Appendix A

Rail Measurement Post Rail CAT System Wide

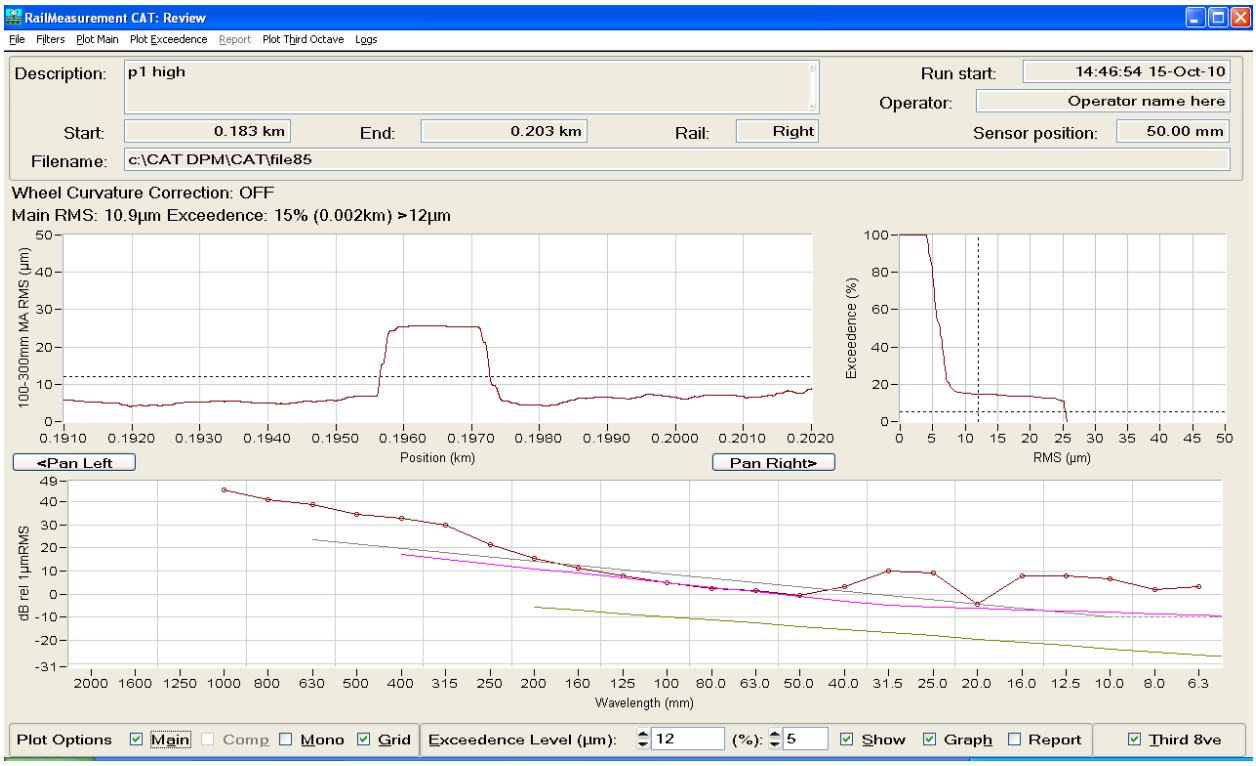

Figure 1 Curve p1 High Rail

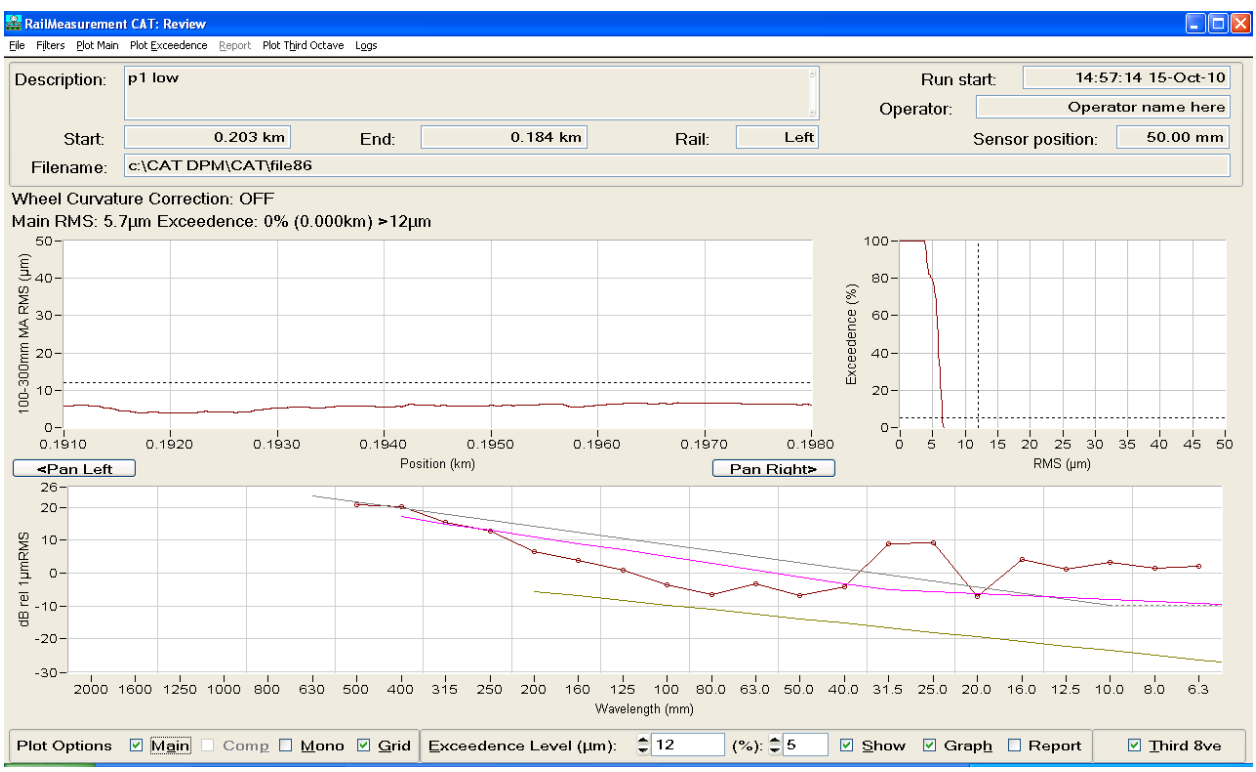

Figure 2 Curve p1 Low Rail

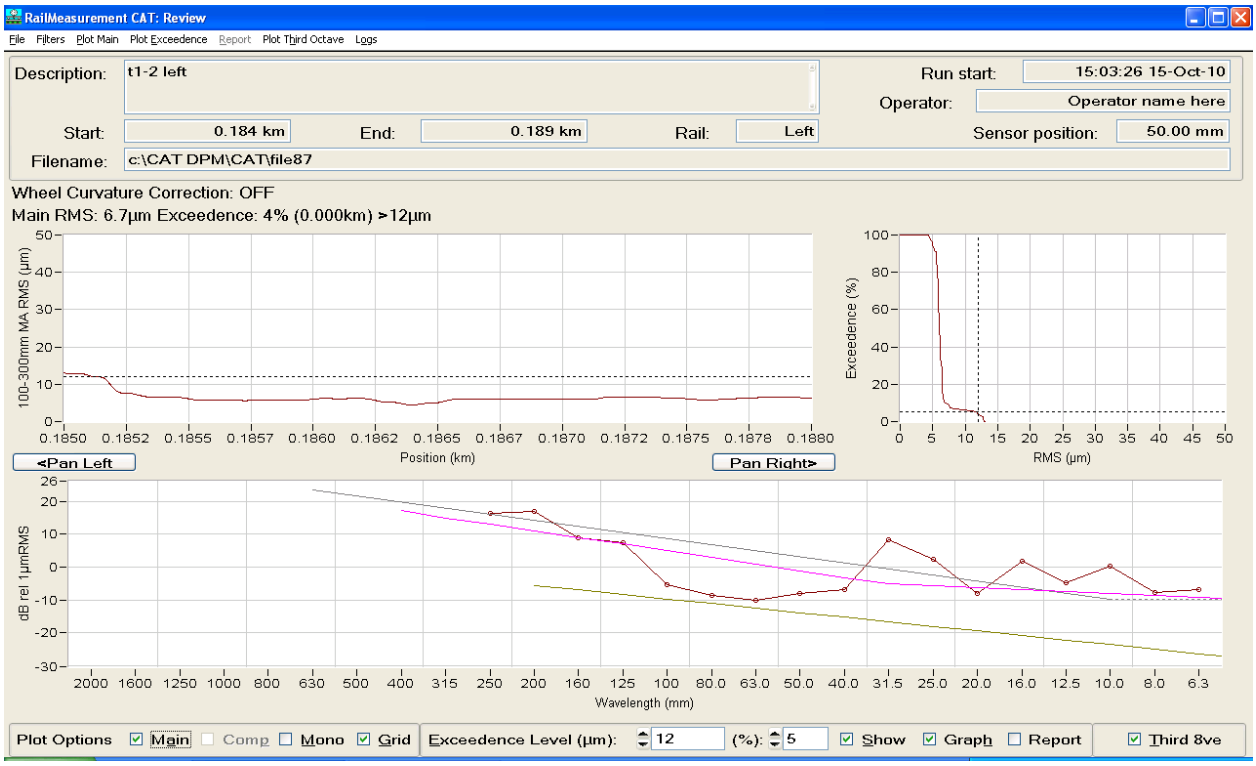

Figure 3 Tangent 1-2 Left Rail

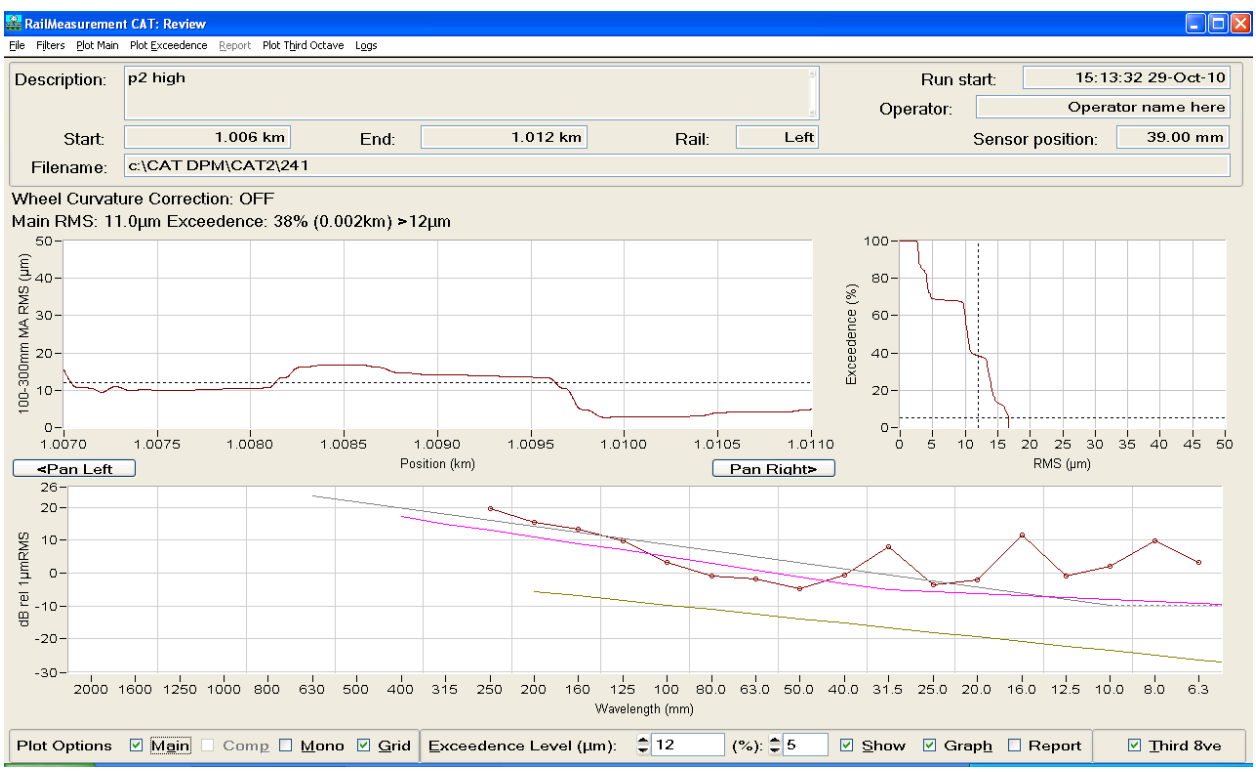

Figure 4 Curve p2 High Rail

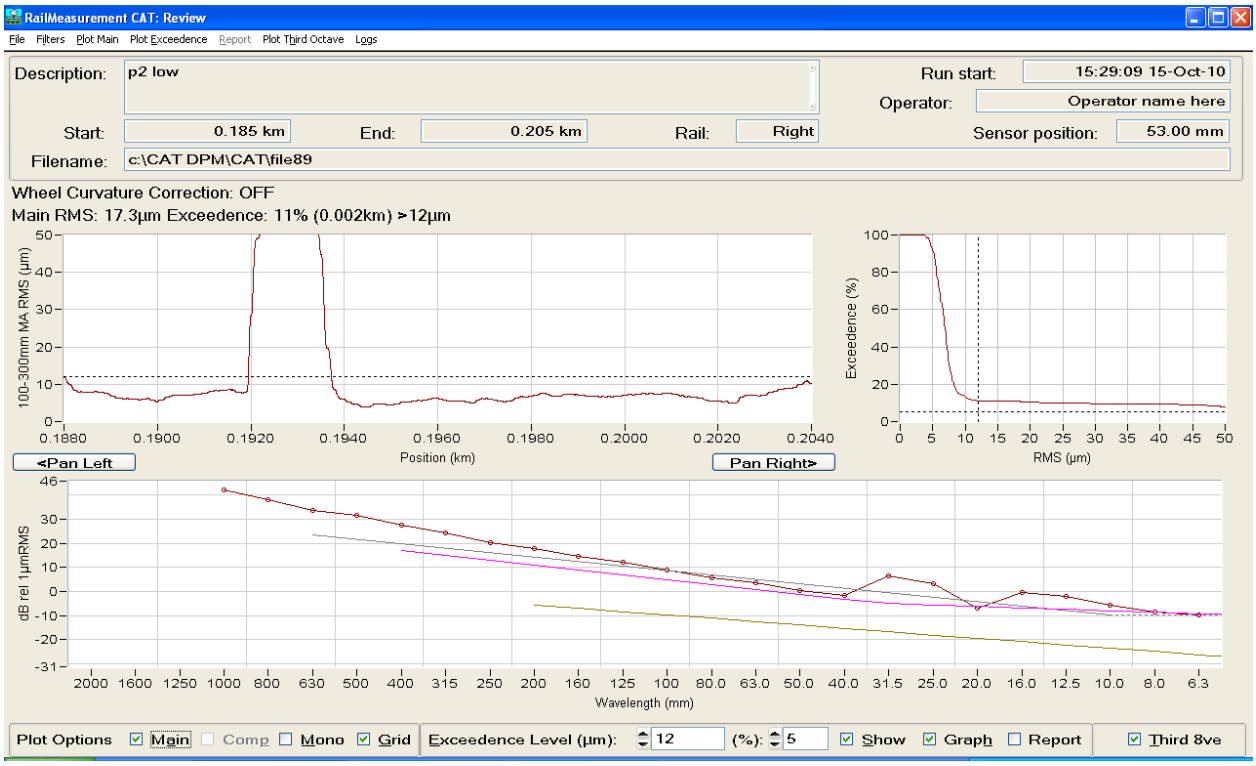

Figure 5 Curve p2 Low Rail

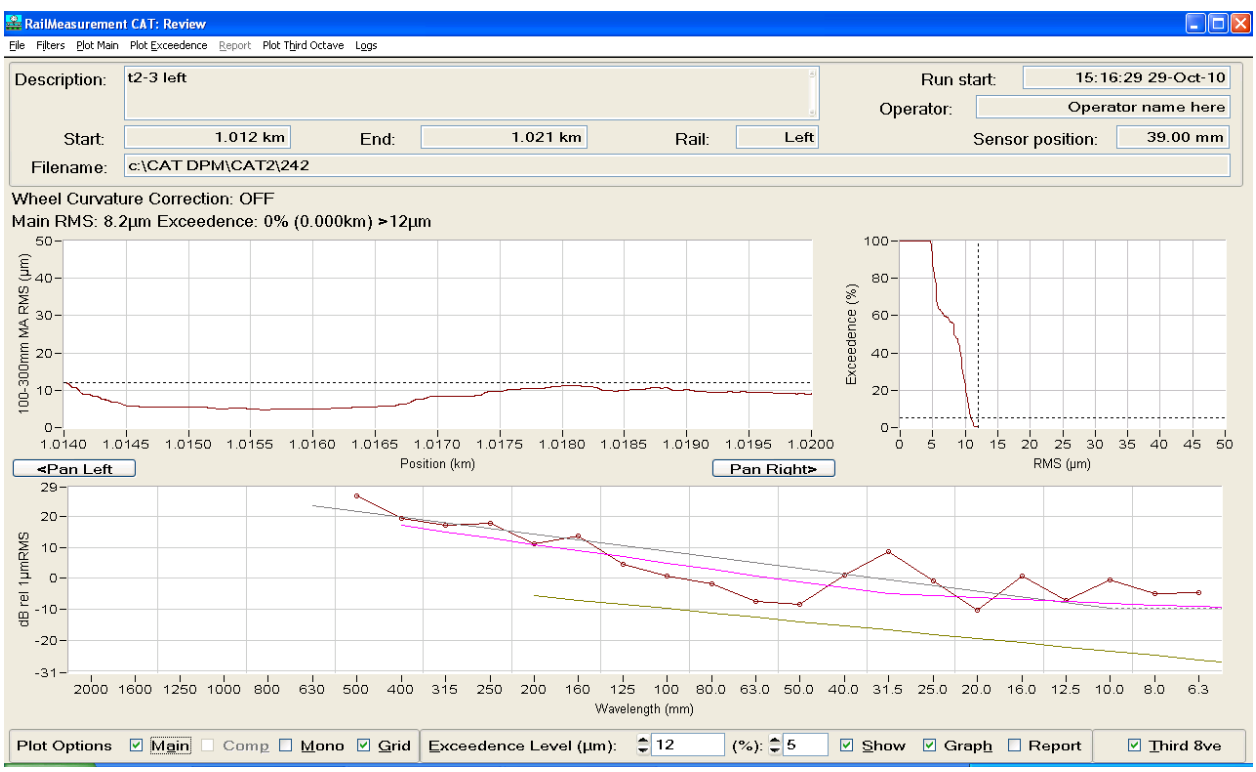

Figure 6 Tangent 2-3 Left Rail

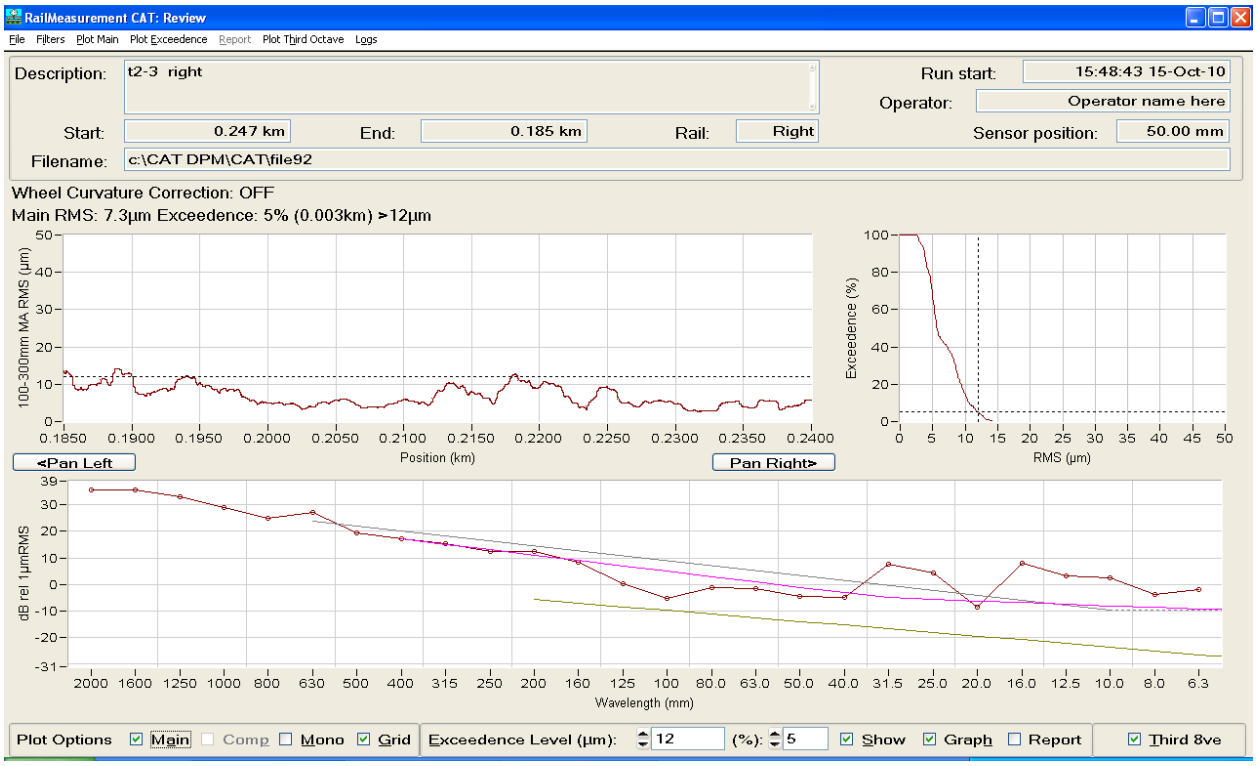

Figure 7 Tangent 2-3 Right Rail

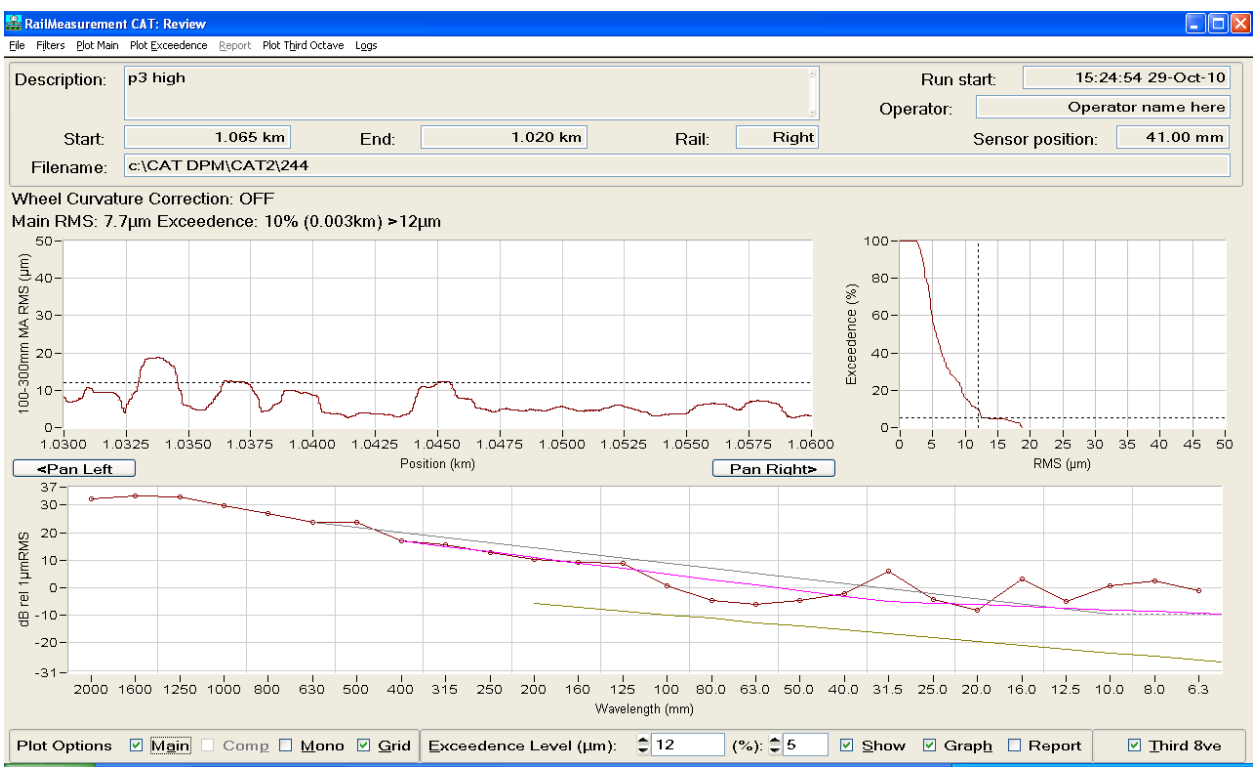

Figure 8 Curve p3 High Rail

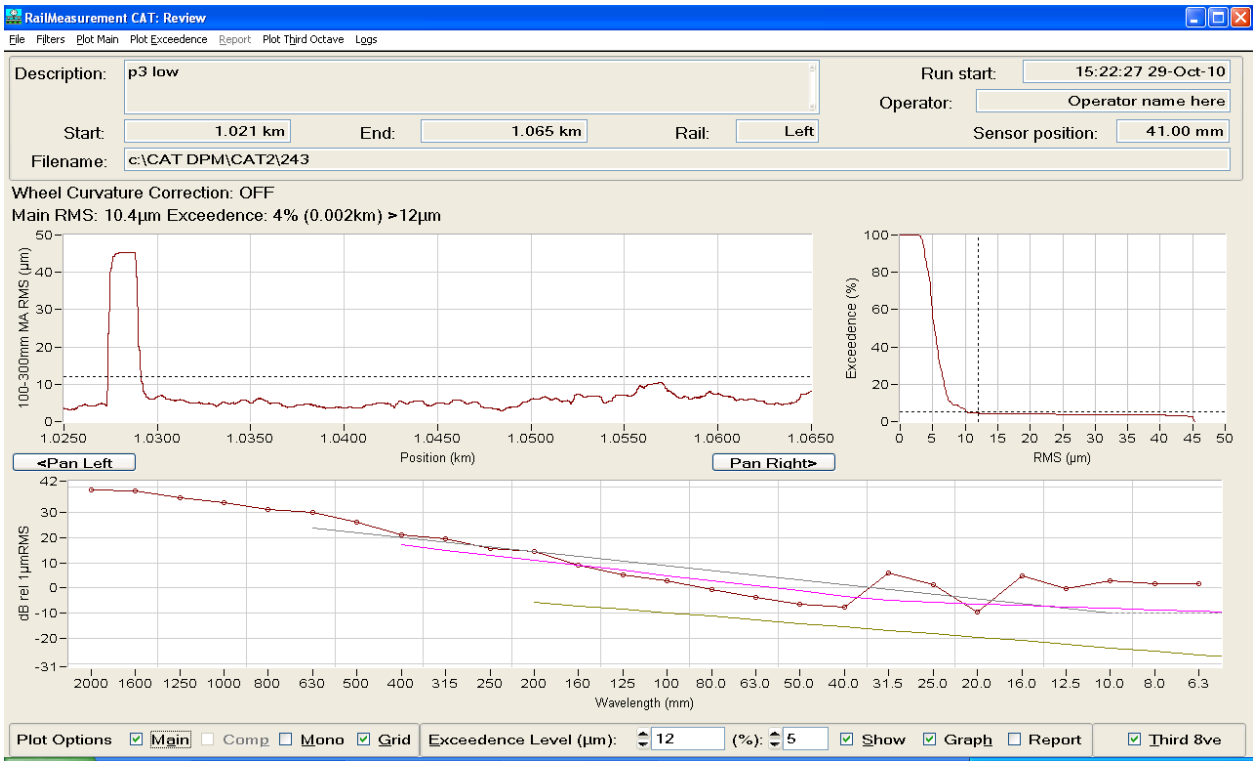

Figure 9 Curve p3 Low Rail

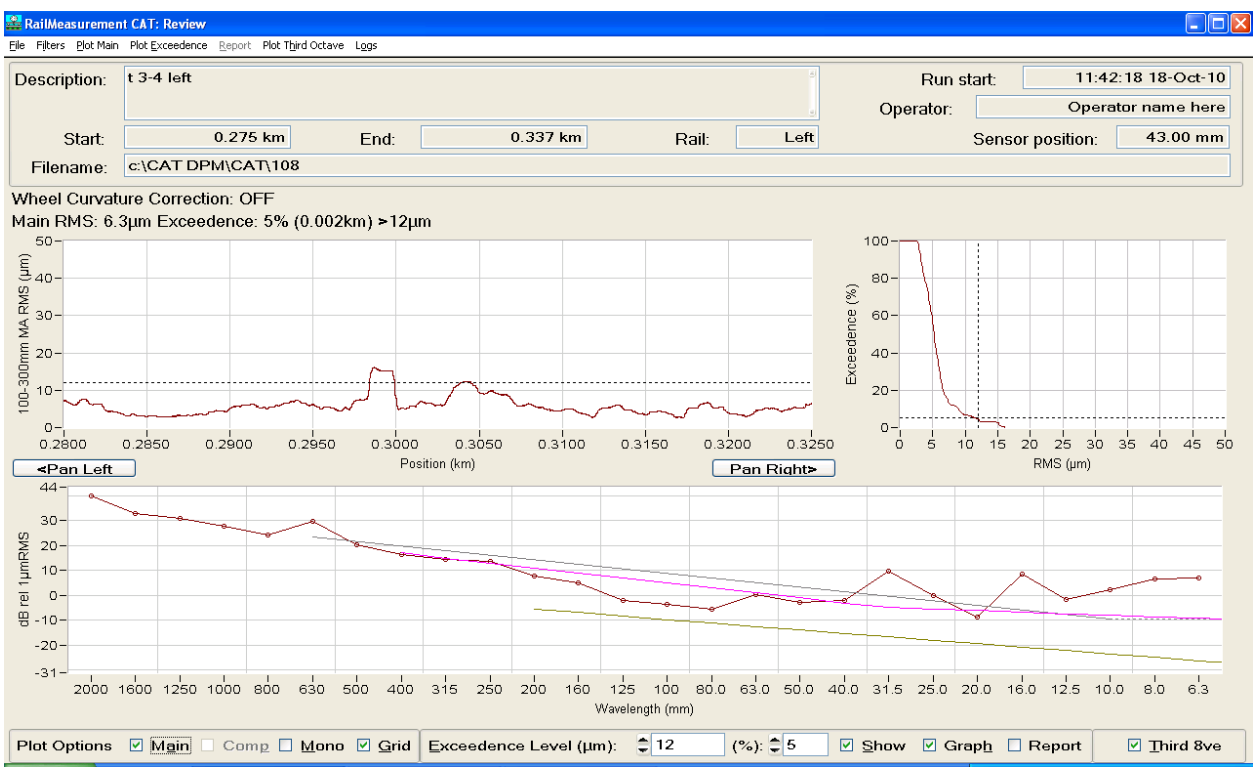

Figure 10 Tangent 3-4 Left Rail

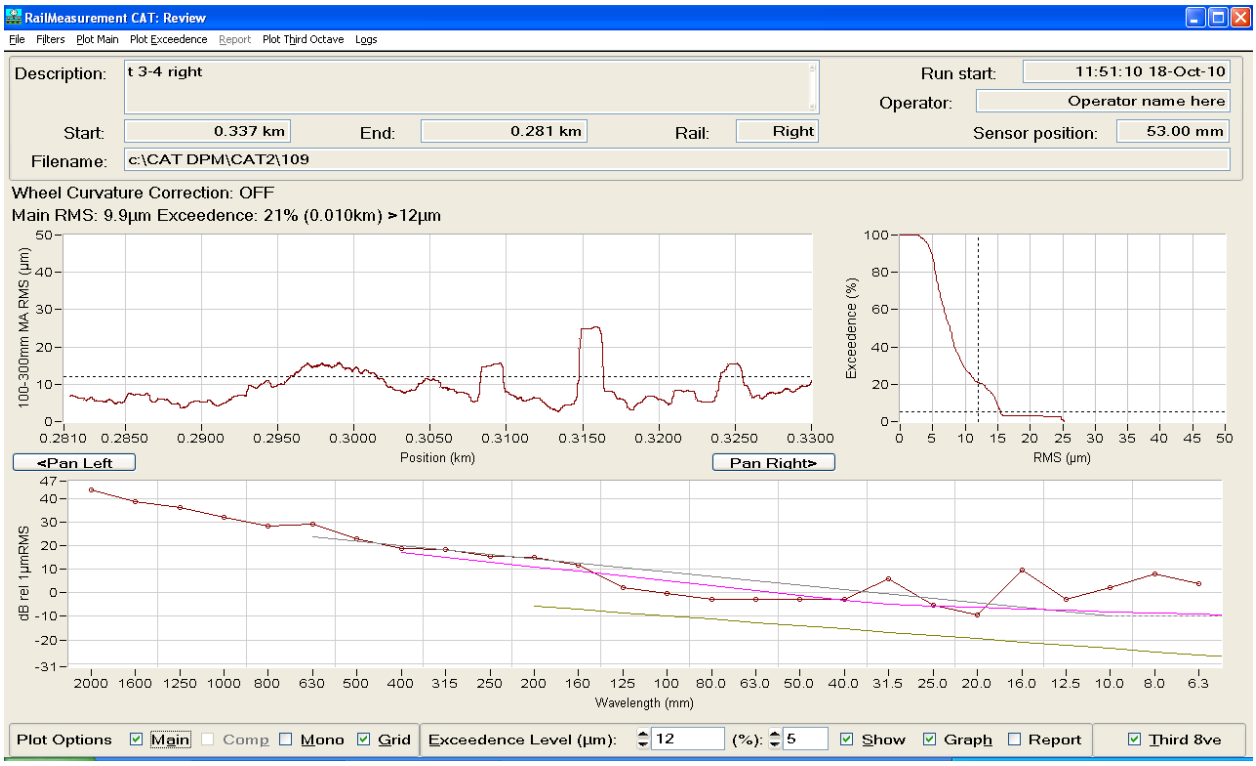

Figure 11 Tangent 3-4 Right Rail

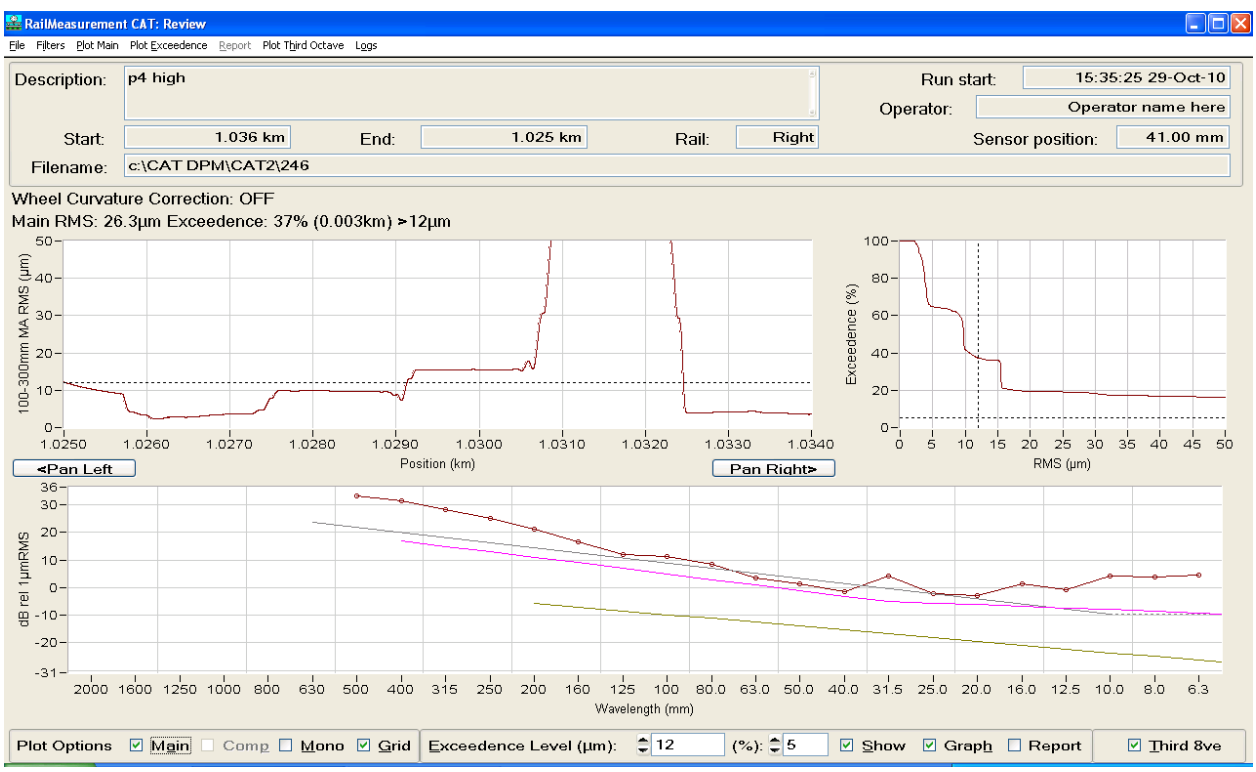

Figure 12 Curve p4 High Rail

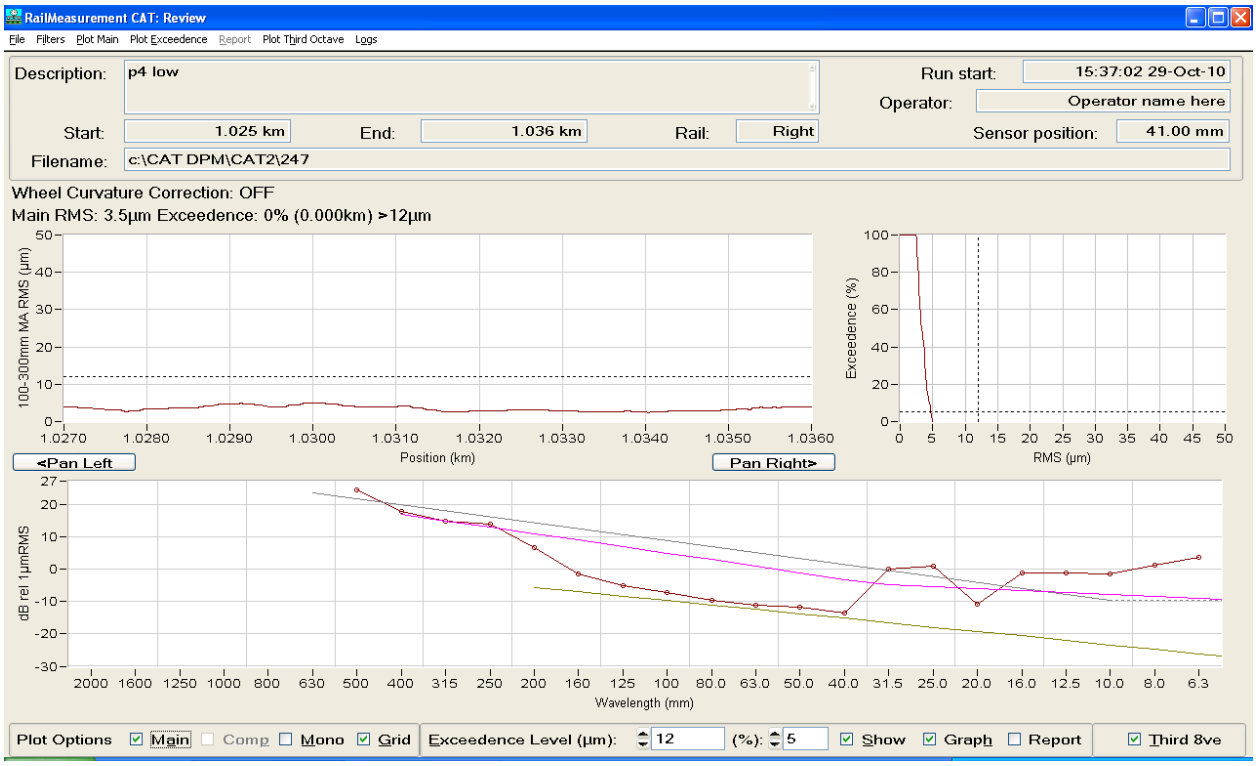

Figure 13 Curve p4 Low Rail

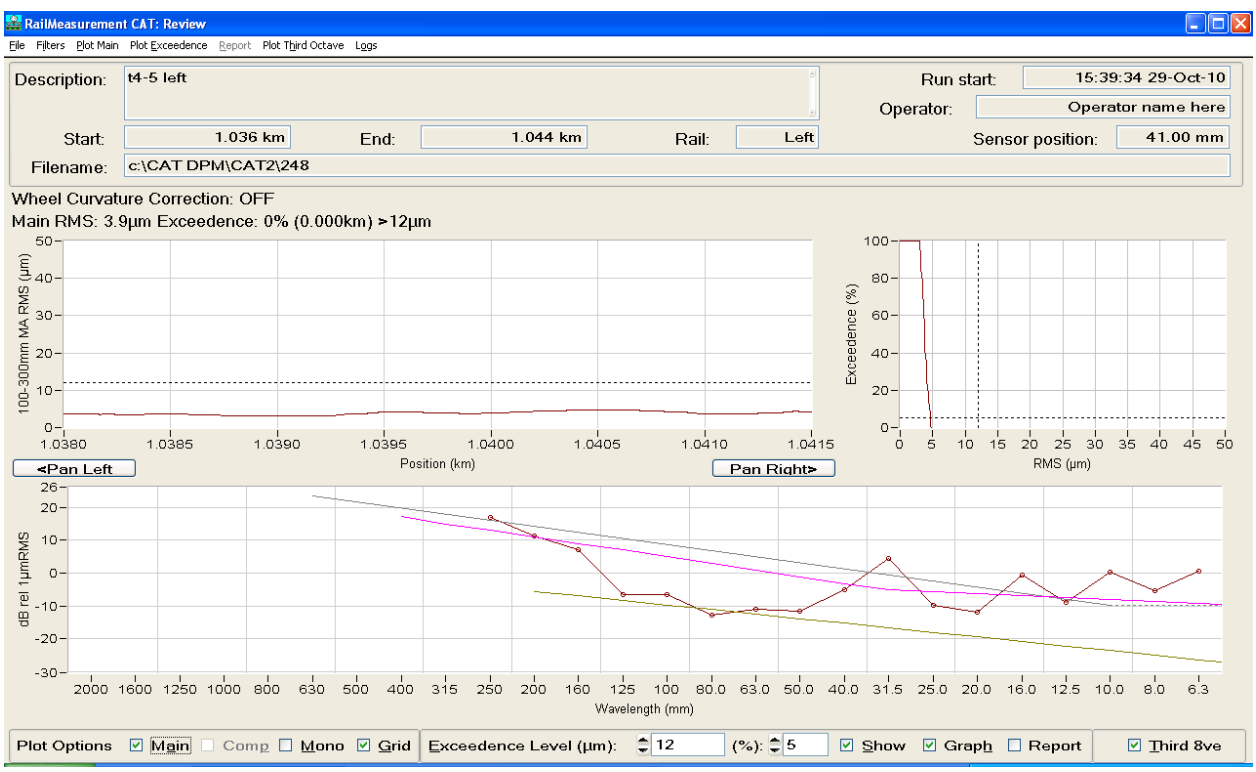

Figure 14 Tangent 4-5 Left Rail

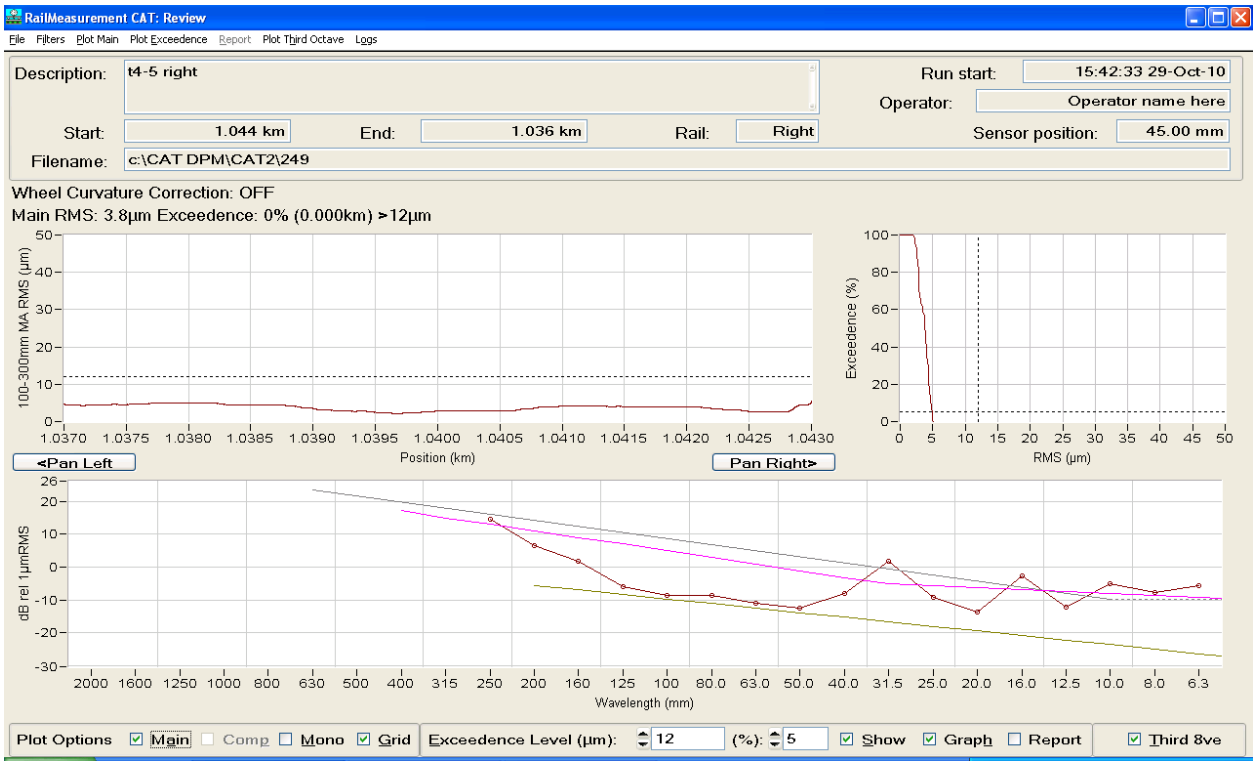

Figure 15 Tangent 4-5 Right Rail

