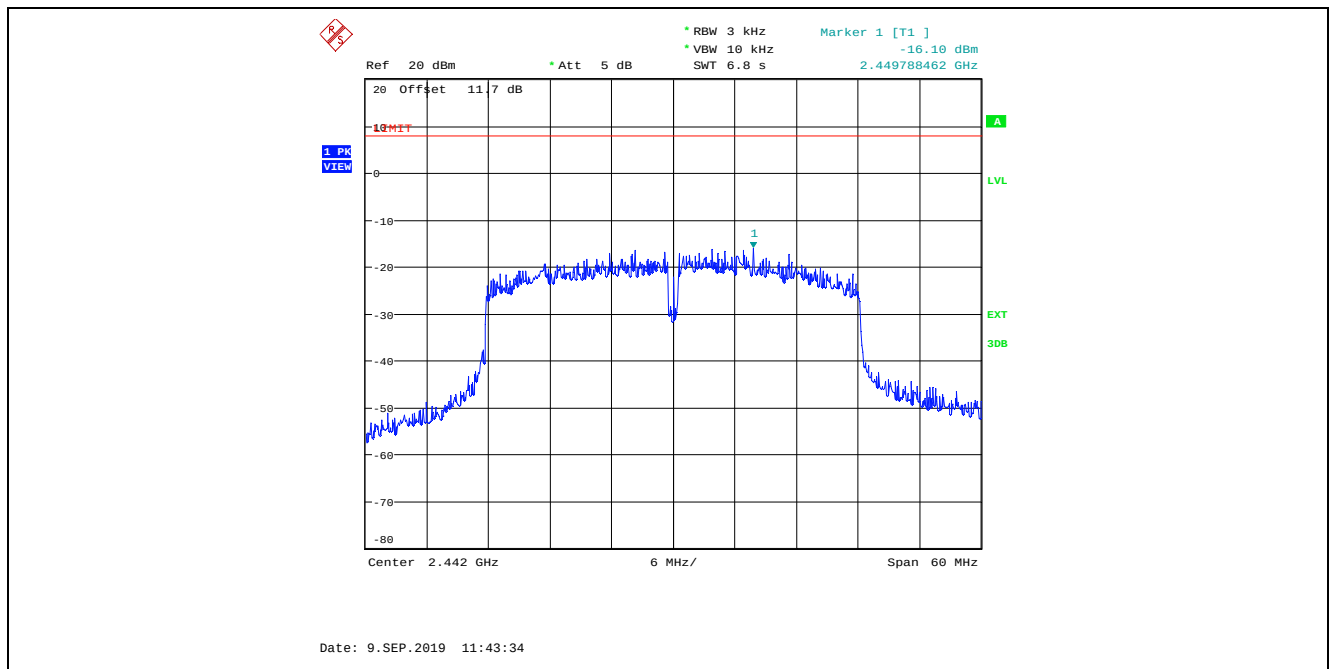
Plot 5.5.4.49. Power Spectral Density



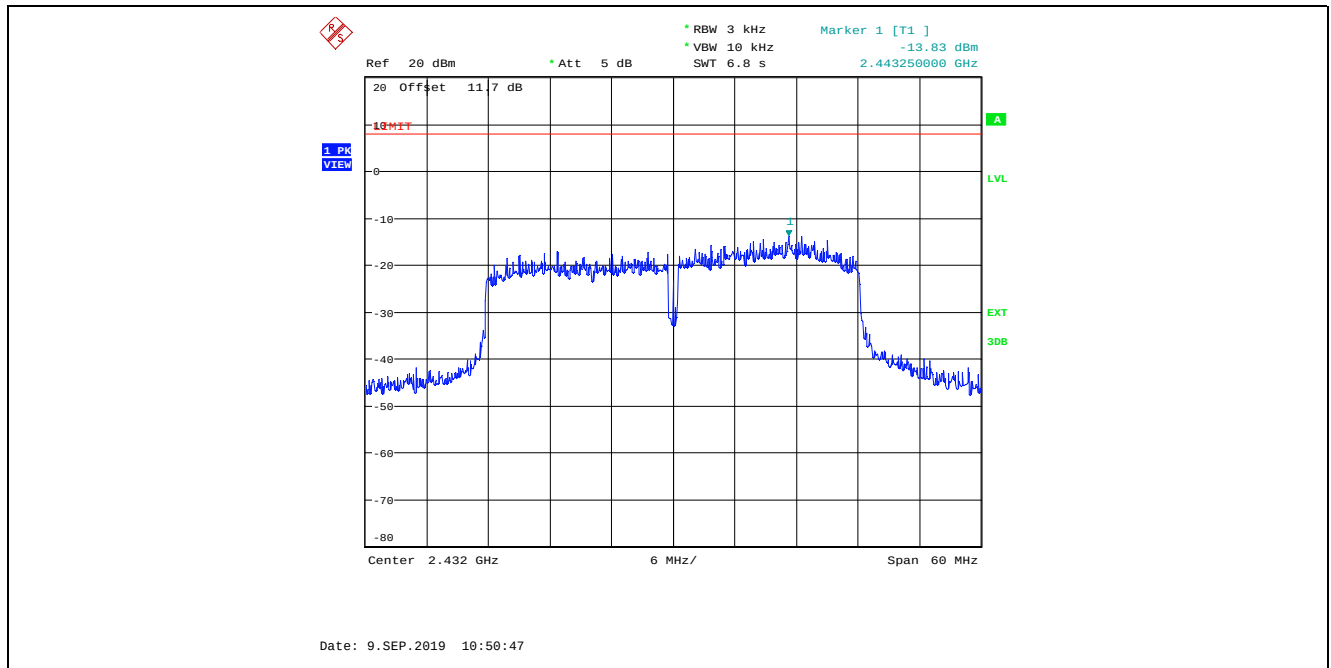
Plot 5.5.4.50. Power Spectral Density
802.11n HT40, 400 ns, MCS 2 QPSK $\frac{3}{4}$ 45.0 Mbps, Power Setting 19, Channel 6, 2437 MHz