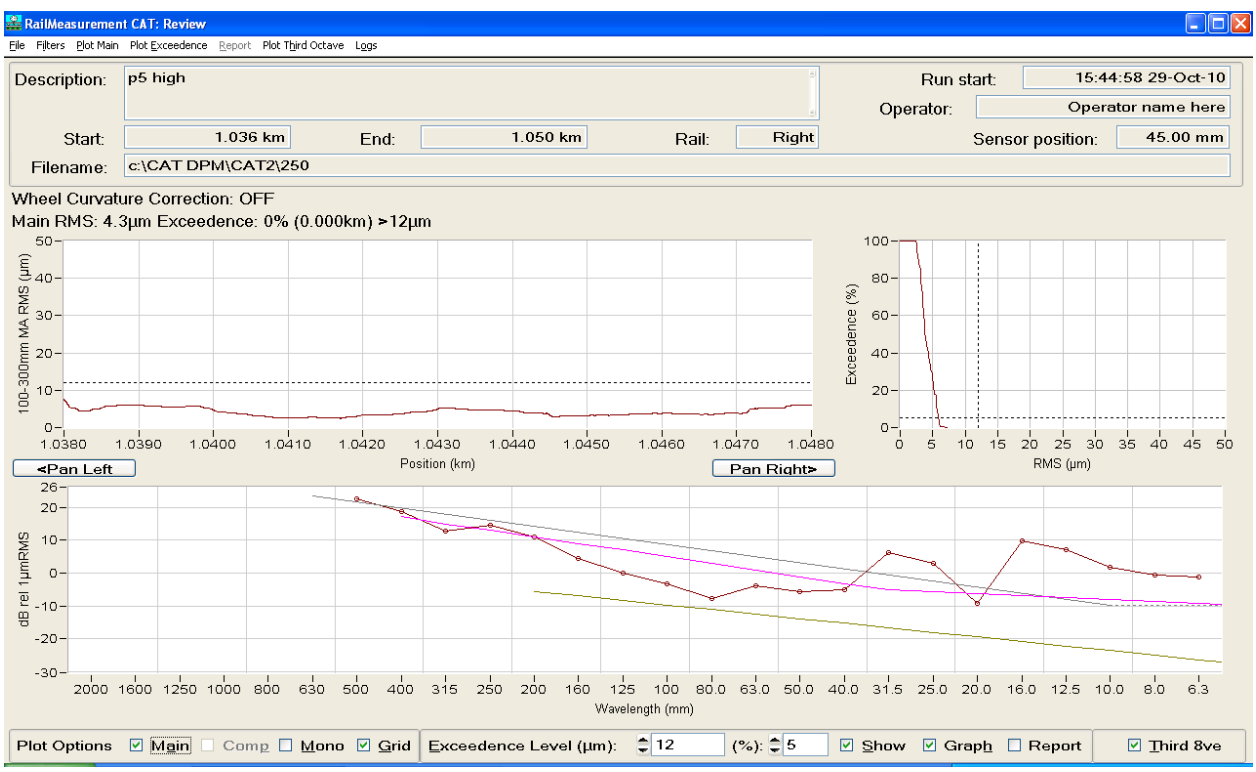

Figure 16 Curve p5 High Rail

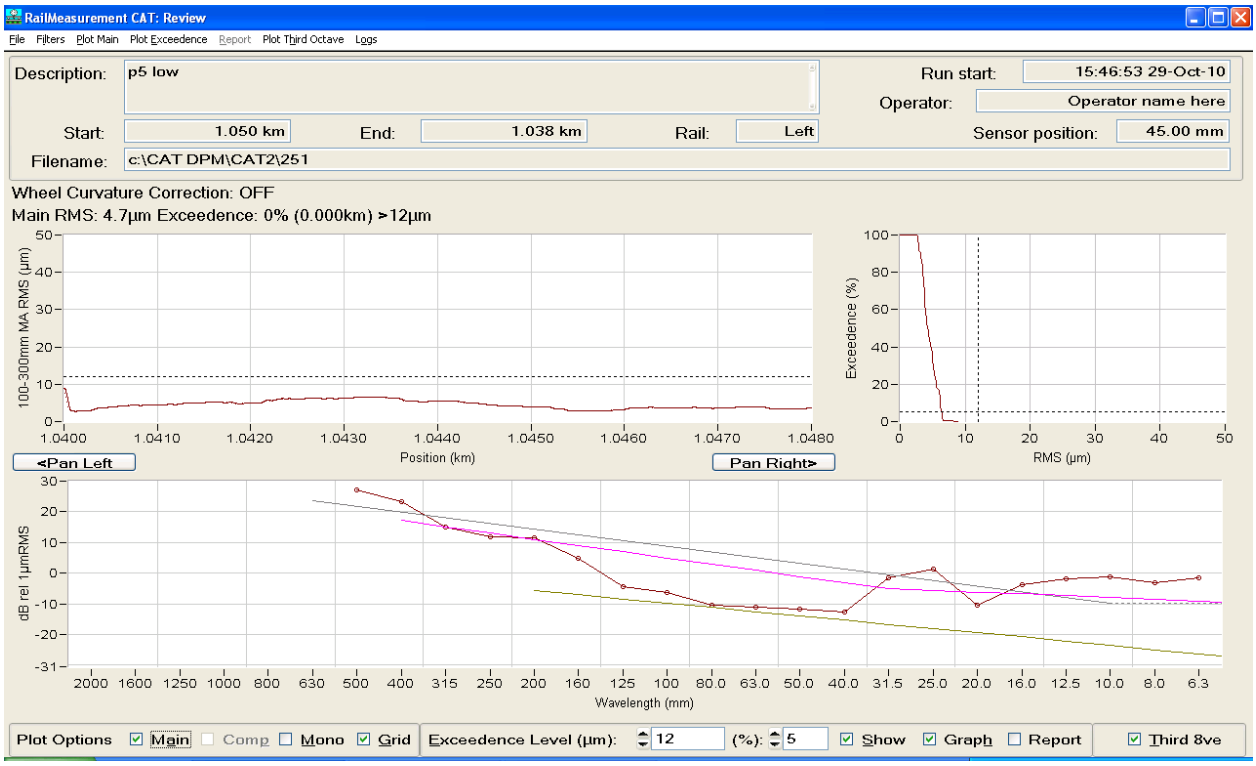

Figure 17 Curve p5 Low Rail

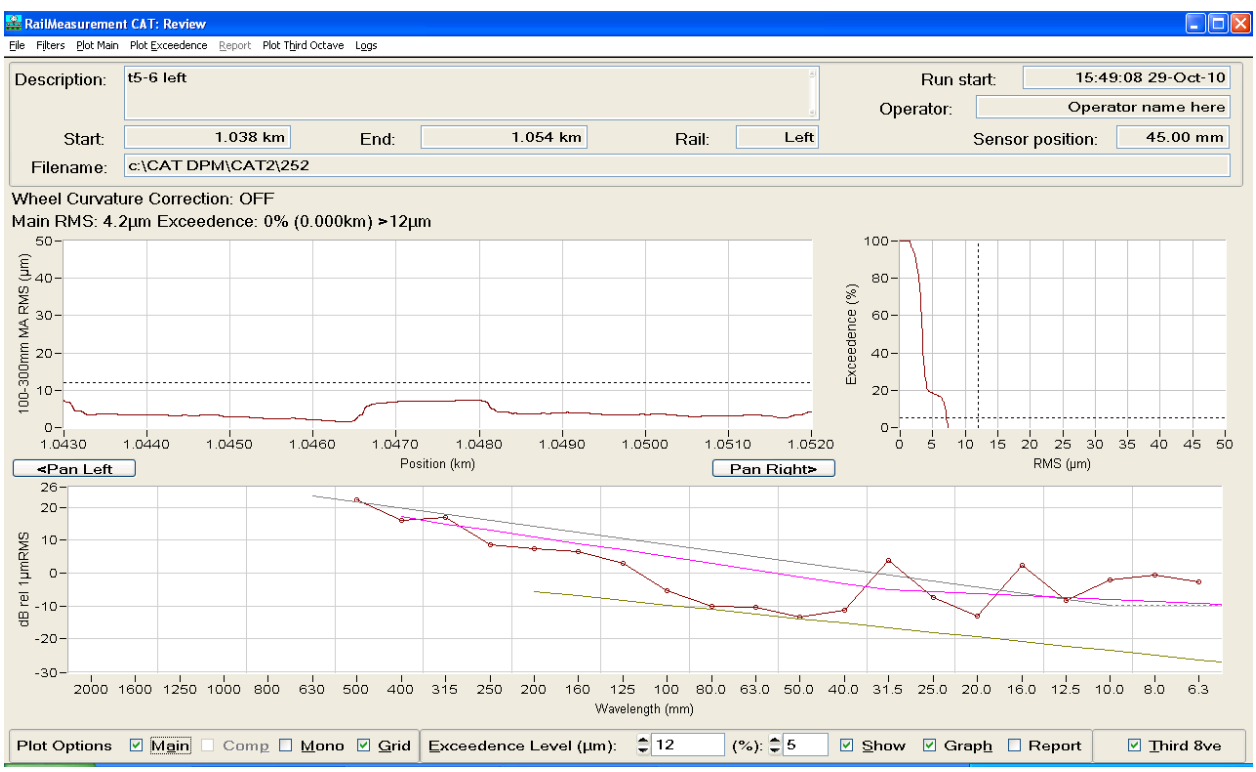

Figure 18 Tangent 5-6 Left Rail

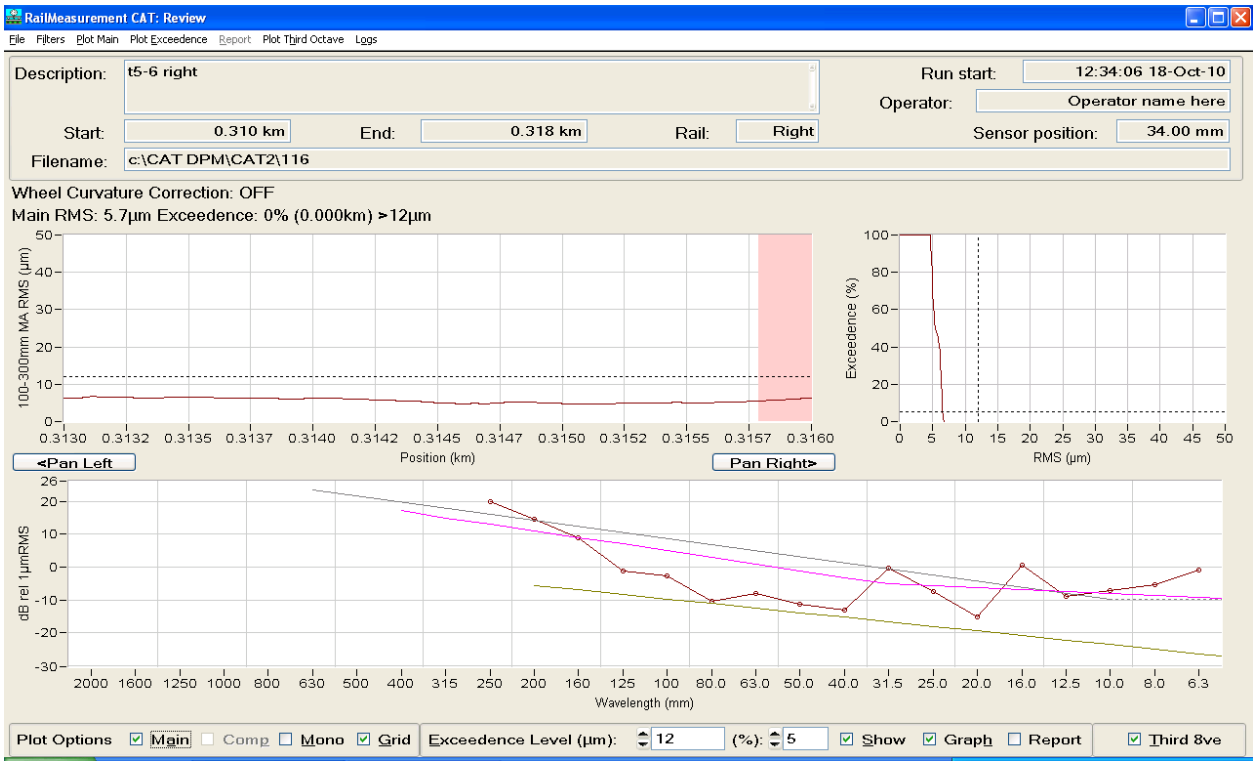

Figure 19 Tangent 5-6 Right Rail

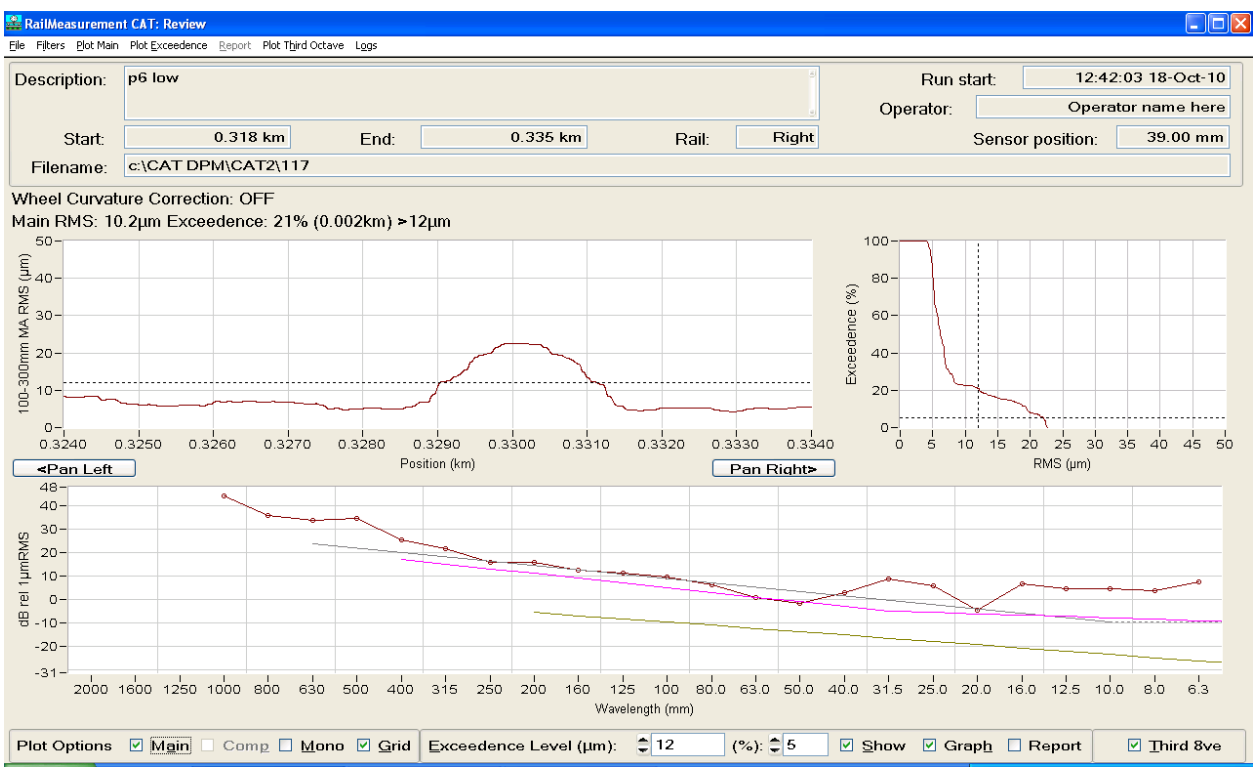

Figure 20 Curve p6 Low Rail

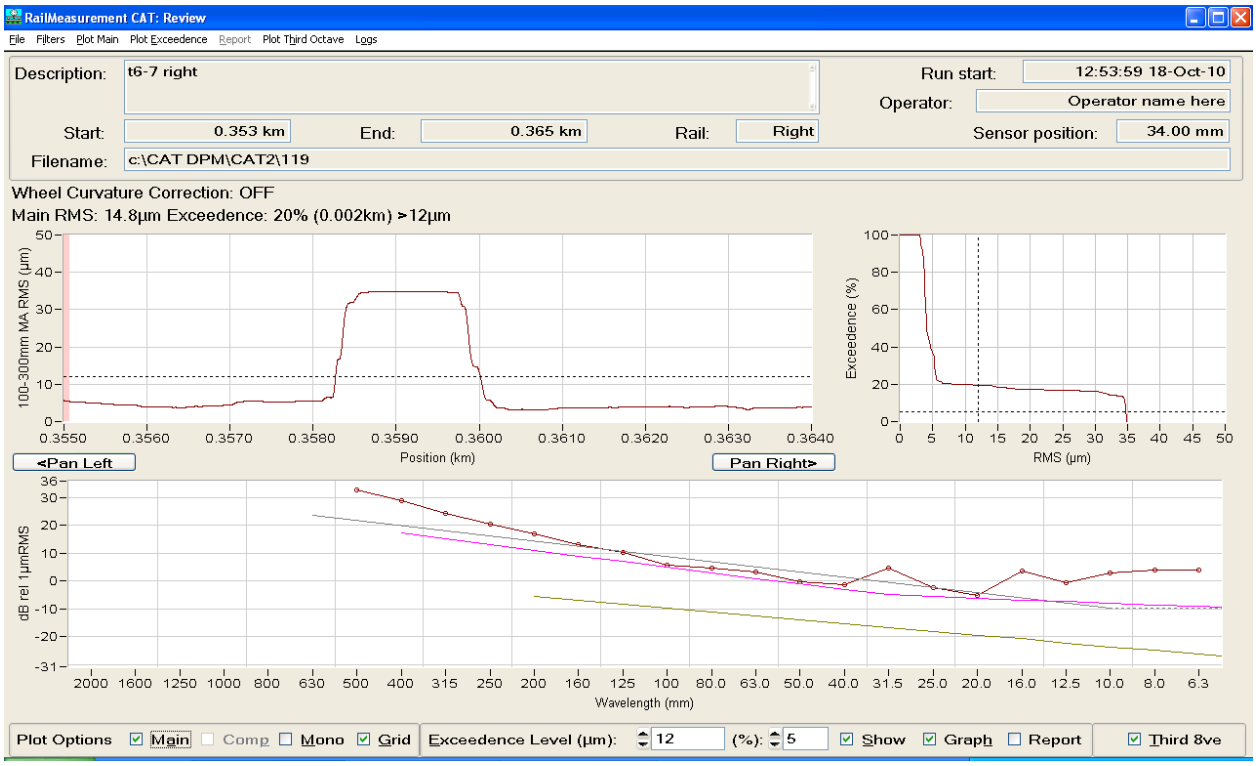

Figure 21 Tangent 6-7 Right Rail

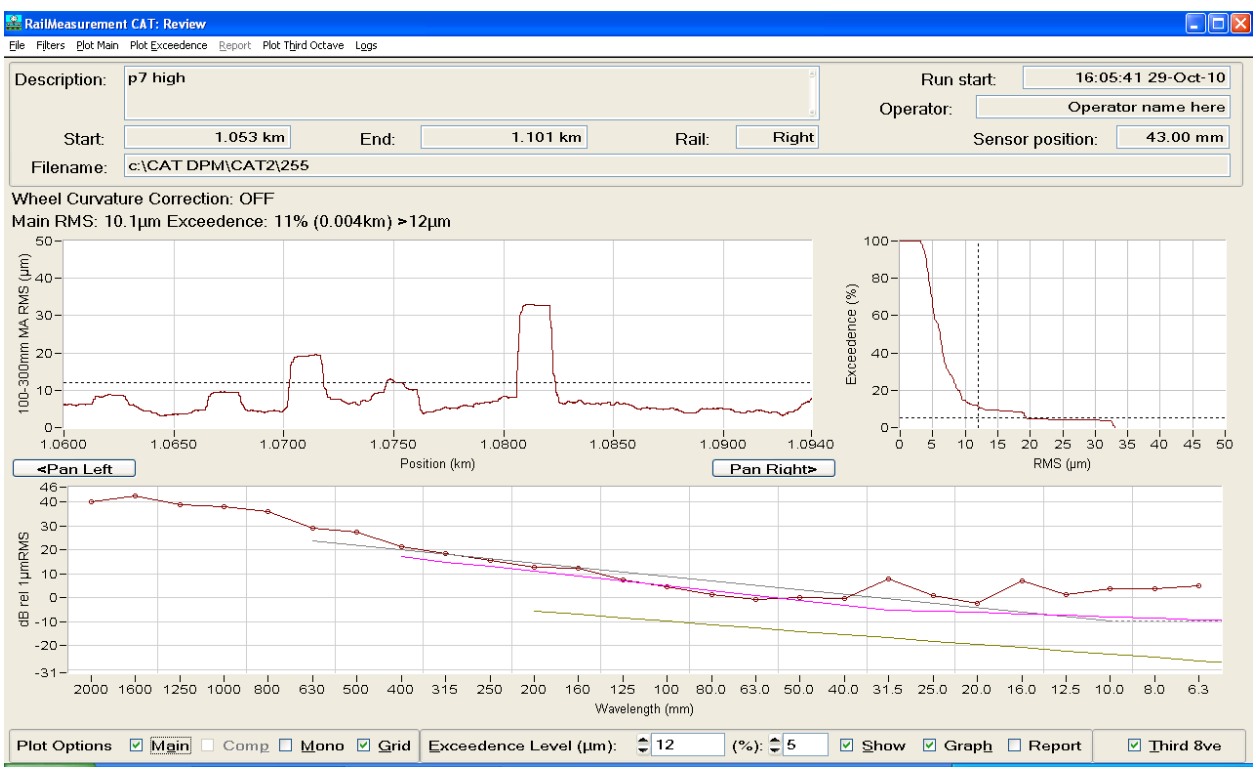

Figure 22 Curve p7 High Rail

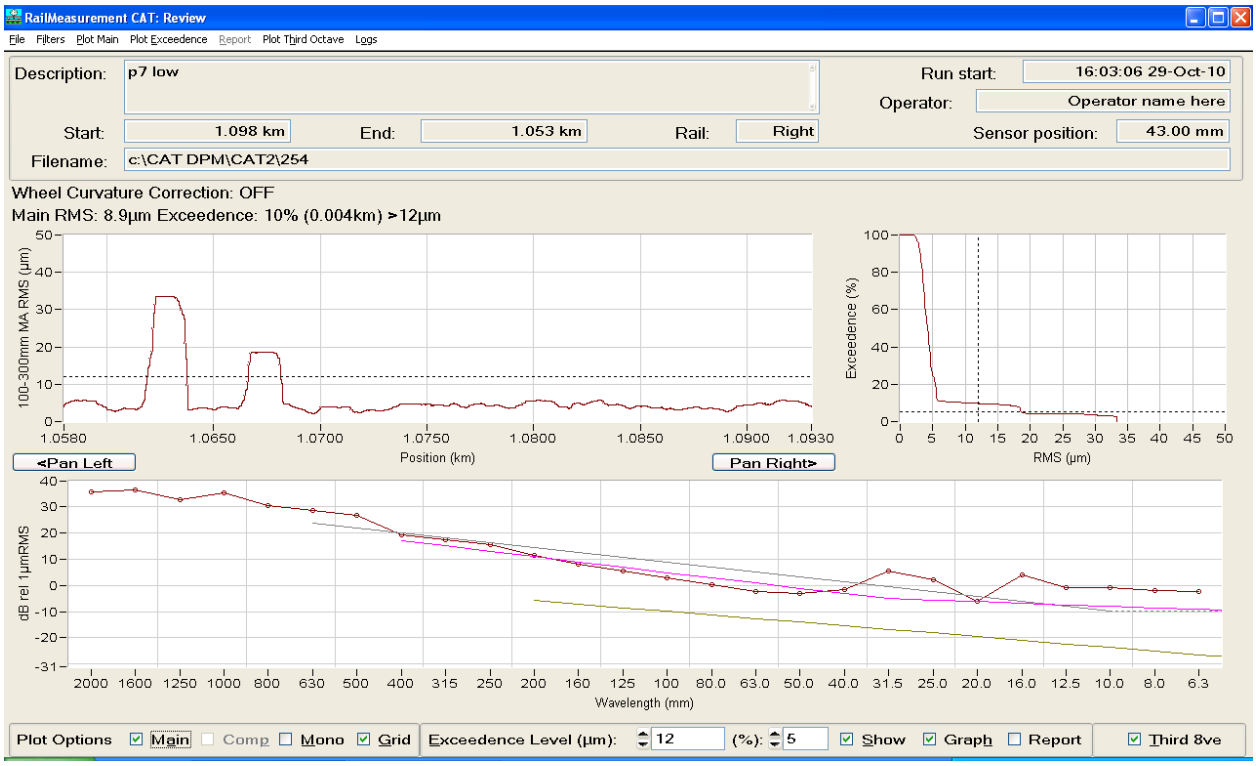

Figure 23 Curve p7 Low Rail

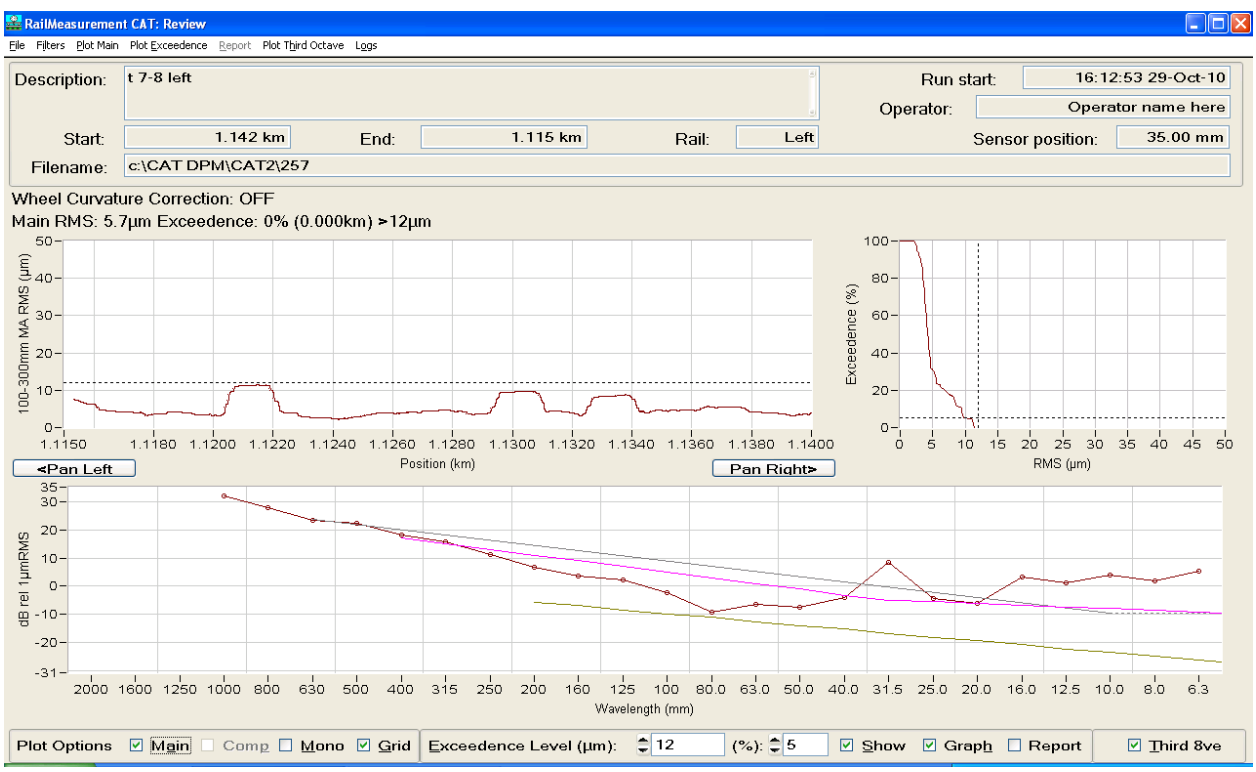

Figure 24 Tangent 7-8 Left Rail

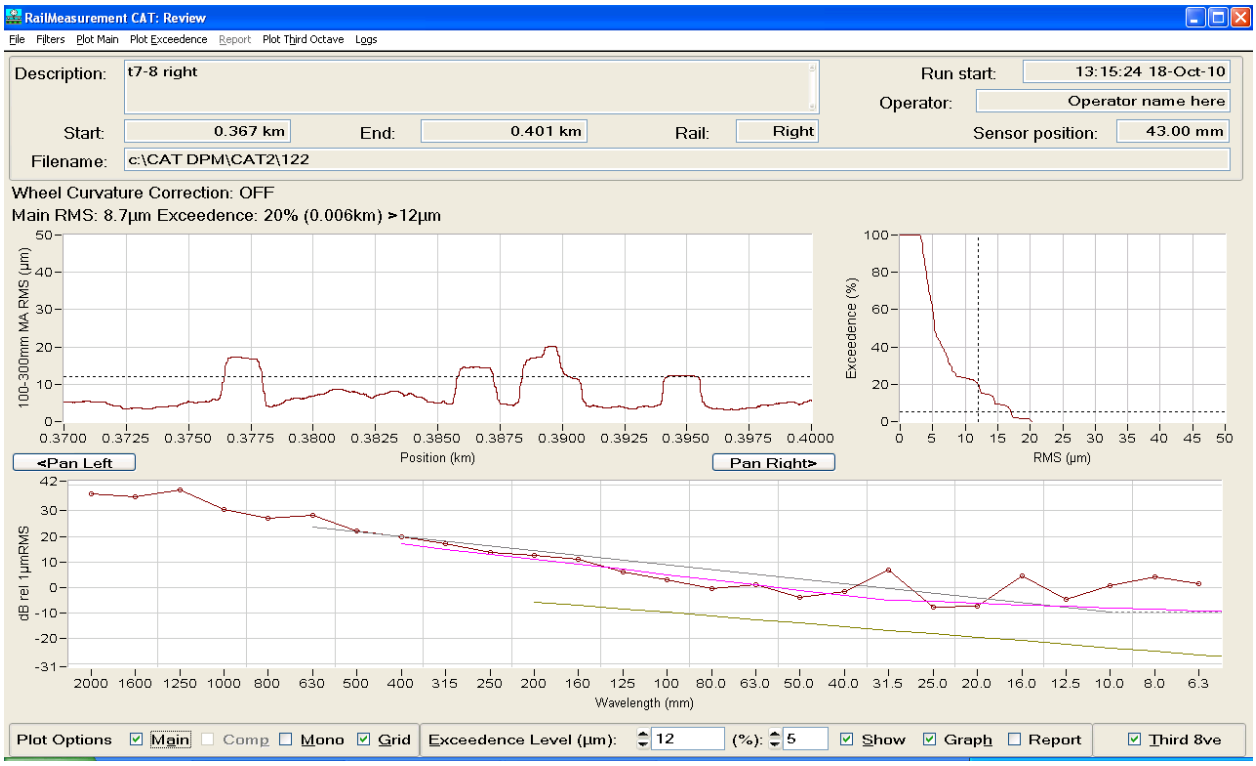

Figure 25 Tangent 7-8 Right Rail

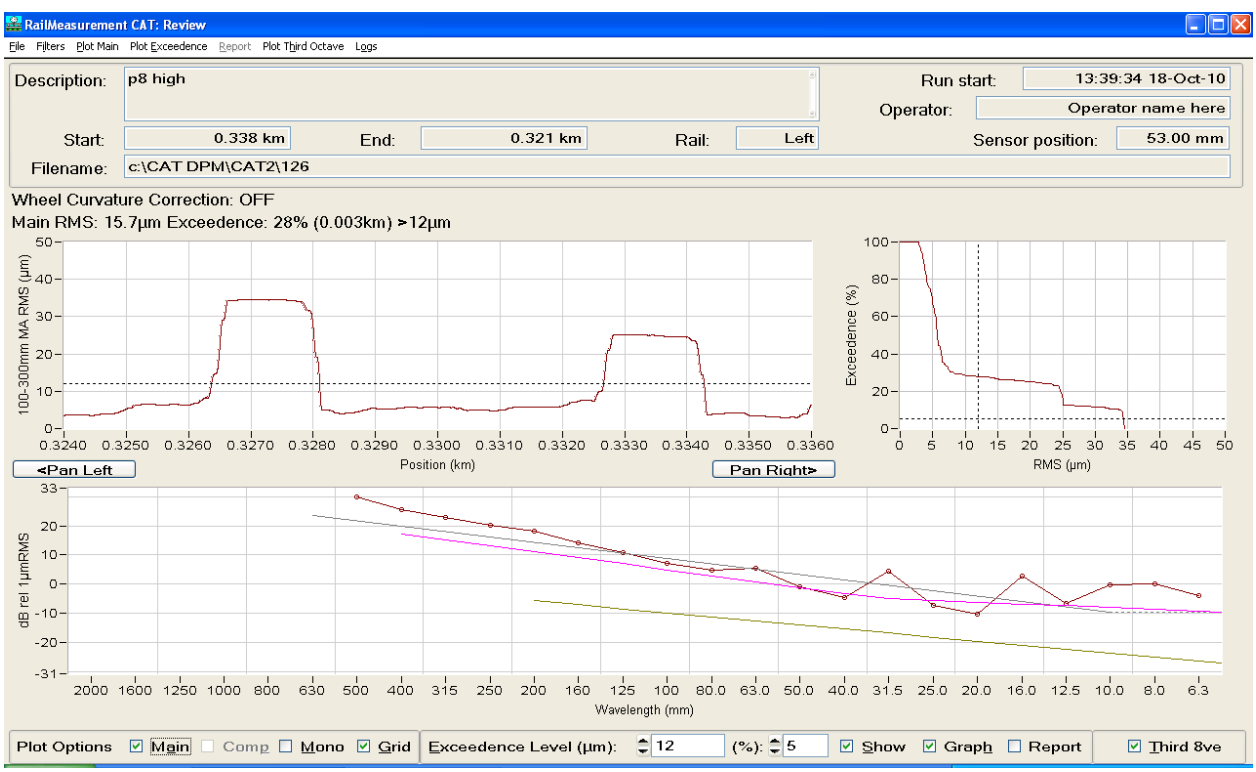

Figure 26 Curve p8 High Rail

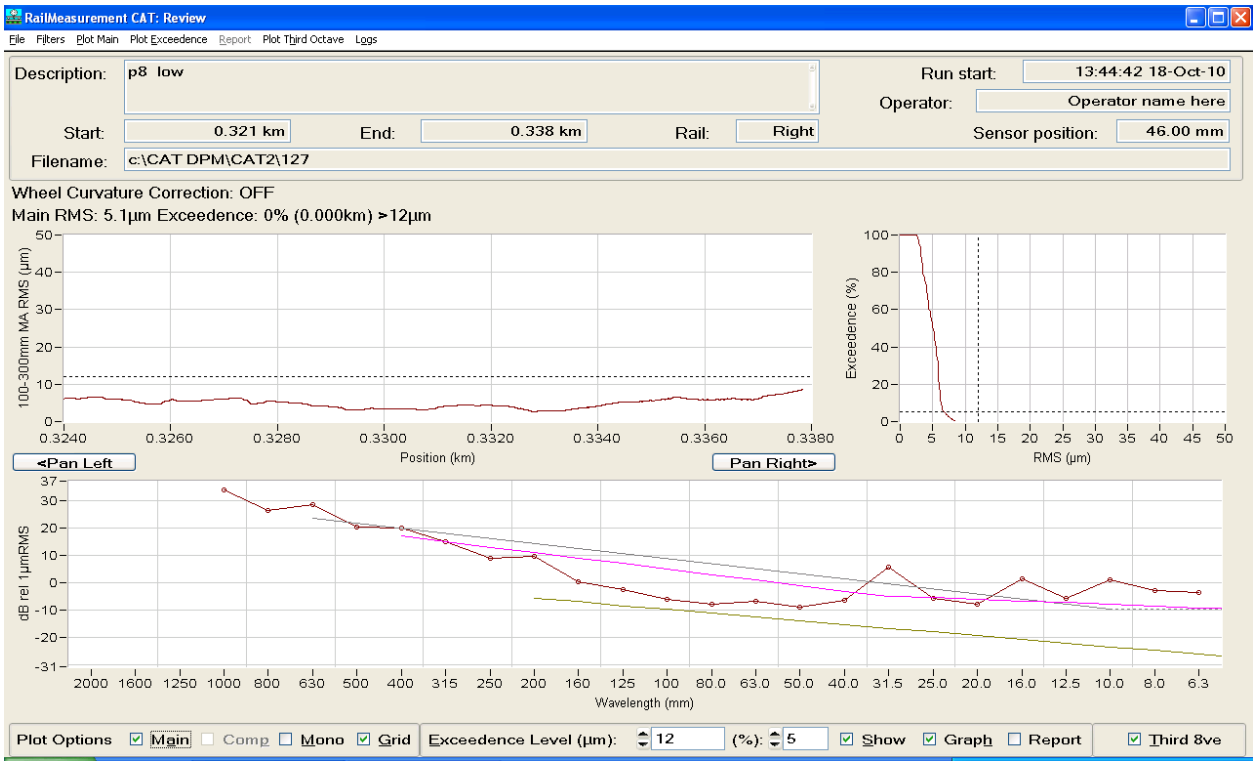

Figure 27 Curve p8 Low Rail

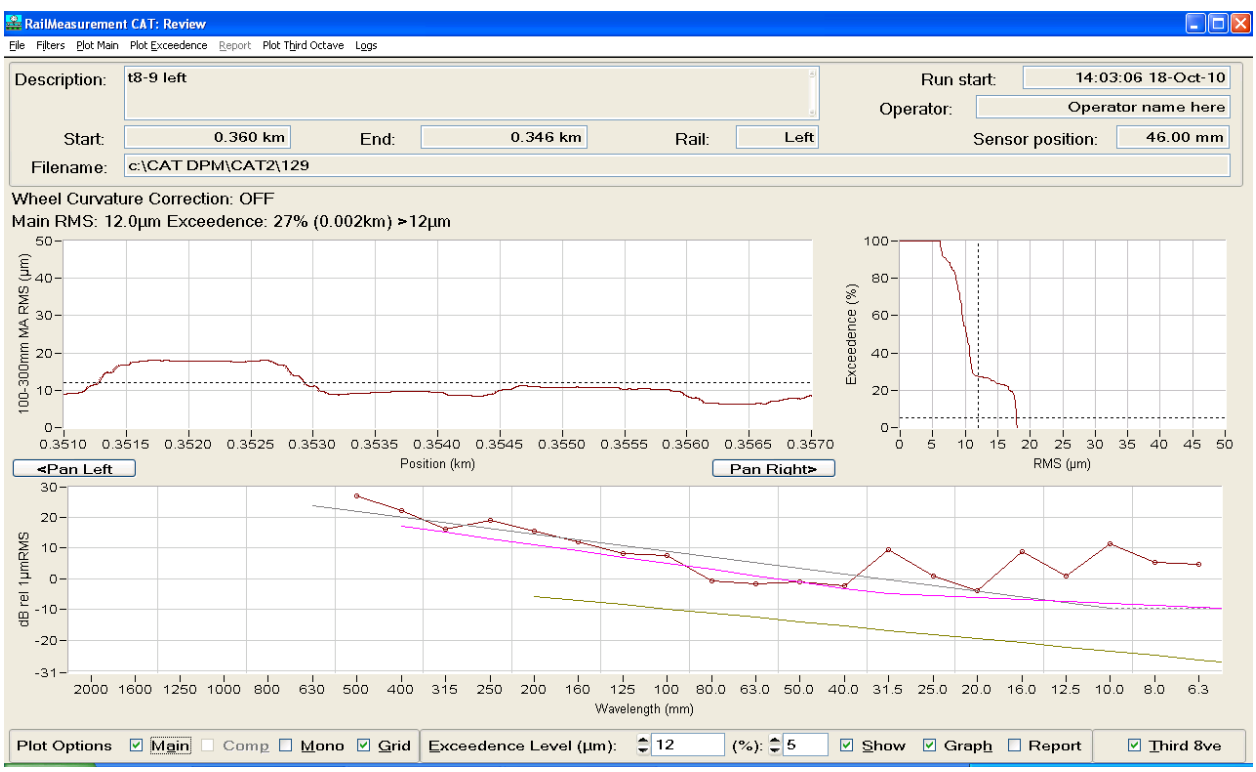

Figure 28 Tangent 8-9 Left Rail

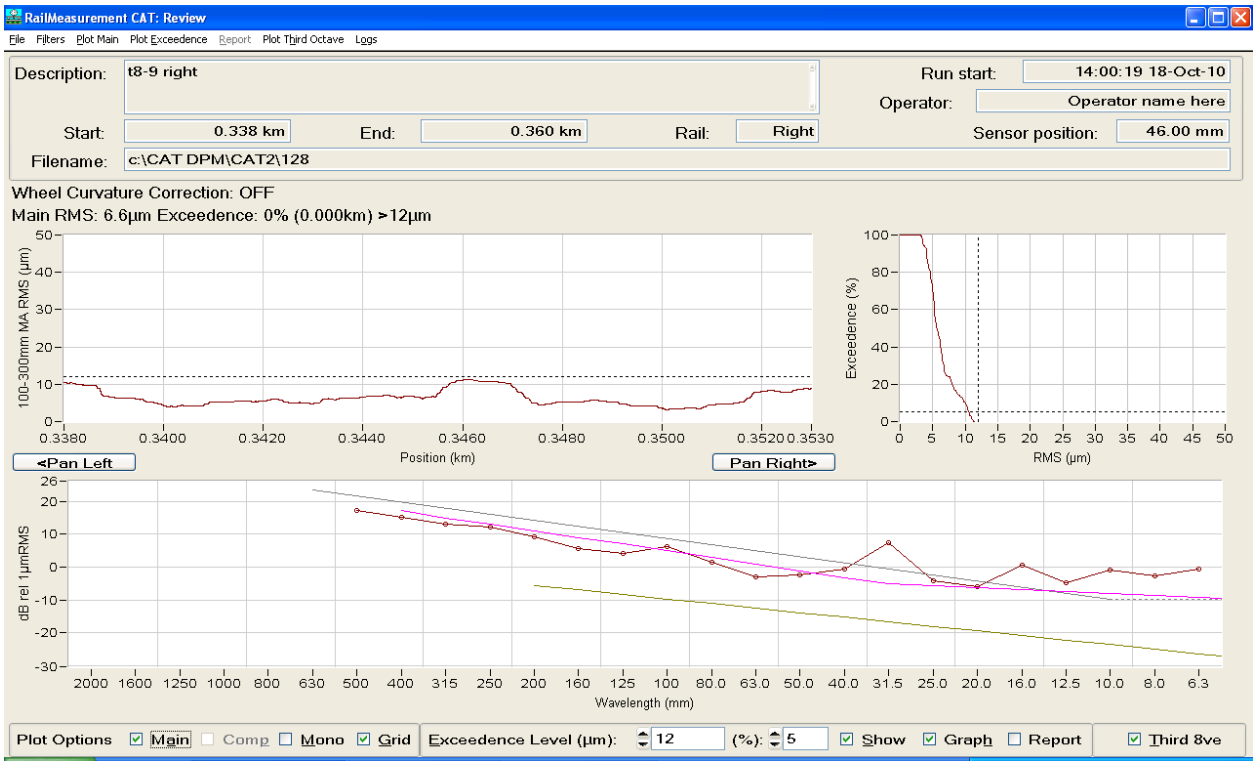

Figure 29 Tangent 8-9 Right Rail

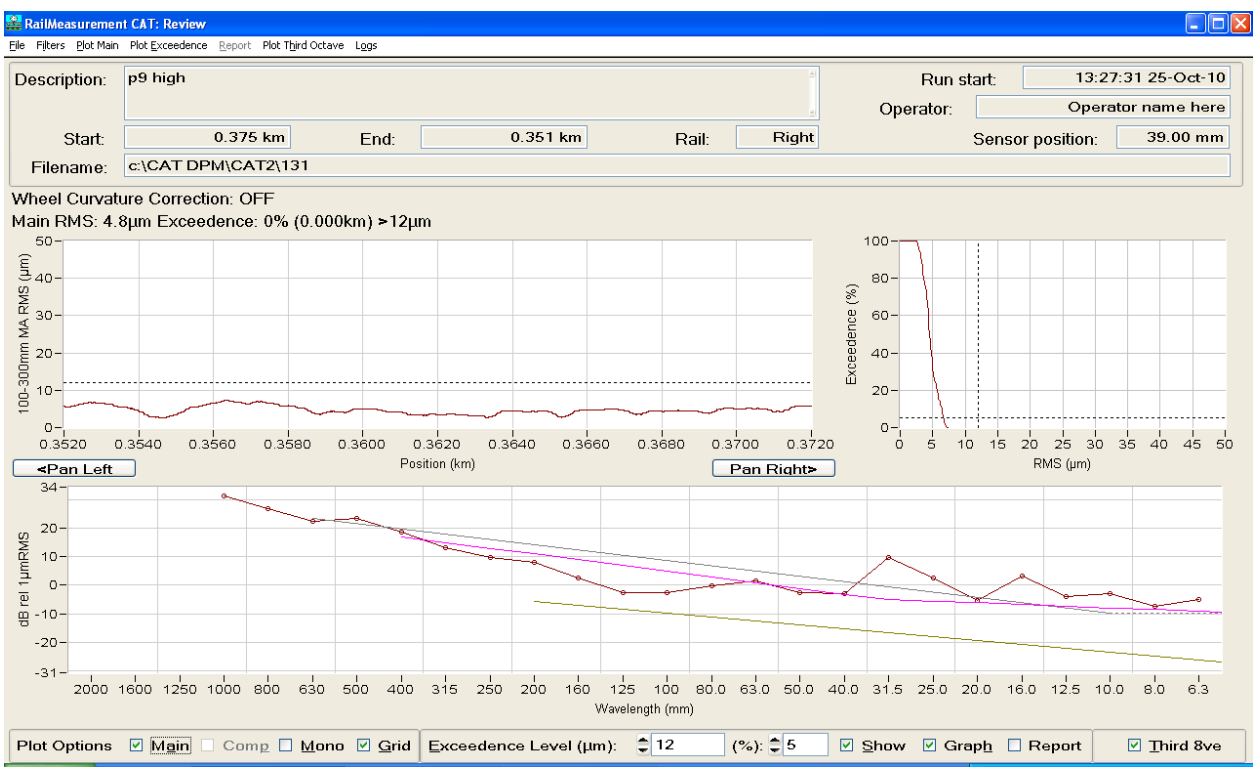

Figure 30 Curve p9 High Rail

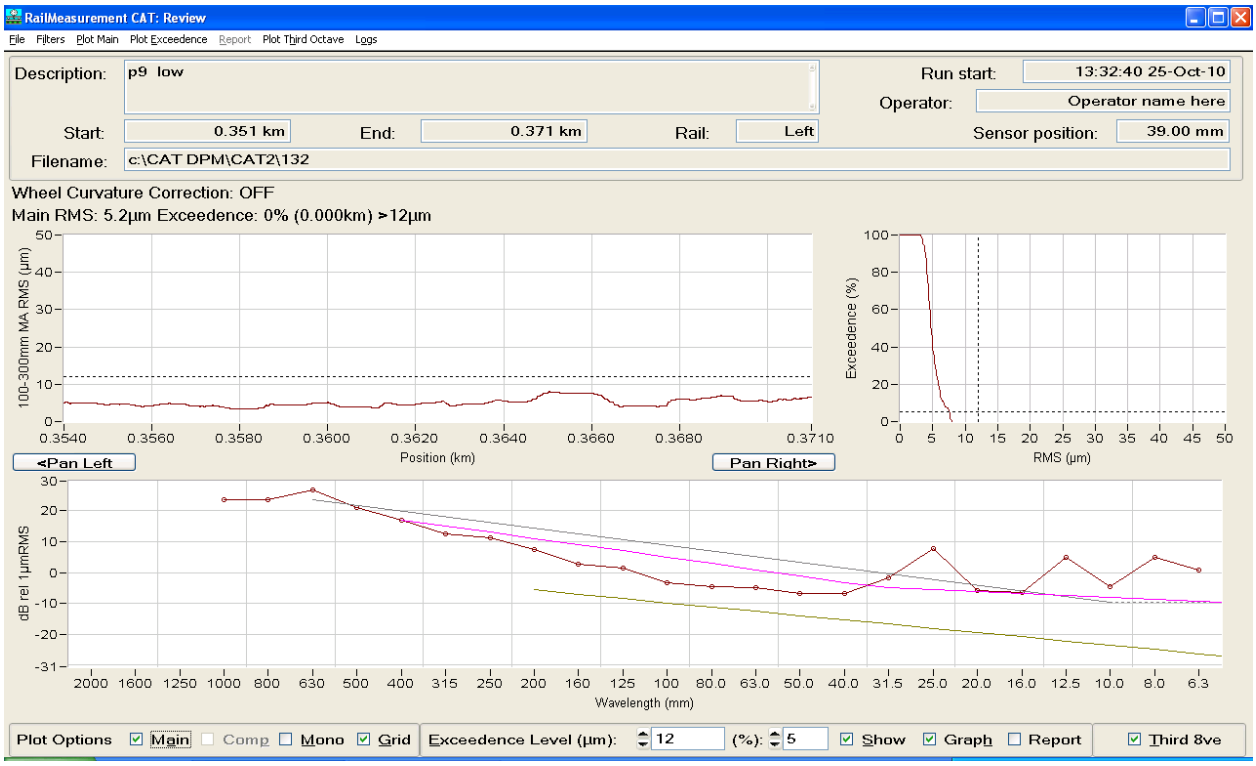