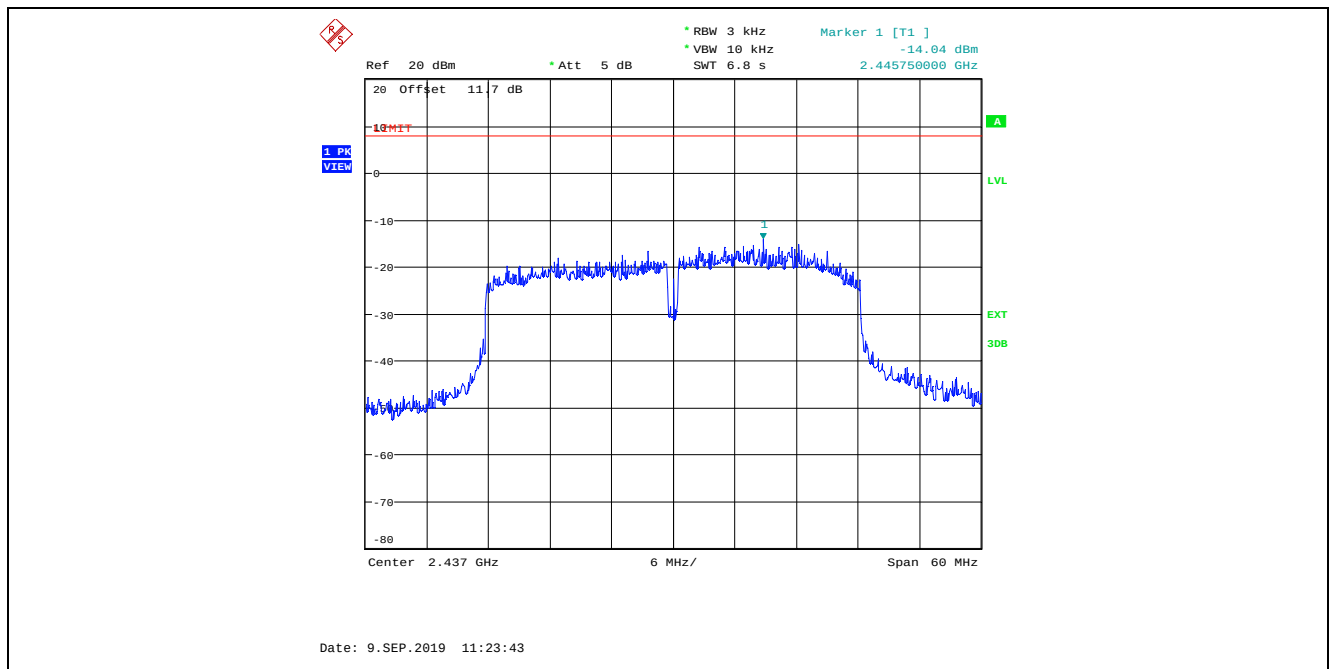
Plot 5.5.4.51. Power Spectral Density
802.11n HT40, 400 ns, MCS 2 QPSK $\frac{3}{4}$ 45.0 Mbps, Power Setting 18, Channel 7, 2442 MHz



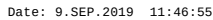
Plot 5.5.4.52. Power Spectral Density
802.11n HT40, 400 ns, MCS 4 16-QAM $\frac{3}{4}$ 90.0 Mbps, Power Setting 20, Channel 5, 2432 MHz



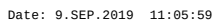
Plot 5.5.4.53. Power Spectral Density
802.11n HT40, 400 ns, MCS 4 16-QAM $\frac{3}{4}$ 90.0 Mbps, Power Setting 19, Channel 6, 2437 MHz