Figure 31 Curve p9 Low Rail

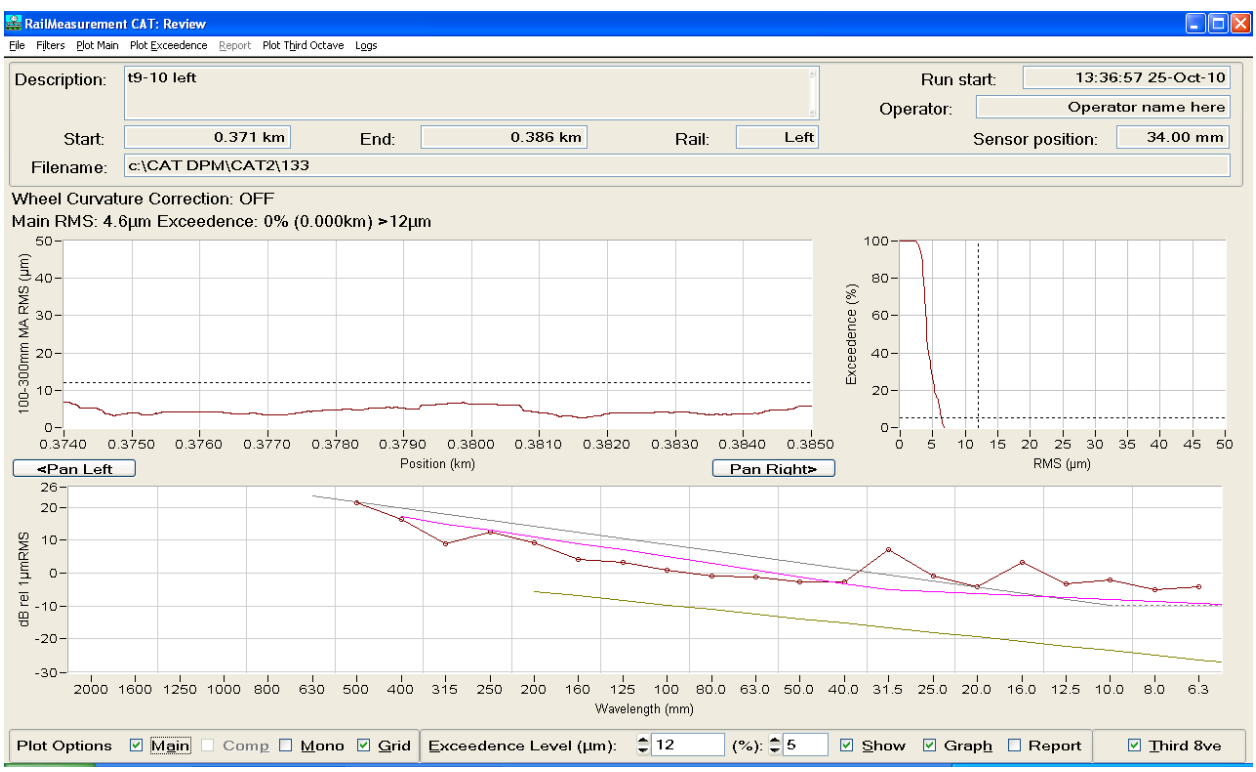

Figure 32 Tangent 9-10 Left Rail

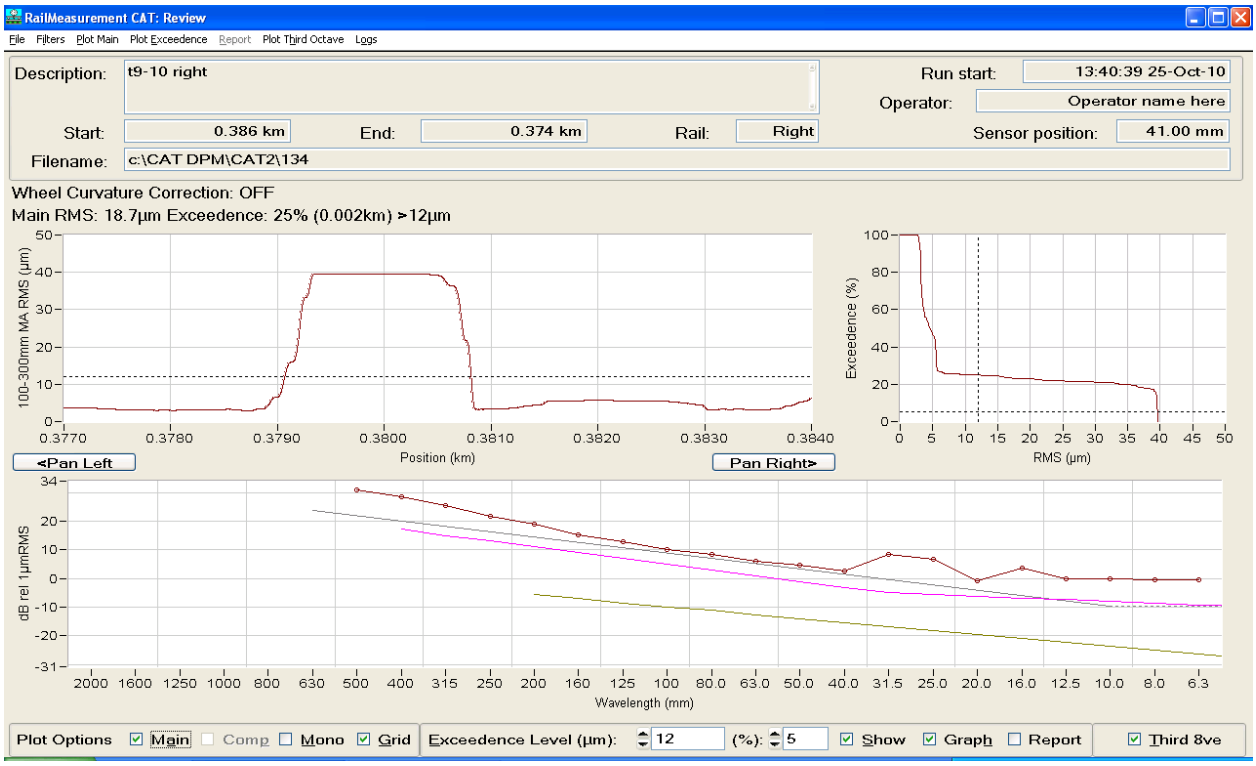

Figure 33 Tangent 9-10 Right Rail

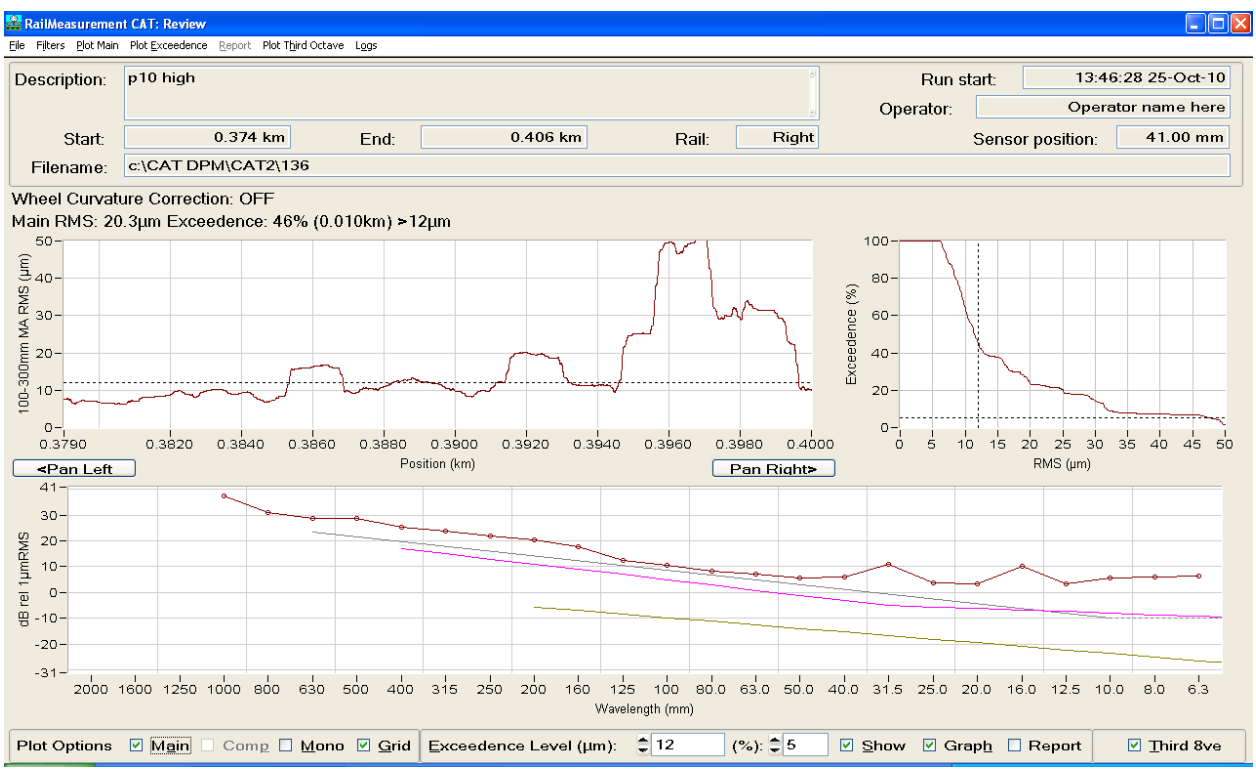

Figure 34 Curve p10 High Rail

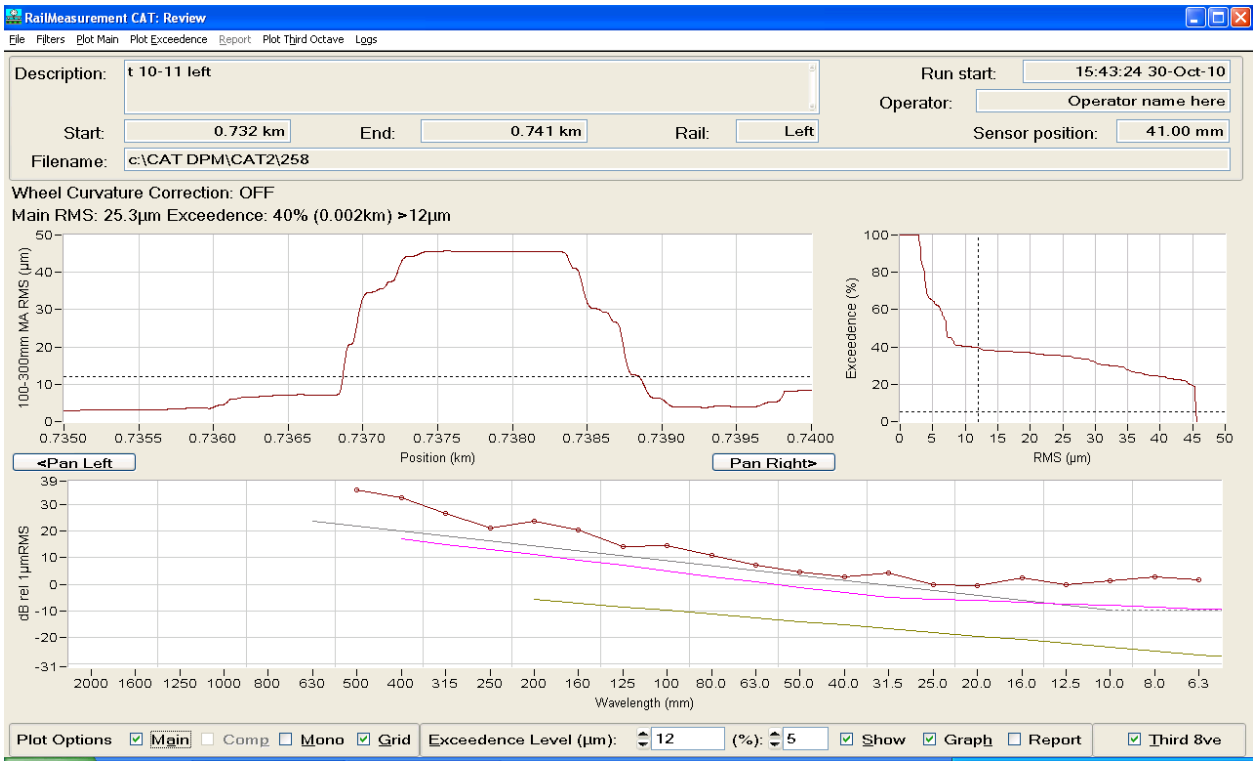

Figure 35 Tangent 10-11 Left Rail

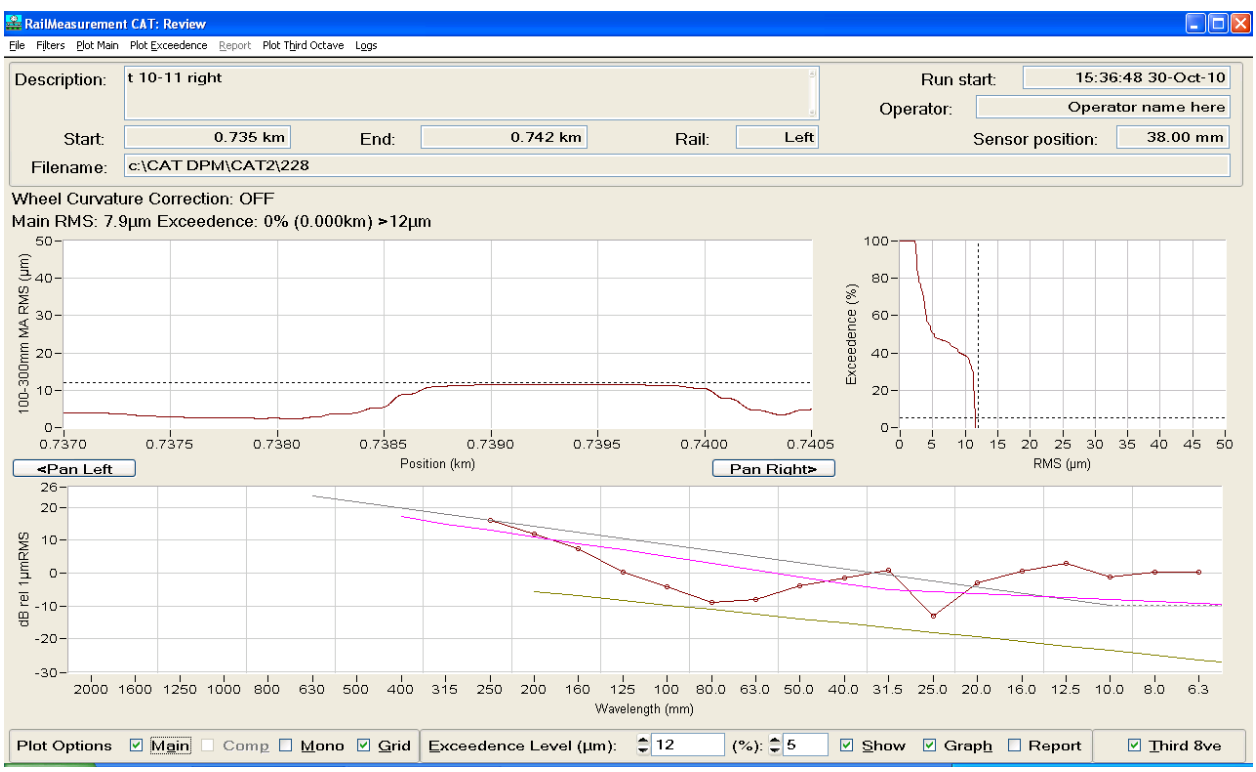

Figure 36 Tangent 10-11 Right Rail

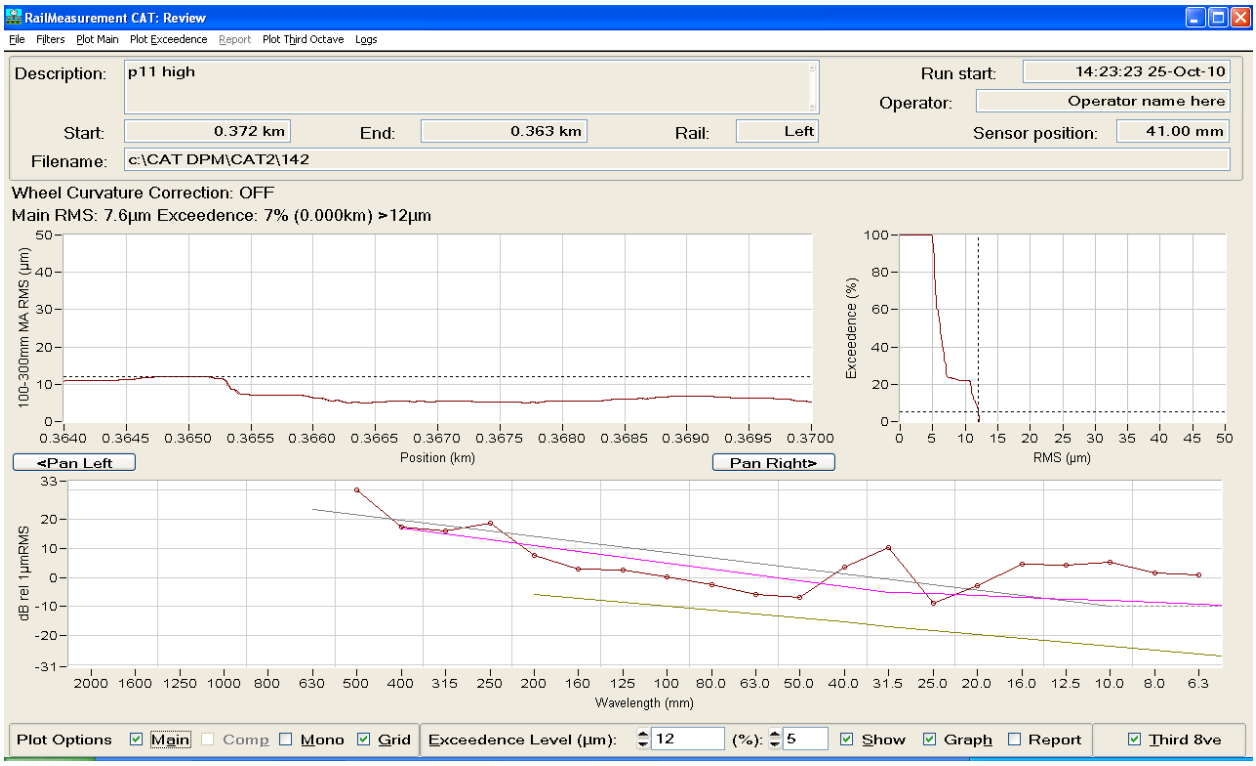

Figure 37 Curve p11 High Rail

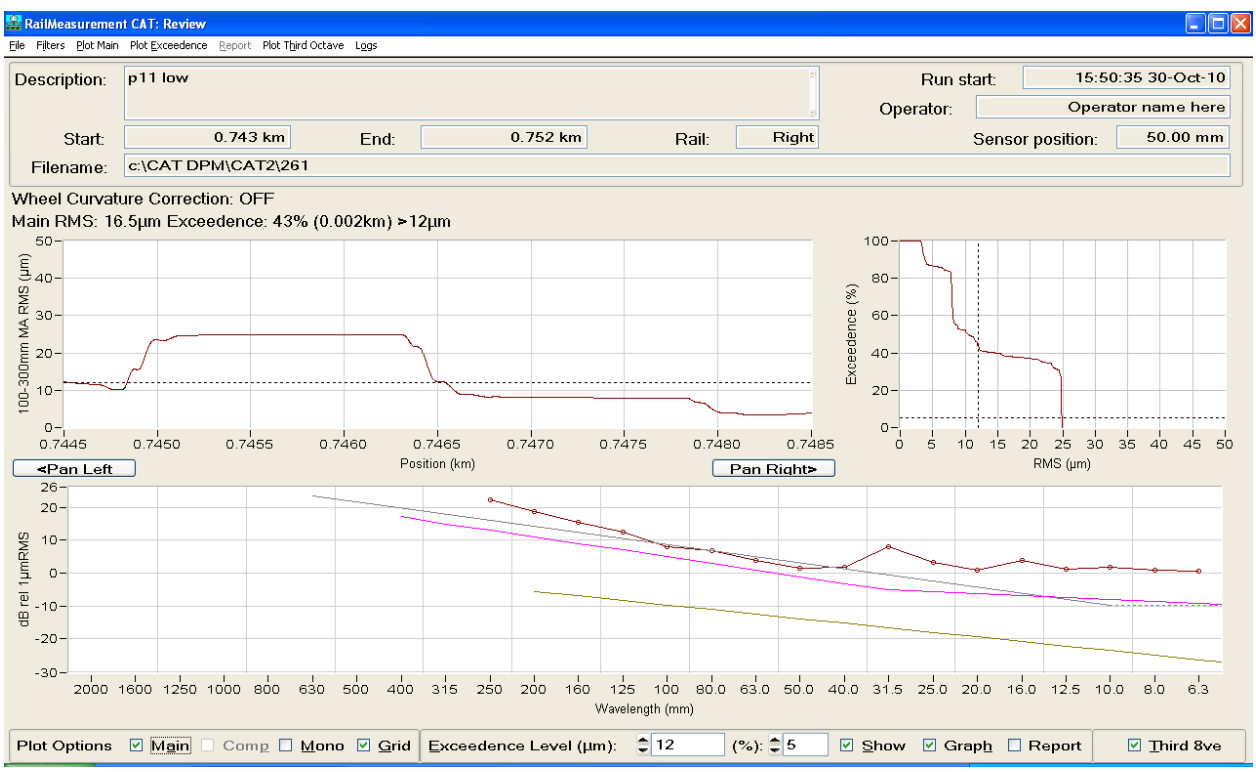

Figure 38 Curve p11 Low Rail

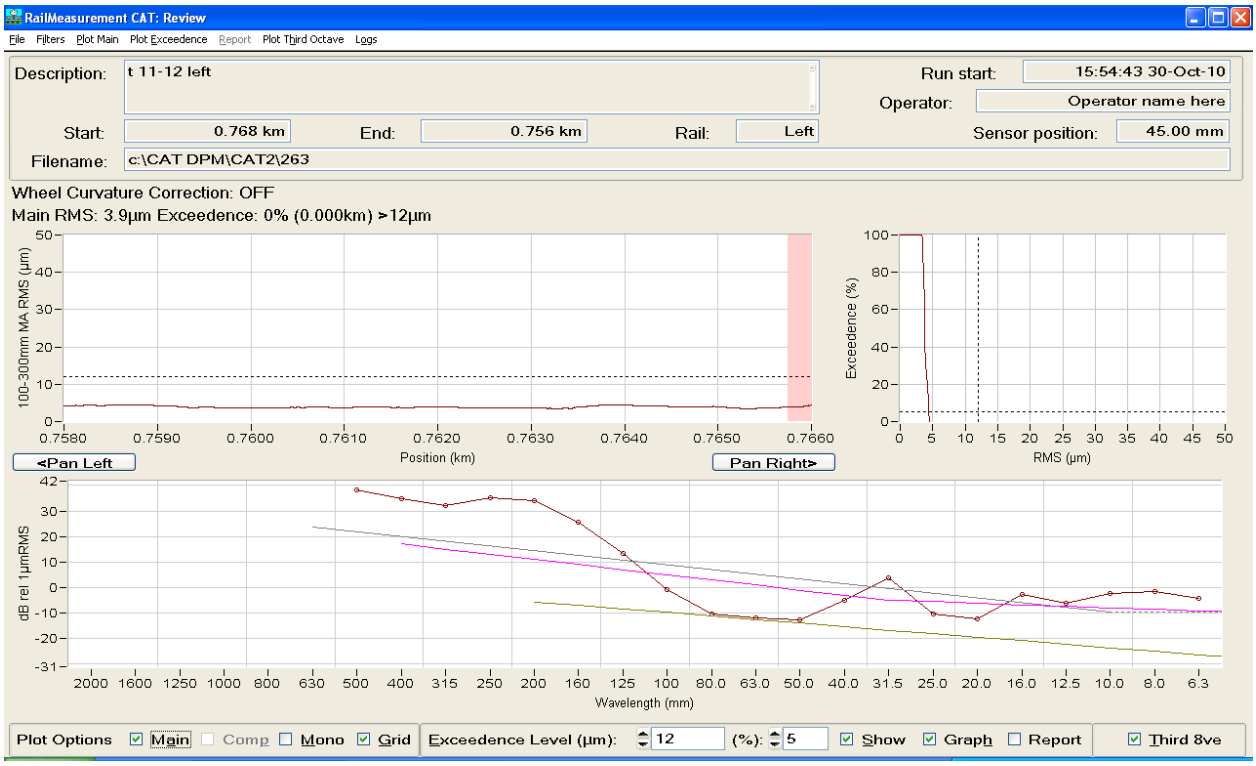

Figure 39 Tangent 11-12 Left Rail

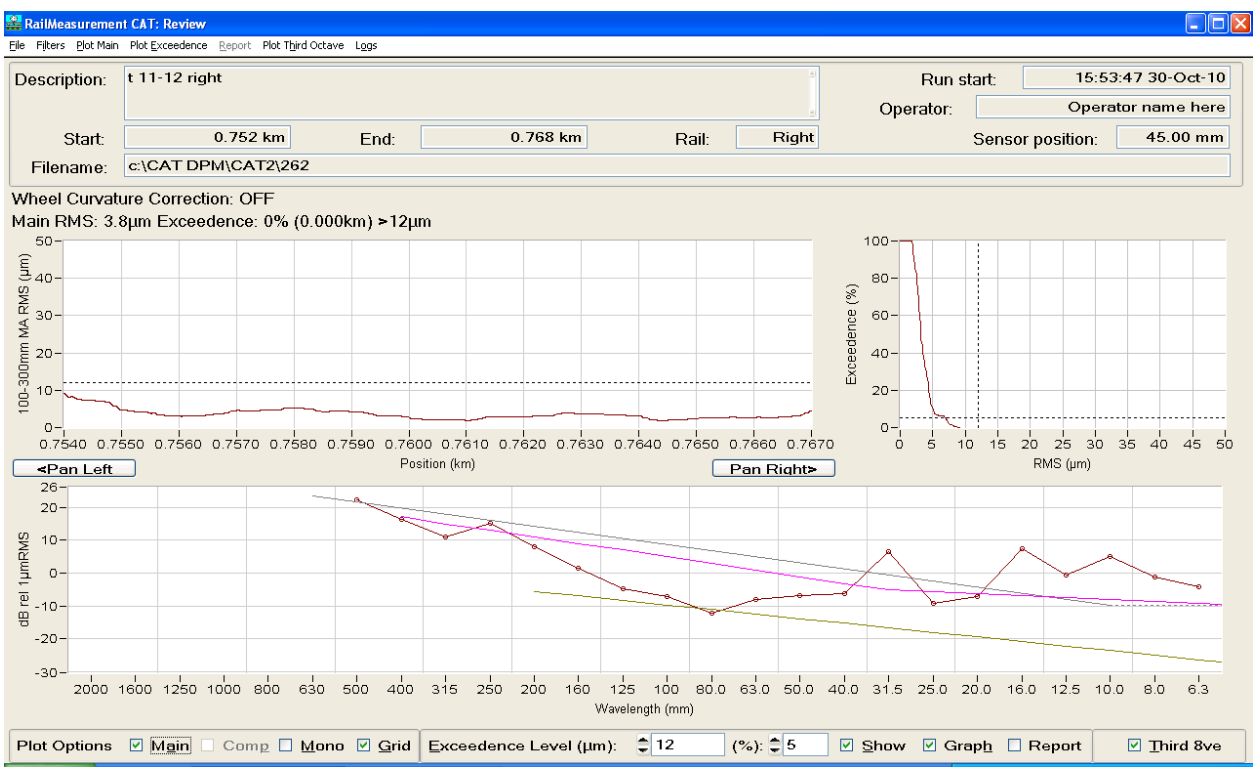

Figure 40 Tangent 11-12 Right Rail

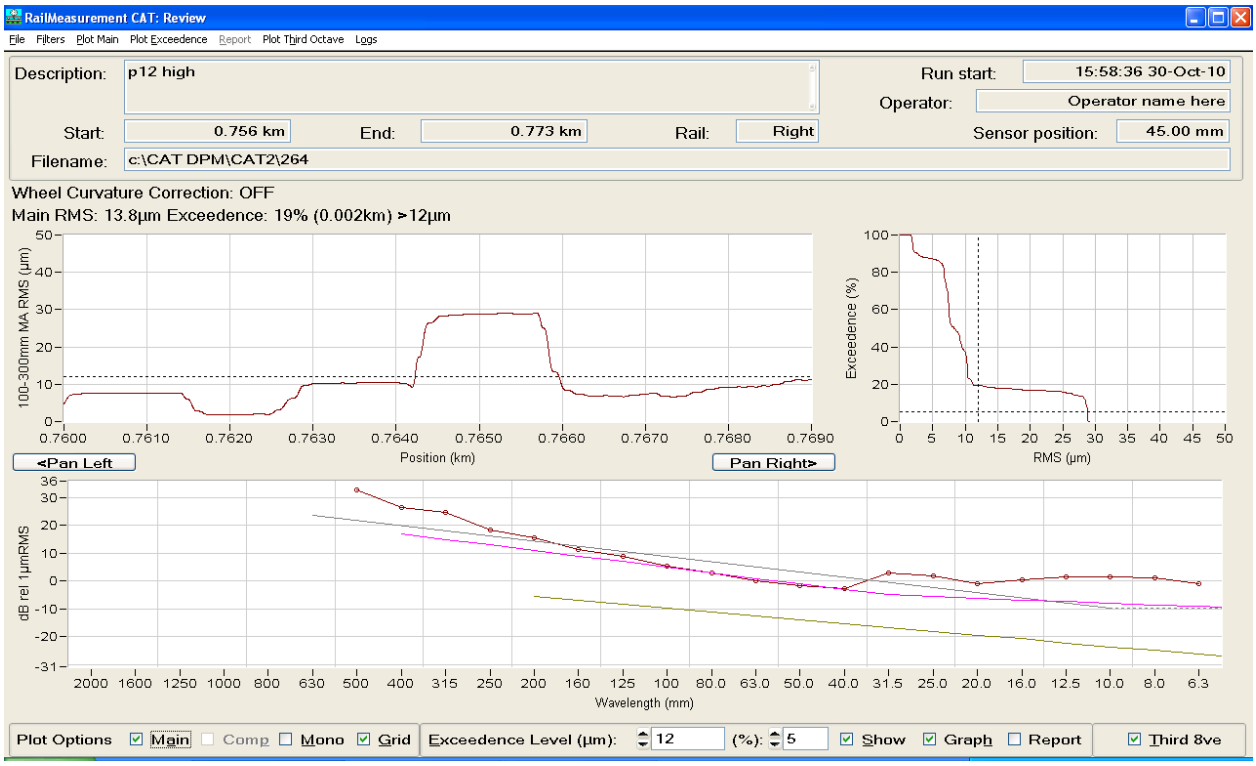

Figure 41 Curve p12 High Rail

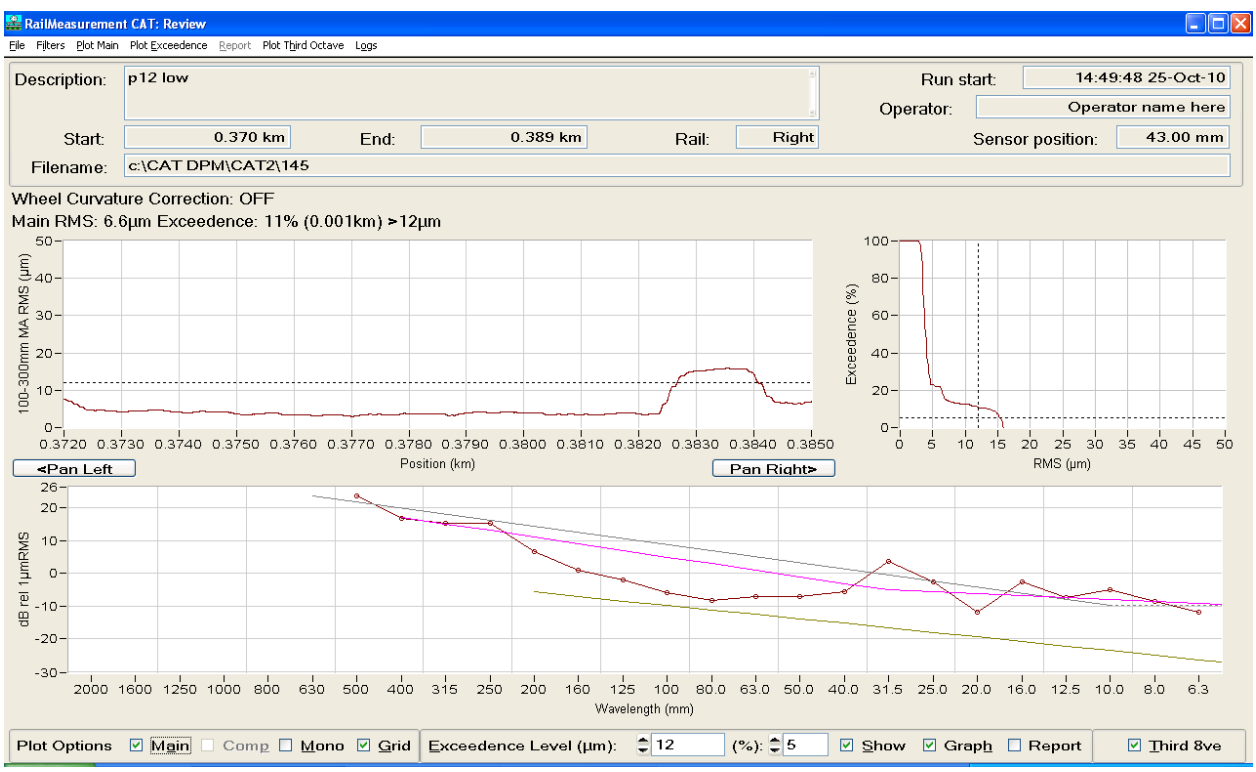

Figure 42 Curve p12 Low Rail

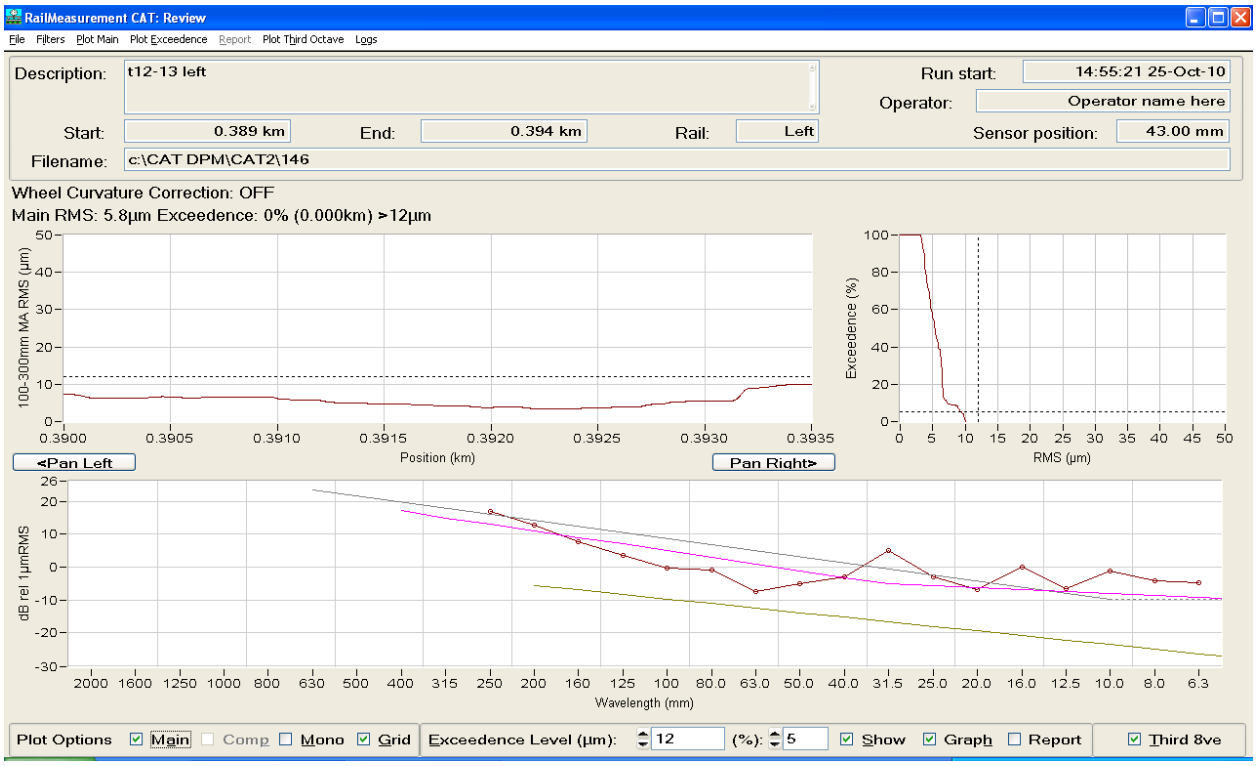

Figure 43 Tangent 12-13 Left Rail

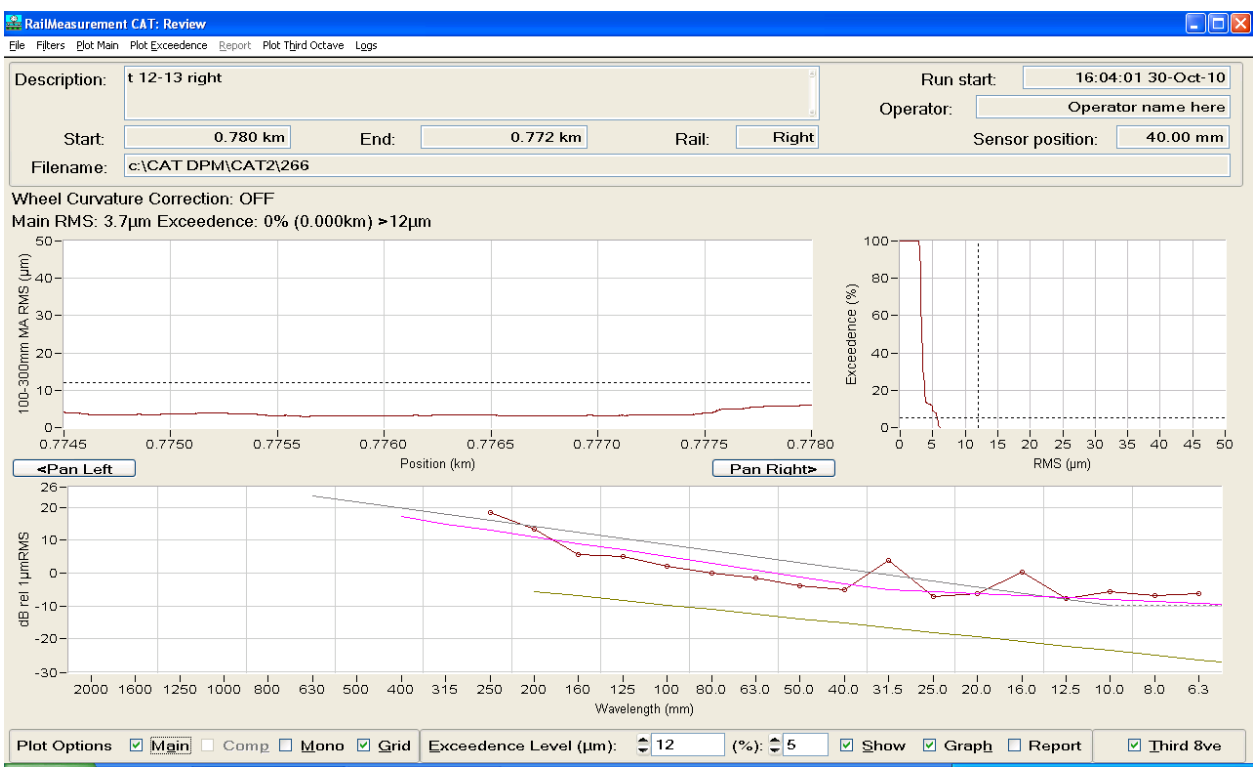

Figure 44 Tangent 12-13 Right Rail

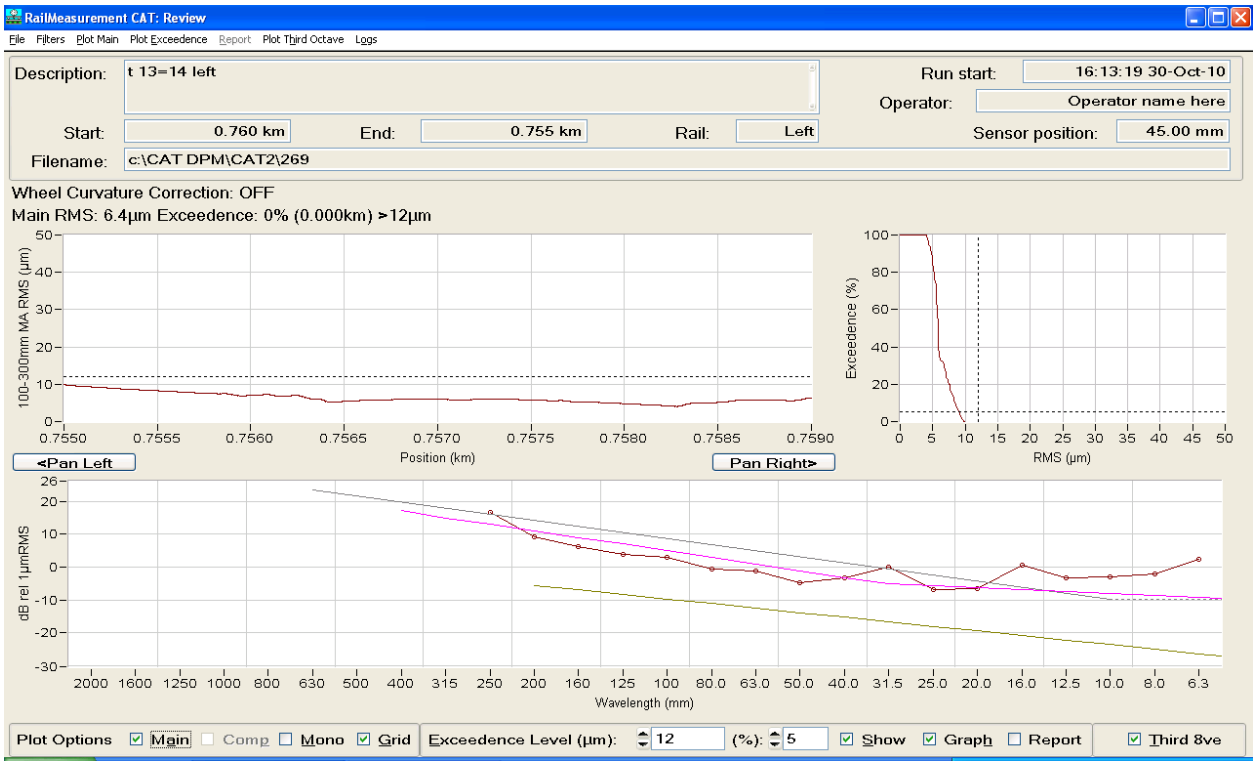

Figure 45 Tangent 13-14 Left Rail

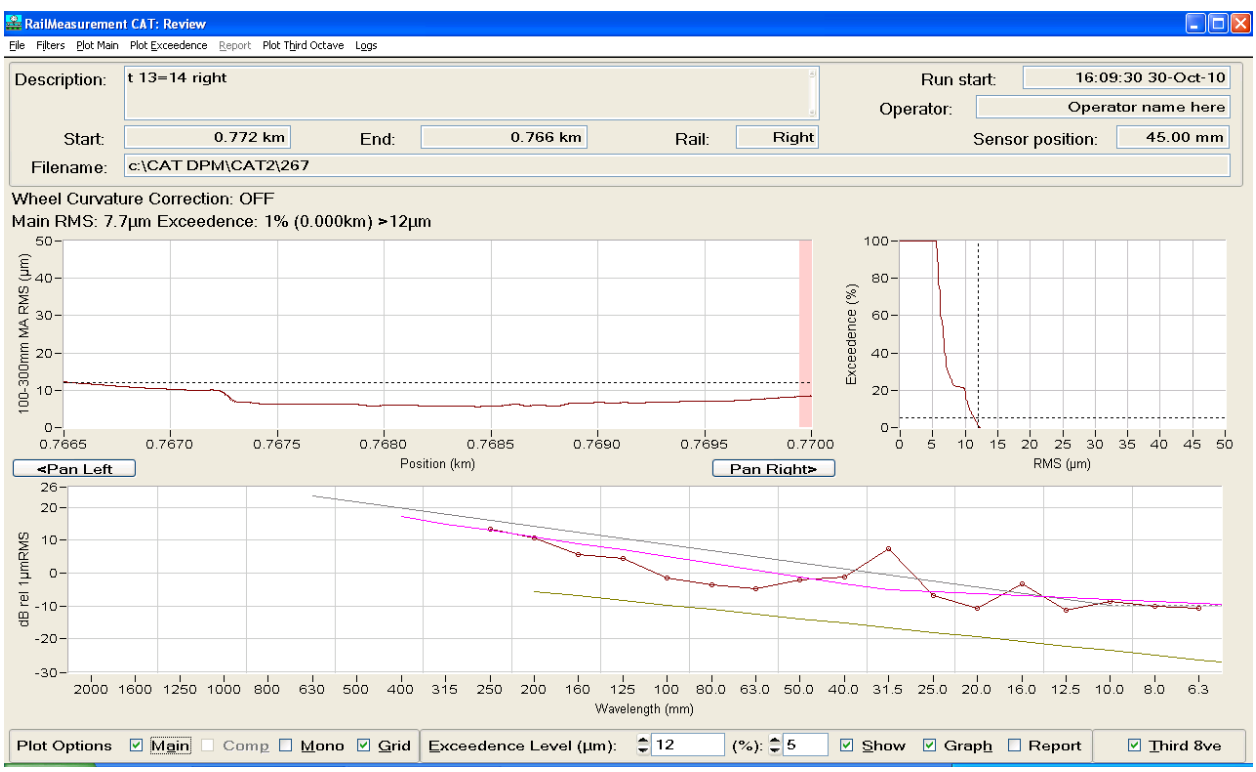

Figure 46 Tangent 13-14 Right Rail

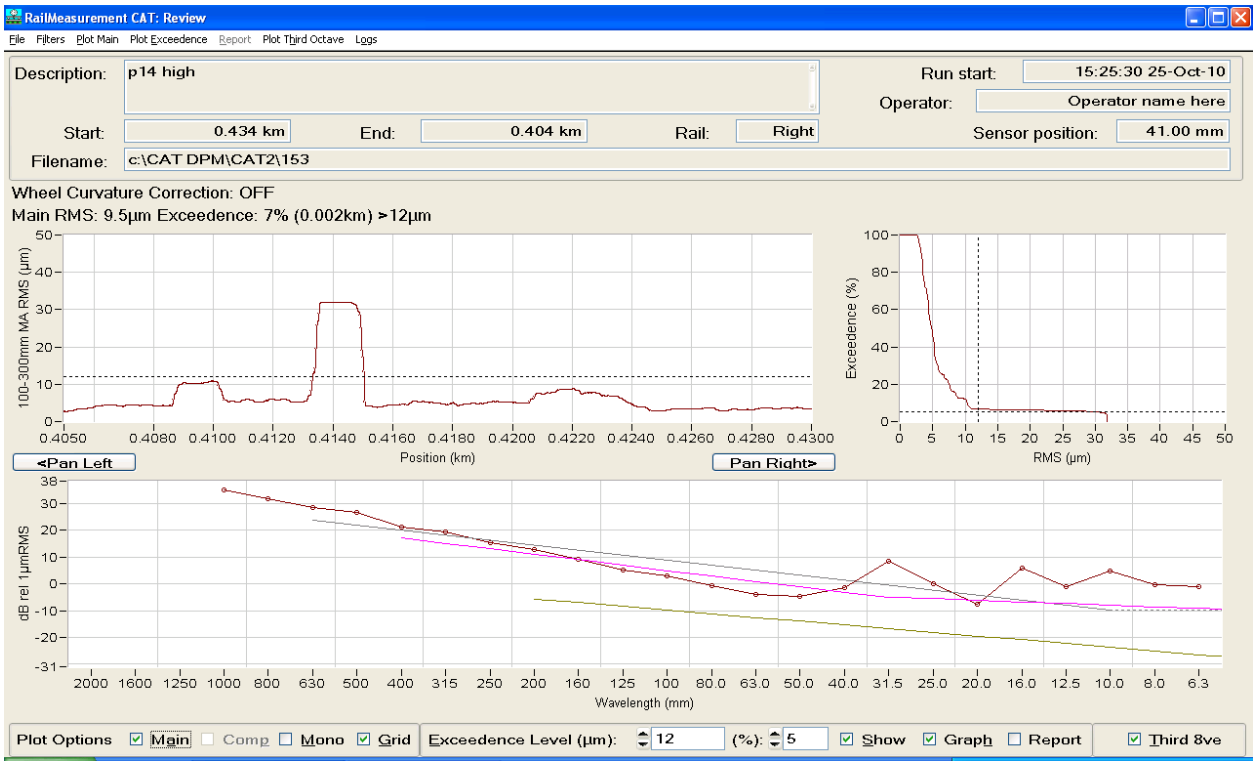

Figure 47 Curve p14 High Rail

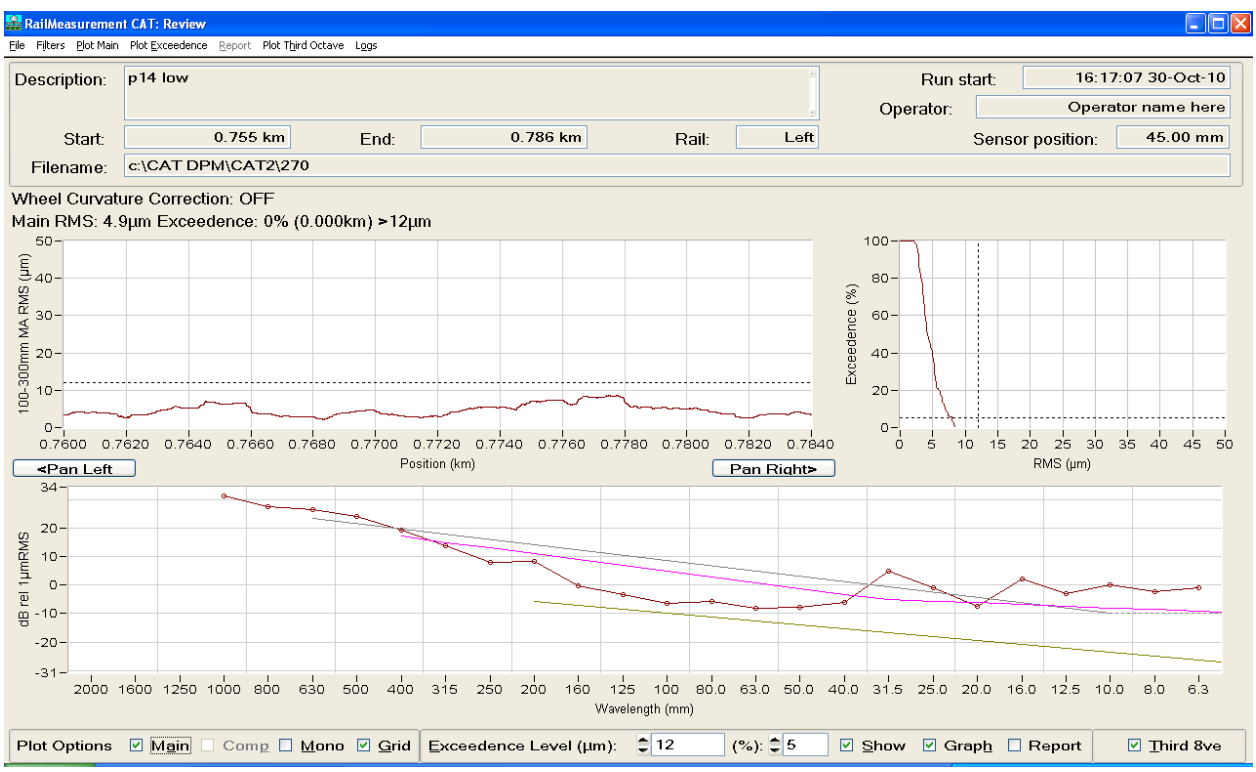

Figure 48 Curve p14 Low Rail

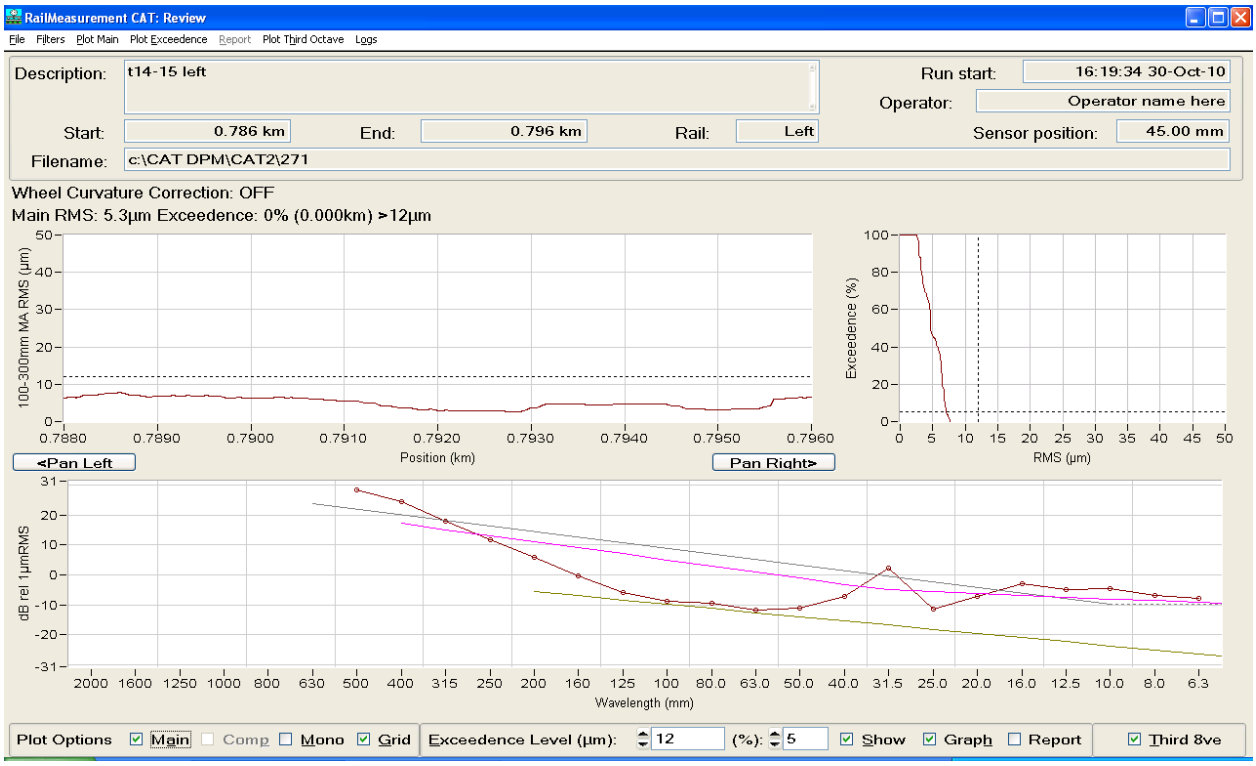

Figure 49 Tangent 14-15 Left Rail

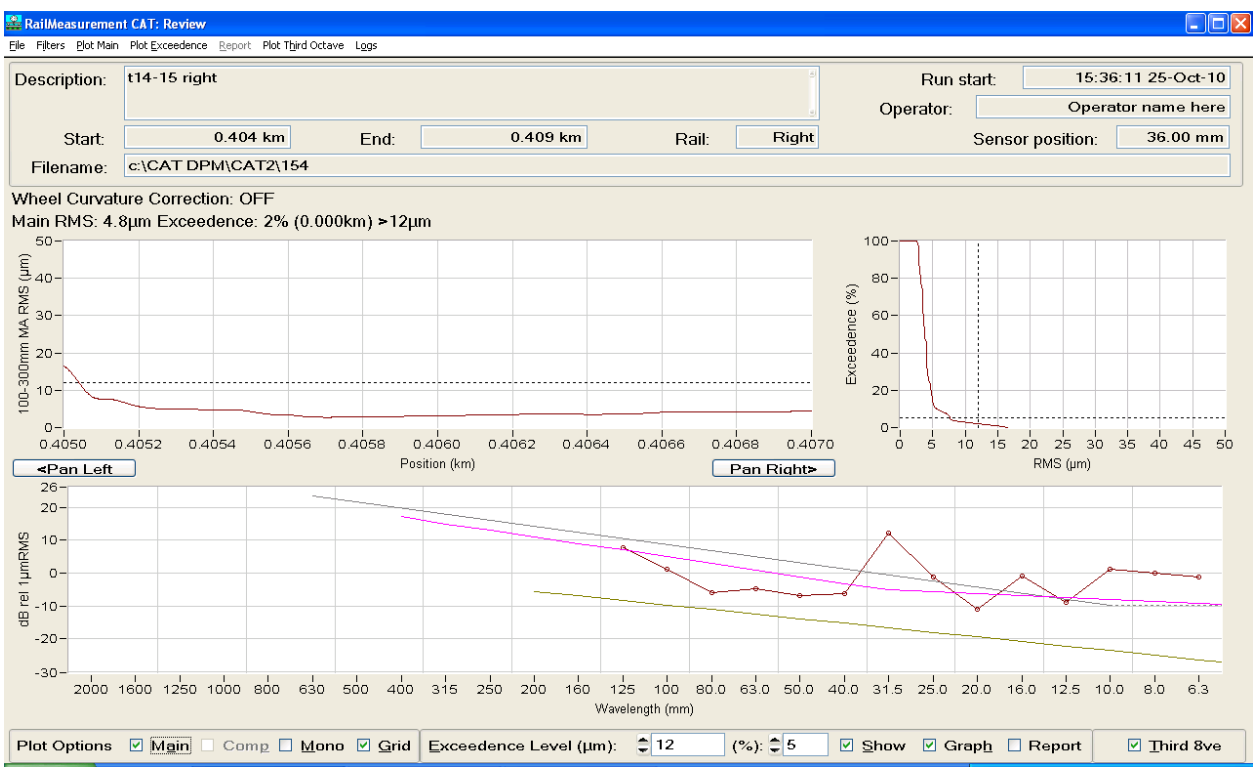

Figure 50 Tangent 14-15 Right Rail

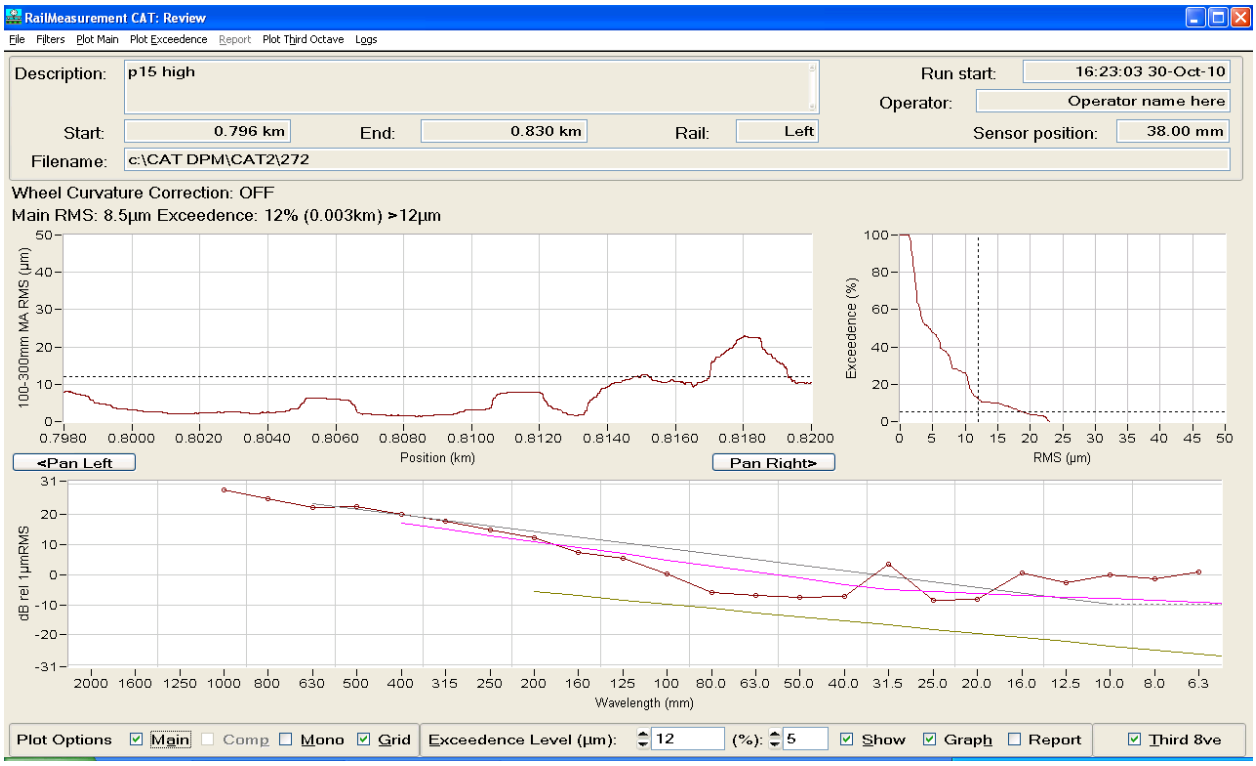

Figure 51 Curve p15 High Rail

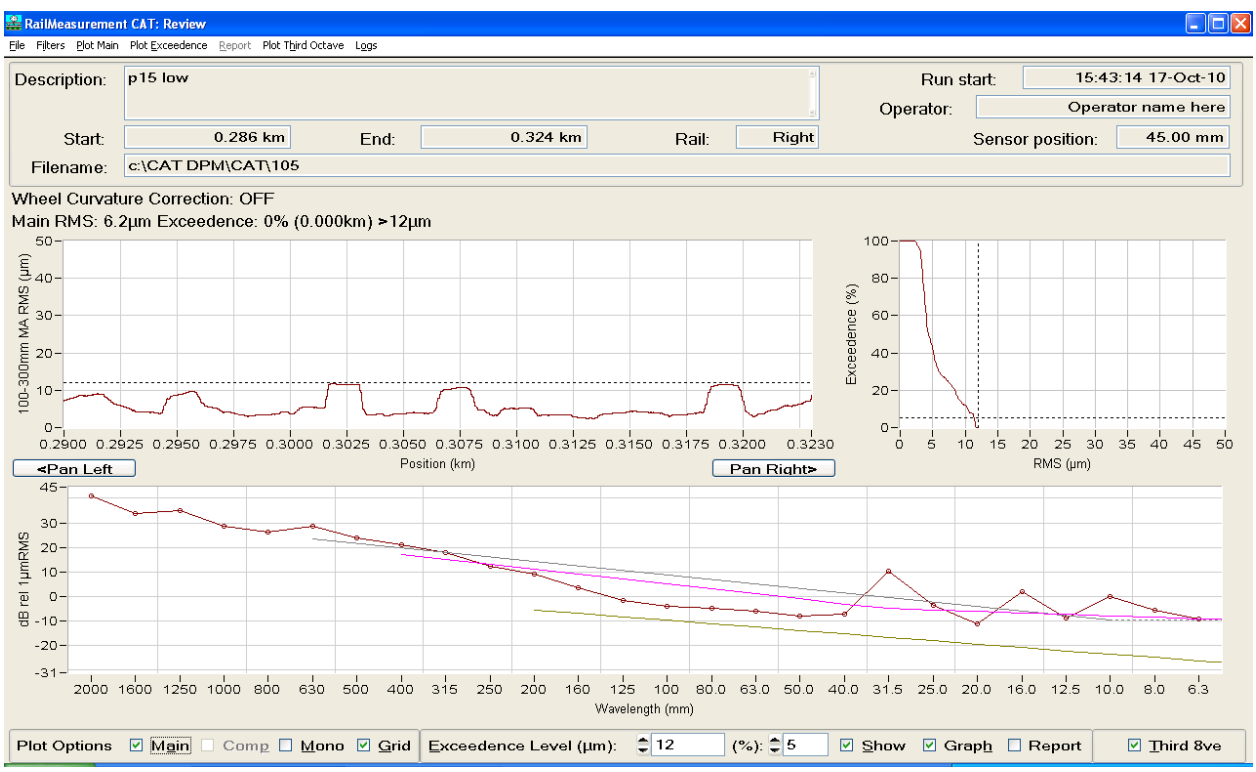

Figure 52 Curve p15 Low Rail

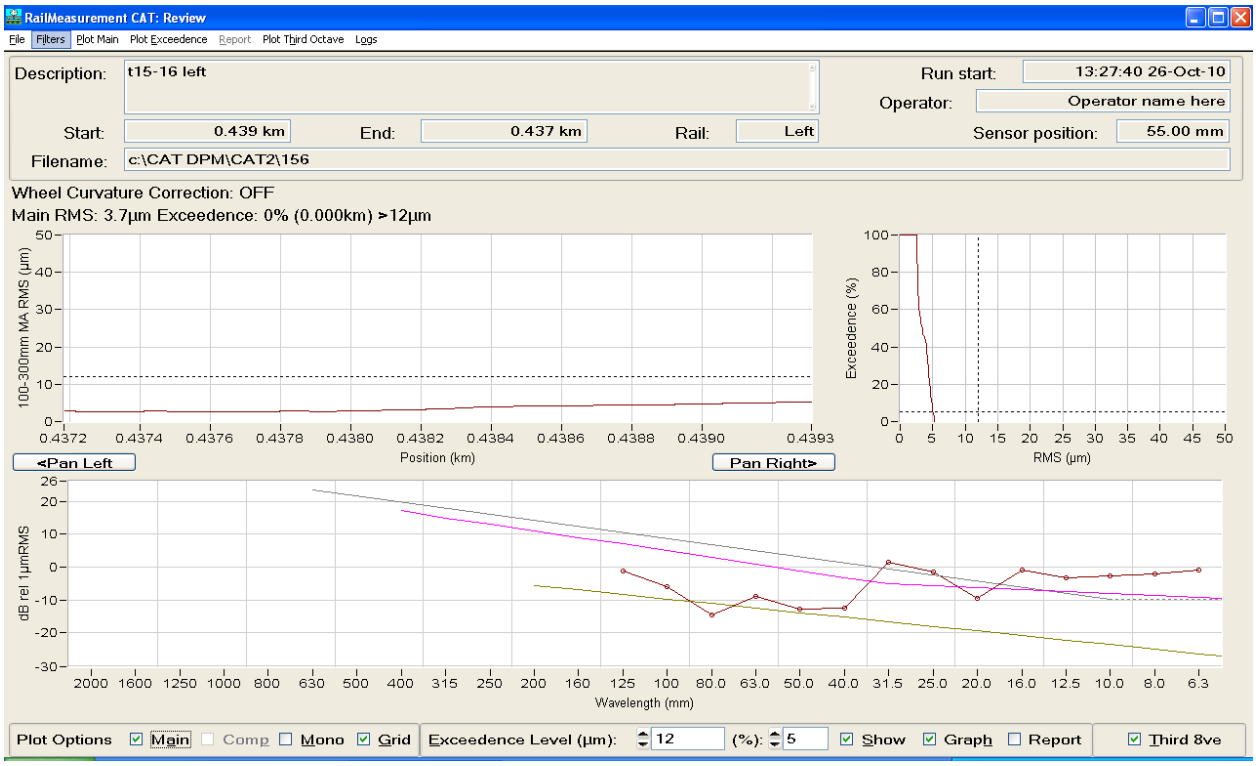

Figure 53 Tangent 15-16 Left Rail

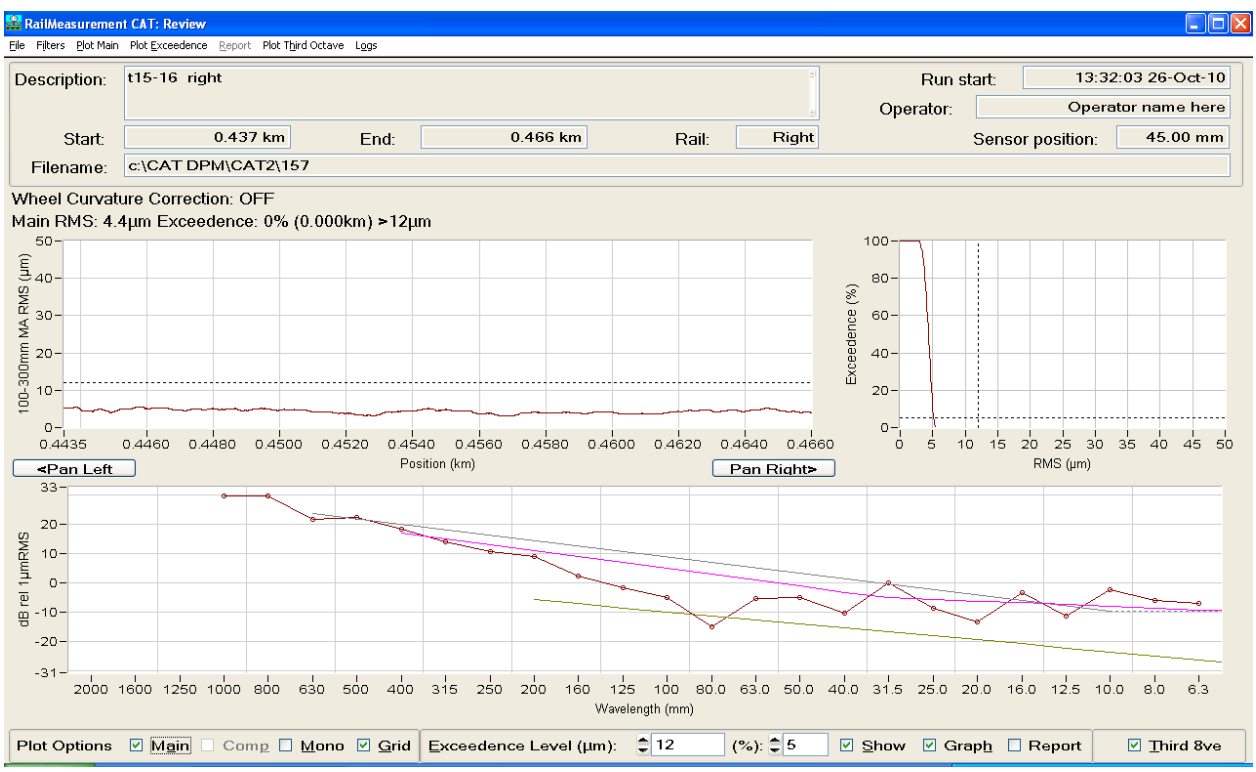

Figure 54 Tangent 15-16 Right Rail

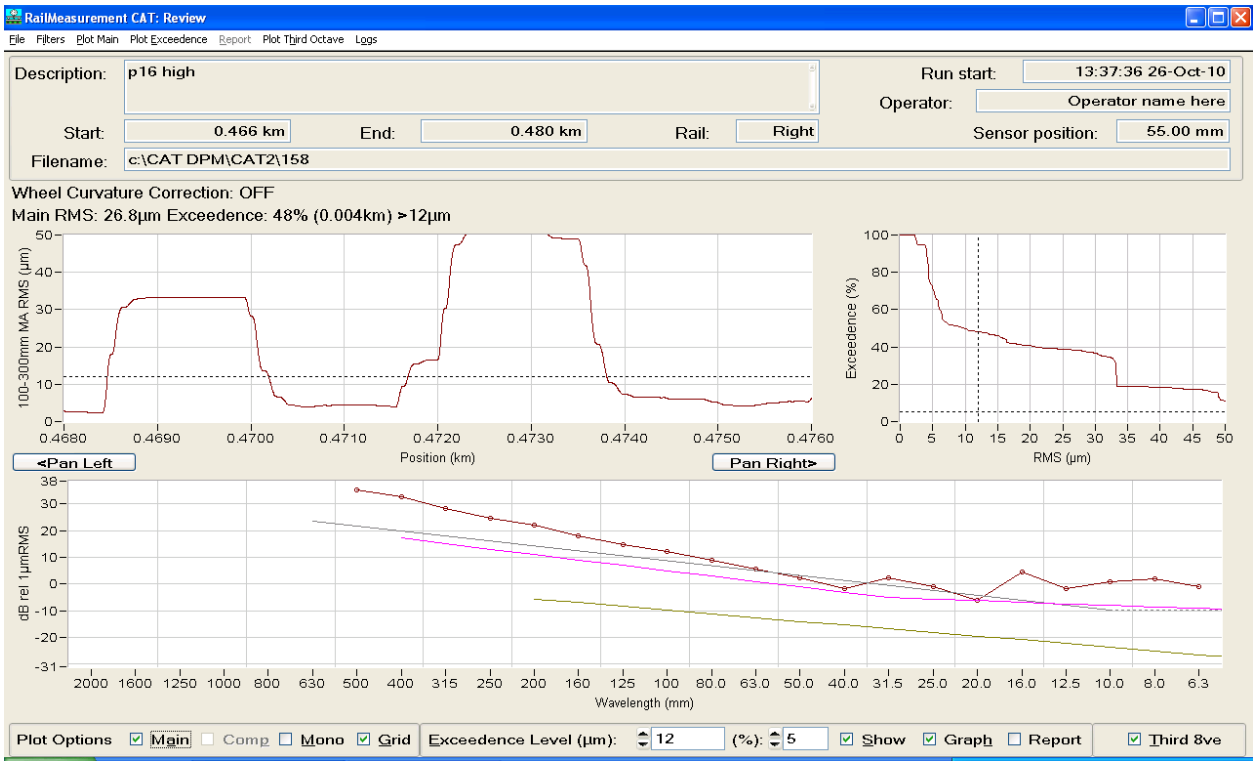

Figure 55 Curve p16 High Rail

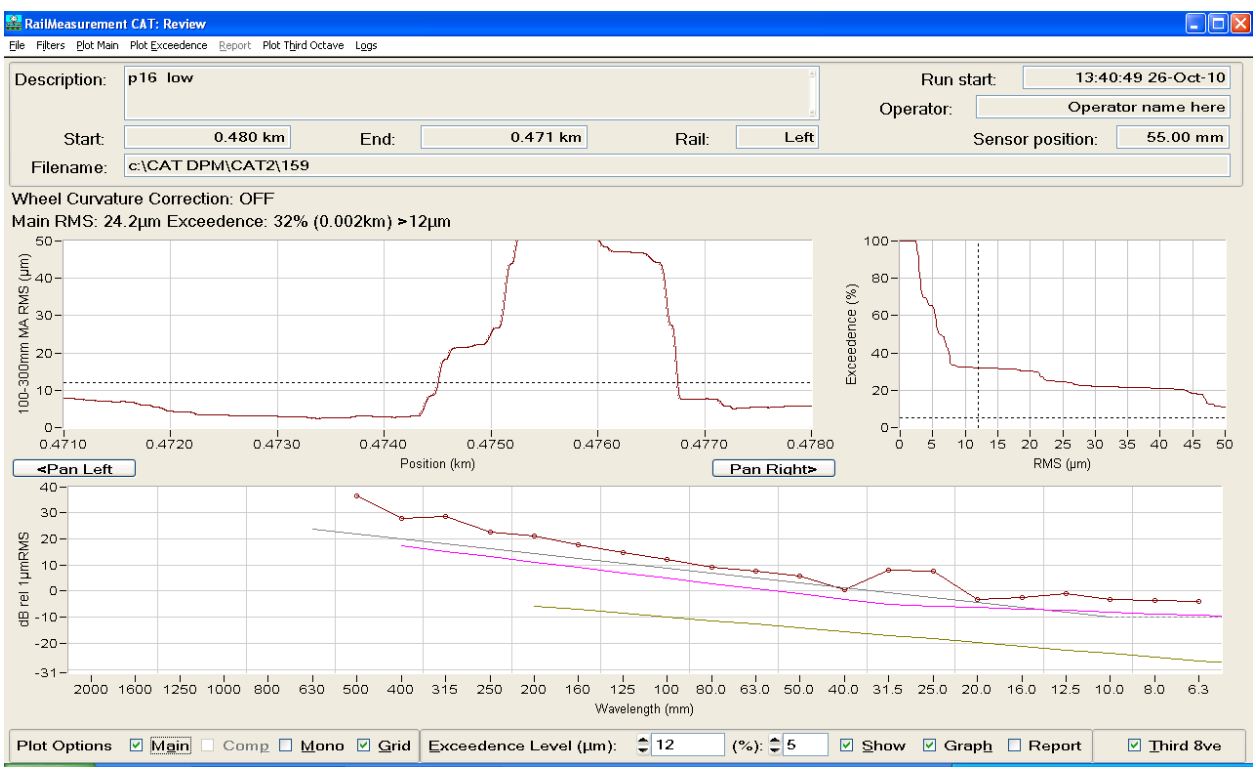

Figure 56 Curve p16 Low Rail

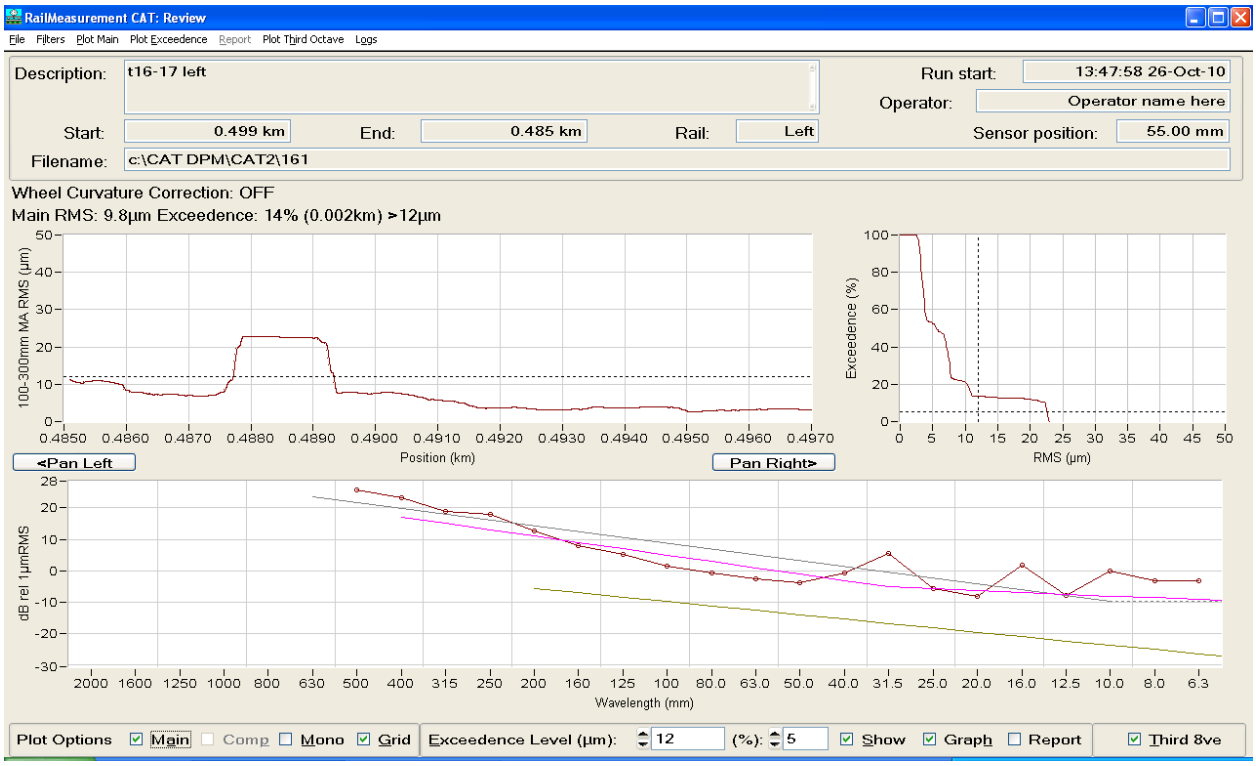

Figure 57 Tangent 16-17 Left Rail

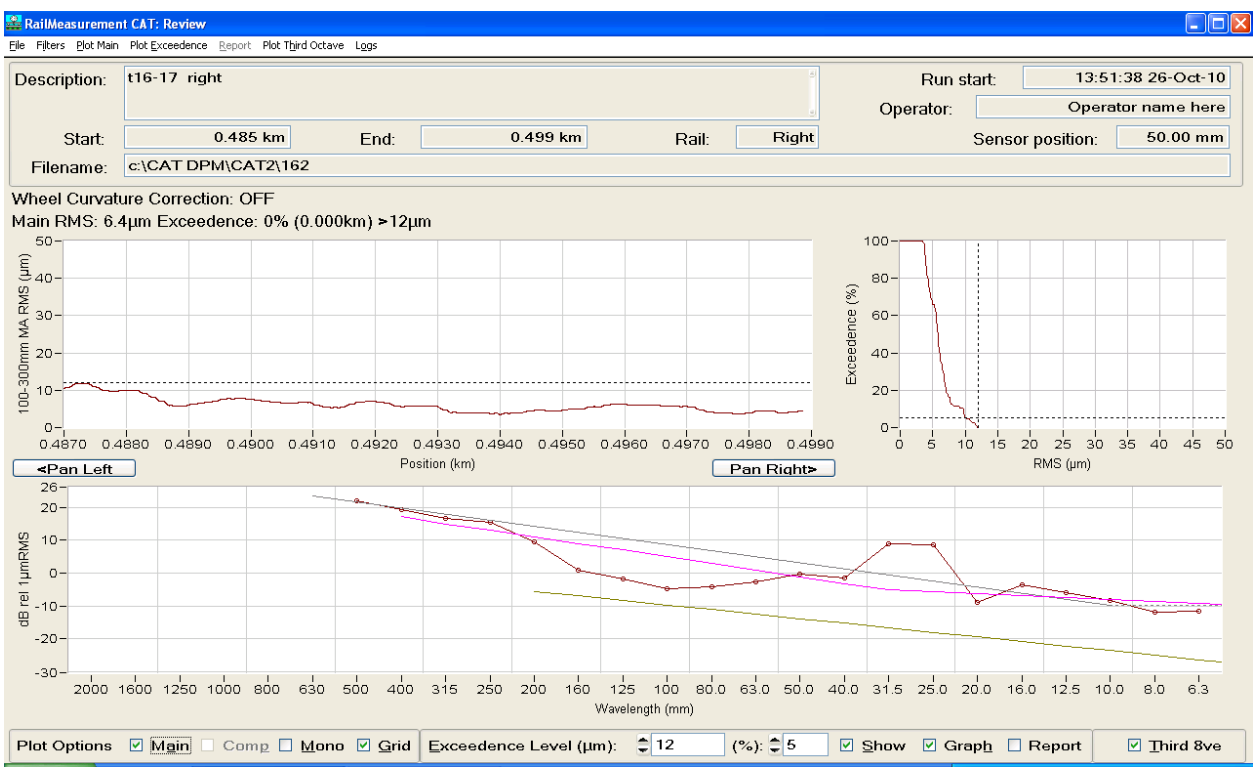

Figure 58 Tangent 16-17 Right Rail

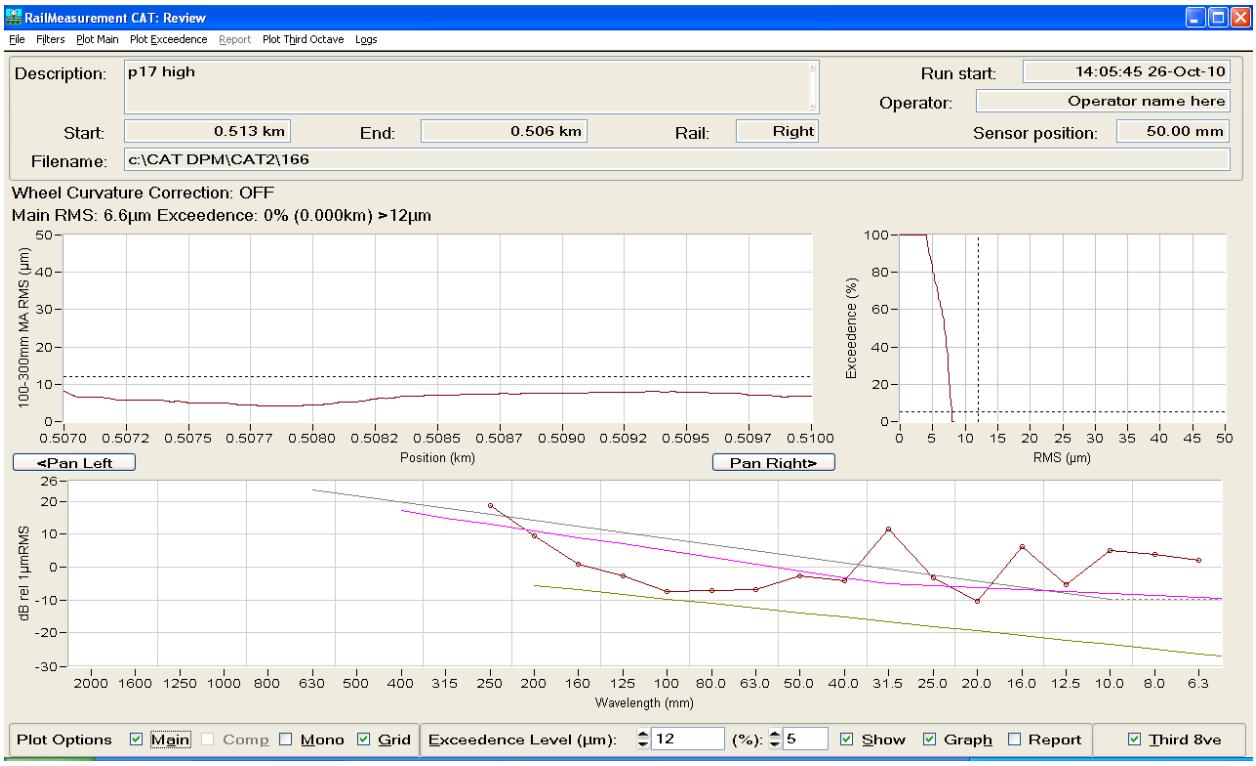

Figure 59 Curve p17 High Rail

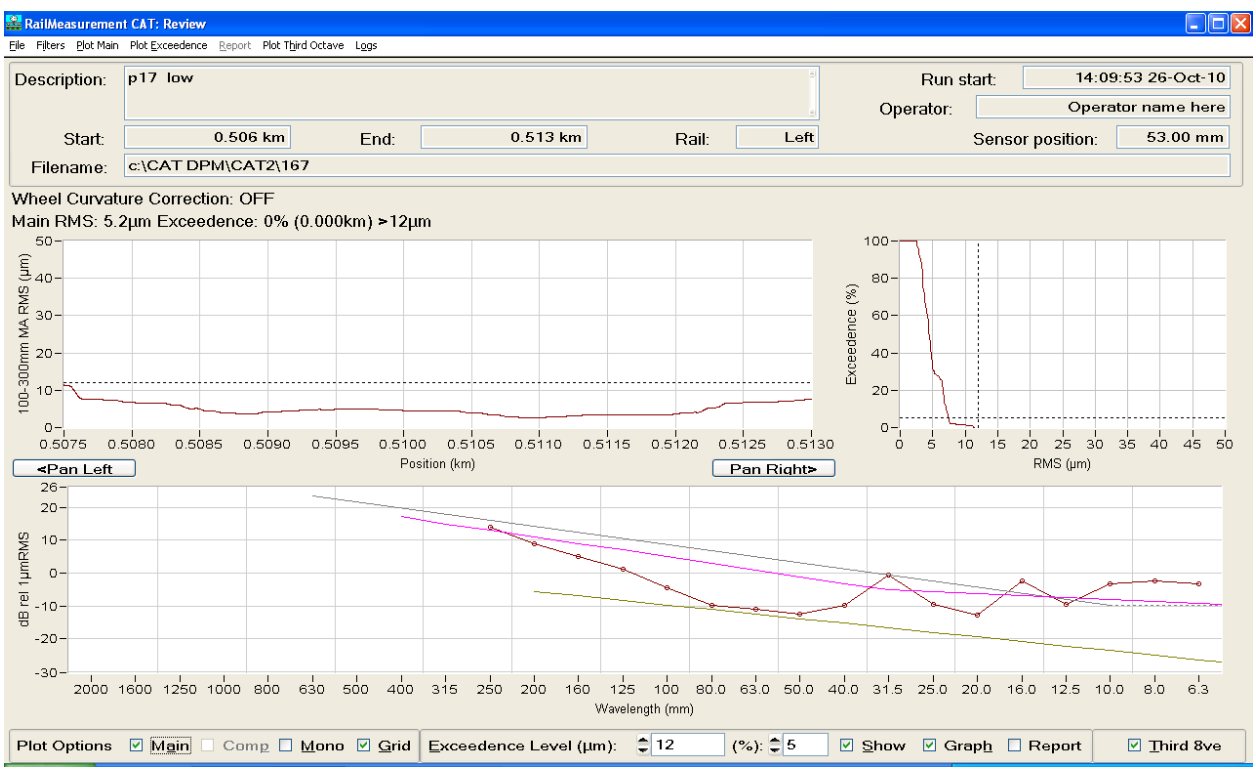

Figure 60 Curve p17 Low Rail

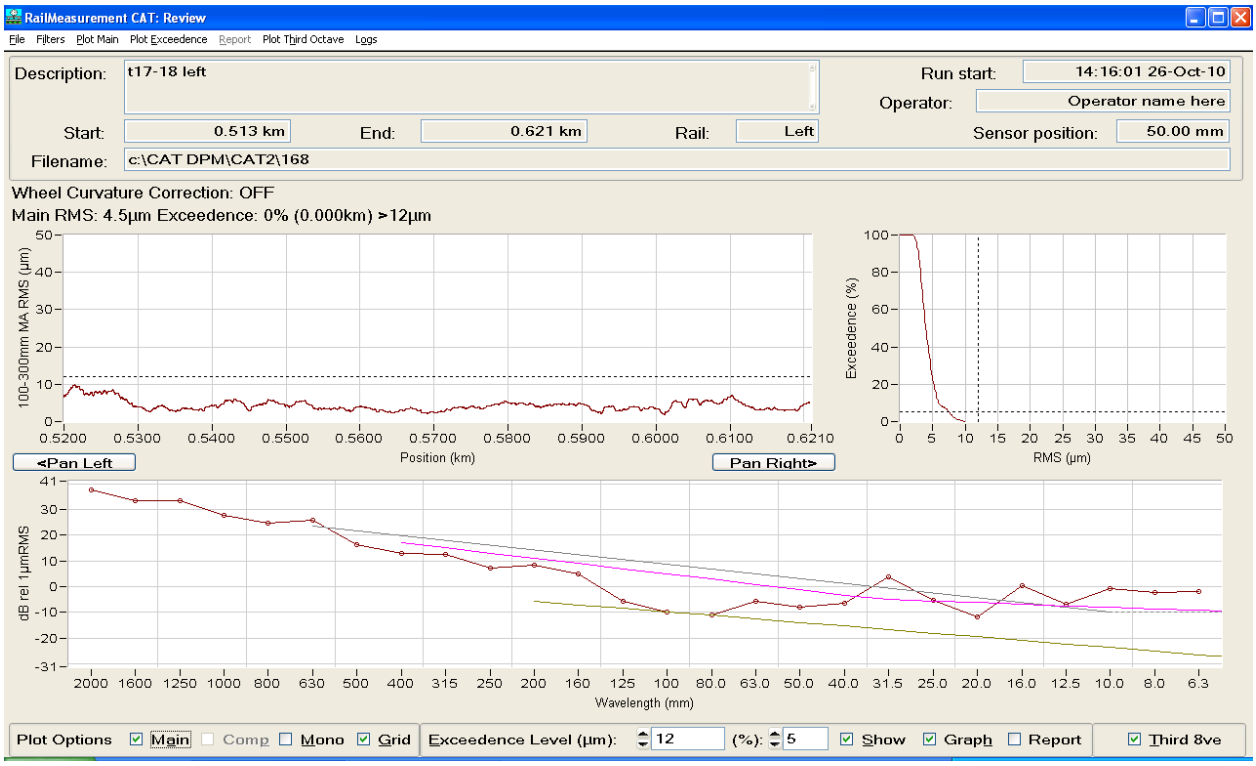

Figure 61 Tangent 17-18 Left Rail