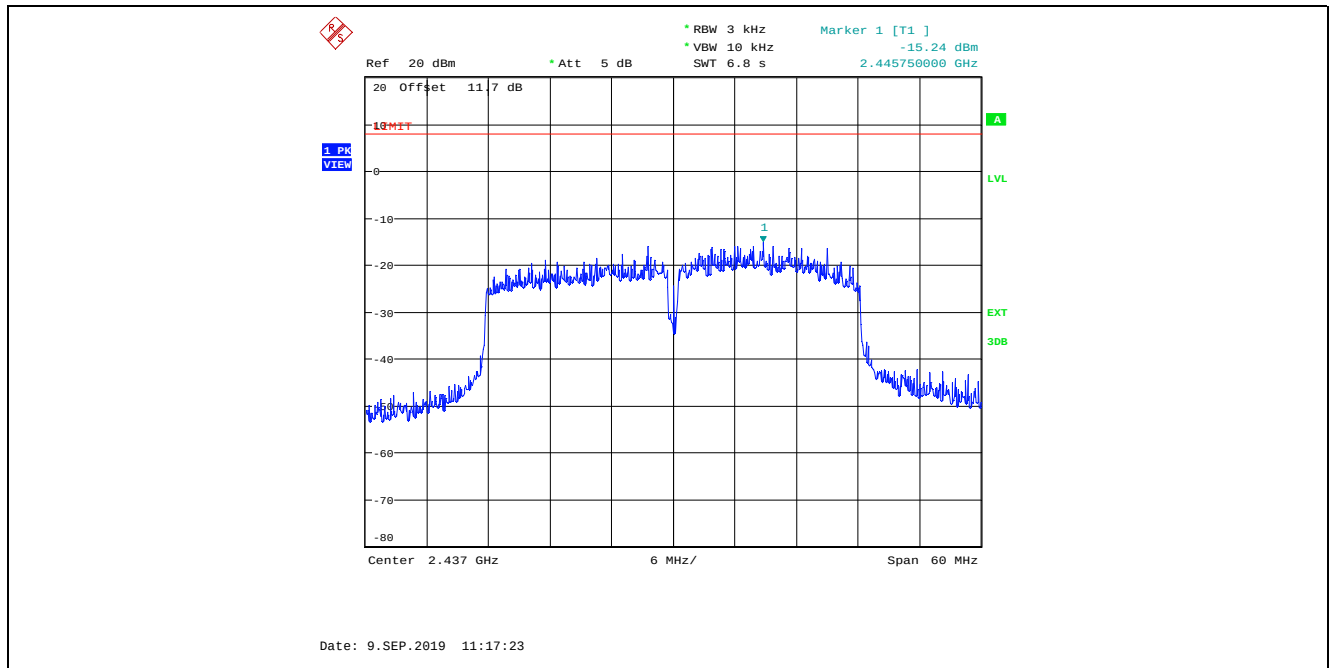
Plot 5.5.4.54. Power Spectral Density



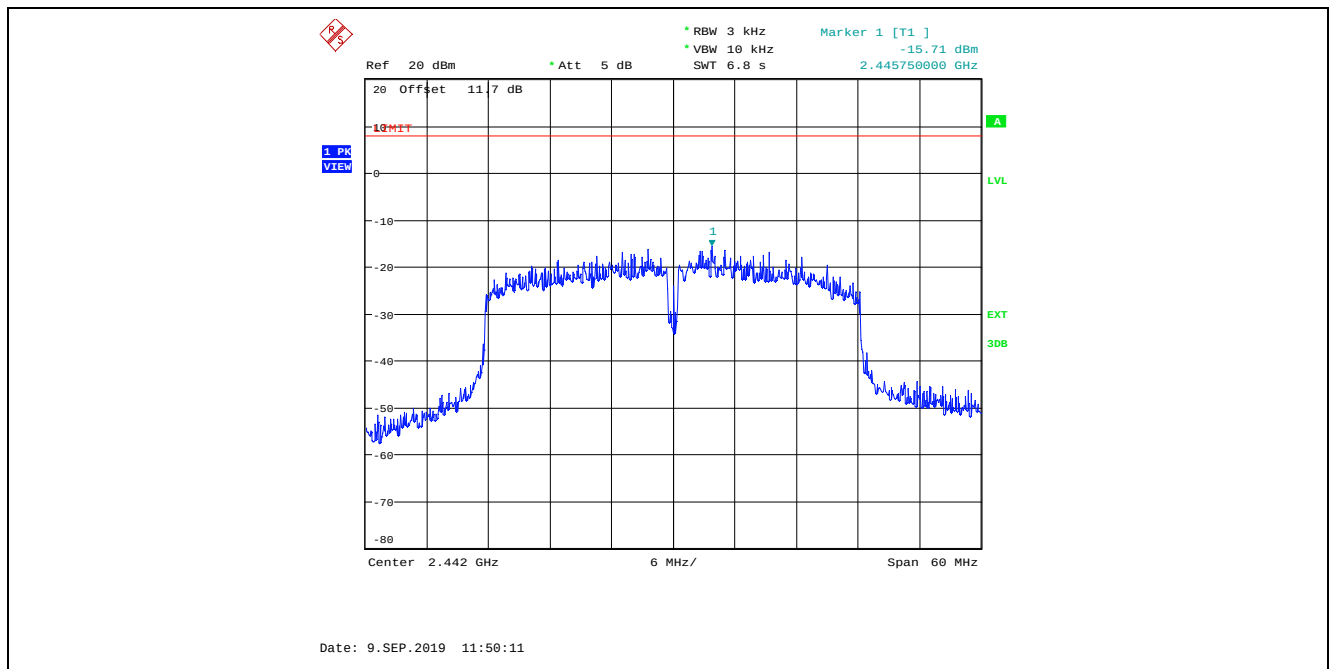
Plot 5.5.4.55. Power Spectral Density



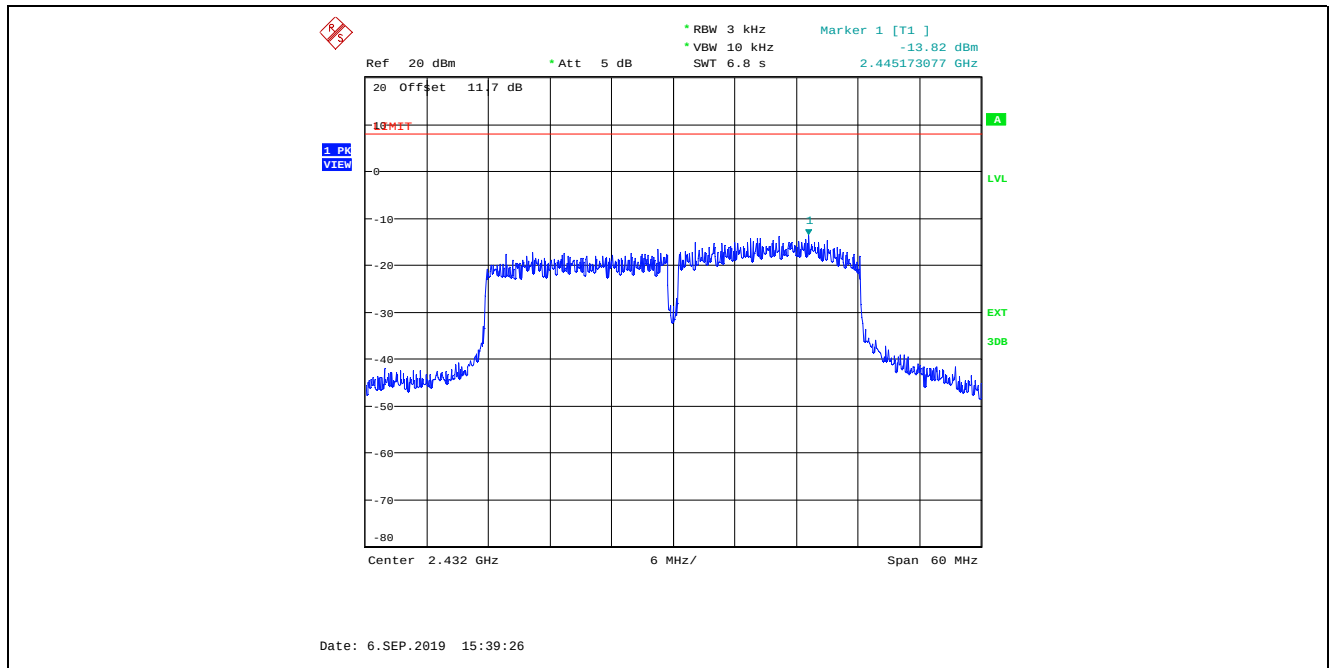
Plot 5.5.4.56. Power Spectral Density
802.11n HT40, 400 ns, MCS 7 64-QAM 5/6 150.0 Mbps, Power Setting 19, Channel 6, 2437 MHz



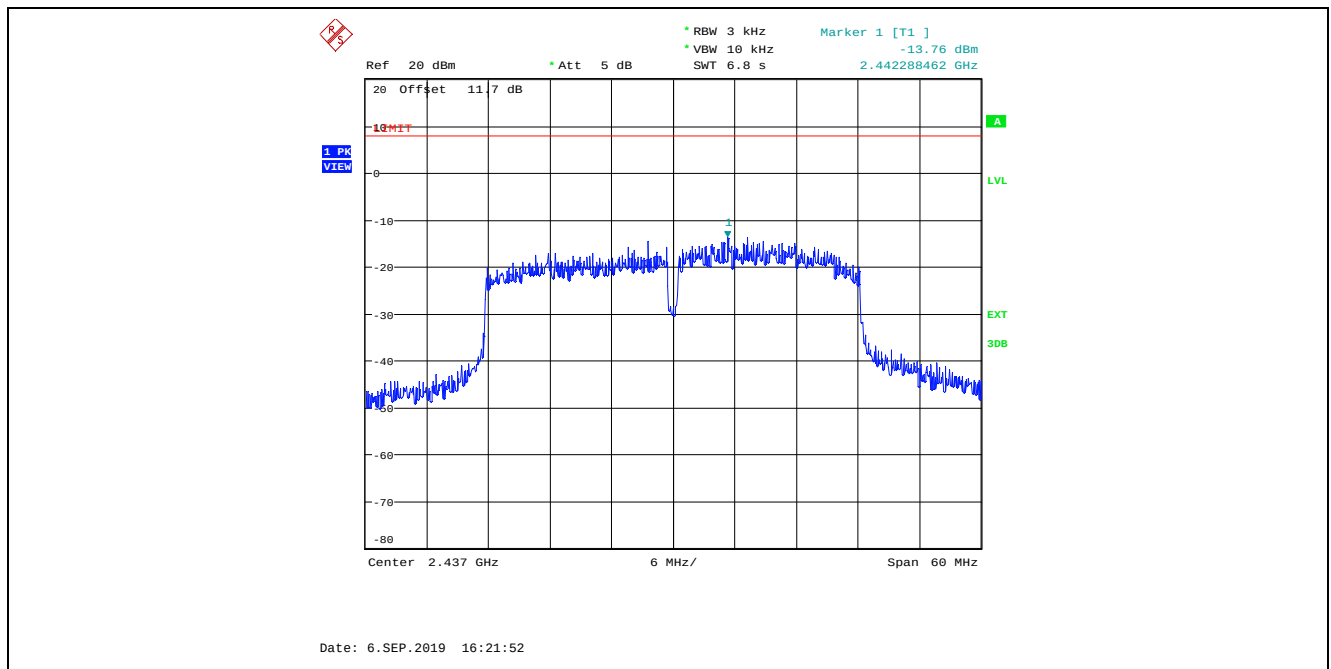
Plot 5.5.4.57. Power Spectral Density
802.11n HT40, 400 ns, MCS 7 64-QAM 5/6 150.0 Mbps, Power Setting 18, Channel 7, 2442 MHz