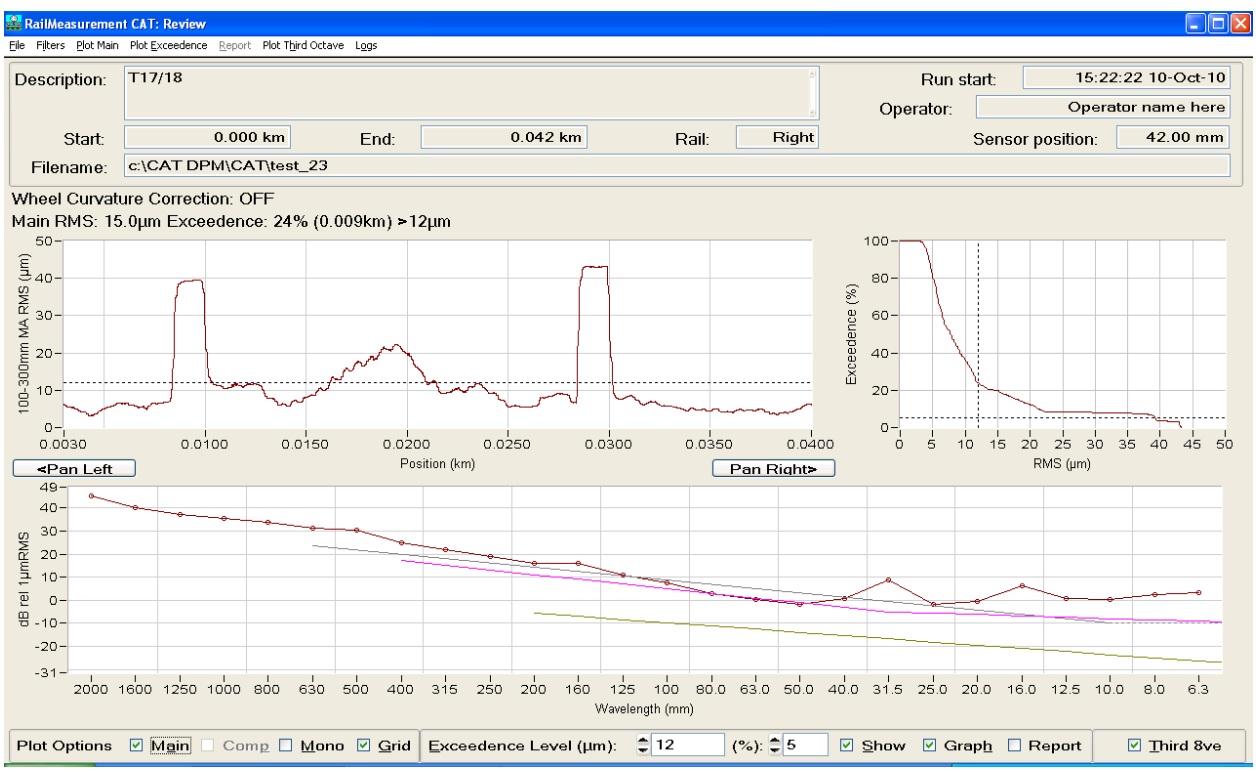

Figure 62 Tangent 17-18 Right Rail

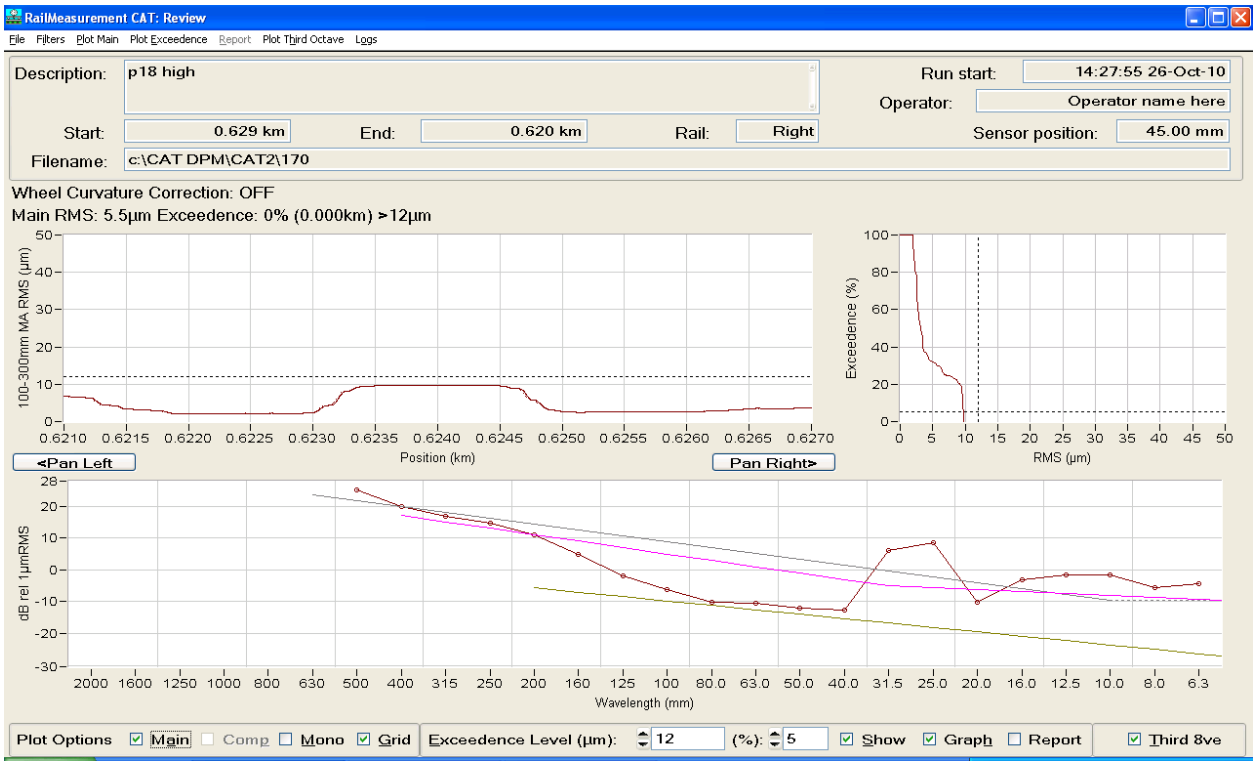

Figure 63 Curve p18 High Rail

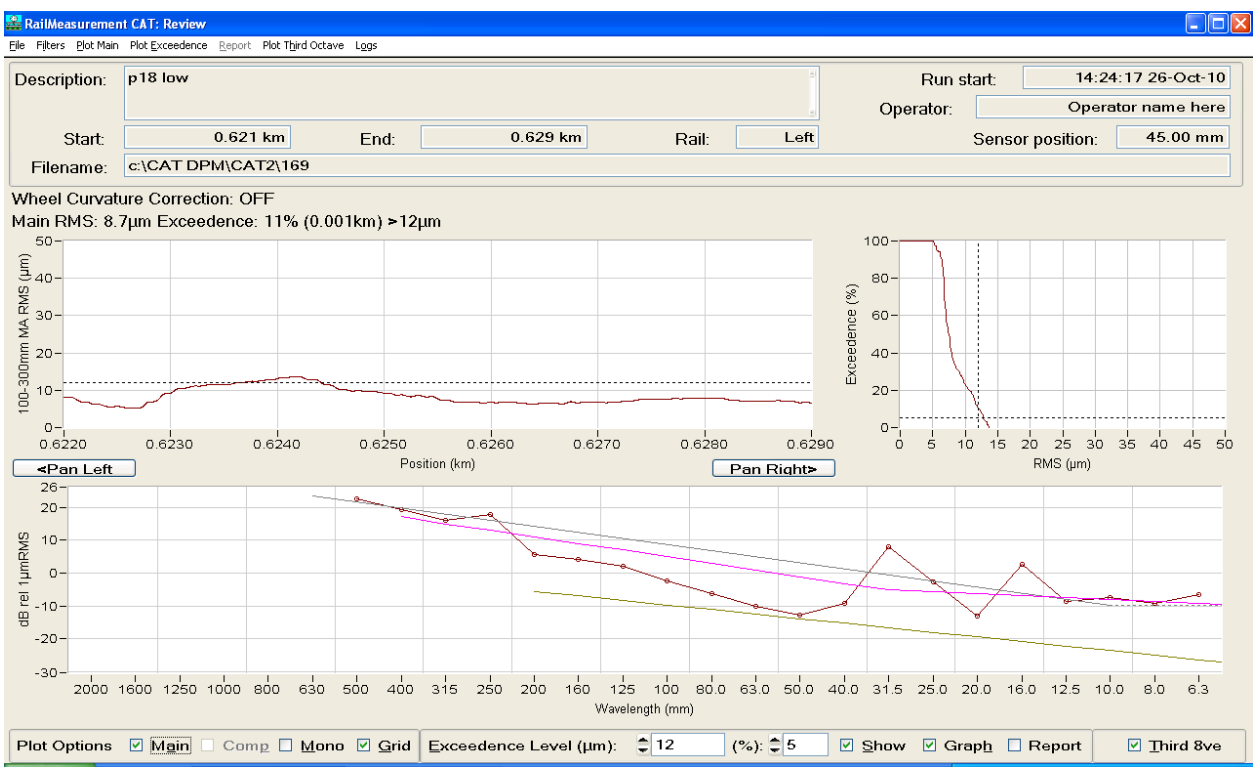

Figure 64 Curve p18 Low Rail

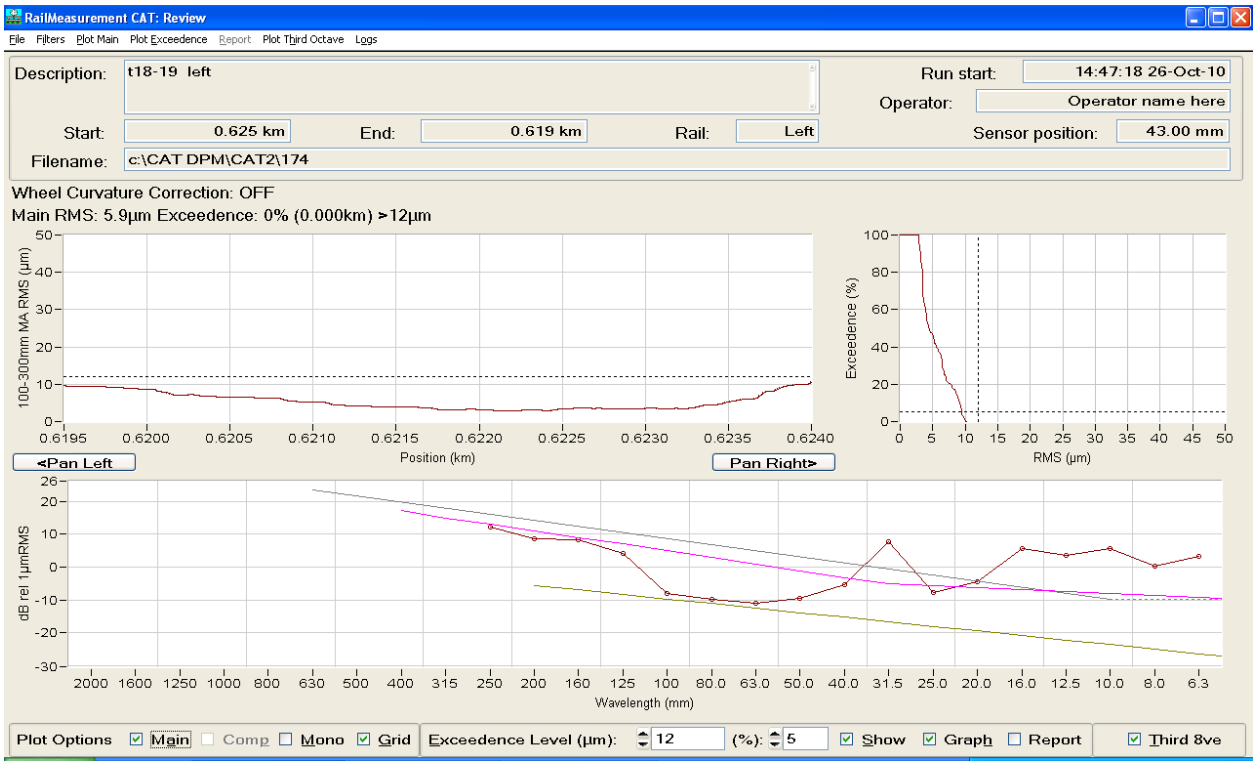

Figure 65 Tangent 18-19 Left Rail

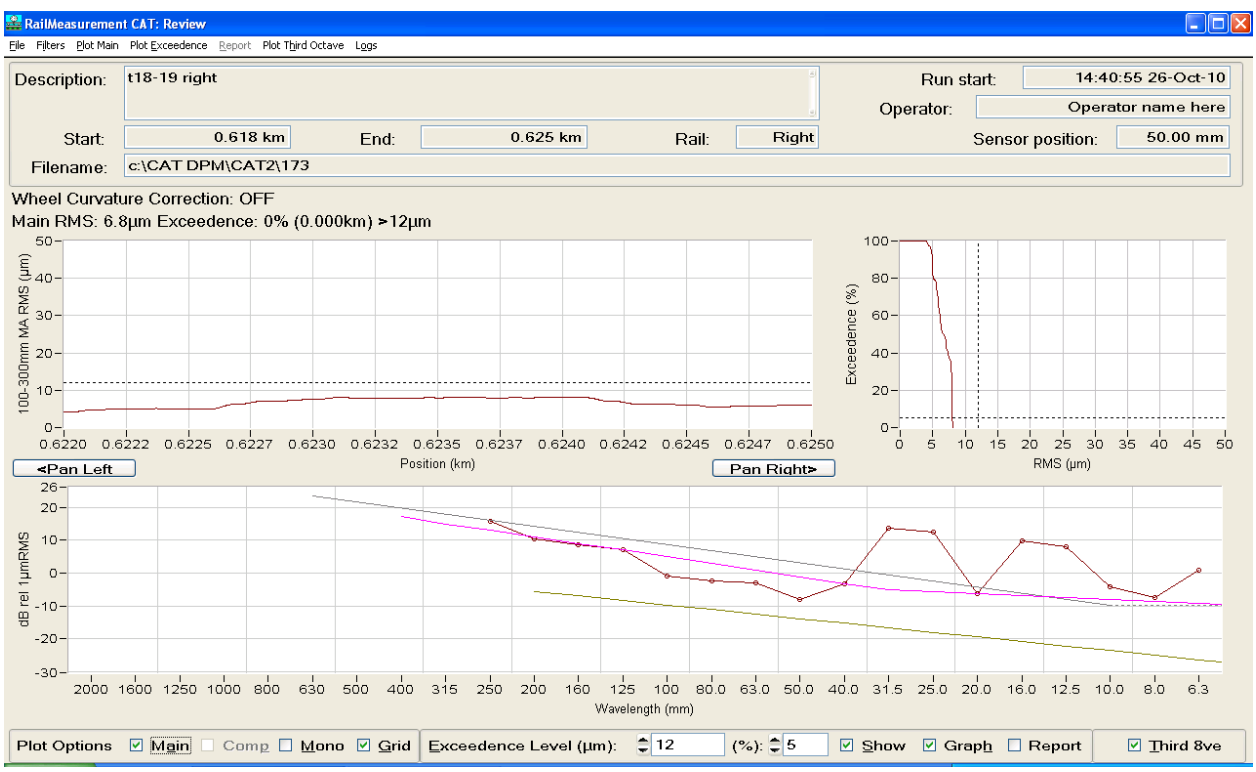

Figure 66 Tangent 18-19 Right Rail

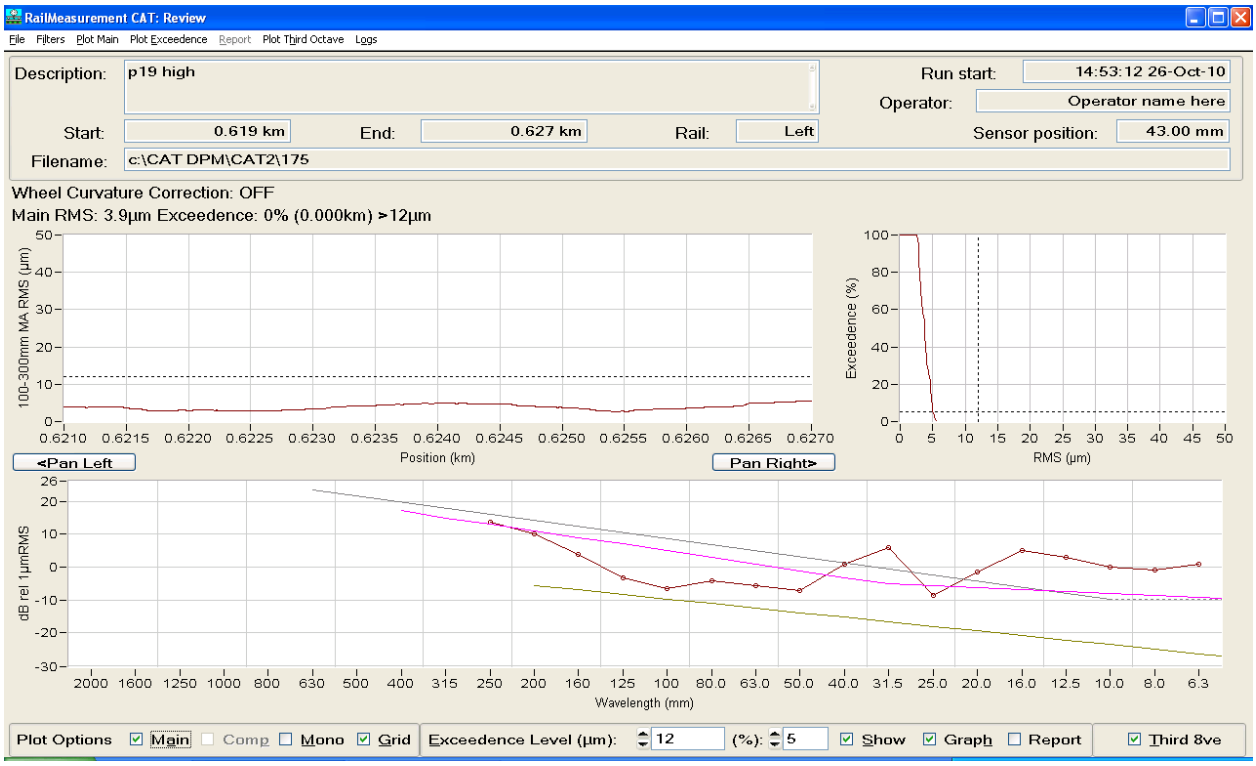

Figure 67 Curve p19 High Rail

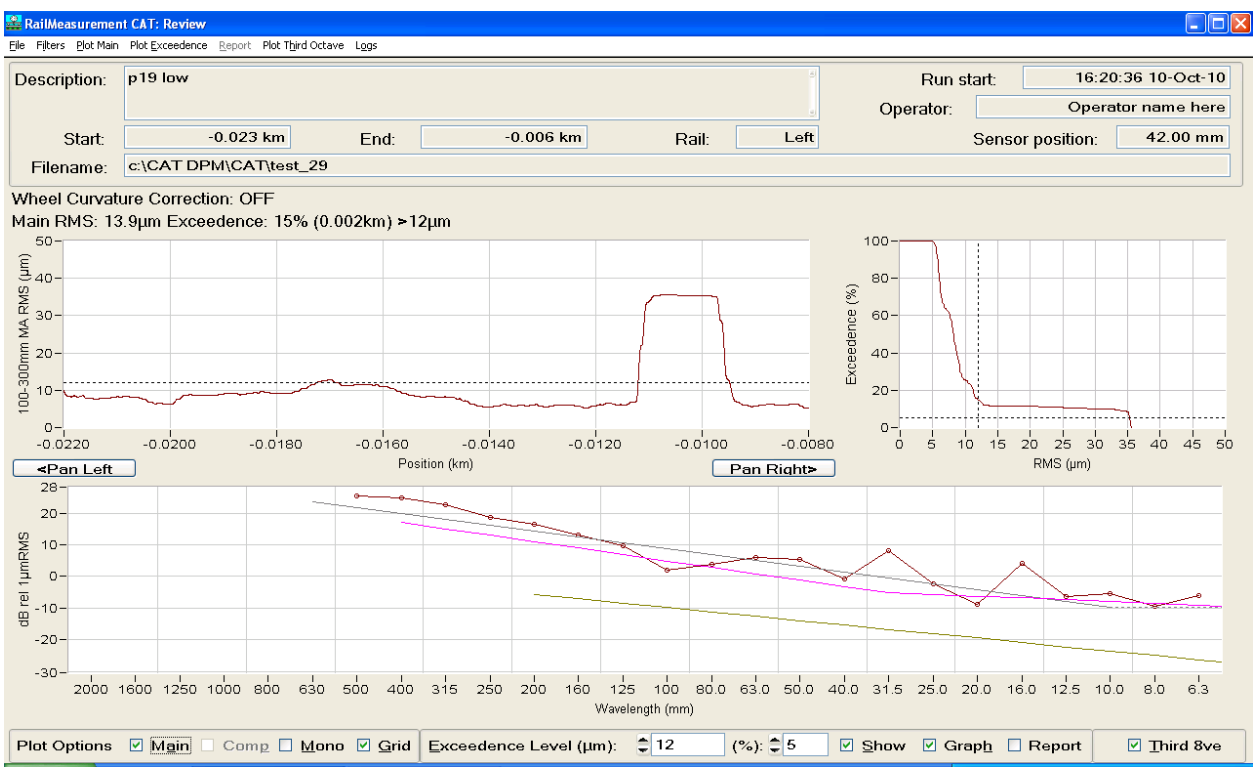

Figure 68 Curve p19 Low Rail

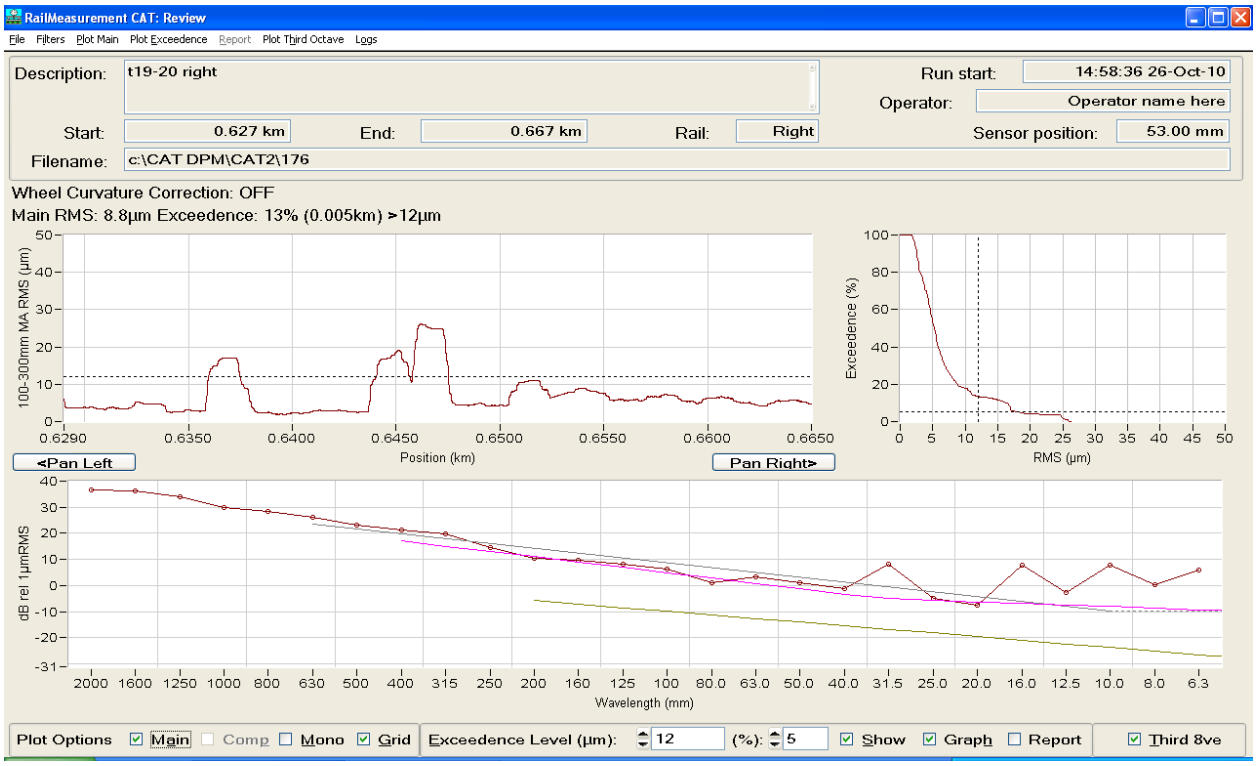

Figure 69 Tangent 19-20 Right

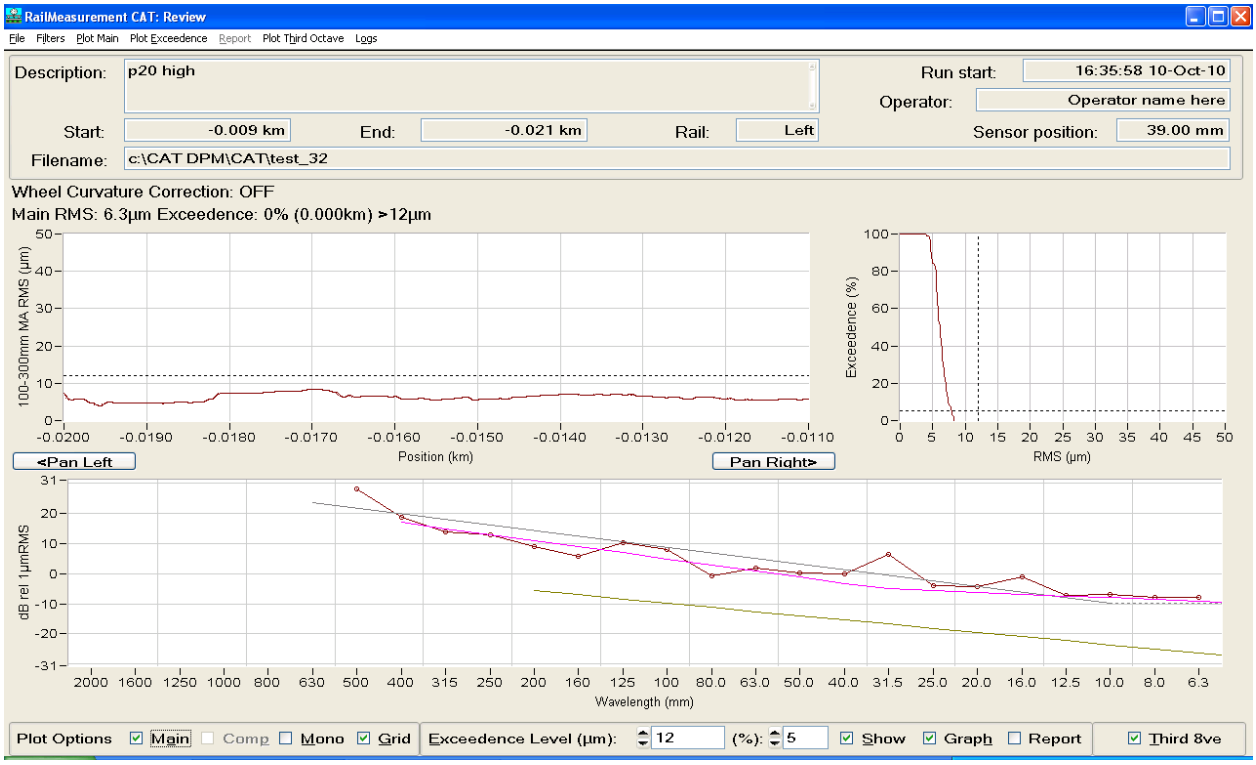

Figure 70 Curve p20 High Rail

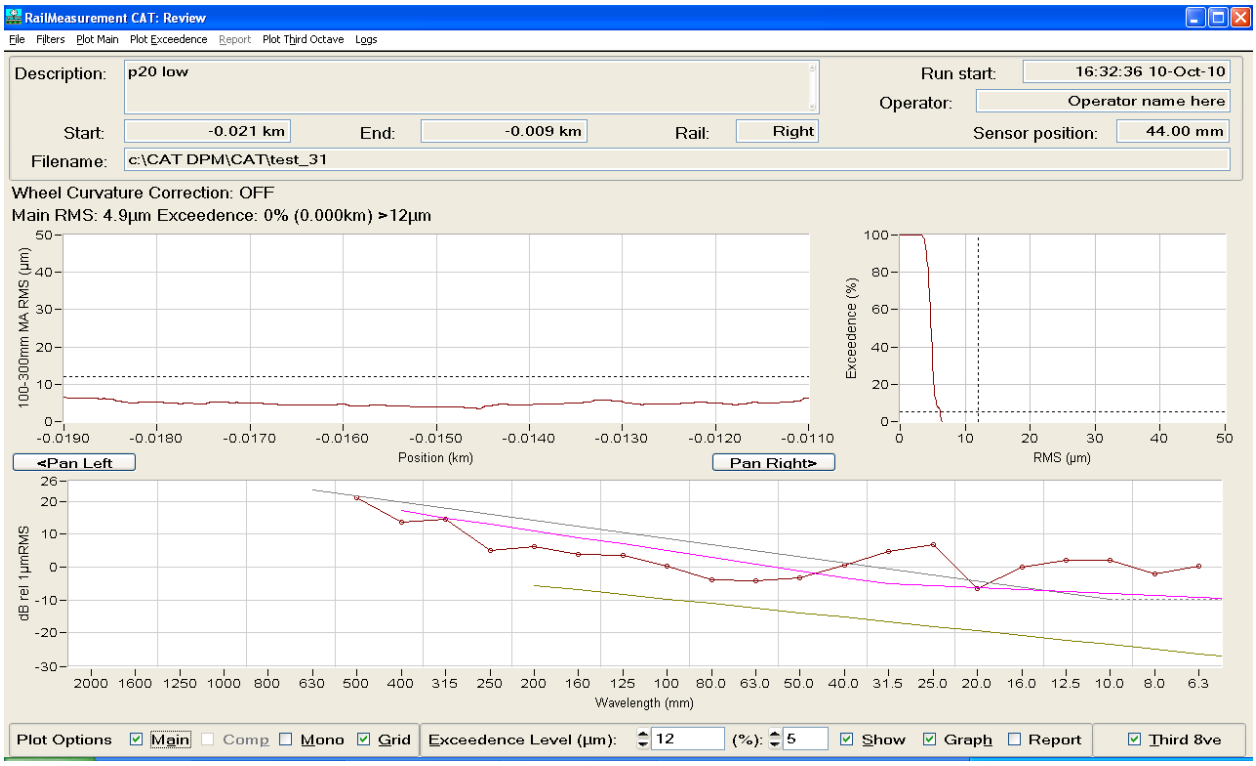

Figure 71 Curve p20 Low Rail

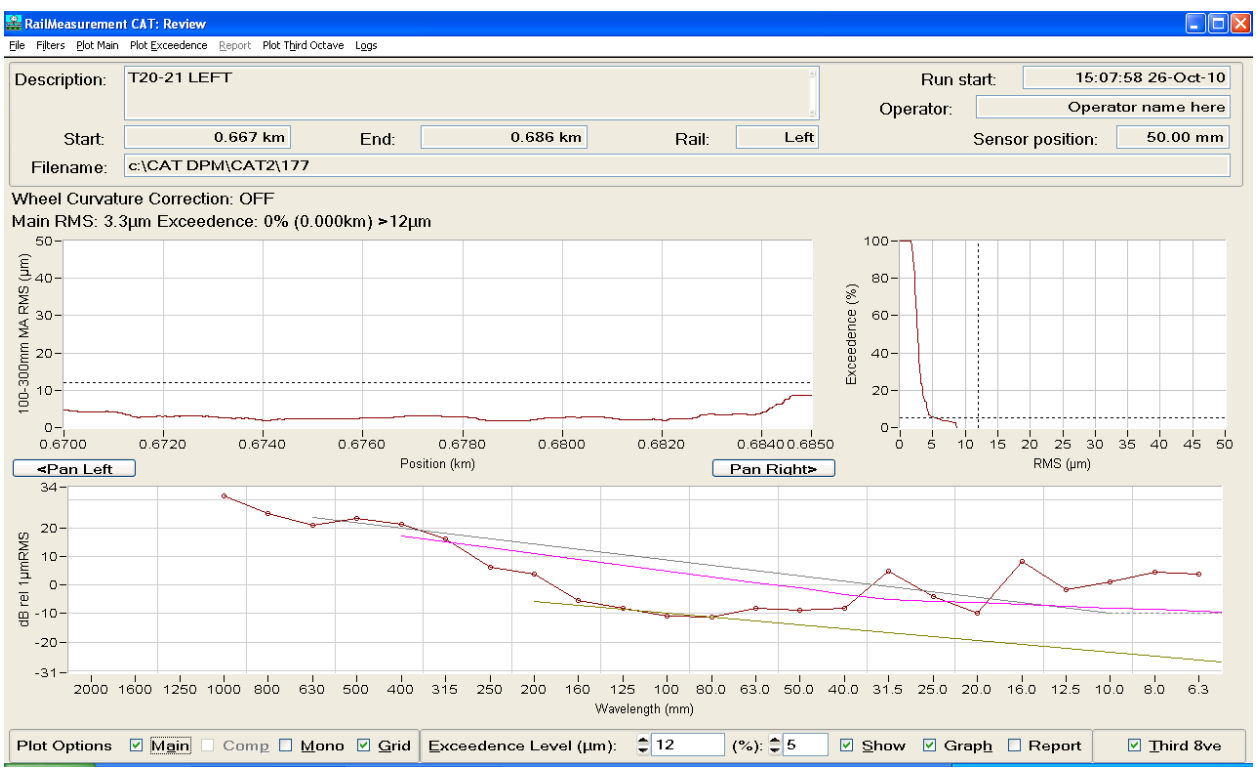

Figure 72 Tangent 20-21 Left Rail

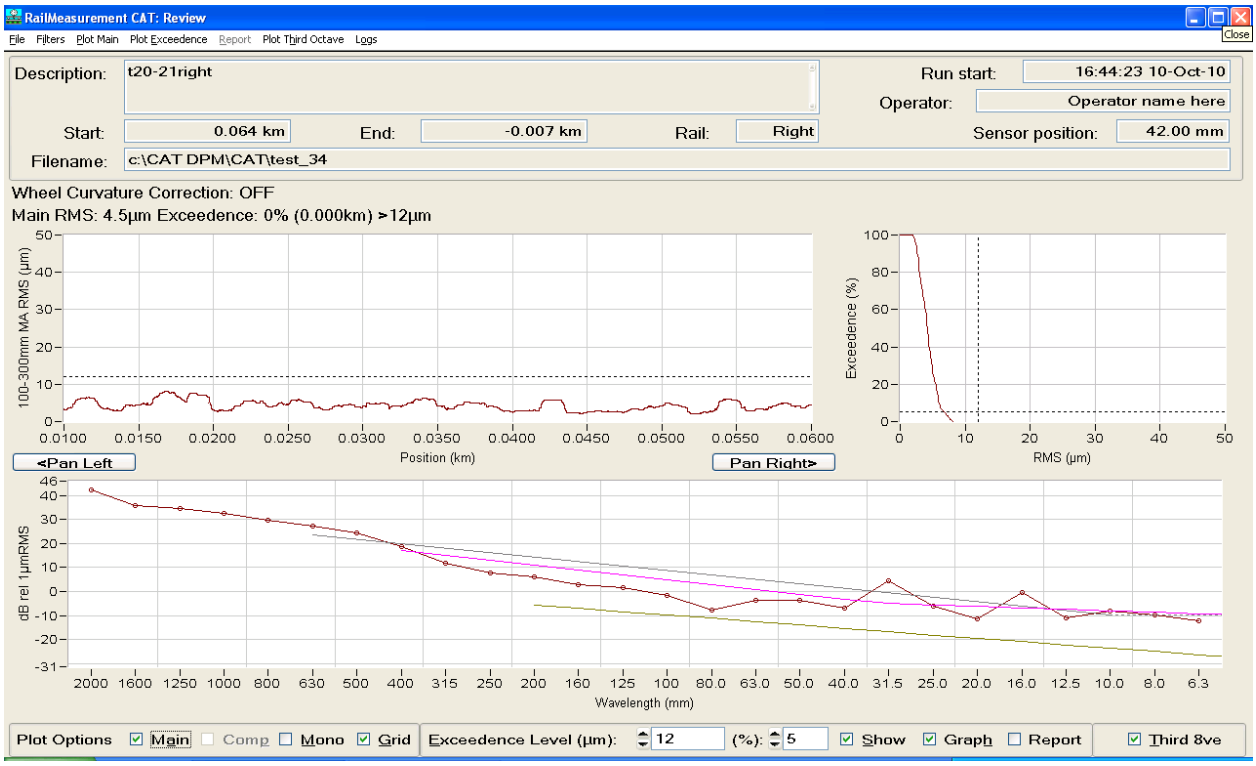

Figure 73 Tangent 20-21 Right Rail

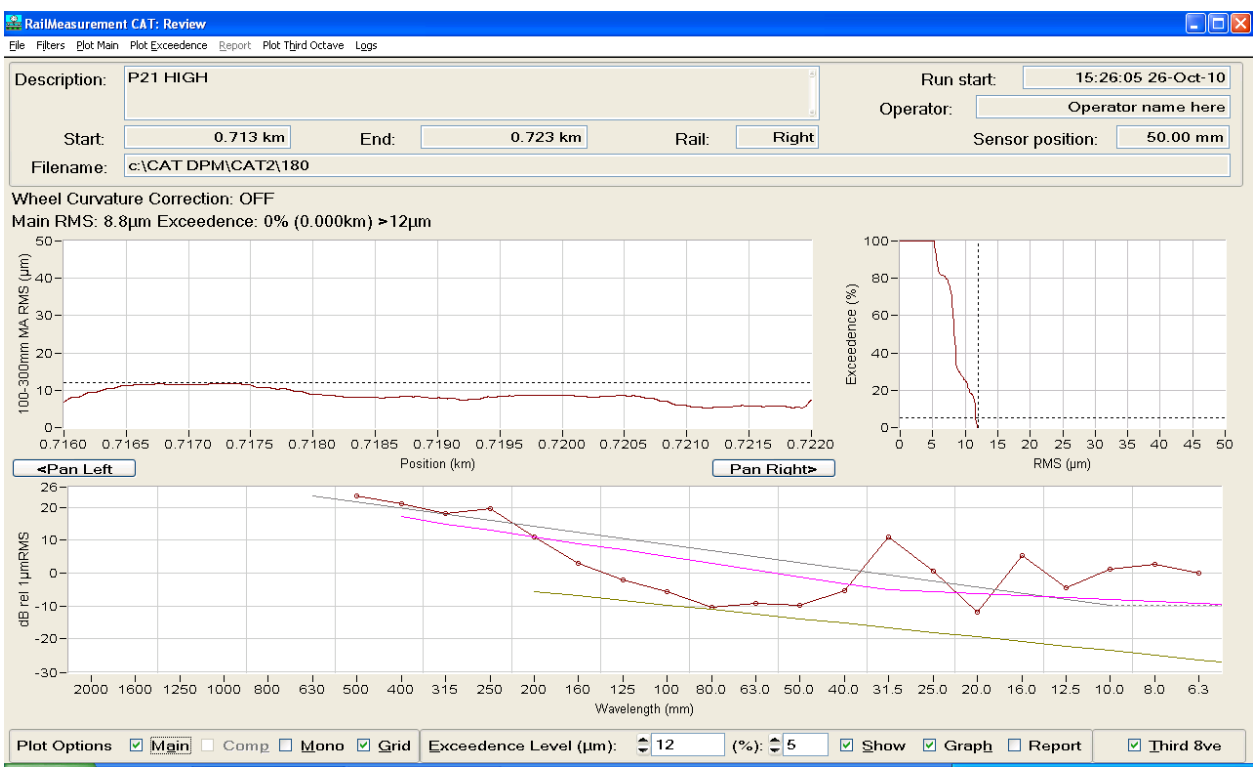

Figure 74 Curve p21 High Rail

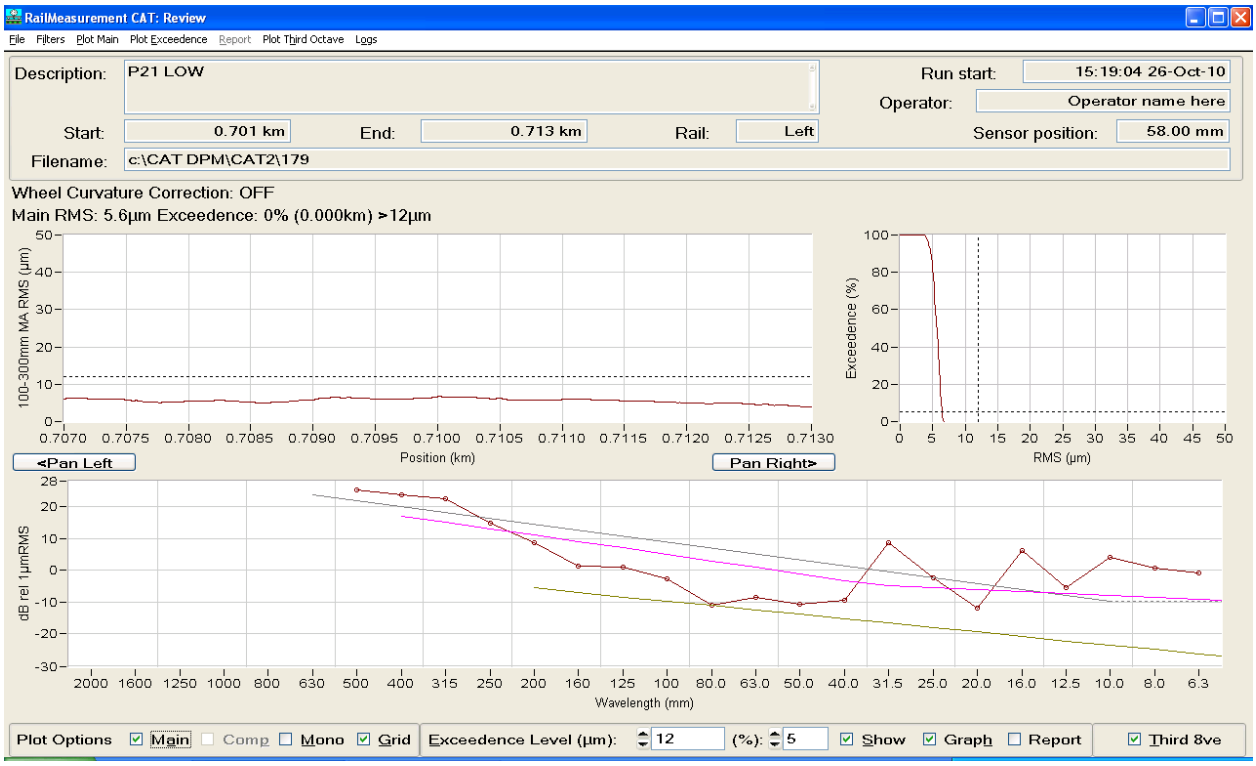

Figure 75 Curve p21 Low Rail

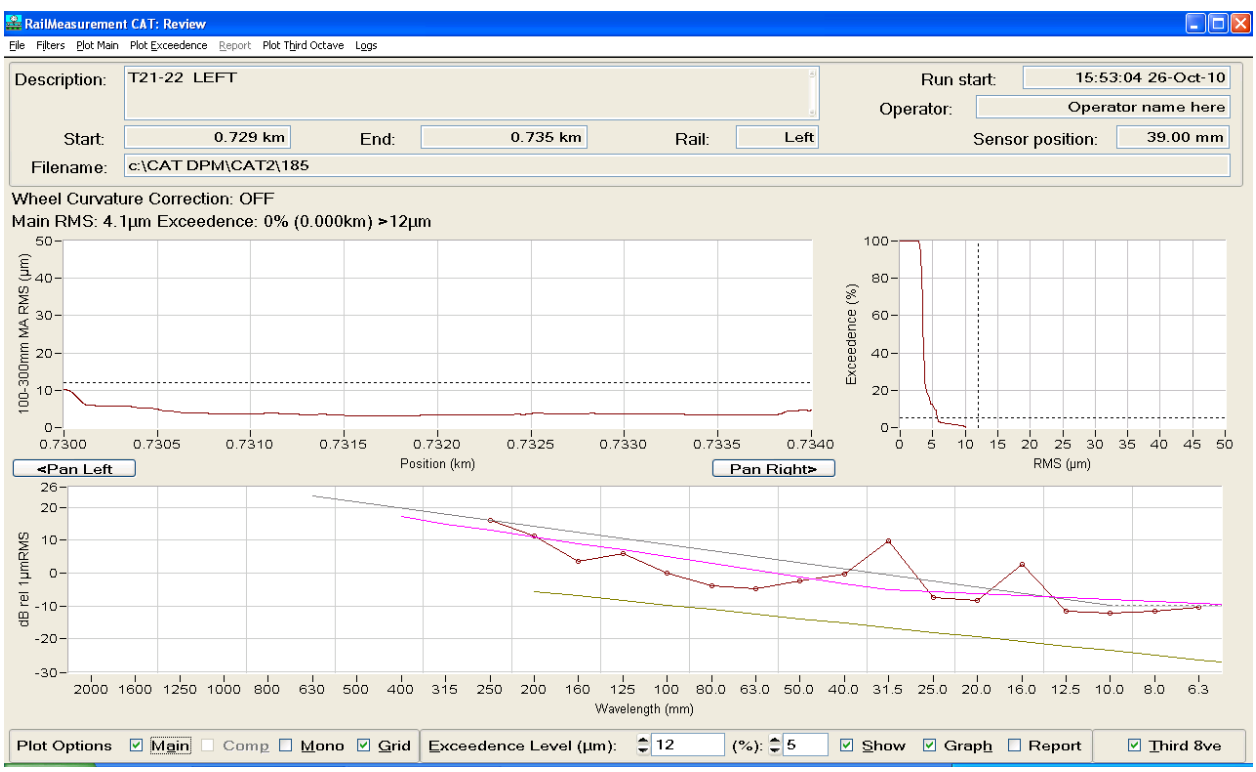

Figure 76 Tangent 21-22 Left Rail

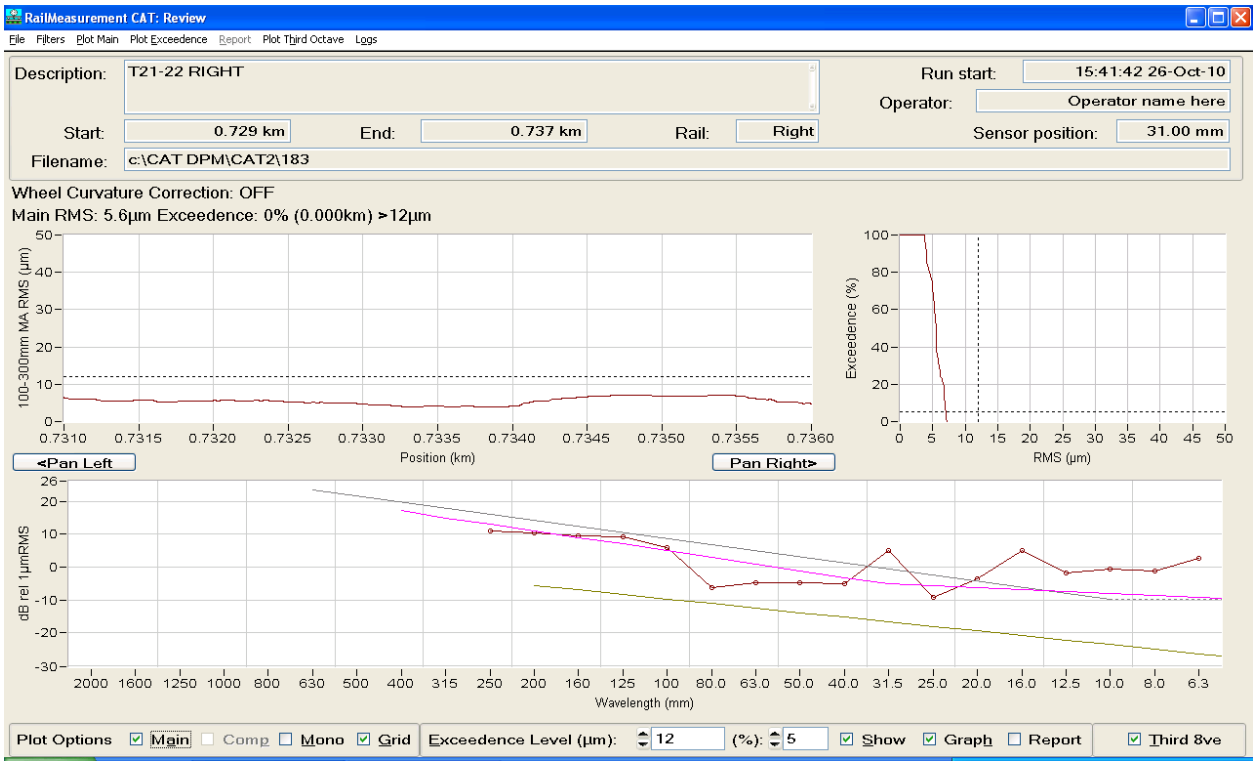

Figure 77 Tangent 21-22 Right Rail

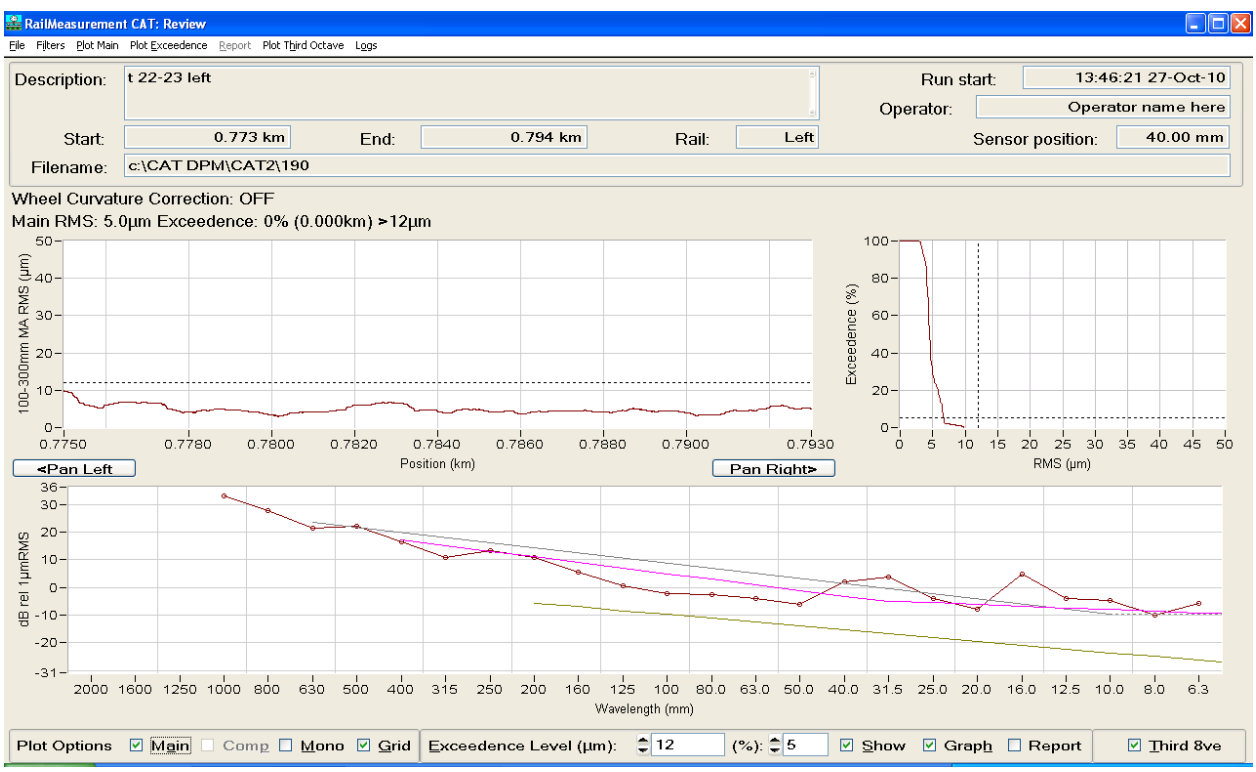

Figure 78 Tangent 22-23 Left Rail

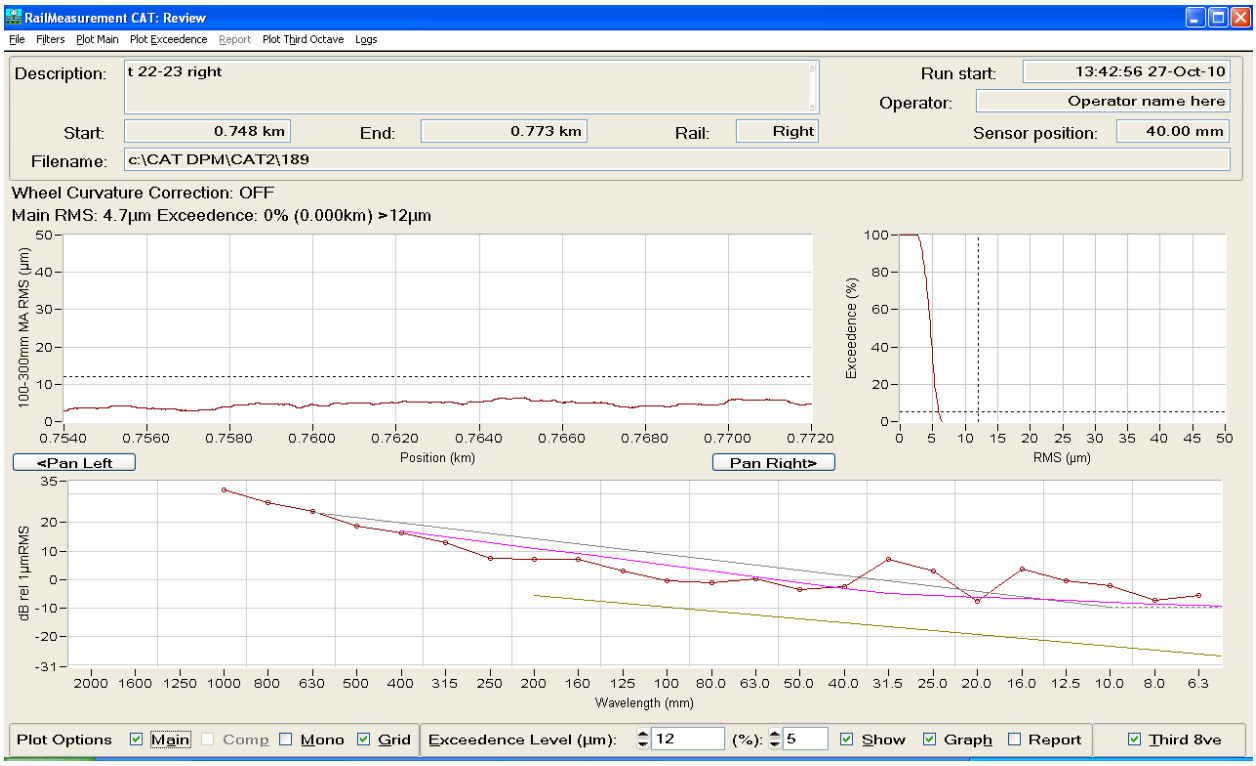

Figure 79 Tangent 22-23 Right Rail

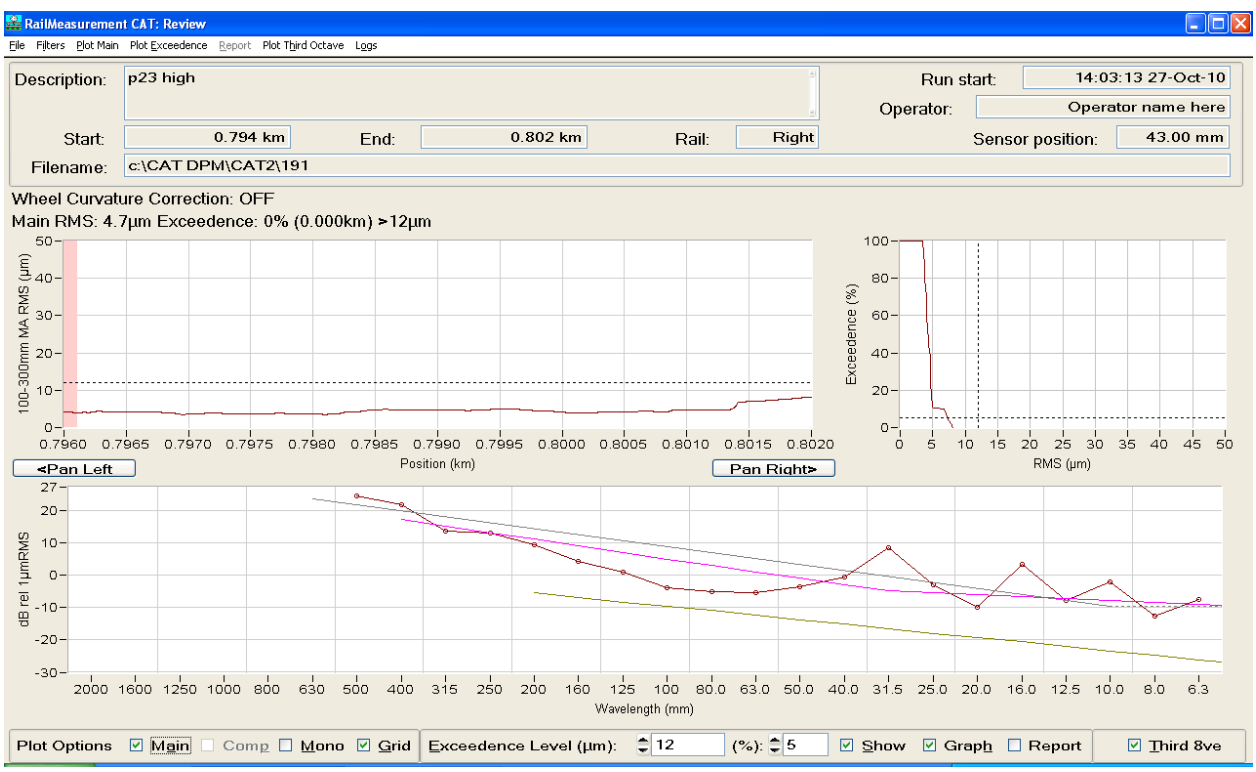

Figure 80 Curve p23 High Rail

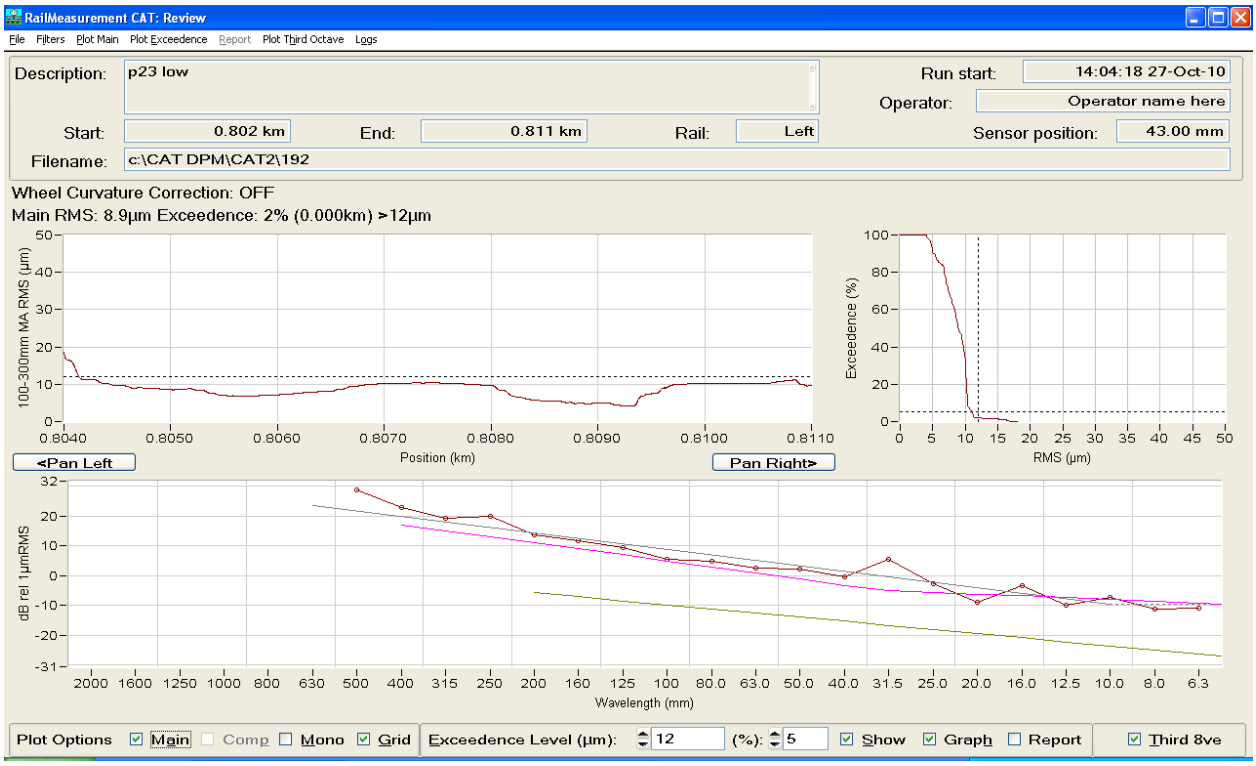

Figure 81 Curve p23 Low Rail

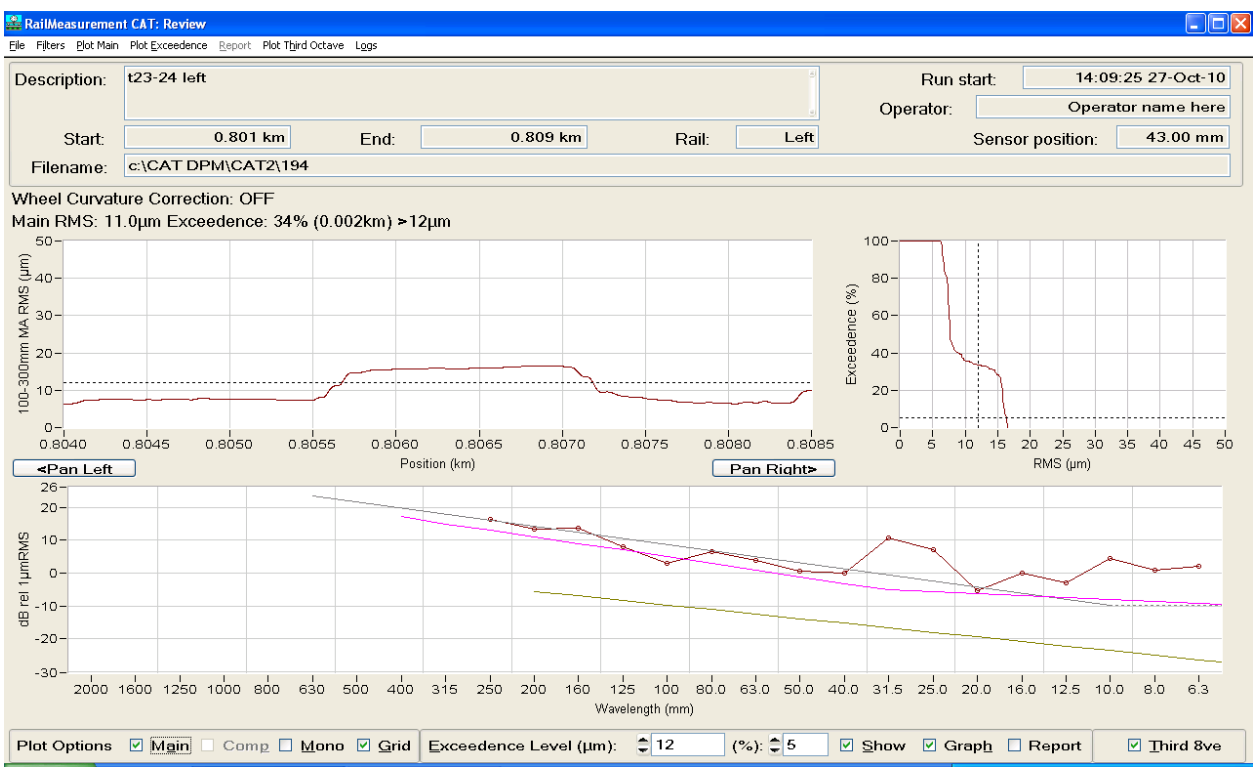

Figure 82 Tangent 23-24 Left Rail

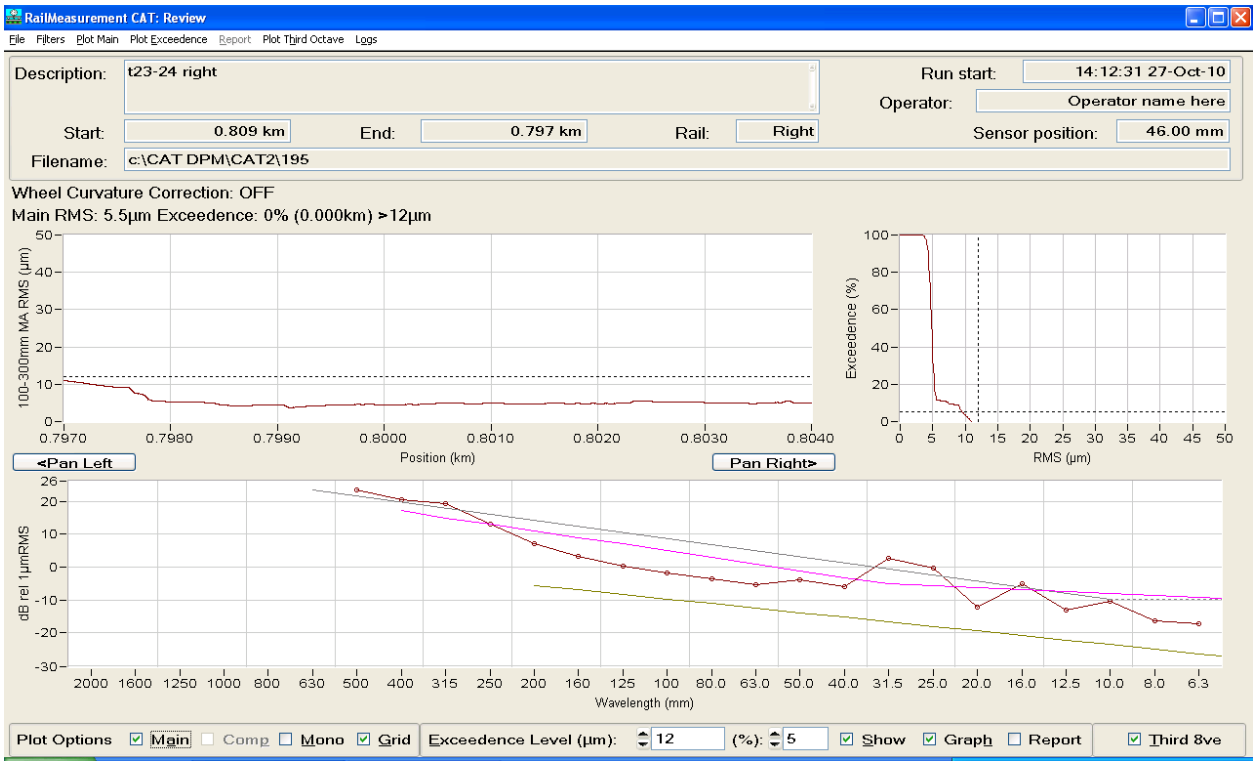

Figure 83 Tangent 23-24 Right Rail

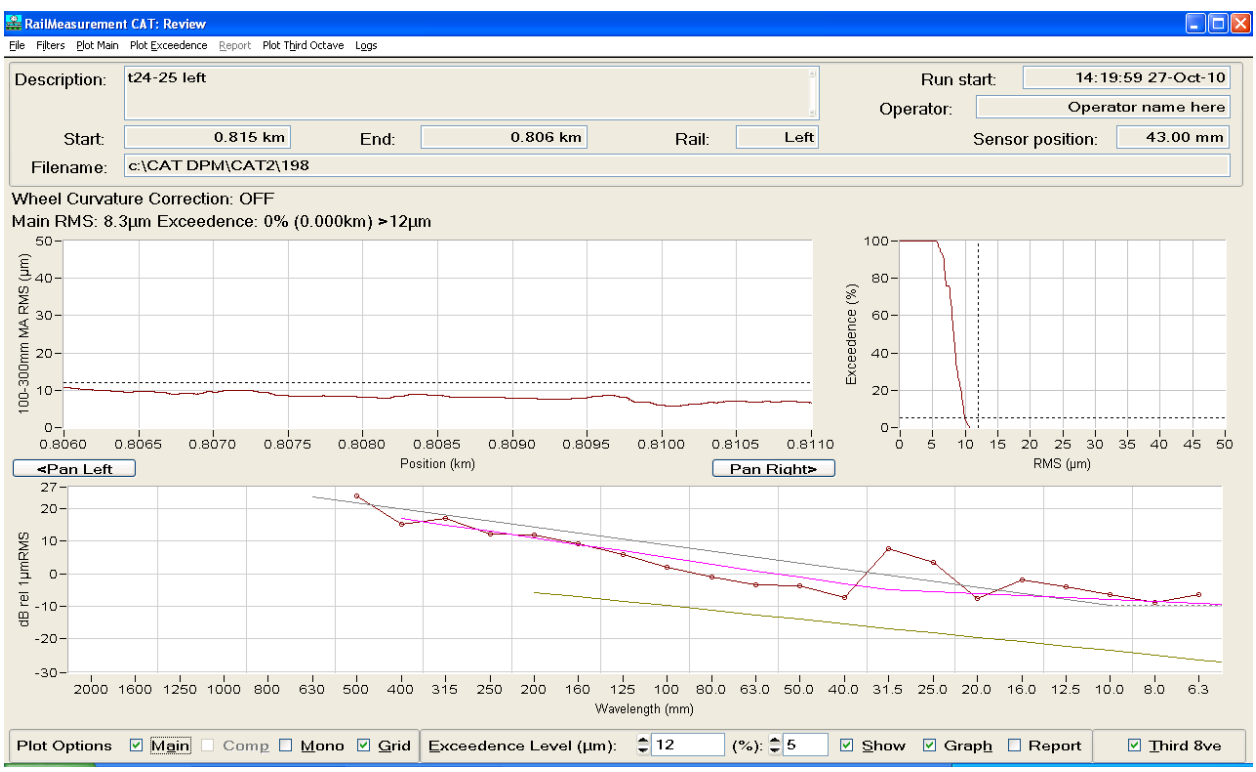

Figure 84 Tangent 24-25 Left Rail

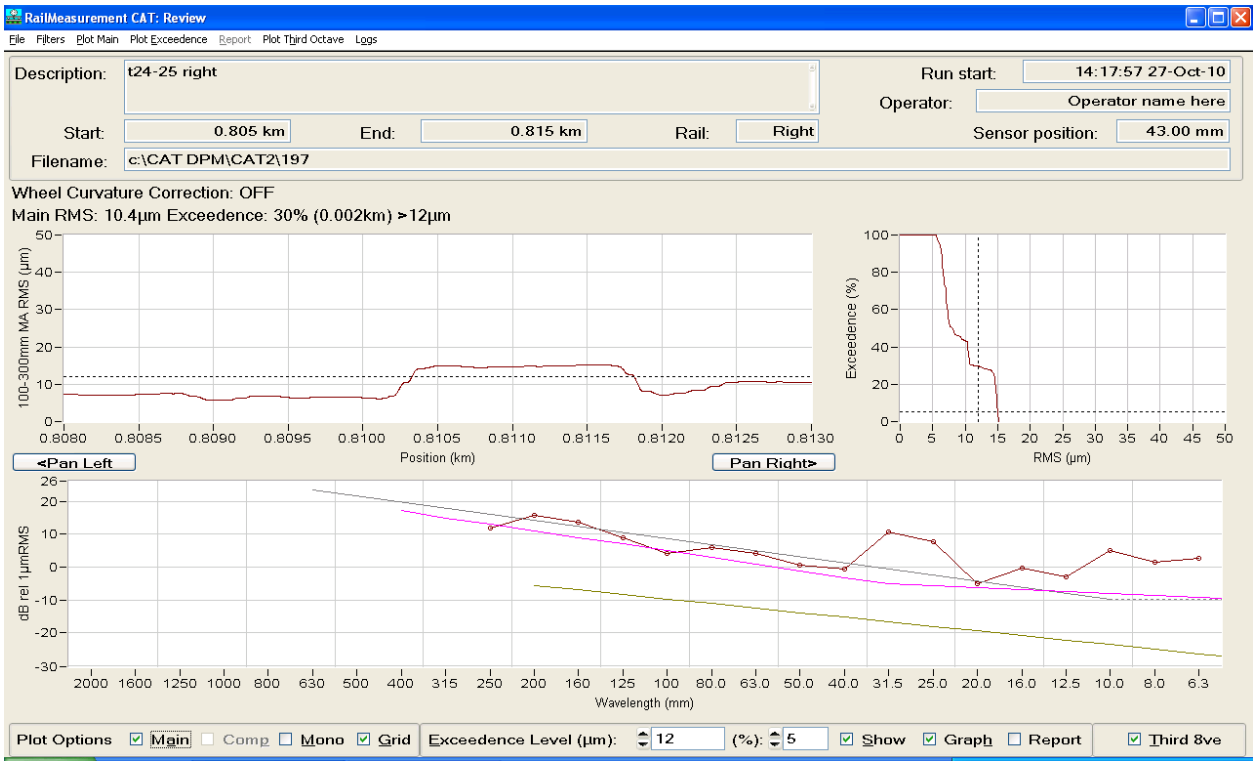

Figure 85 Tangent 24-25 Right Rail

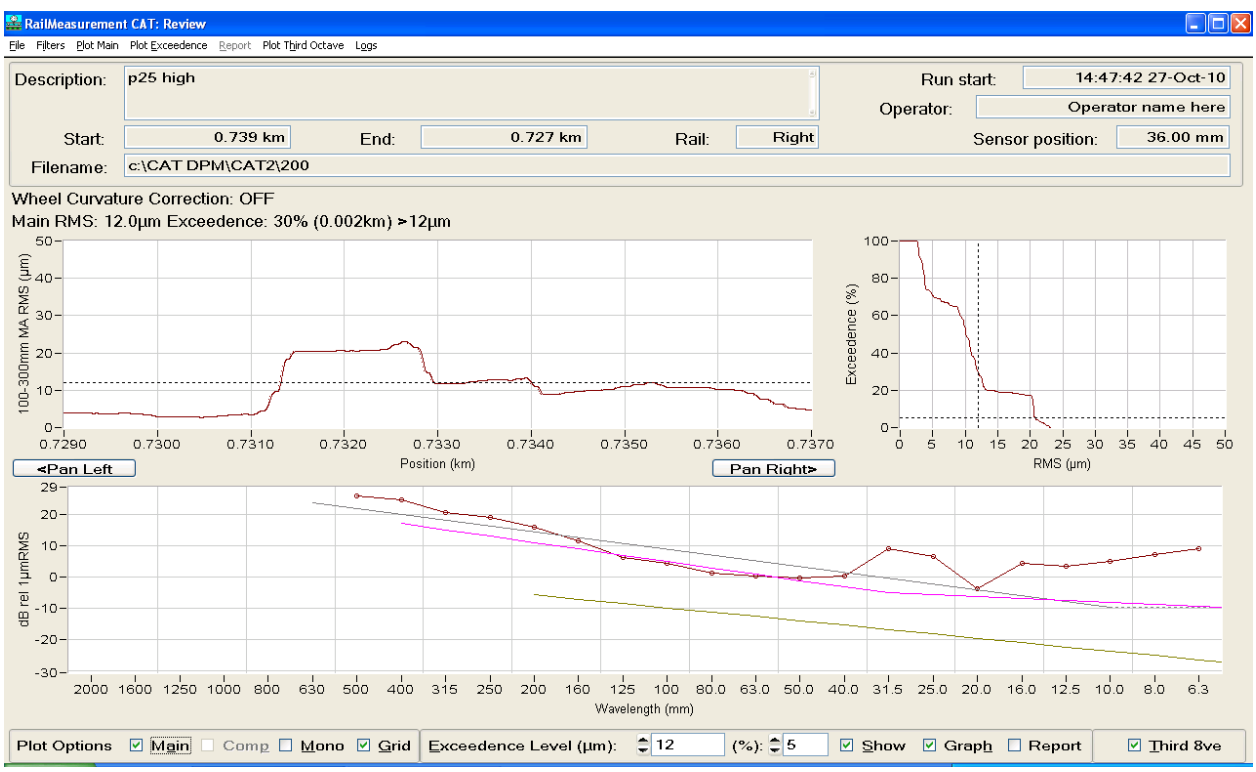

Figure 86 Curve p25 High Rail

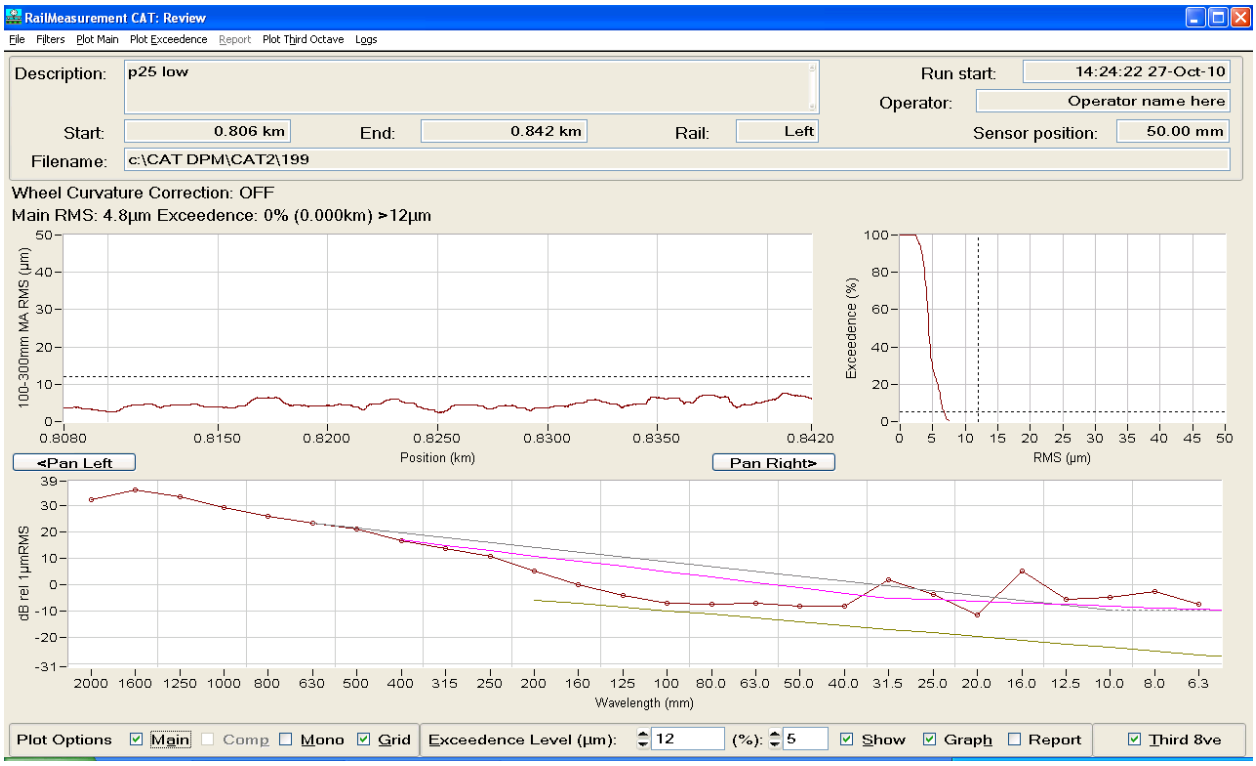

Figure 87 Curve p25 Low Rail

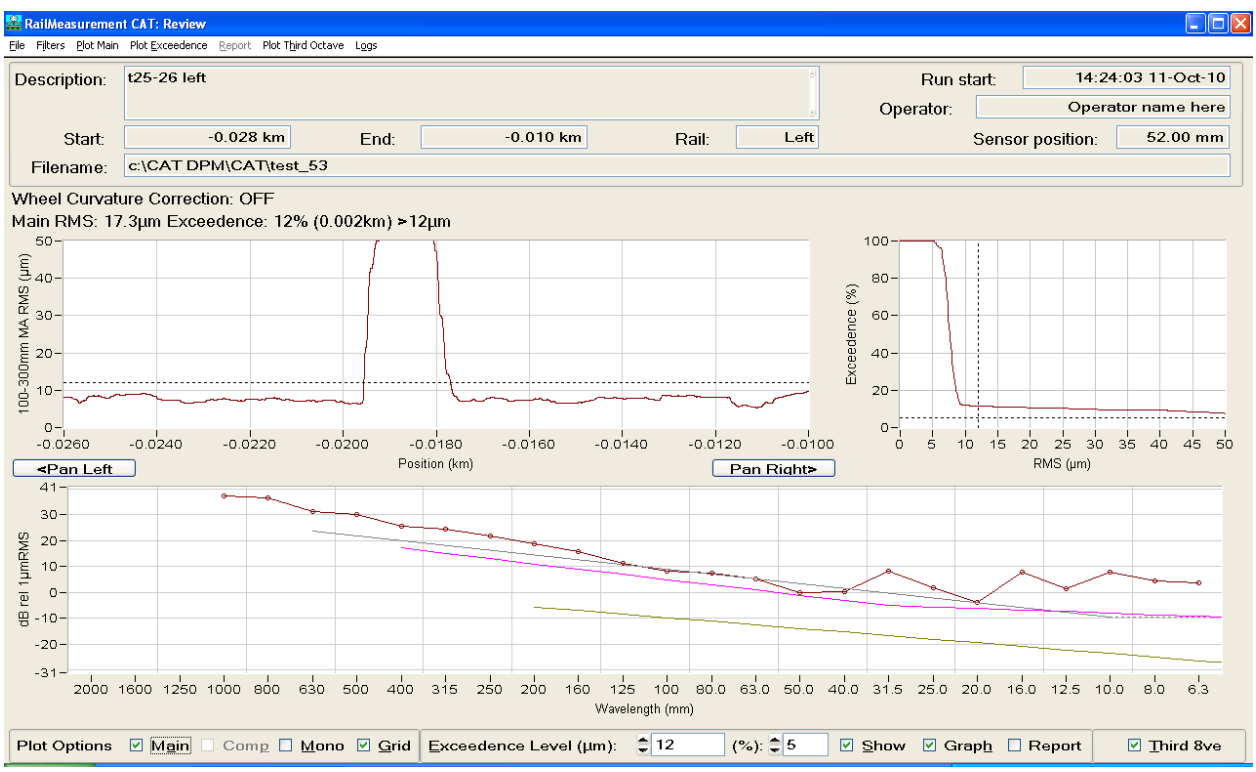

Figure 88 Tangent 25-26 Left Rail

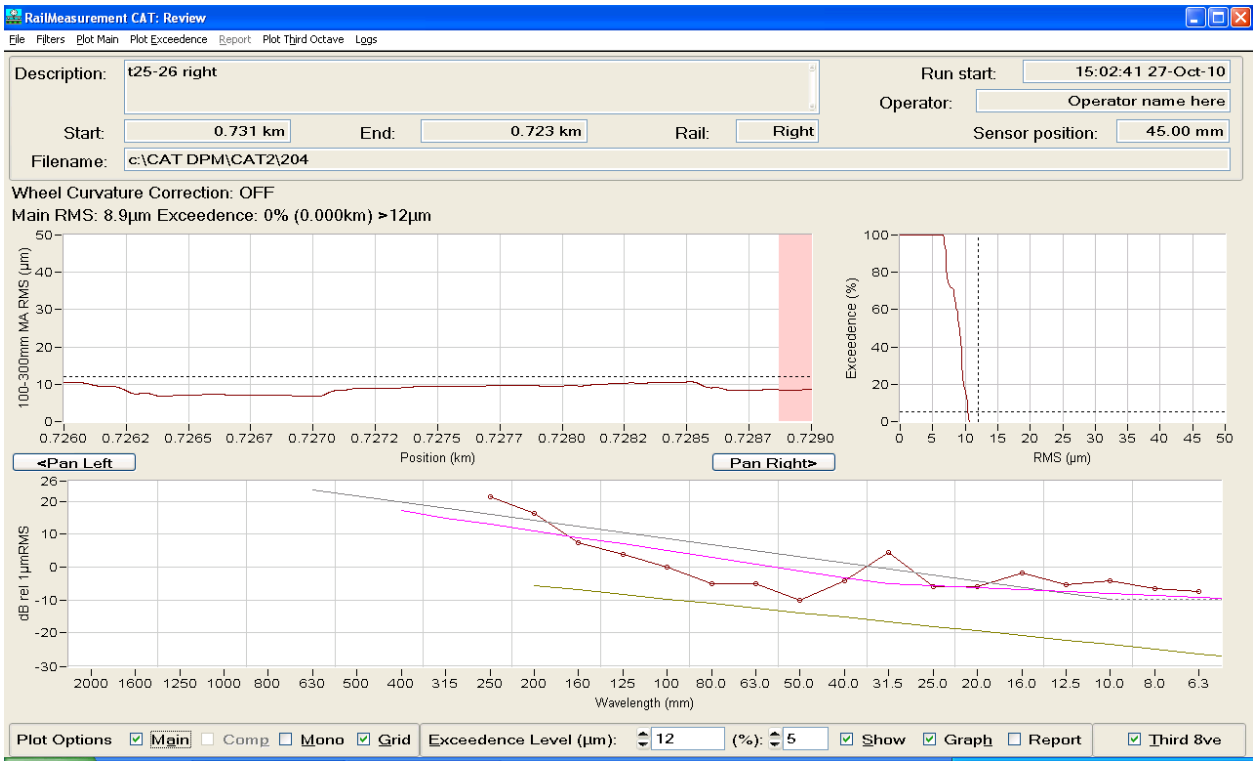

Figure 89 Tangent 25-26 Right Rail

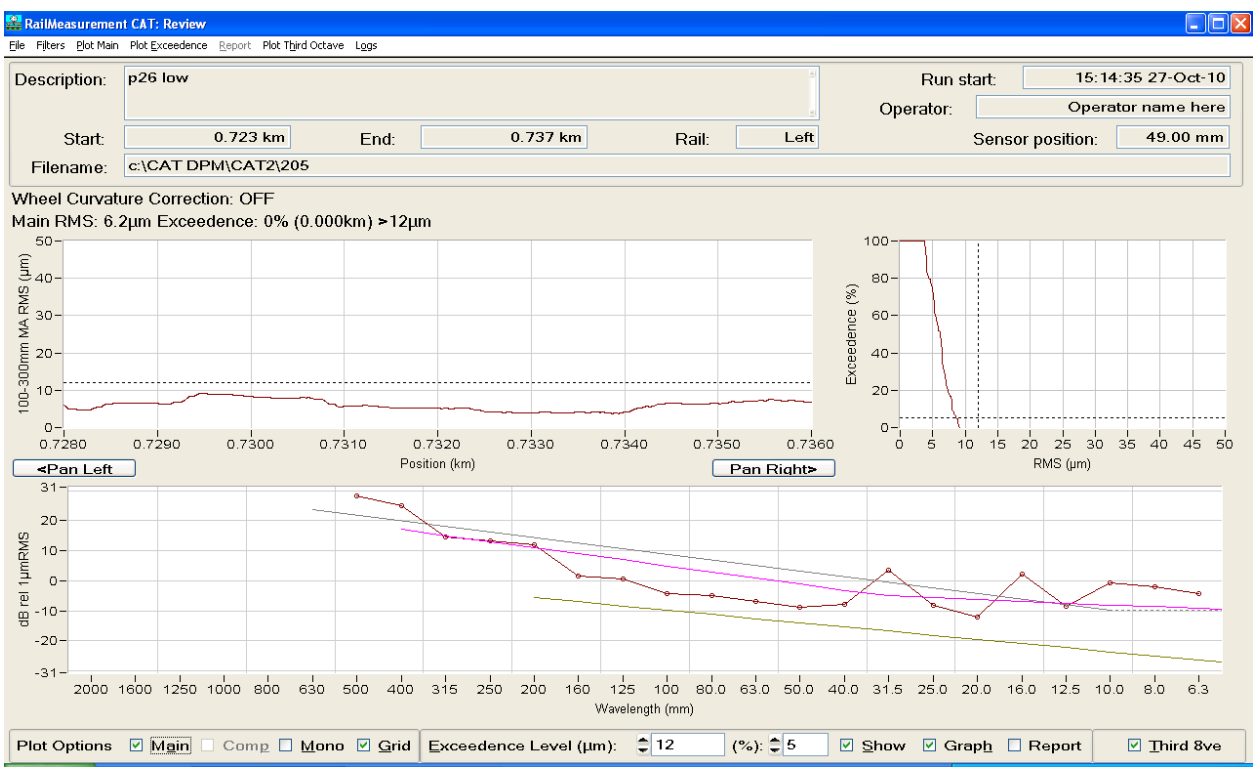

Figure 90 Curve p26 Low Rail

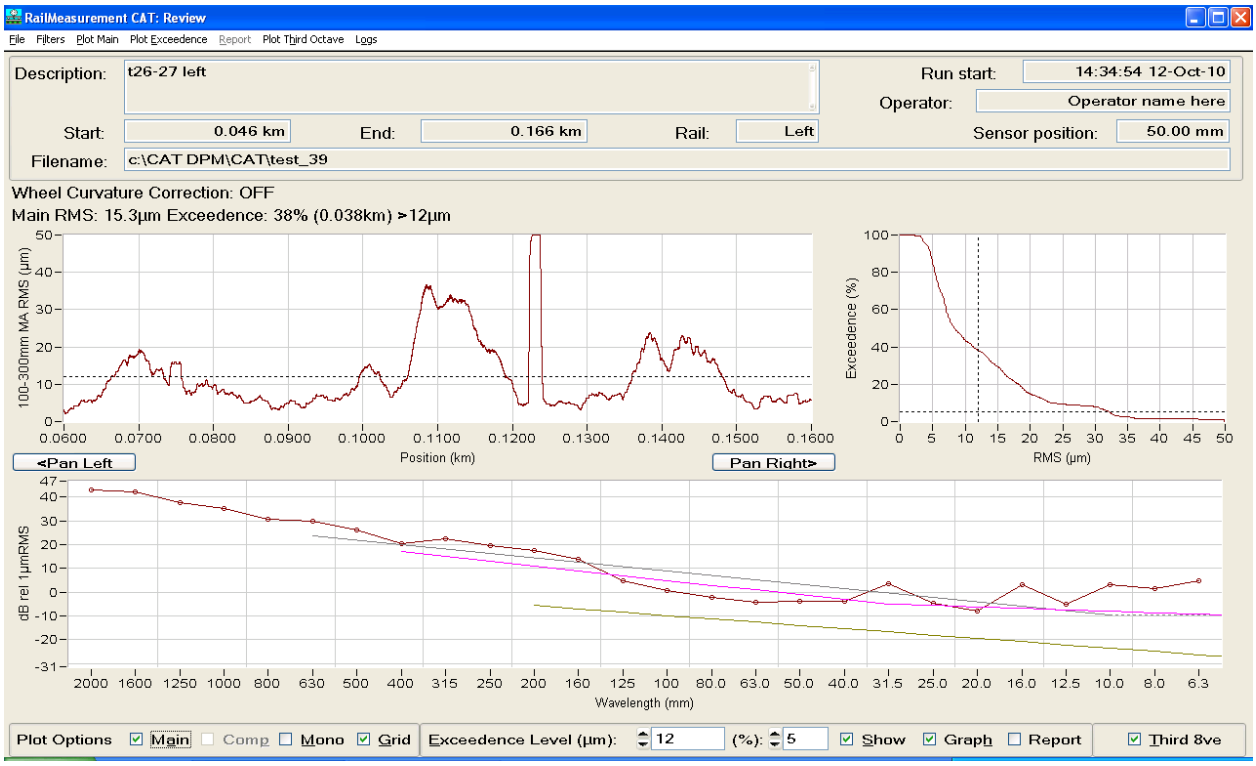

Figure 91 Tangent 26-27 Left Rail

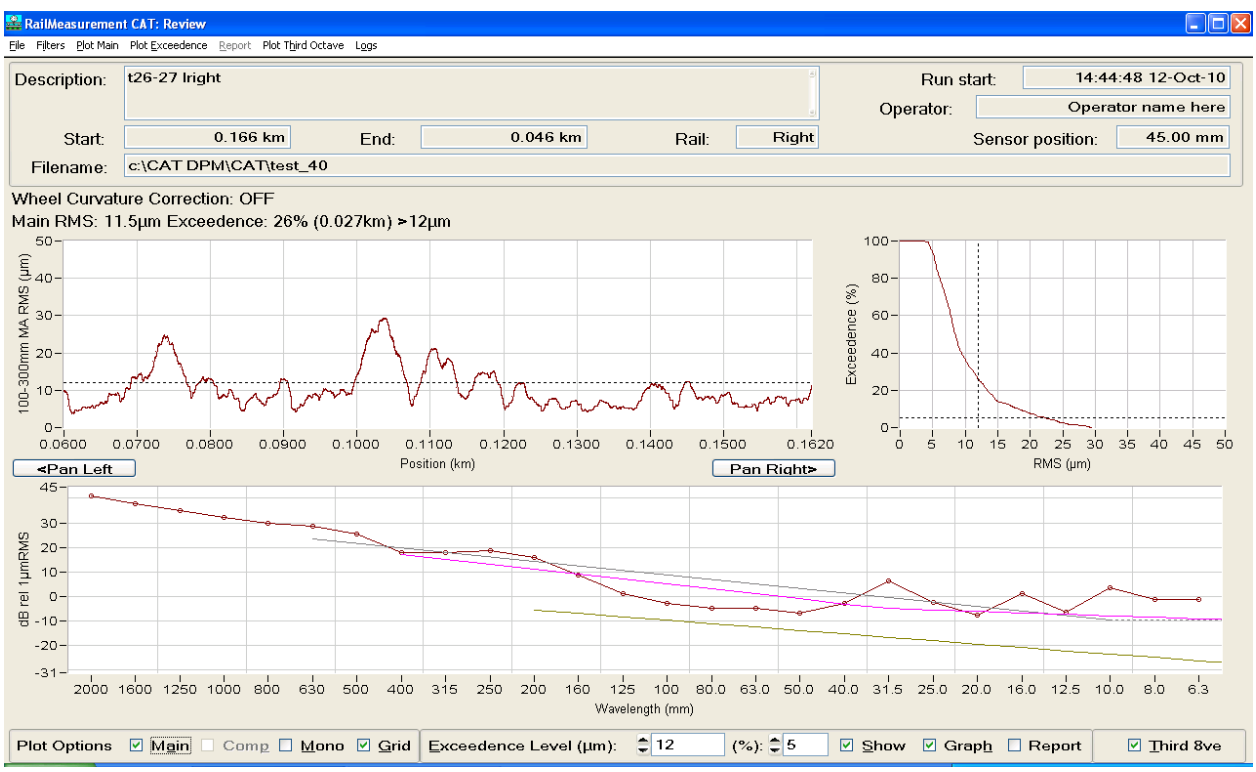