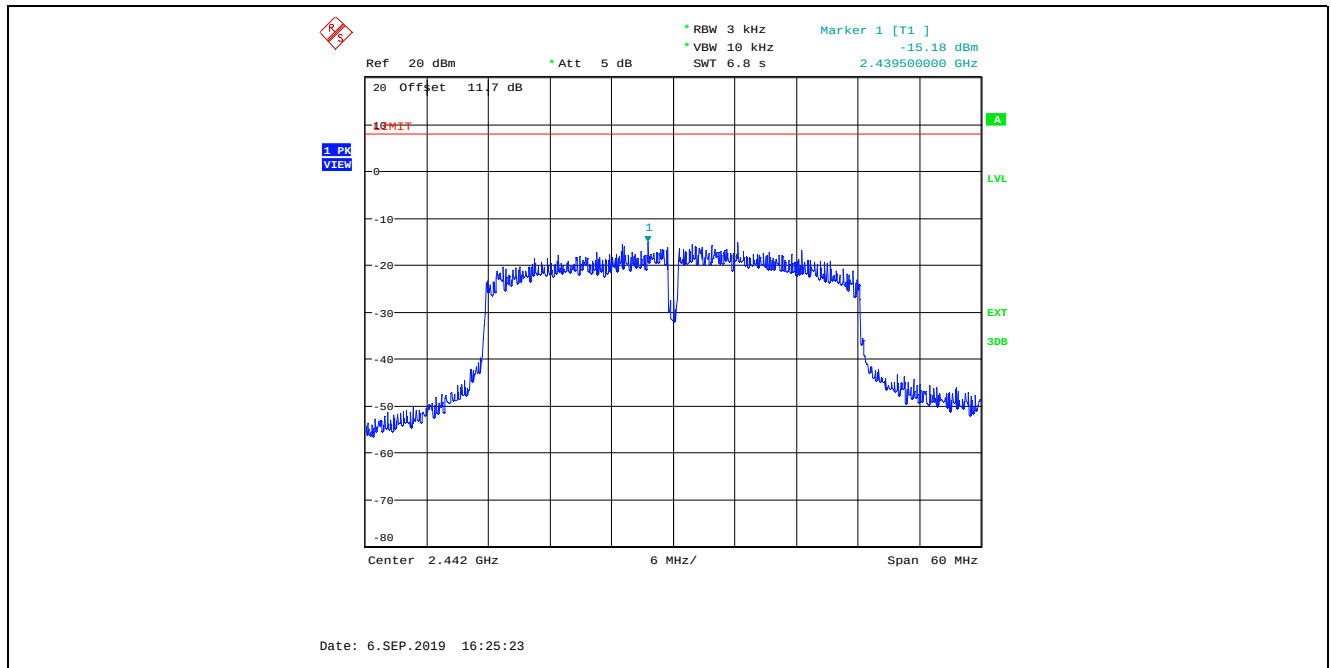
Plot 5.5.4.58. Power Spectral Density
802.11n, HT40, 800 ns, MCS 0 BPSK ½ 13.5 Mbps, Power Setting 20, Channel 5, 2432 MHz



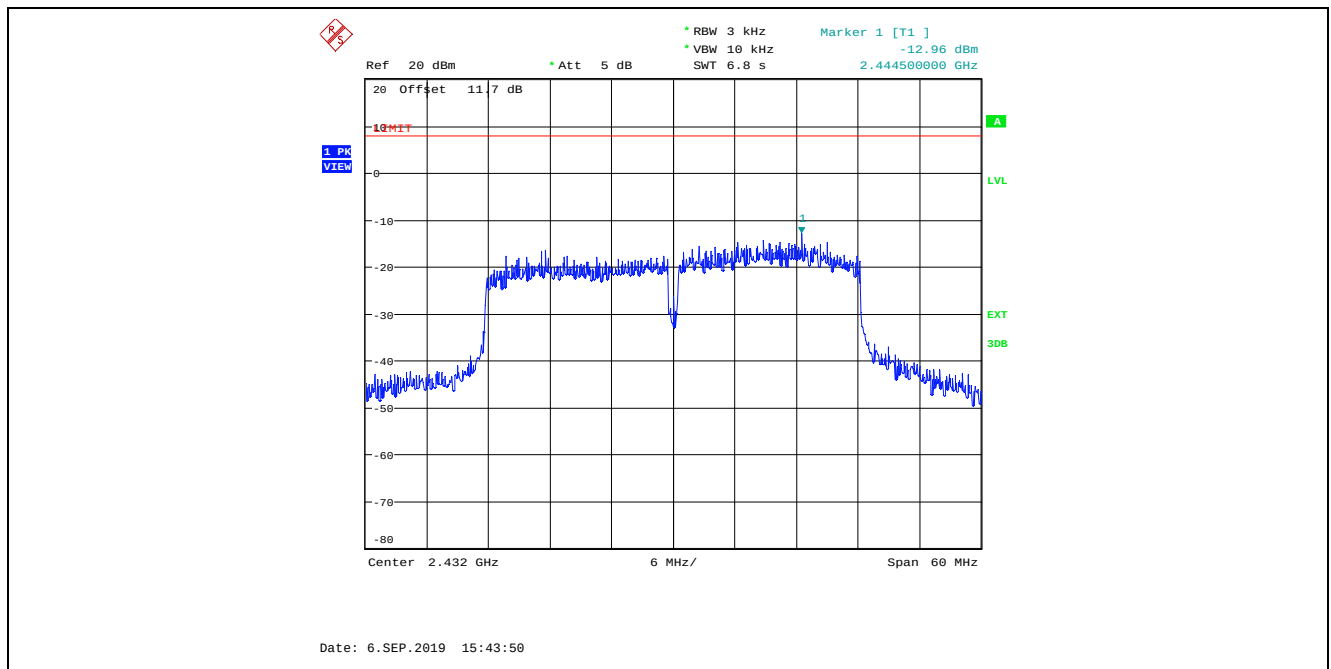
Plot 5.5.4.59. Power Spectral Density
802.11n, HT40, 800 ns, MCS 0 BPSK ½ 13.5 Mbps, Power Setting 20, Channel 6, 2437 MHz



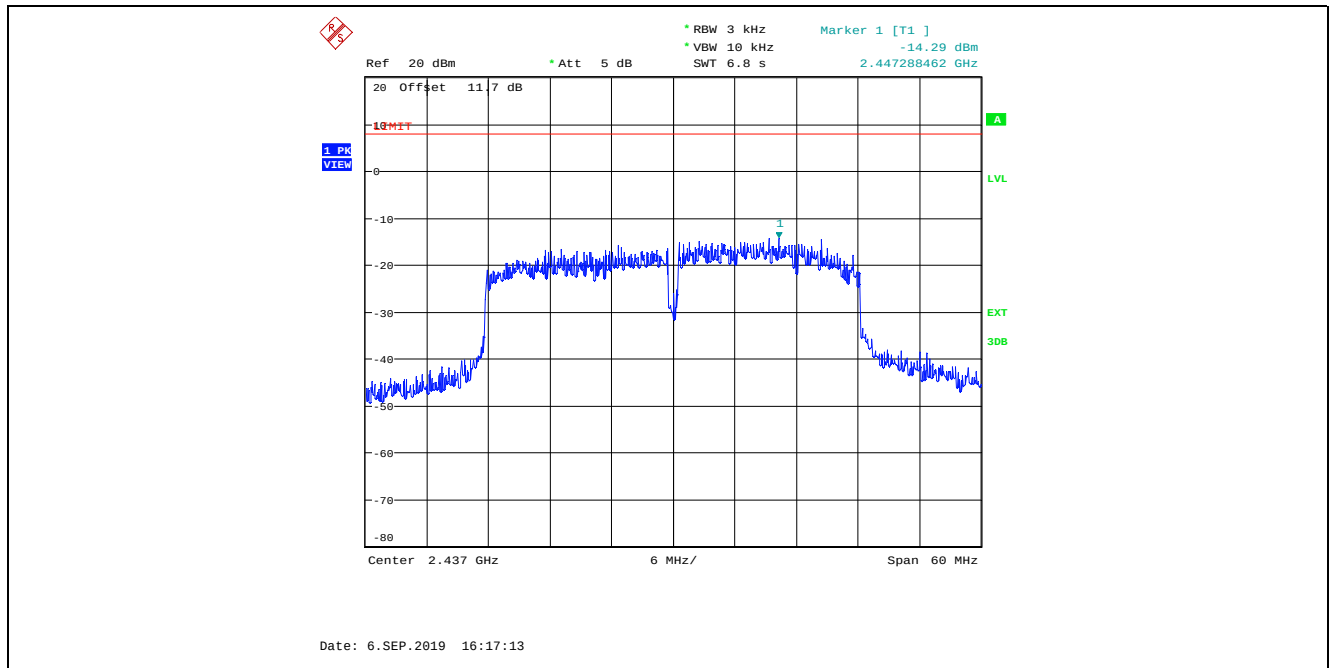
Plot 5.5.4.60. Power Spectral Density
802.11n, HT40, 800 ns, MCS 0 BPSK $\frac{1}{2}$ 13.5 Mbps, Power Setting 18, Channel 7, 2442 MHz



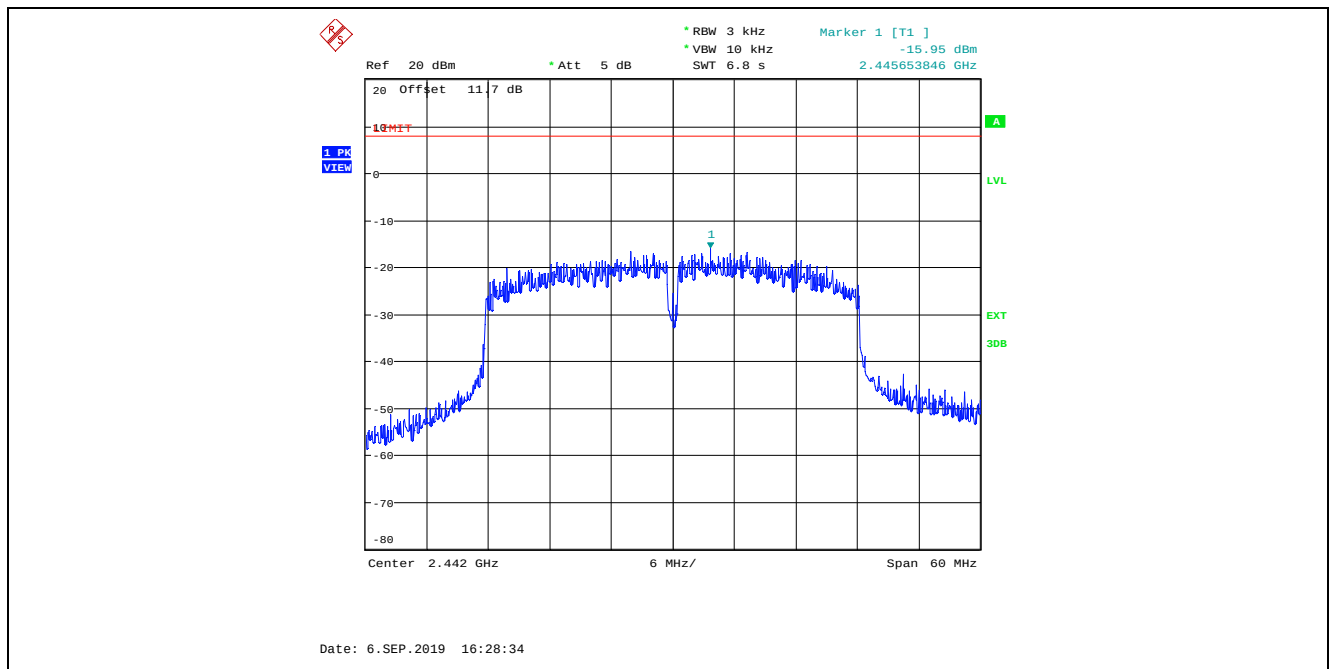
Plot 5.5.4.61. Power Spectral Density
802.11n, HT40, 800 ns, MCS 2 QPSK $\frac{3}{4}$ 40.5 Mbps, Power Setting 20, Channel 5, 2432 MHz



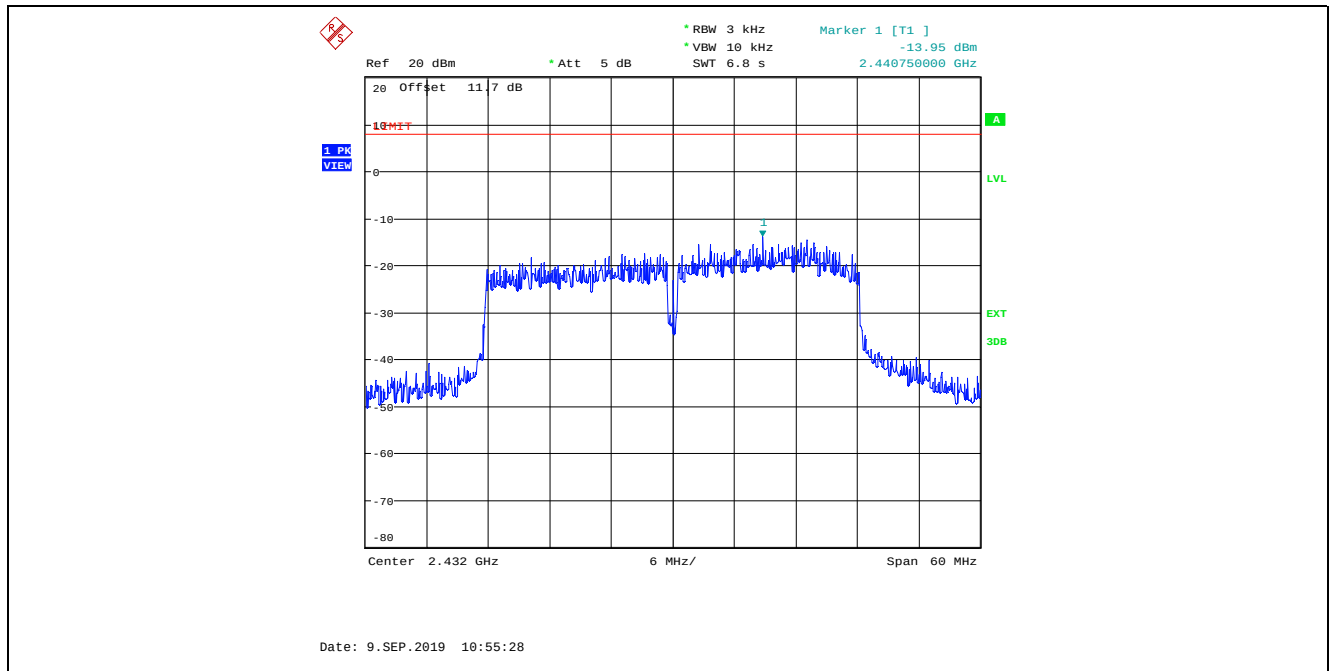
Plot 5.5.4.62. Power Spectral Density
802.11n, HT40, 800 ns, MCS 2 QPSK $\frac{3}{4}$ 40.5 Mbps, Power Setting 20, Channel 6, 2437 MHz