Figure 92 Tangent 26-27 Right Rail

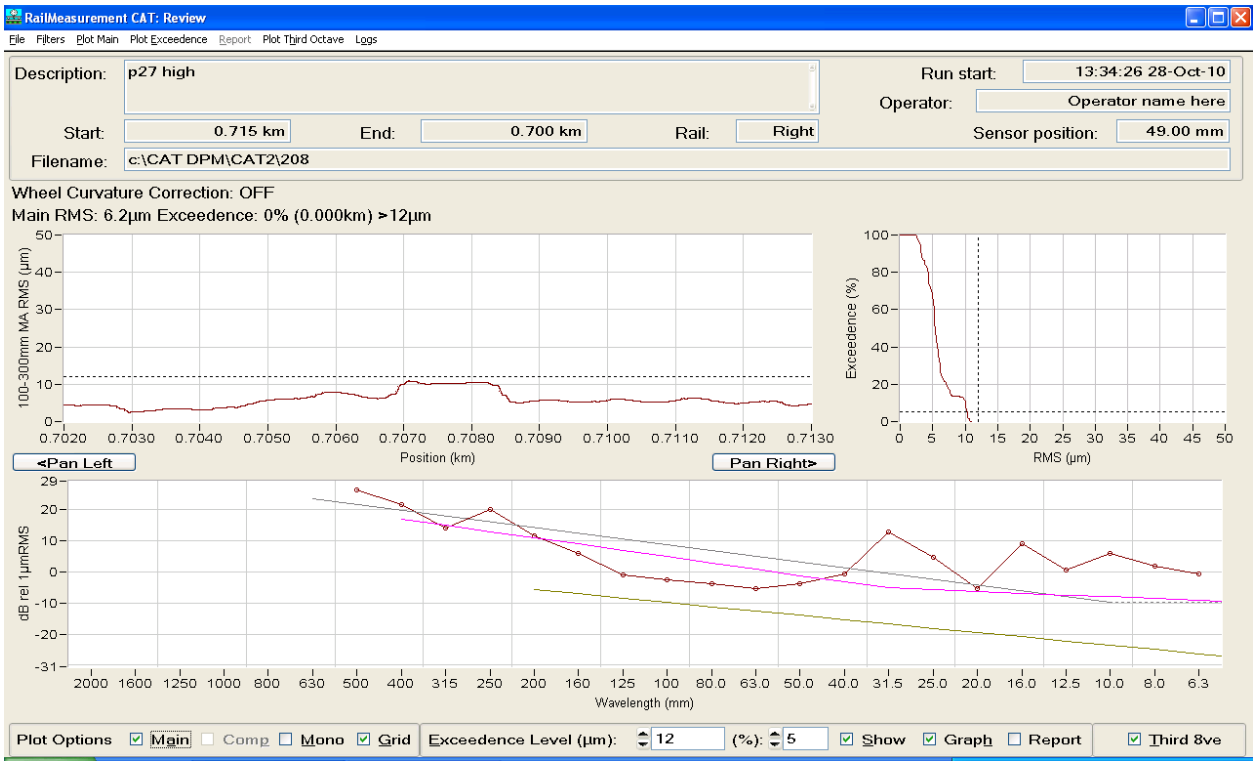

Figure 93 Curve p27 High Rail

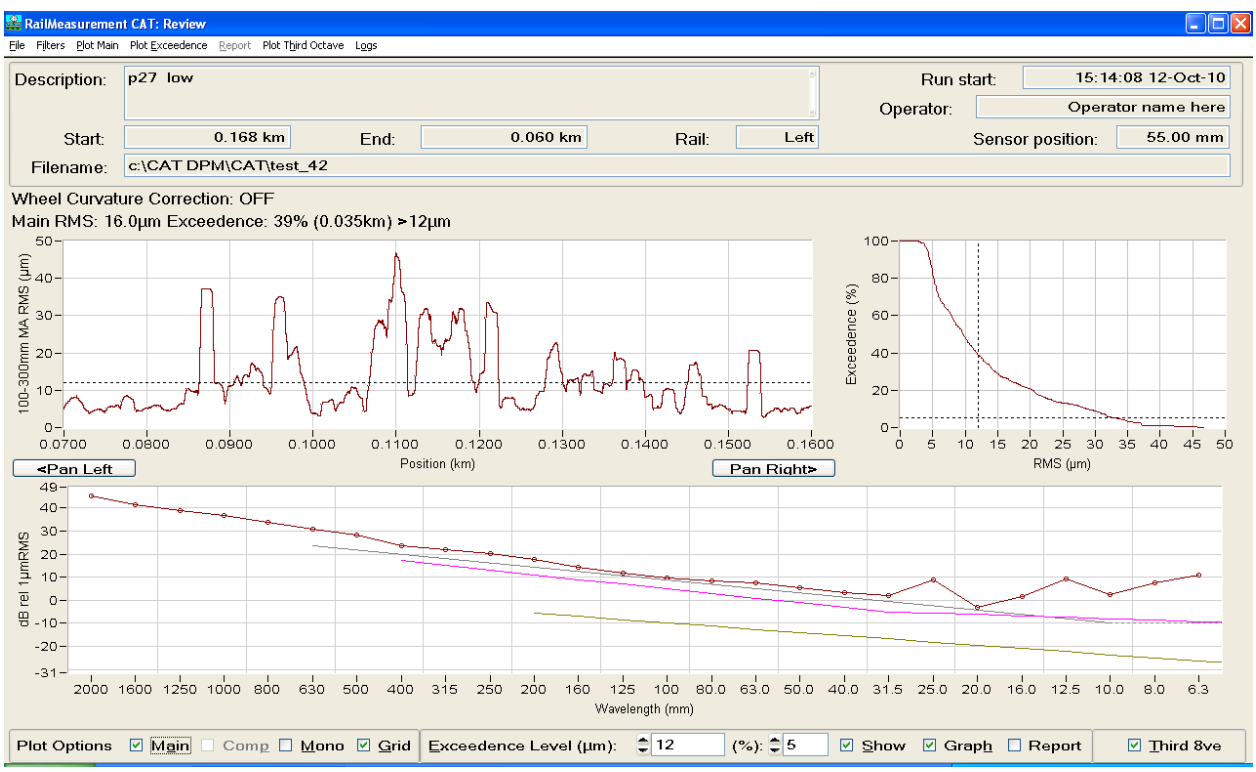

Figure 94 Curve p27 Low Rail

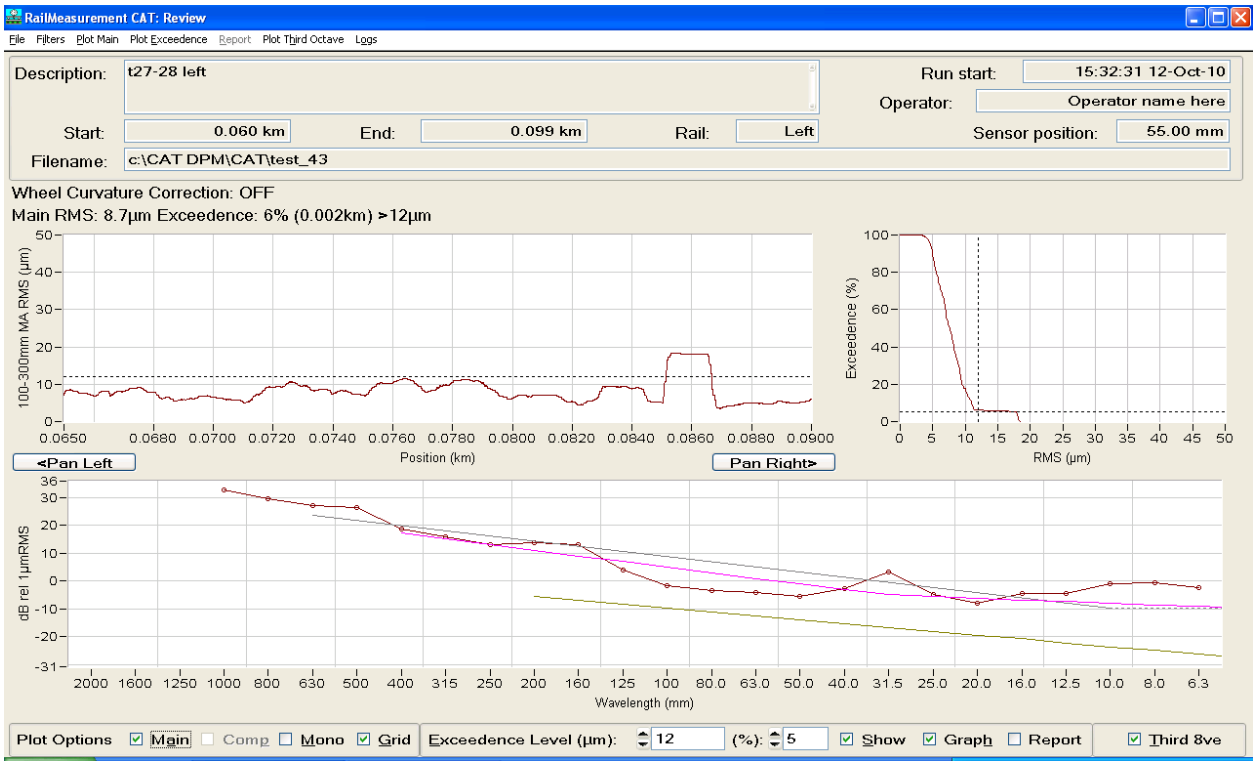

Figure 95 Tangent 27-28 Left Rail

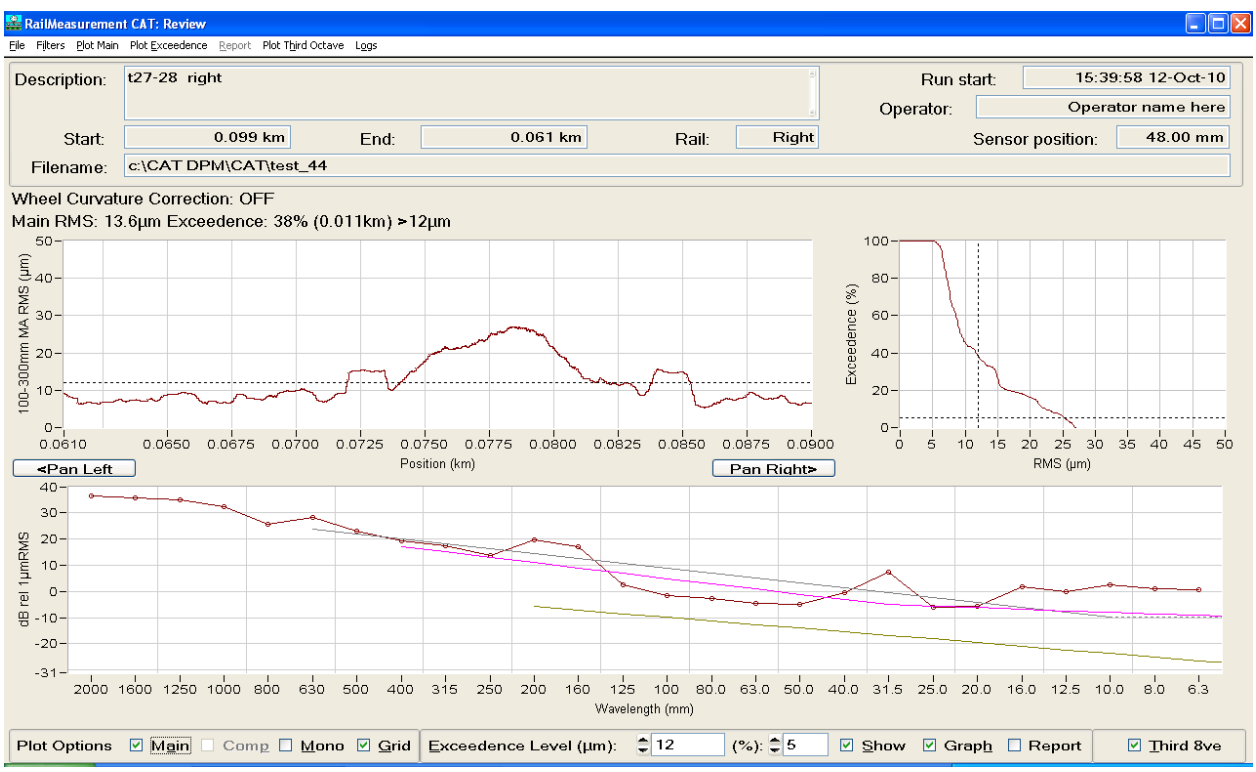

Figure 96 Tangent 27-28 Right Rail

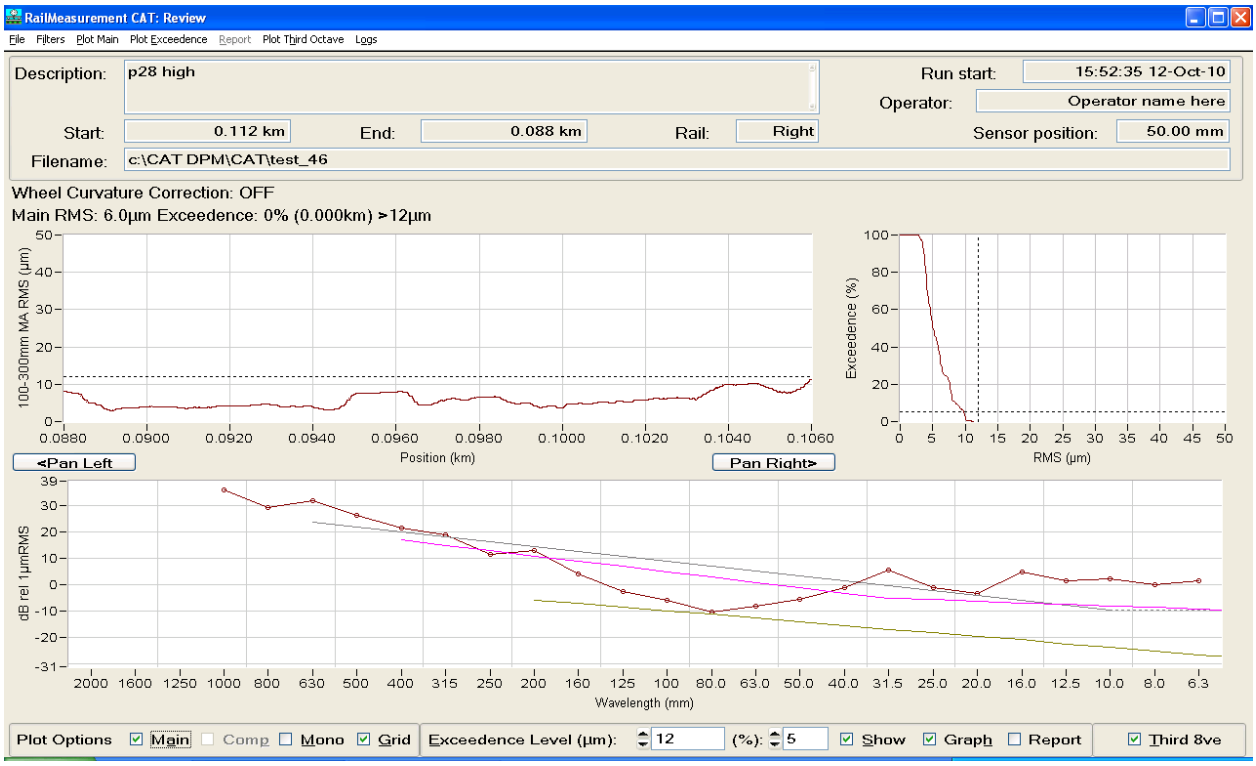

Figure 97 Curve p28 High Rail

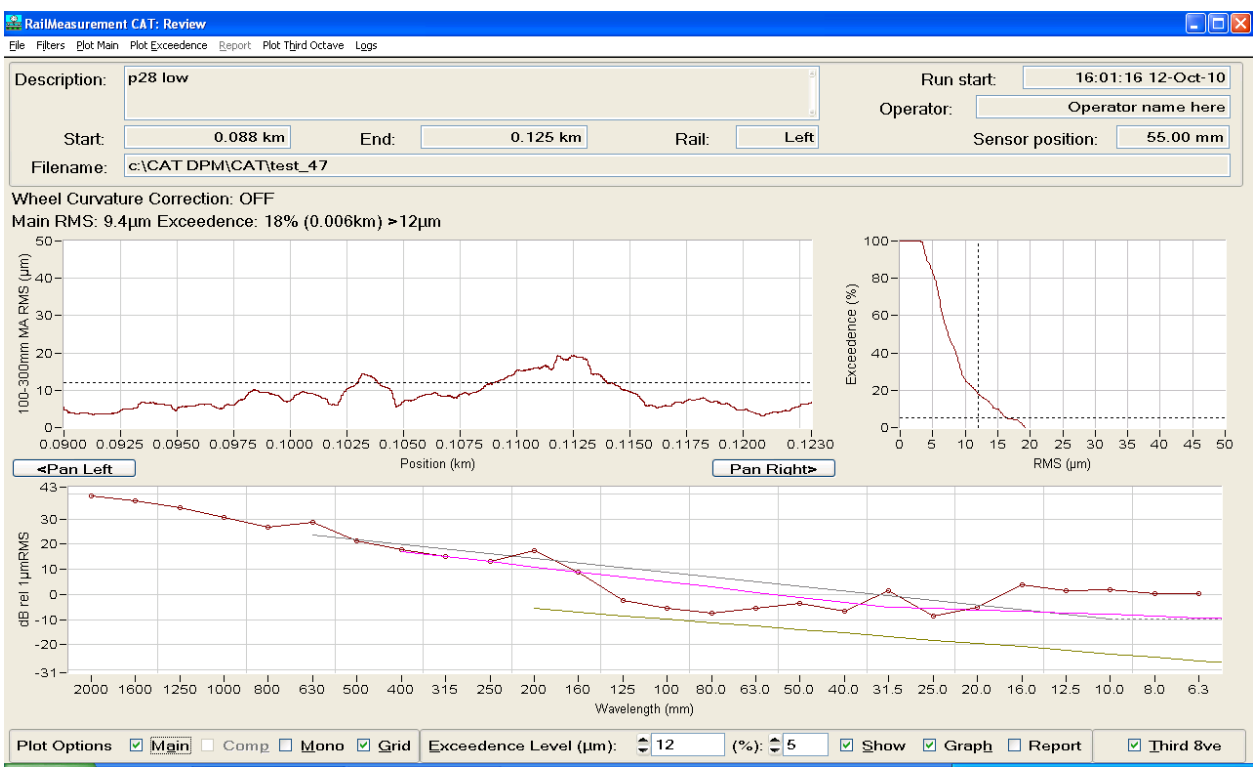

Figure 98 Curve p28 Low Rail

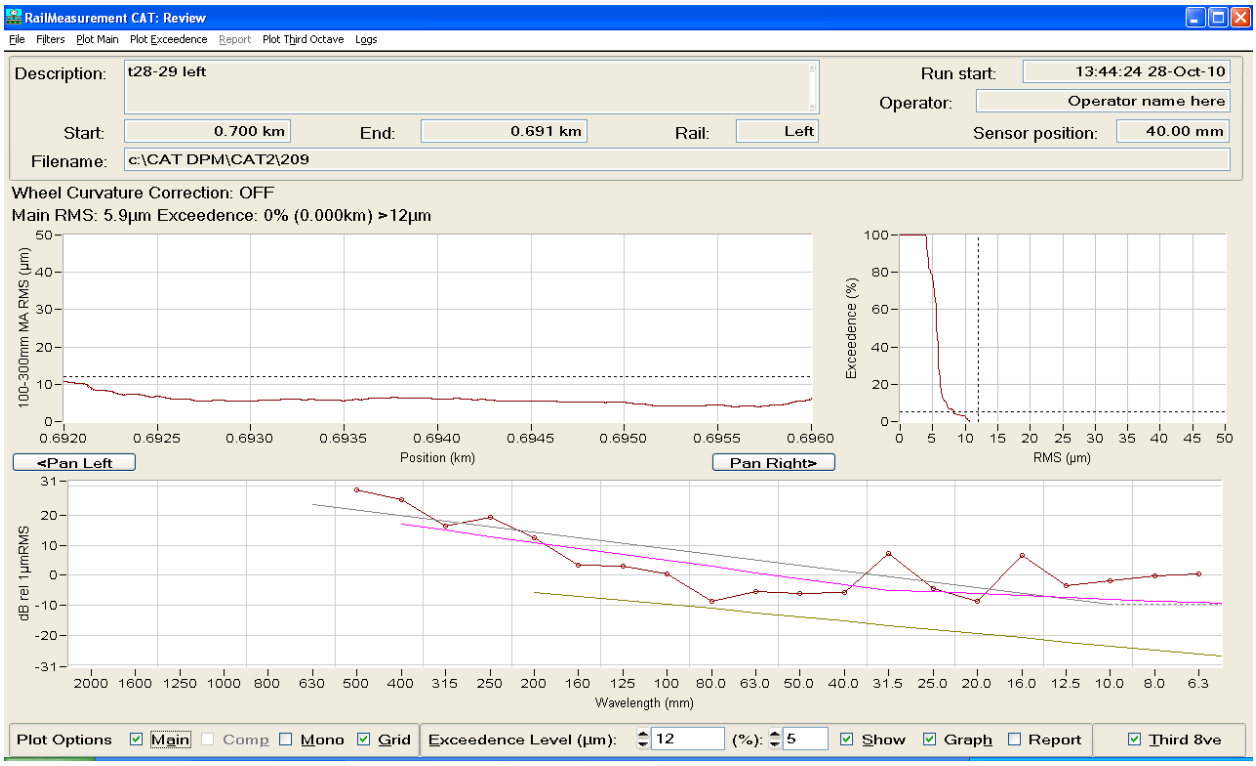

Figure 99 Tangent 28-29 Left Rail

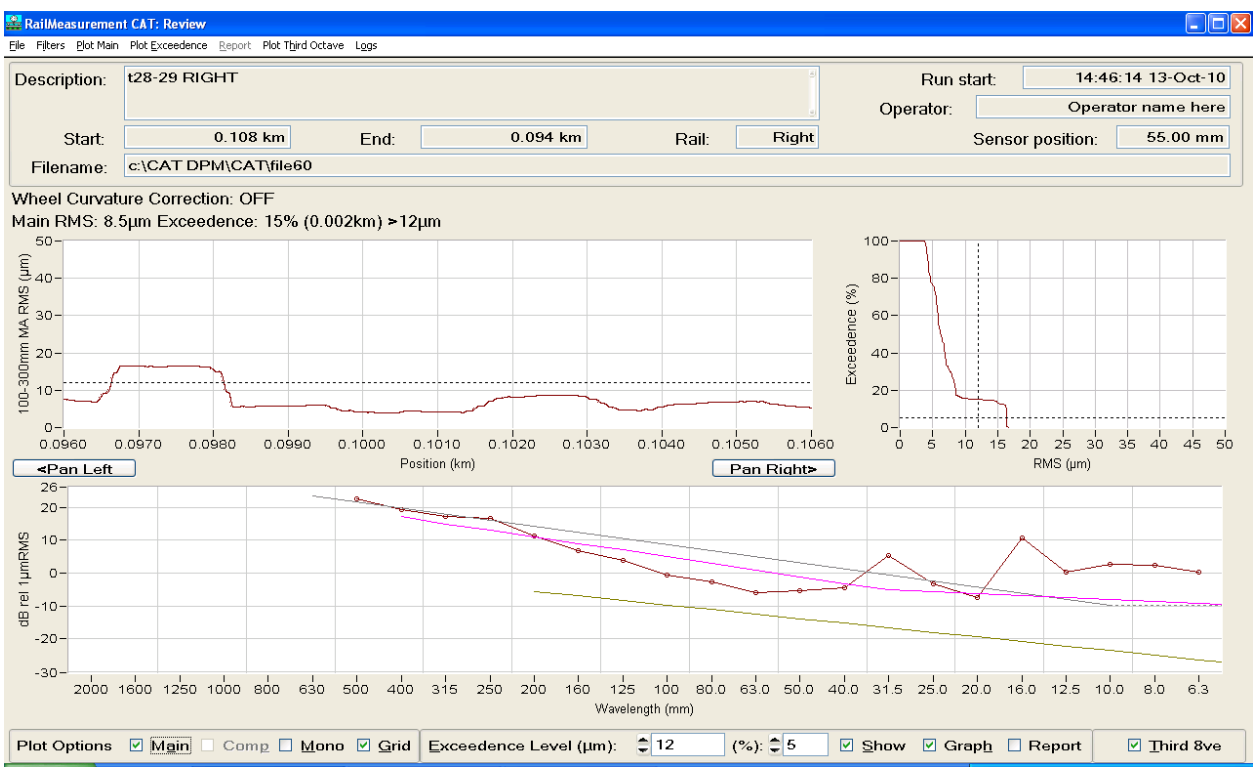

Figure 100 Tangent 28-29 Right Rail

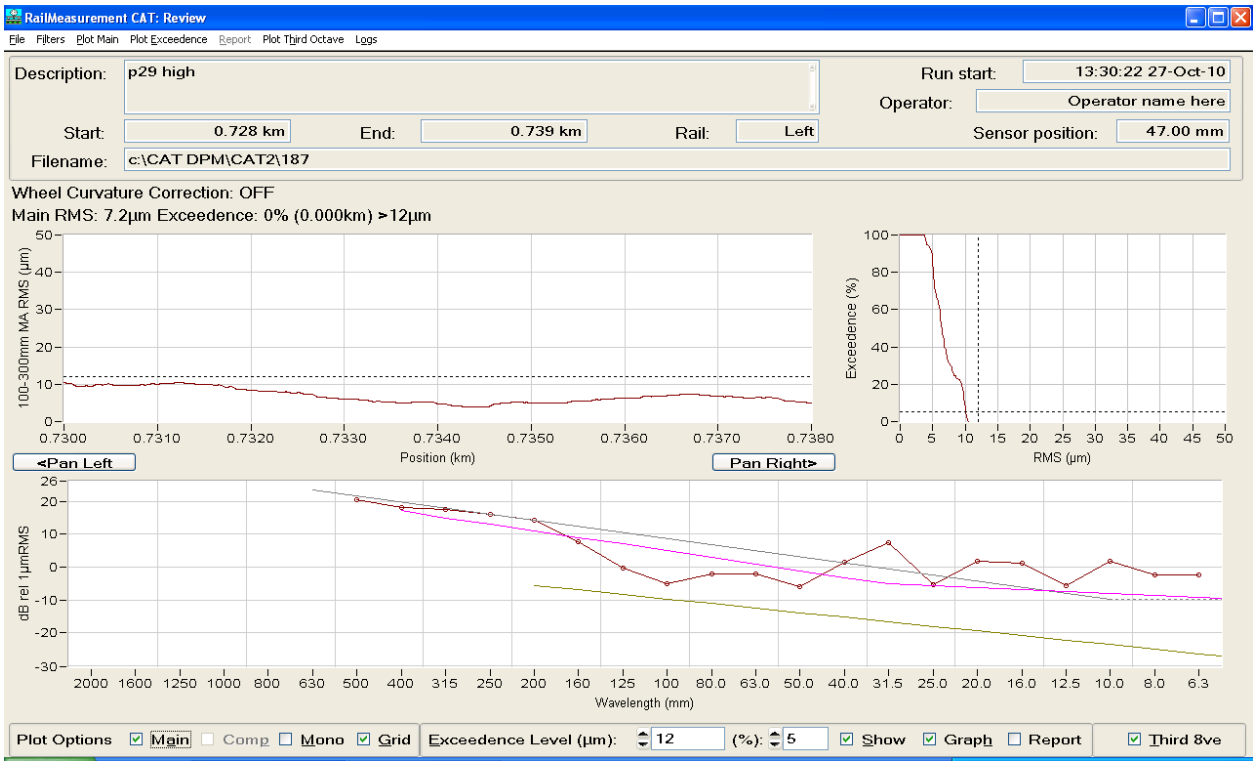

Figure 101 Curve p29 High Rail

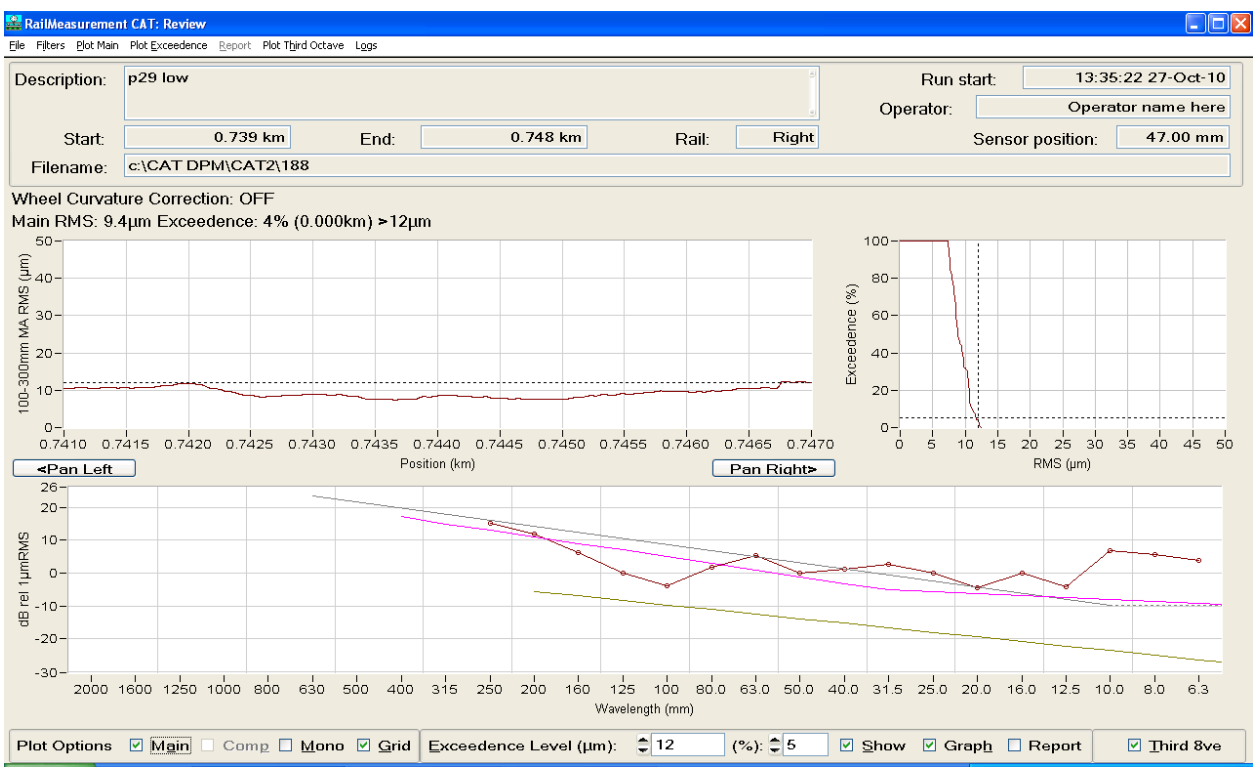

Figure 102 Curve p29 Low Rail

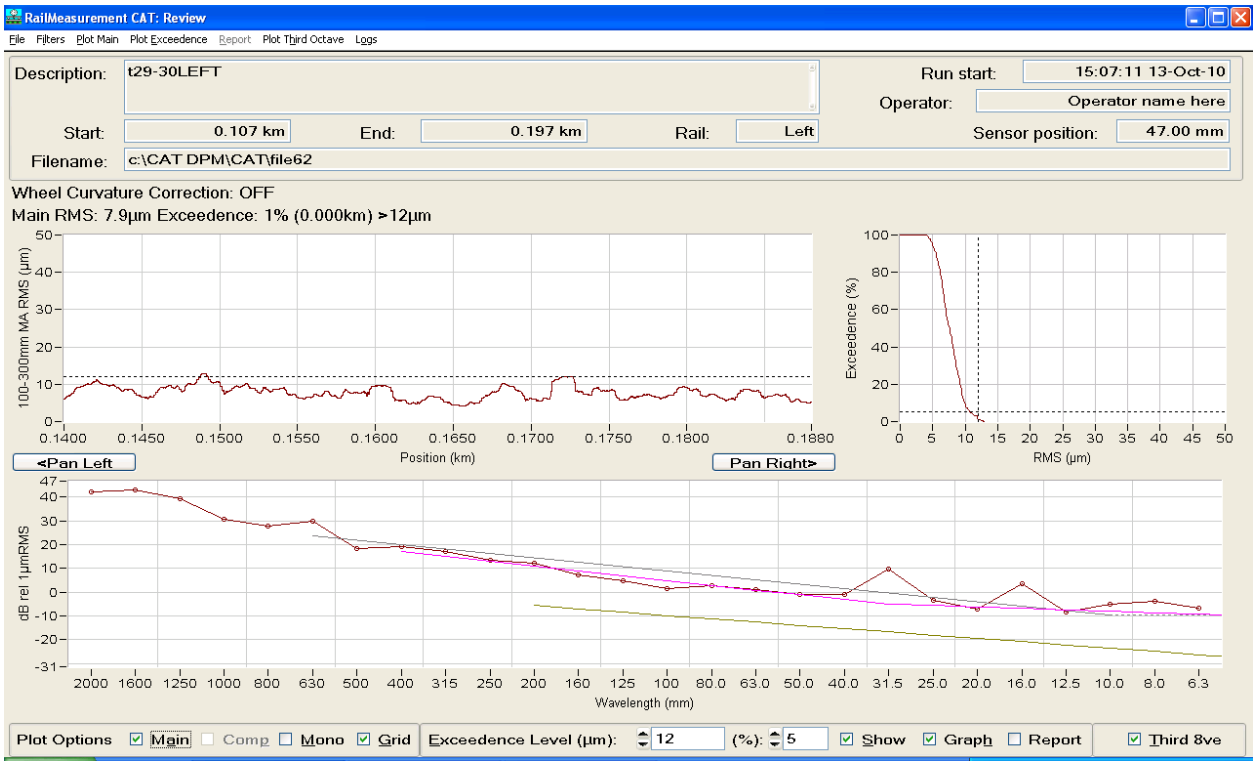

Figure 103 Tangent 29-30 Left Rail

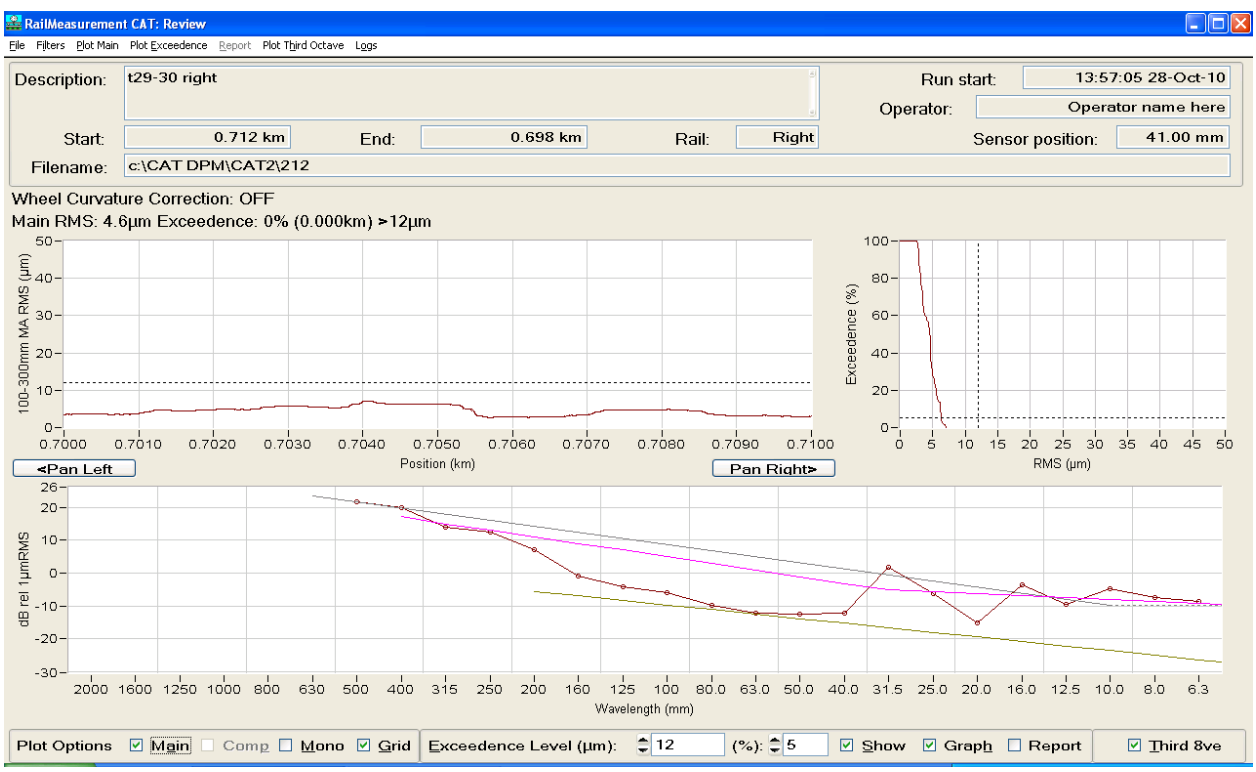

Figure 104 Tangent 29-30 Right Rail

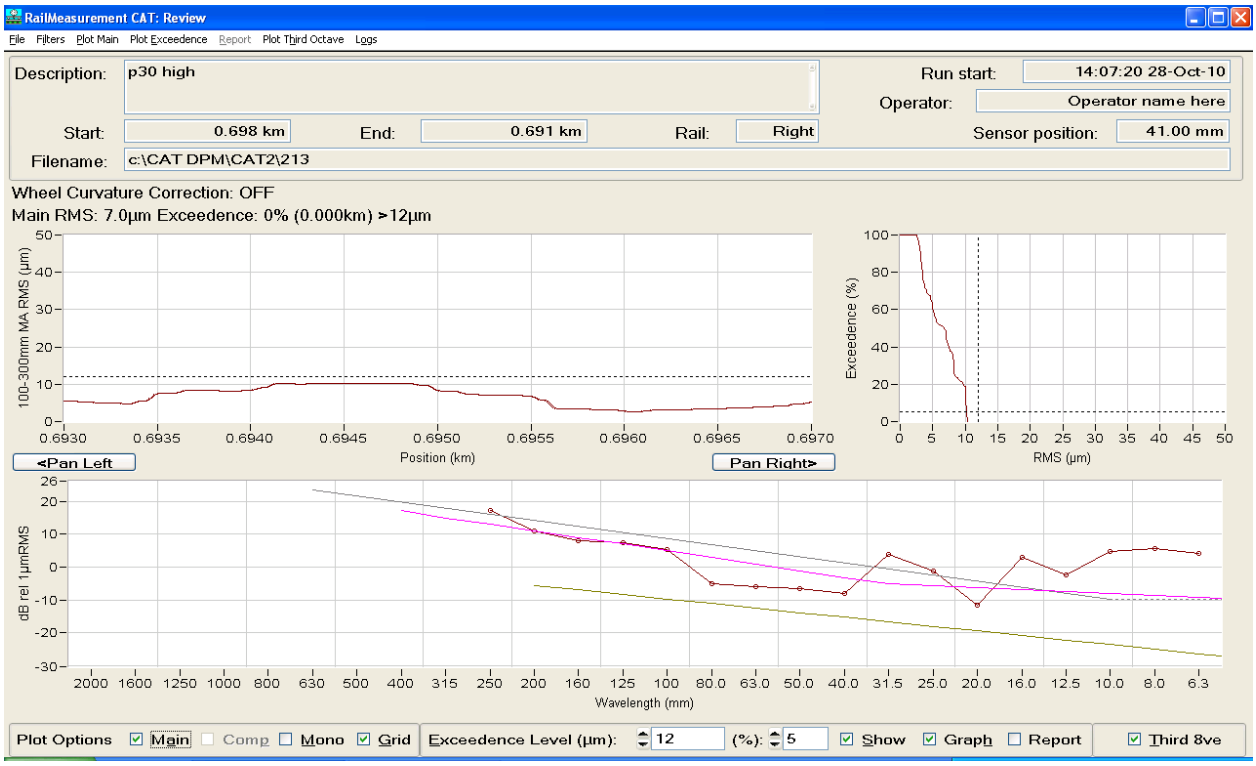

Figure 105 Curve p30 High Rail

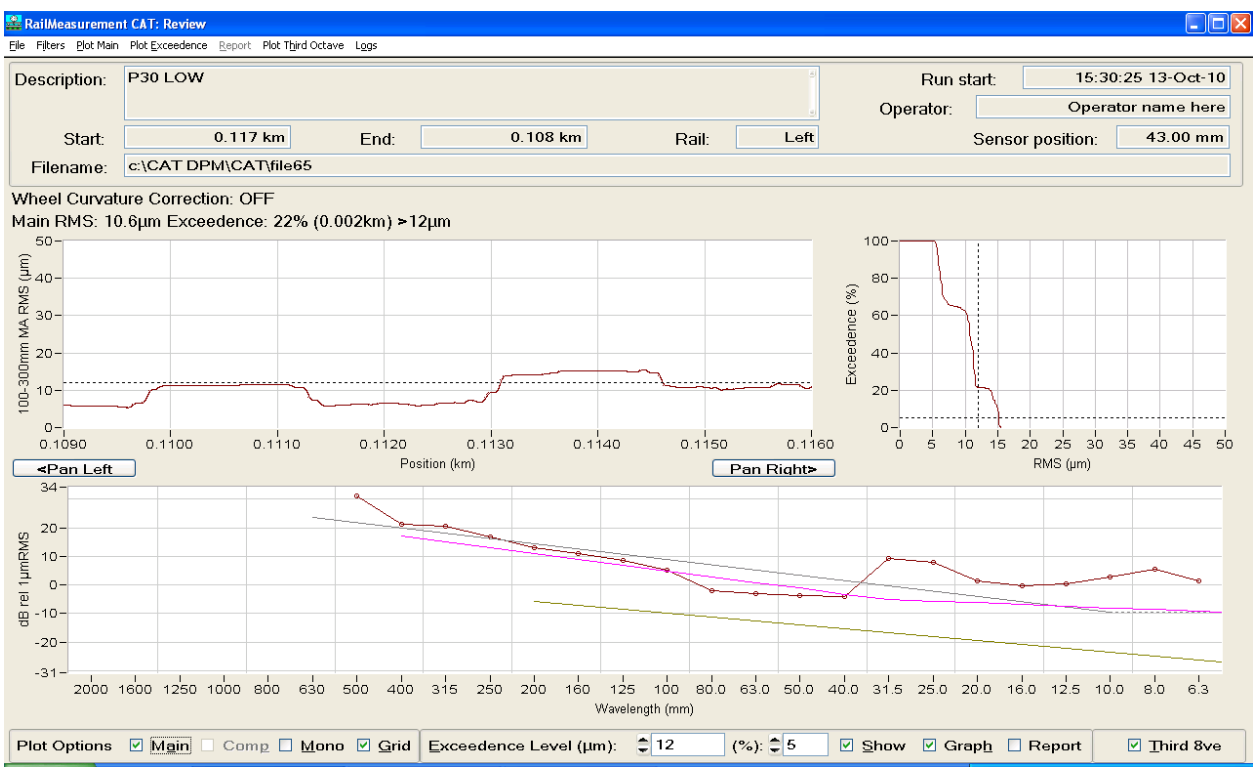

Figure 106 Curve p30 Low Rail

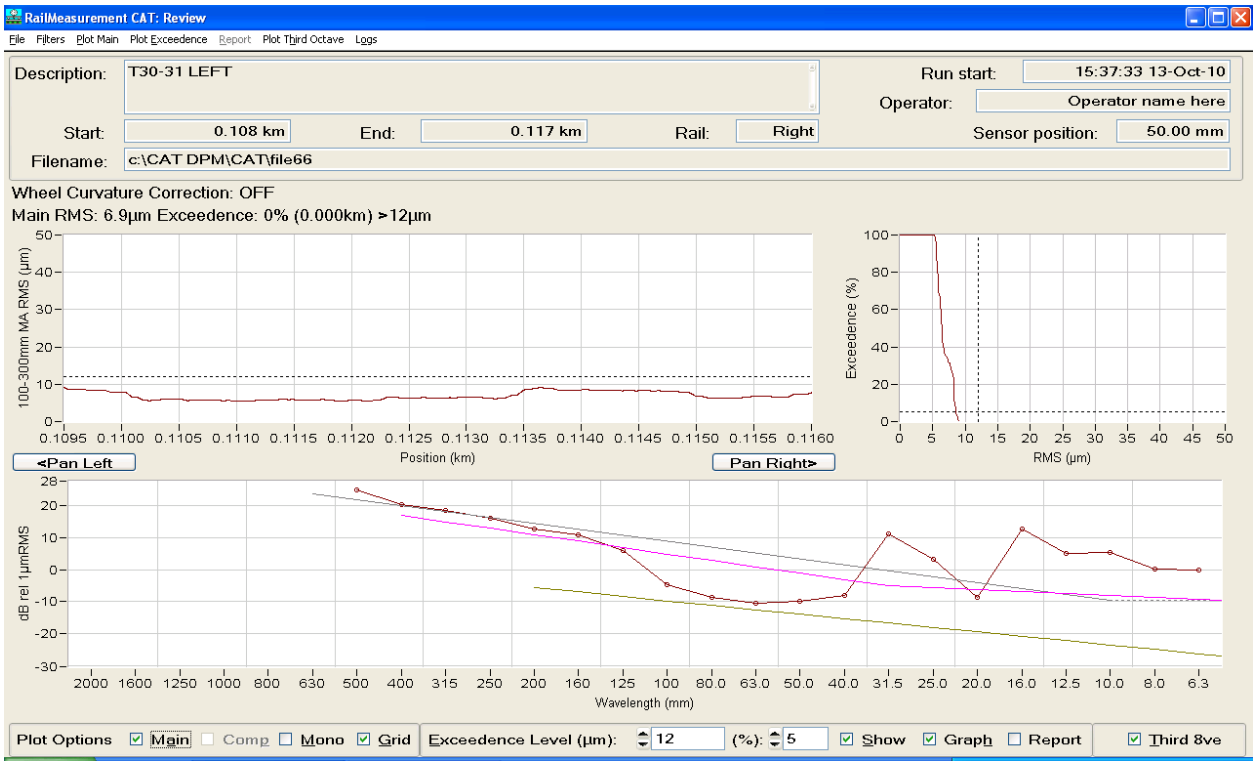

Figure 107 Tangent 30-31 Left Rail