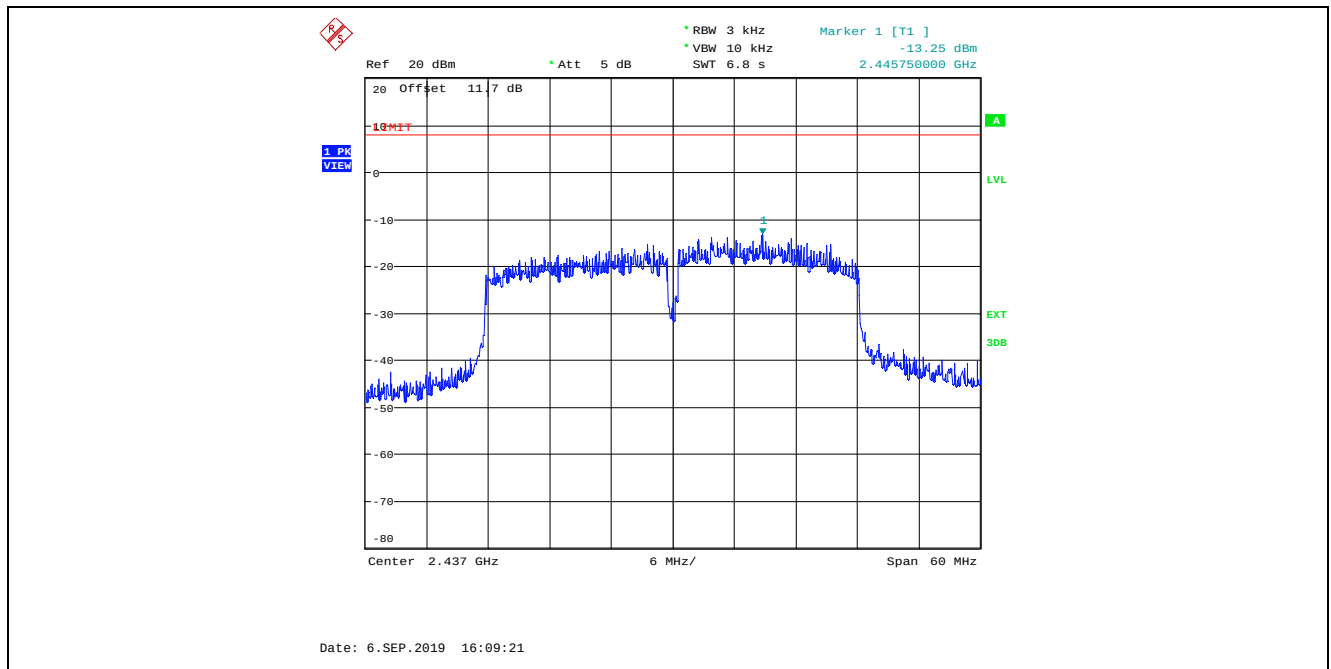
Plot 5.5.4.63. Power Spectral Density
802.11n, HT40, 800 ns, MCS 2 QPSK $\frac{3}{4}$ 40.5 Mbps, Power Setting 18, Channel 7, 2442 MHz



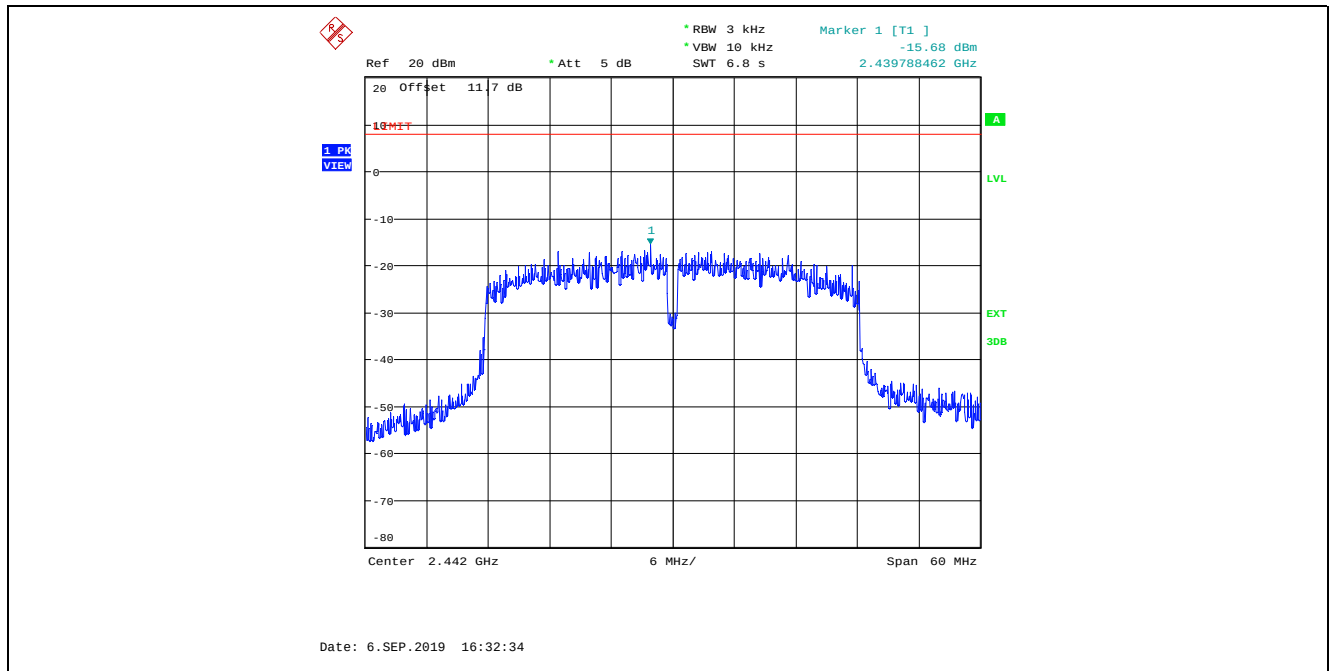
Plot 5.5.4.64. Power Spectral Density
802.11n, HT40, 800 ns, MCS 4 16-QAM $\frac{3}{4}$ 81.0 Mbps, Power Setting 20, Channel 5, 2432 MHz



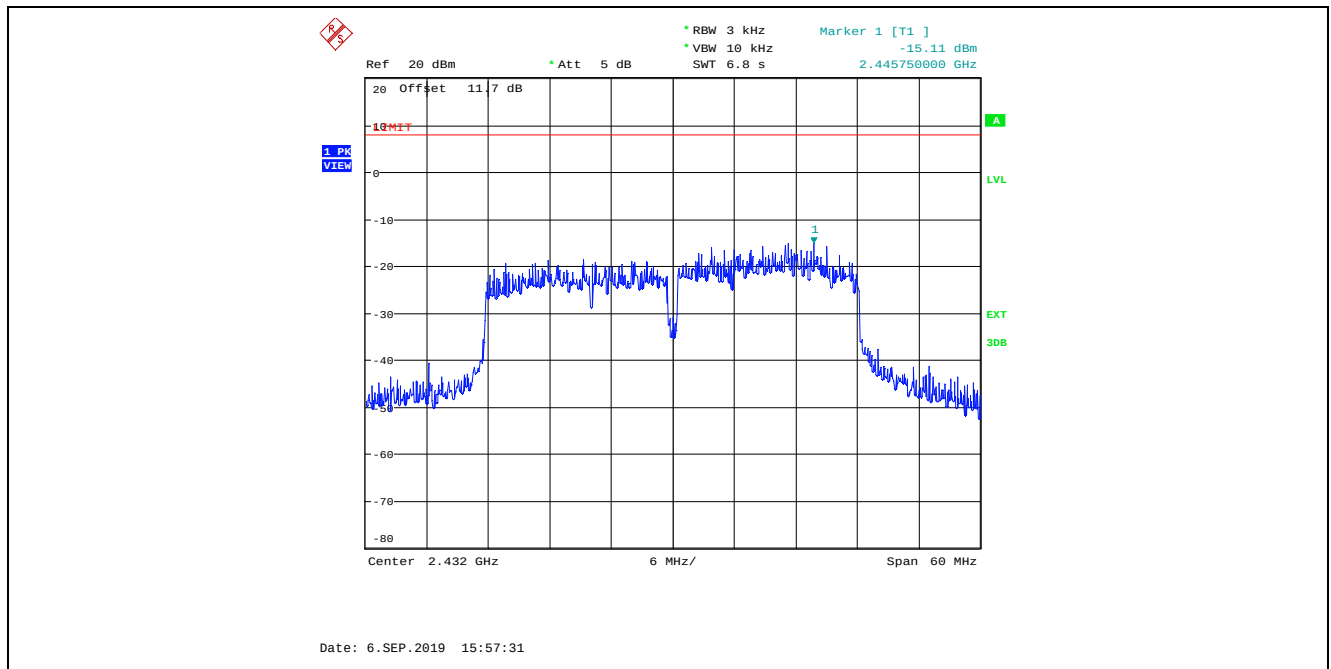
Plot 5.5.4.65. Power Spectral Density
802.11n, HT40, 800 ns, MCS 4 16-QAM $\frac{3}{4}$ 81.0 Mbps, Power Setting 20, Channel 6, 2437 MHz



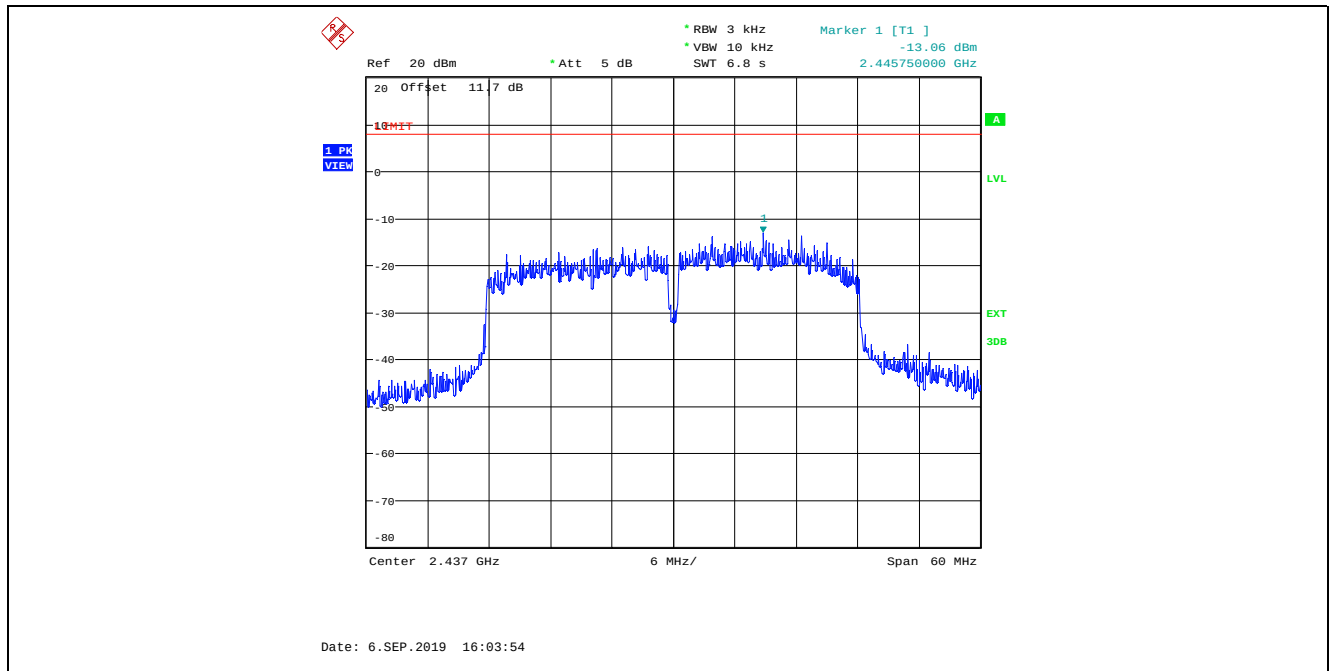
Plot 5.5.4.66. Power Spectral Density
802.11n, HT40, 800 ns, MCS 4 16-QAM $\frac{3}{4}$ 81.0 Mbps, Power Setting 18, Channel 7, 2442 MHz



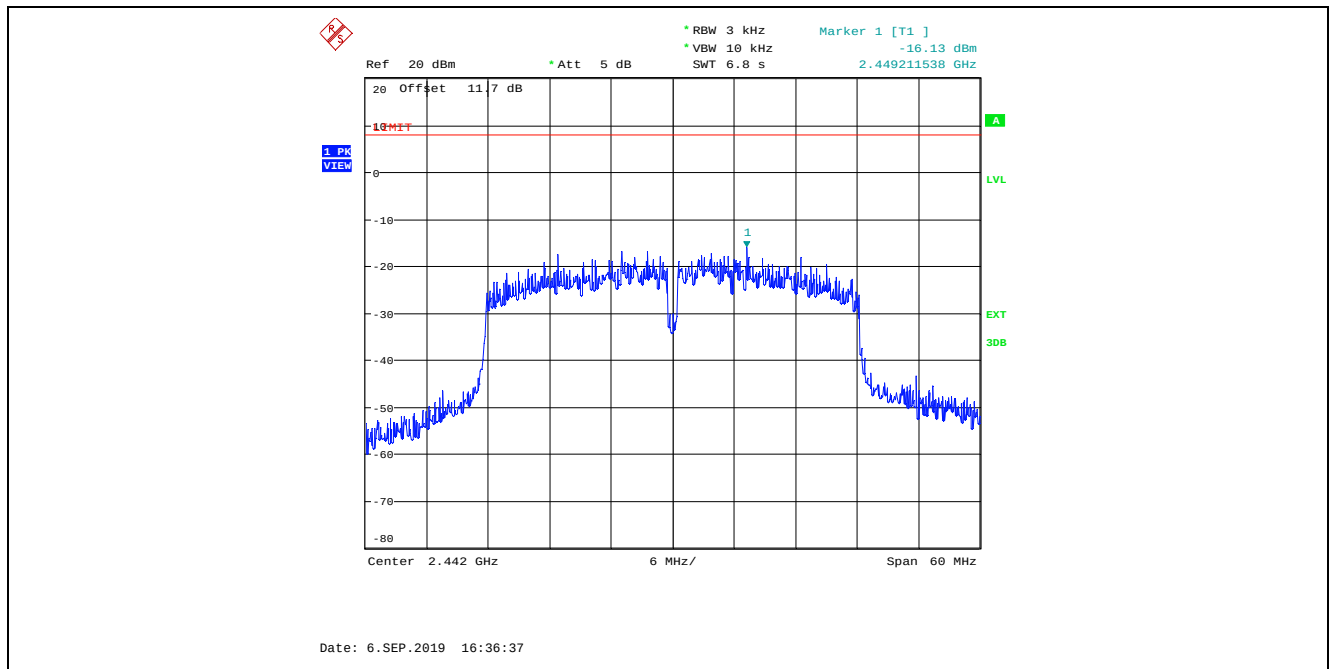
Plot 5.5.4.67. Power Spectral Density
802.11n, HT40, 800 ns, MCS 7 64-QAM $\frac{5}{6}$ 135.0 Mbps, Power Setting 20, Channel 5, 2432 MHz



Plot 5.5.4.68. Power Spectral Density
802.11n, HT40, 800 ns, MCS 7 64-QAM 5/6 135.0 Mbps, Power Setting 20, Channel 6, 2437 MHz



Plot 5.5.4.69. Power Spectral Density
802.11n, HT40, 800 ns, MCS 7 64-QAM 5/6 135.0 Mbps, Power Setting 18, Channel 7, 2442 MHz



5.6. RF EXPOSURE REQUIREMENTS [§§ 15.247(i), 1.1310 & 2.1091]

5.6.1. Limits

§ 1.1310: The criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation as specified in 1.1307(b).

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

Note 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

5.6.2. Method of Measurements

Calculation Method of Power Density/RF Safety Distance:

$$S = \frac{PG}{4\pi \cdot r^2} = \frac{EIRP}{4\pi \cdot r^2}$$

Where,
P: power input to the antenna in mW
EIRP: Equivalent (effective) isotropic radiated power.
S: power density mW/cm²
G: numeric gain of antenna relative to isotropic radiator
r: distance to centre of radiation in cm

5.6.3. RF Evaluation

Frequency (MHz)	EIRP (dBm)	EIRP (mW)	Evaluation Distance, r (cm)	Power Density, S (mW/cm ²)	Power Density Limit (mW/cm ²)	Margin (mW/cm ²)
2412	31	1258.93	20	0.2505	1.0	-0.750

EXHIBIT 6. TEST EQUIPMENT LIST

Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range	Cal. Due Date
Analyzer	Hewlett Packard	E7401A	US40240432	9KHz-1.5GHz	09 Jun 2020
High Pass Filter	Rohde & Schwarz	EZ-25-1026.7796.02	25A060246	150kHz to 30MHz	07 Jun 2020
LISN	Schwarzbeck	NSLK 8127	8127276	10kHz-30MHz	03 Jan 2020
Signal Generator	IFR	2025	202304/137	9KHz-2.51GHz	14 Mar 2020
DC Power supply	TENMA	72-6153	--	0-18 Vdc	See Note 1
Multimeter	Fluke	8842A	4142058	--	05 Sep 2020
Spectrum Analyzer	Rohde & Schwarz	FSU26	200946	20Hz–26.5 GHz	25 Jul 2020
DC Block	Hewlett Packard	11742A	12460	0.045 – 26.5 GHz	See Note 1
Attenuator	Hewlett Packard	8493C	0461	DC - 26.5 GHz	See Note 1
Peak Power Analyzer	Hewlett Packard	8991A	3342A00657	0.5 - 40 GHz	*31 Aug 2019
Peak Power Sensor	Hewlett Packard	84814A	3205A00175	0.5 - 40 GHz	*31 Aug 2019
DC Power Supply	Tenma	72-7295	490300270	1 – 40 VDC	See Note 1
EMI Receiver	Rohde & Schwarz	ESU40	100037	20Hz–40 GHz	15 Mar 2020
RF Amplifier	Com-Power	PAM-0118A	551052	0.5 – 18 GHz	02 Aug 2020
RF Amplifier	Hewlett Packard	84498	3008A00769	1 – 26.5 GHz	15 May 2020
Biconilog	EMCO	3142B	1575	26-2000 MHz	10 May 2020
Horn Antenna	EMCO	3155	6570	1 – 18 GHz	11 Oct 2020
Horn Antenna	ETS-Lindgren	3160-09	001183858	18 – 26.5 GHz	27 Oct 2020
High Pass Filter	K & L	11SH10-4000/T12000	4	Cut off 2.4 GHz	See Note 1
Band Reject Filter	Micro-Tronics	BRM50701	105	Cut off 2.4-2.483 GHz	See Note 1
Note 1: Internal Verification/Calibration check					

* Equipment used before calibration due date.

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File #: 19DANBY001_FCC15C247
September 23, 2019

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

EXHIBIT 7. MEASUREMENT UNCERTAINTY

The measurement uncertainties stated were calculated in accordance with the requirements of CISPR 16-4-2 @ IEC:2003 and JCGM 100:2008 (GUM 1995) – Guide to the Expression of Uncertainty in Measurement.

7.1. LINE CONDUCTED EMISSION MEASUREMENT UNCERTAINTY

	Line Conducted Emission Measurement Uncertainty (9 kHz – 30 MHz):	Measured	Limit
u_c	Combined standard uncertainty: $u_c(y) = \sqrt{\sum_{i=1}^m u_i^2(y)}$	± 1.44	± 1.8
U	Expanded uncertainty U: $U = 2u_c(y)$	± 2.89	± 3.6

7.2. RADIATED EMISSION MEASUREMENT UNCERTAINTY

	Radiated Emission Measurement Uncertainty @ 3m, Horizontal (30-1000 MHz):	Measured (dB)	Limit (dB)
u_c	Combined standard uncertainty: $u_c(y) = \sqrt{\sum_{i=1}^m u_i^2(y)}$	± 2.39	± 2.6
U	Expanded uncertainty U: $U = 2u_c(y)$	± 4.79	± 5.2

	Radiated Emission Measurement Uncertainty @ 3m, Vertical (30-1000 MHz):	Measured (dB)	Limit (dB)
u_c	Combined standard uncertainty: $u_c(y) = \sqrt{\sum_{i=1}^m u_i^2(y)}$	± 2.39	± 2.6
U	Expanded uncertainty U: $U = 2u_c(y)$	± 4.78	± 5.2

	Radiated Emission Measurement Uncertainty @ 3 m, Horizontal & Vertical (1 – 18 GHz):	Measured (dB)	Limit (dB)
u_c	Combined standard uncertainty: $u_c(y) = \sqrt{\sum_{i=1}^m u_i^2(y)}$	± 1.87	Under consideration
U	Expanded uncertainty U: $U = 2u_c(y)$	± 3.75	Under consideration