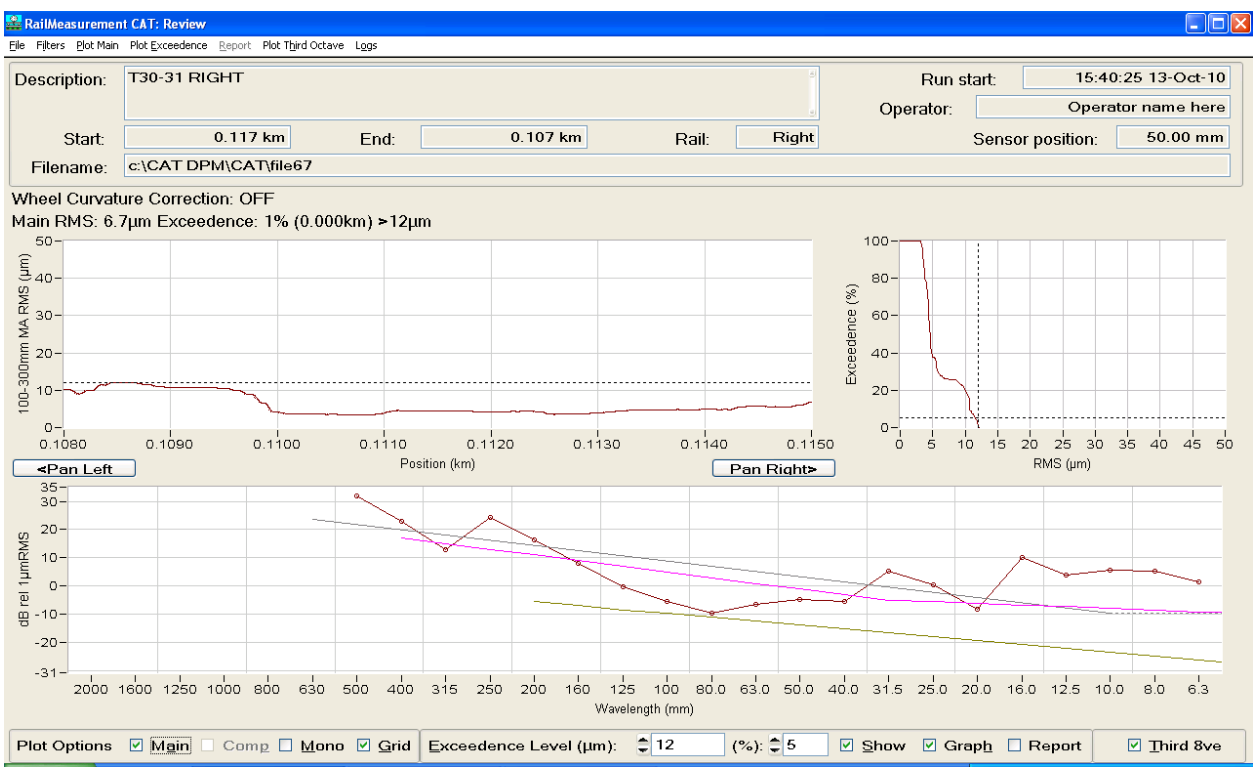

Figure 108 Tangent 30-31 Right Rail

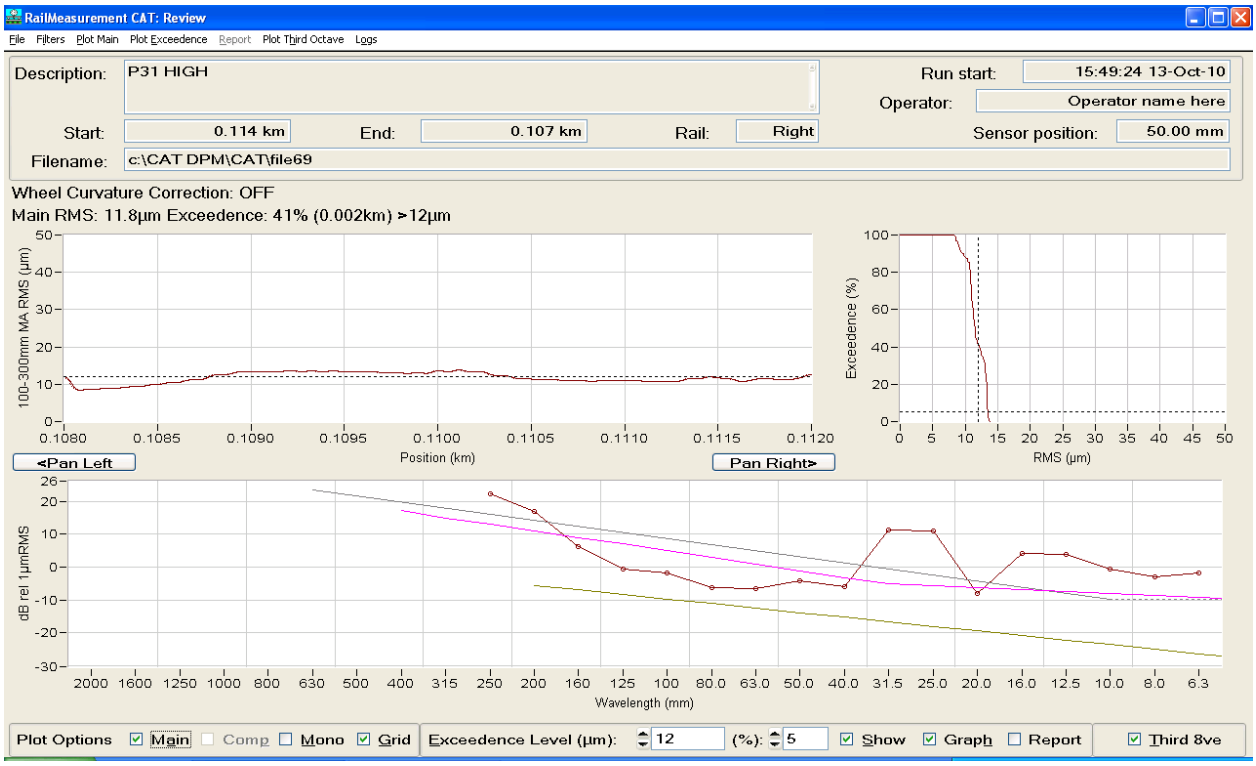

Figure 109 Curve p31 High Rail

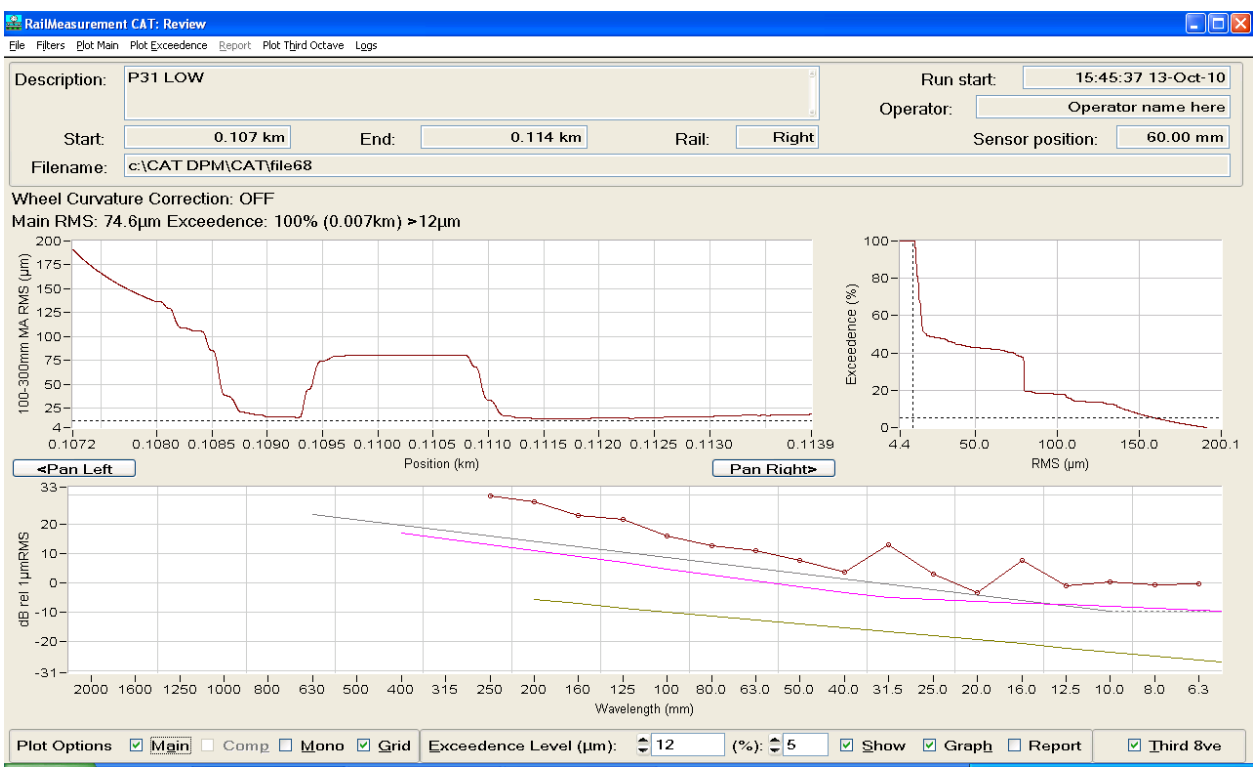

Figure 110 Curve p31 Low Rail

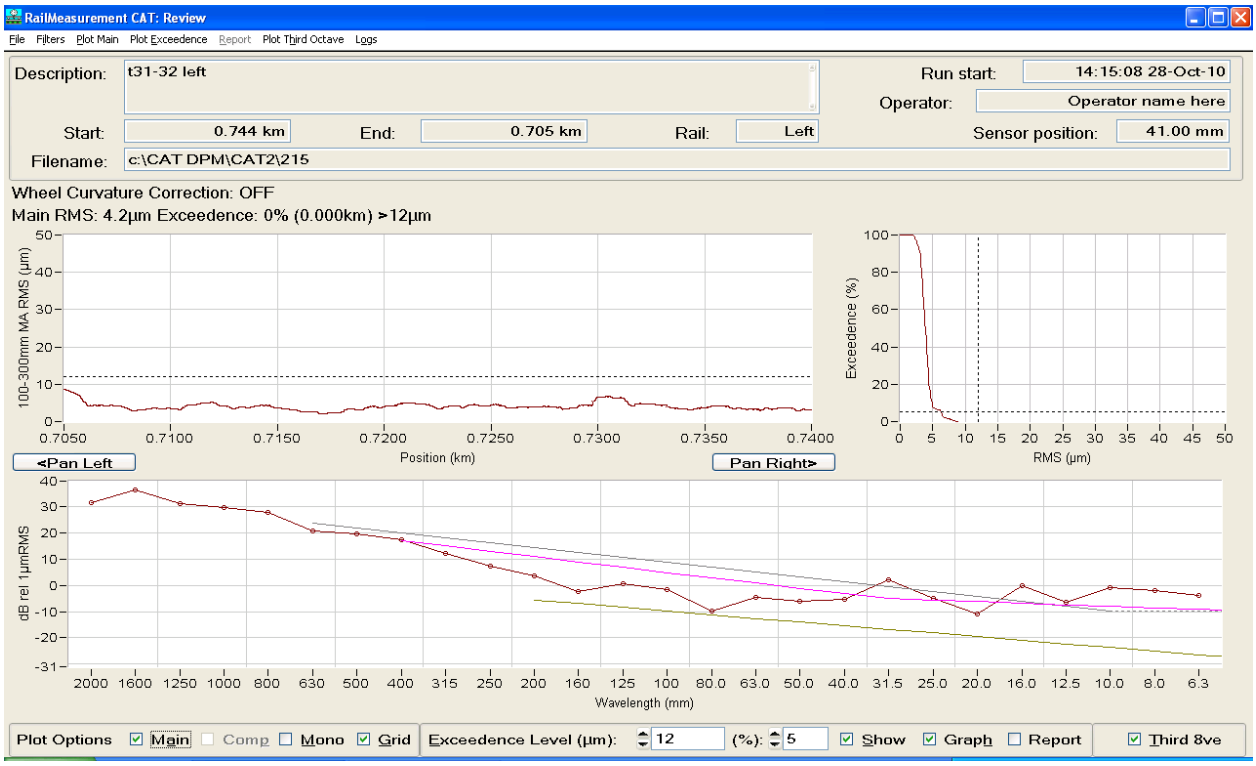

Figure 111 Tangent 31-32 Left Rail

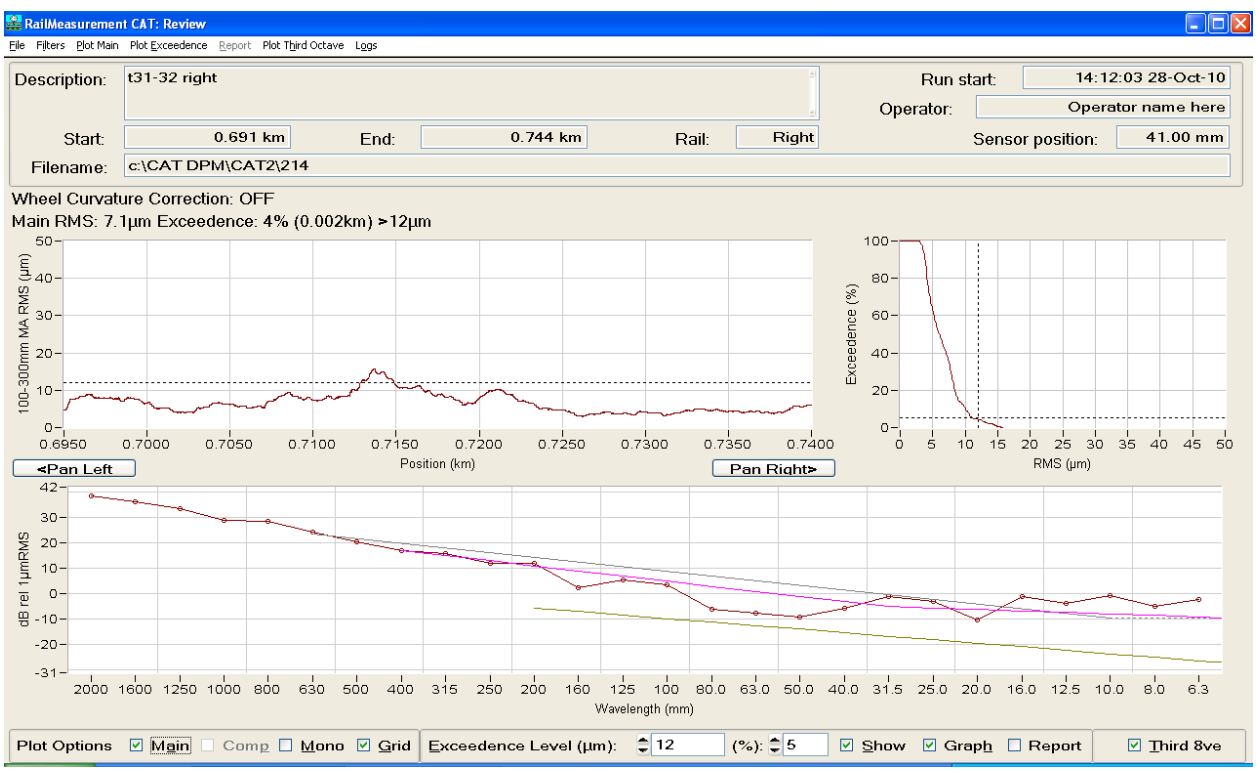

Figure 112 Tangent 31-32 Right Rail

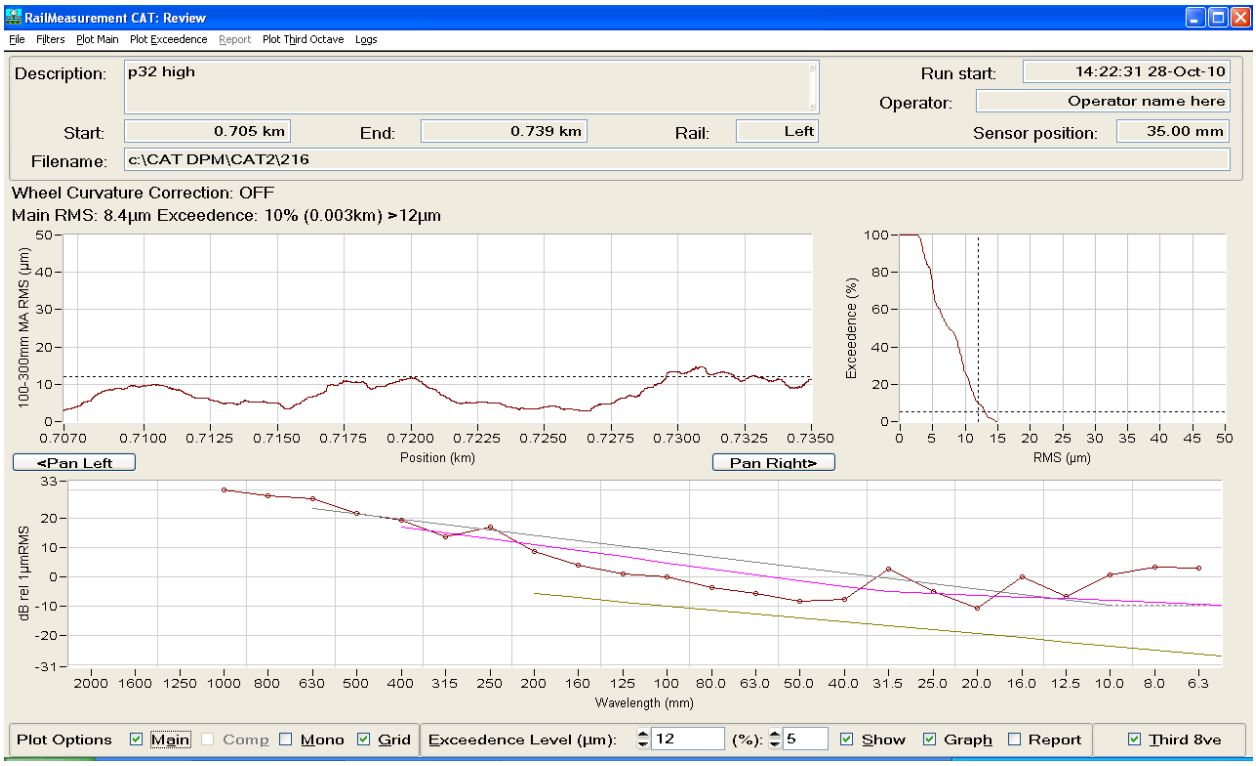

Figure 113 Curve p32 High Rail

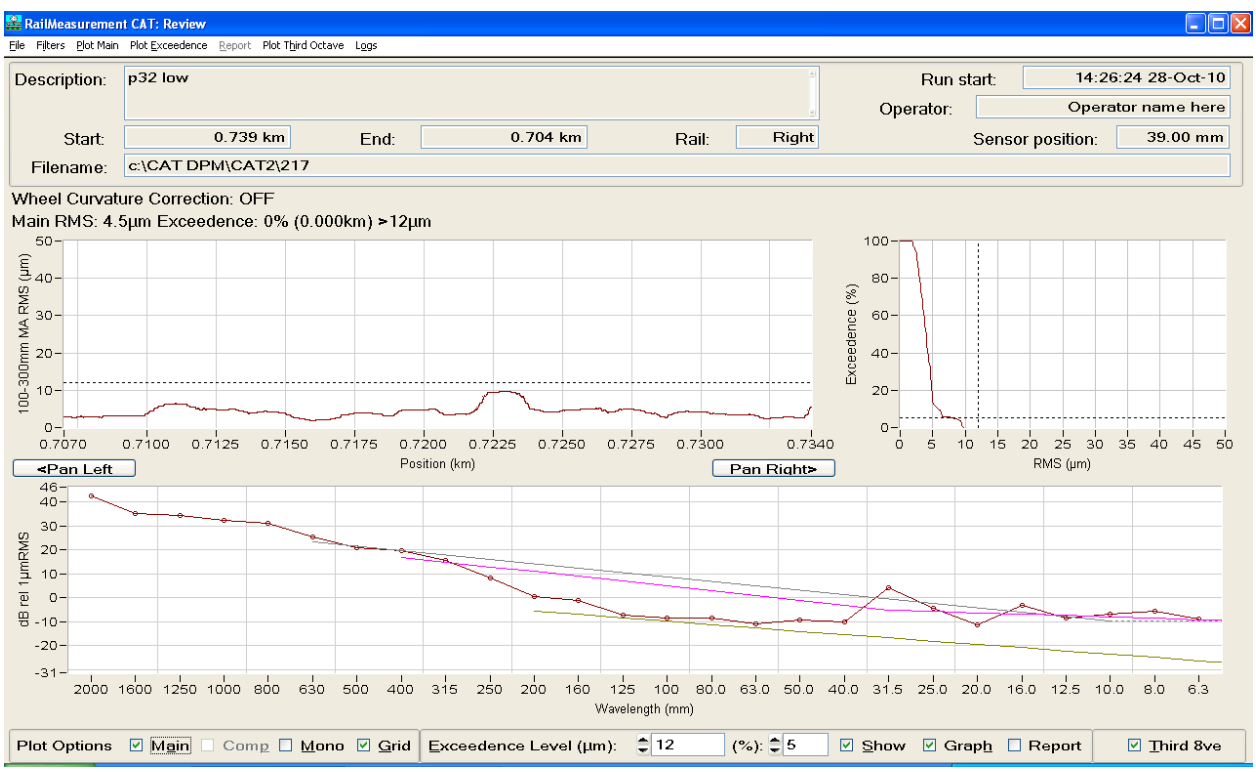

Figure 114 Curve p32 Low Rail

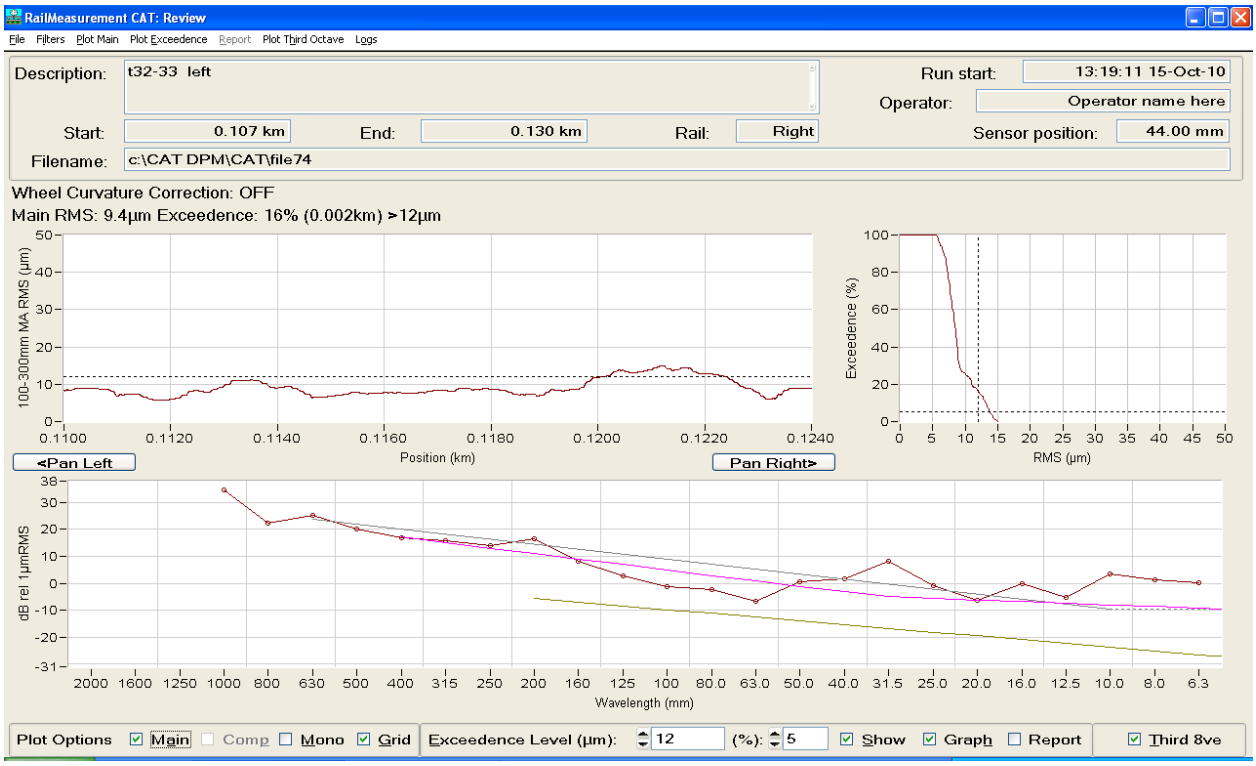

Figure 115 Tangent 32-33 Left Rail

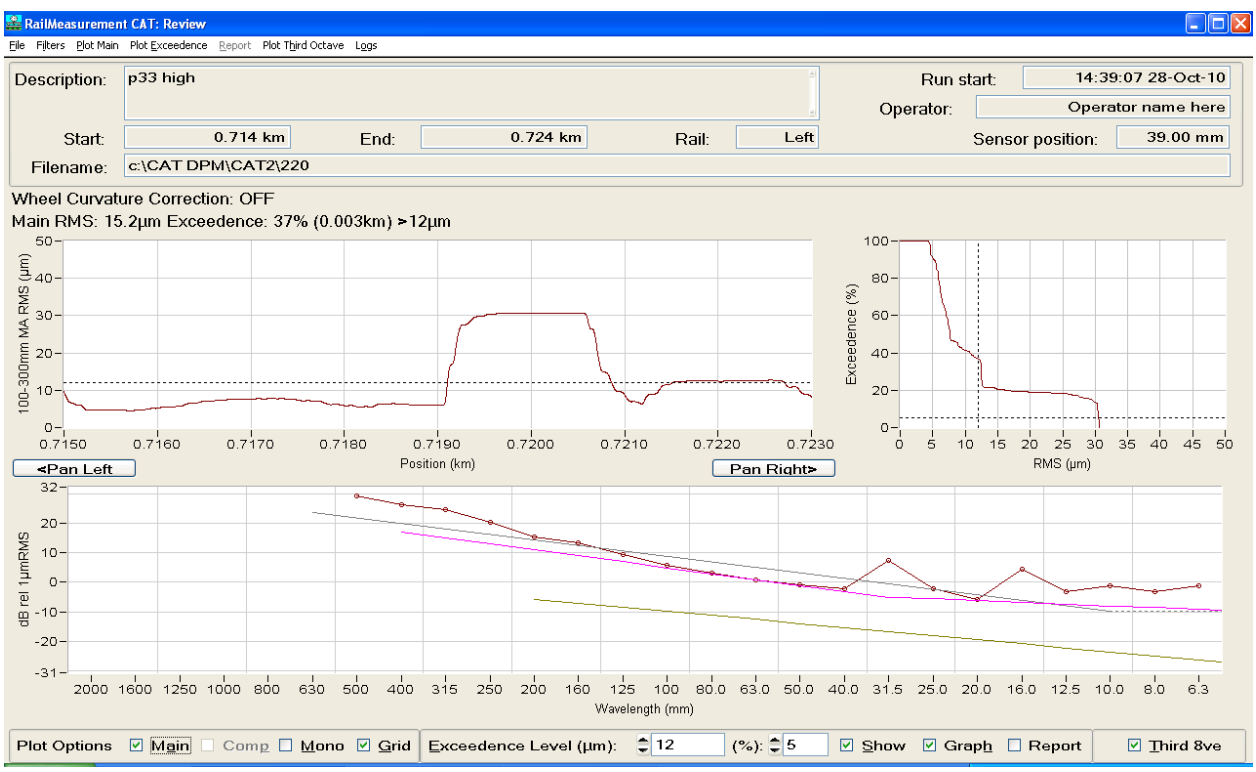

Figure 116 Curve p33 High Rail

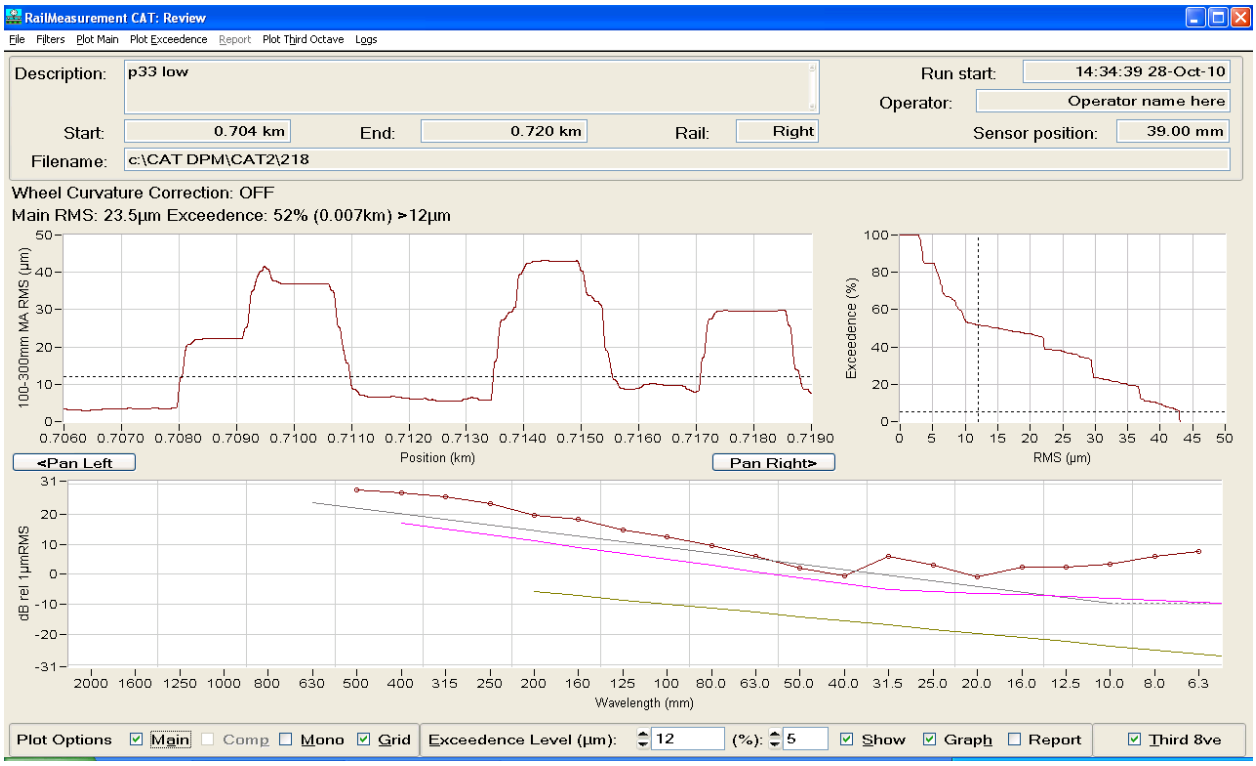

Figure 117 Curve p33 Low Rail

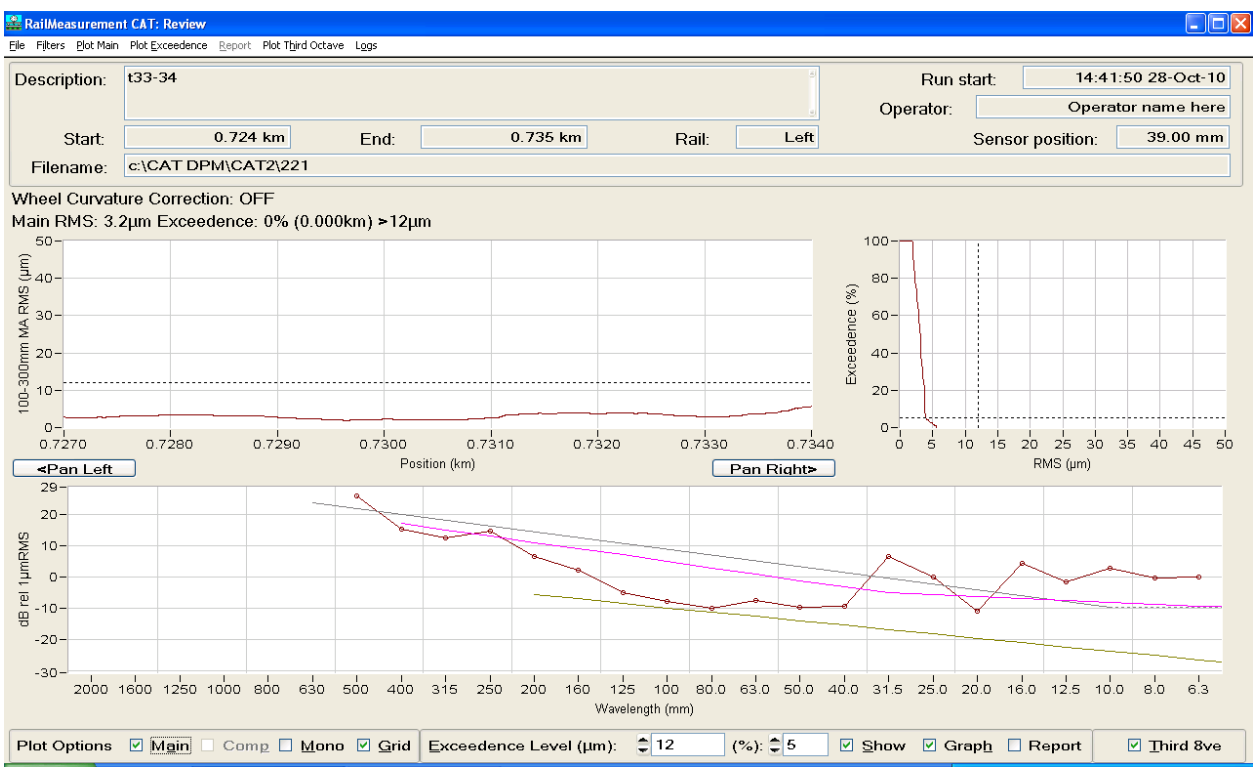

Figure 118 Tangent 33-34 Left Rail

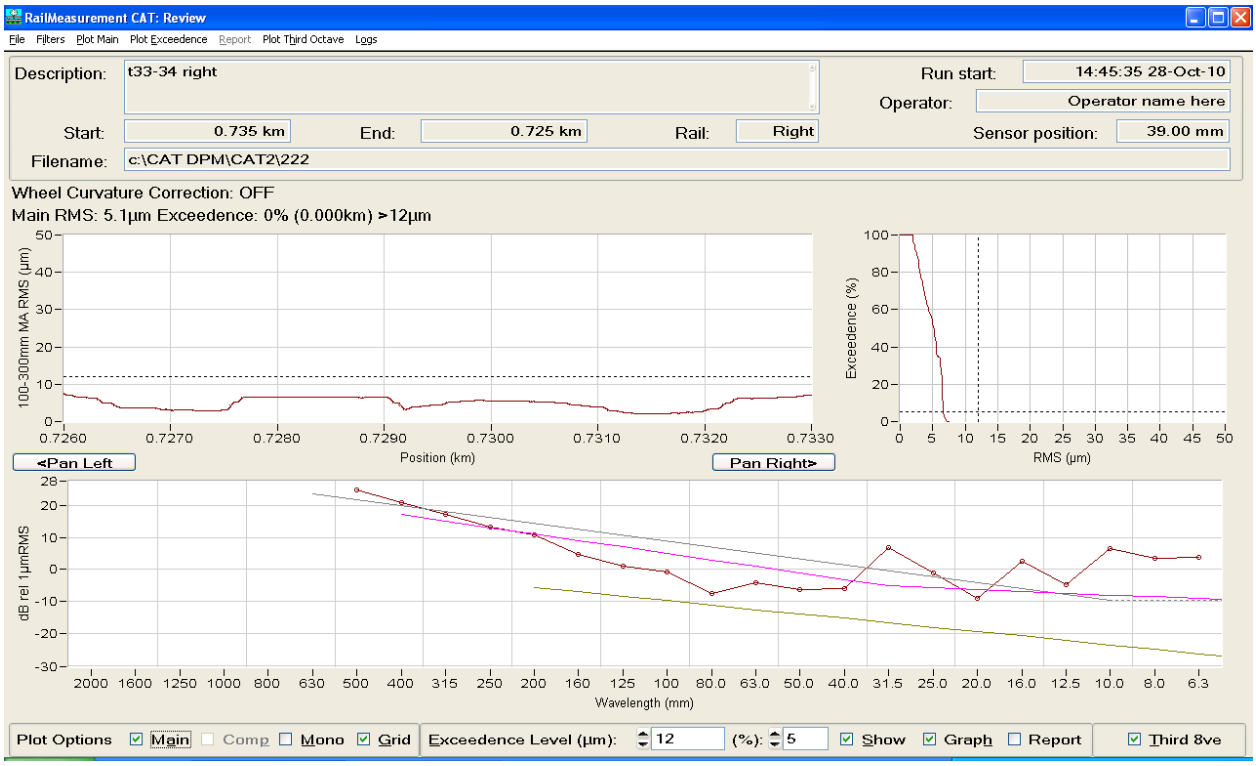

Figure 119 Tangent 33-34 Right Rail

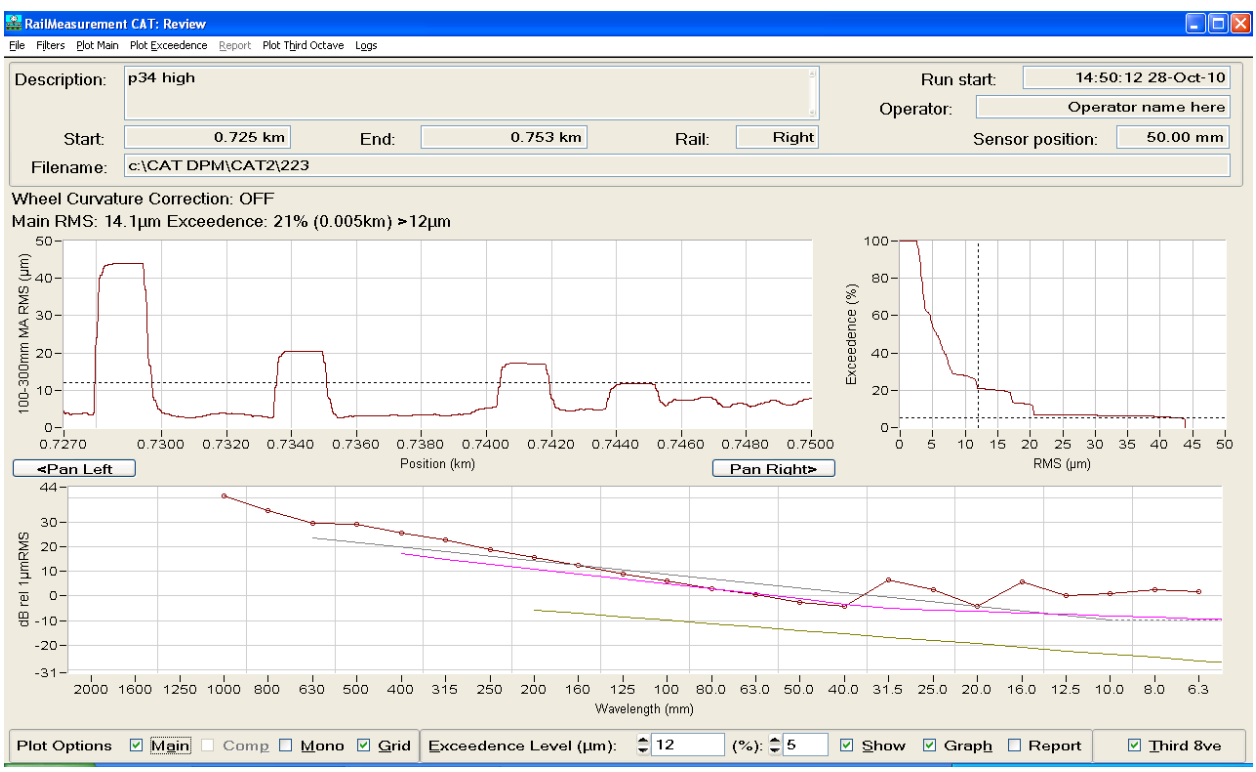

Figure 120 Curve p34 High Rail

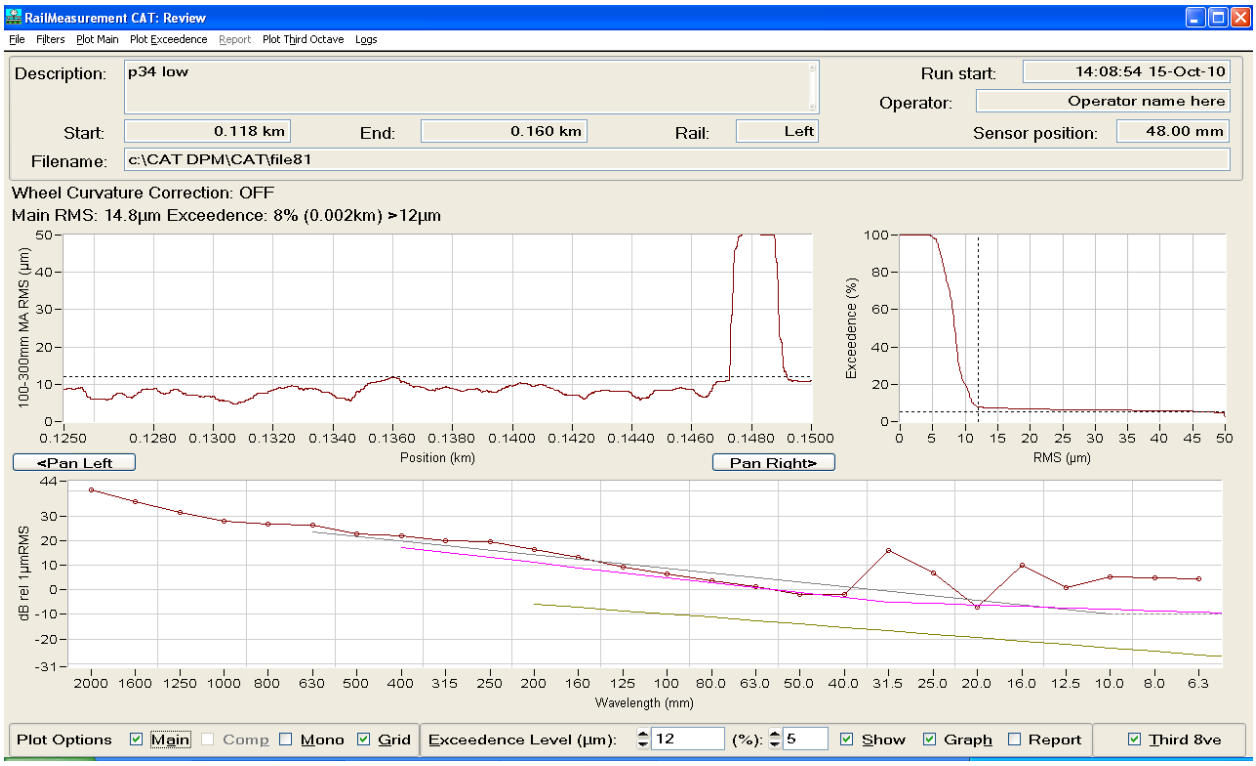

Figure 121 Curve p34 Low Rail

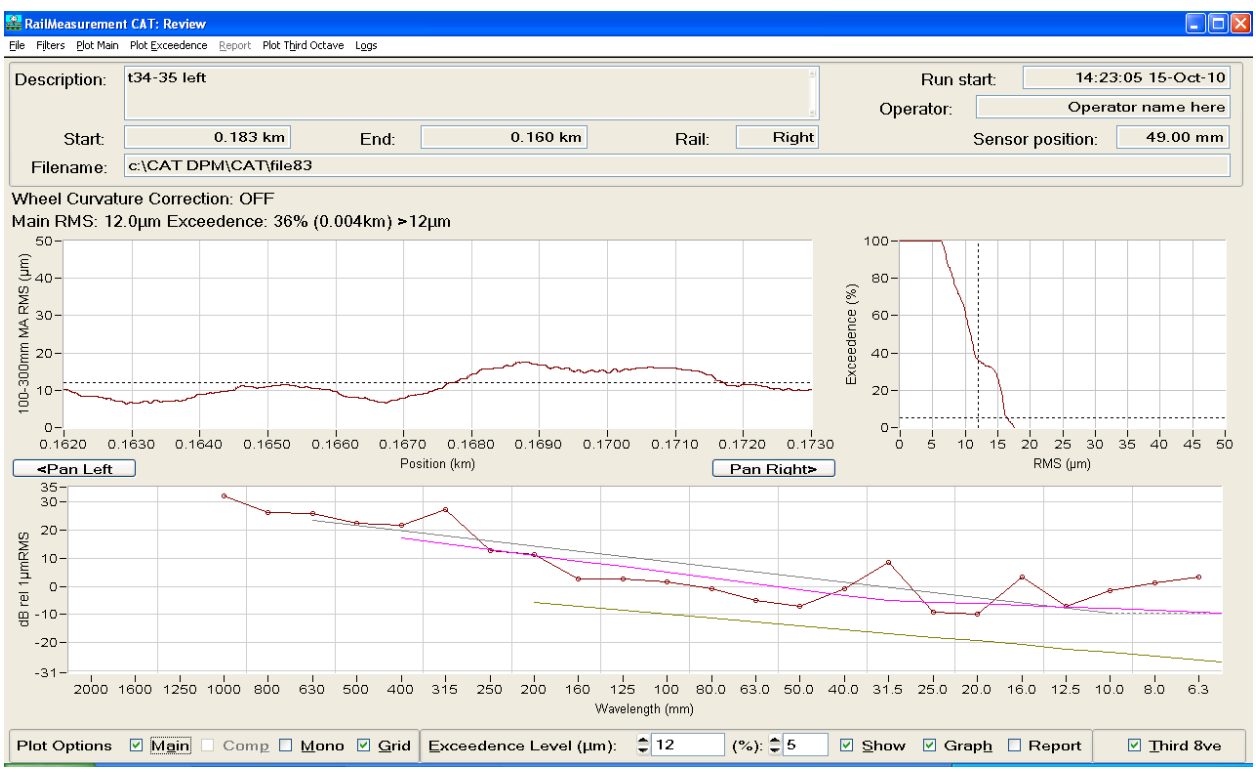

Figure 122 Tangent 34-35 Left Rail

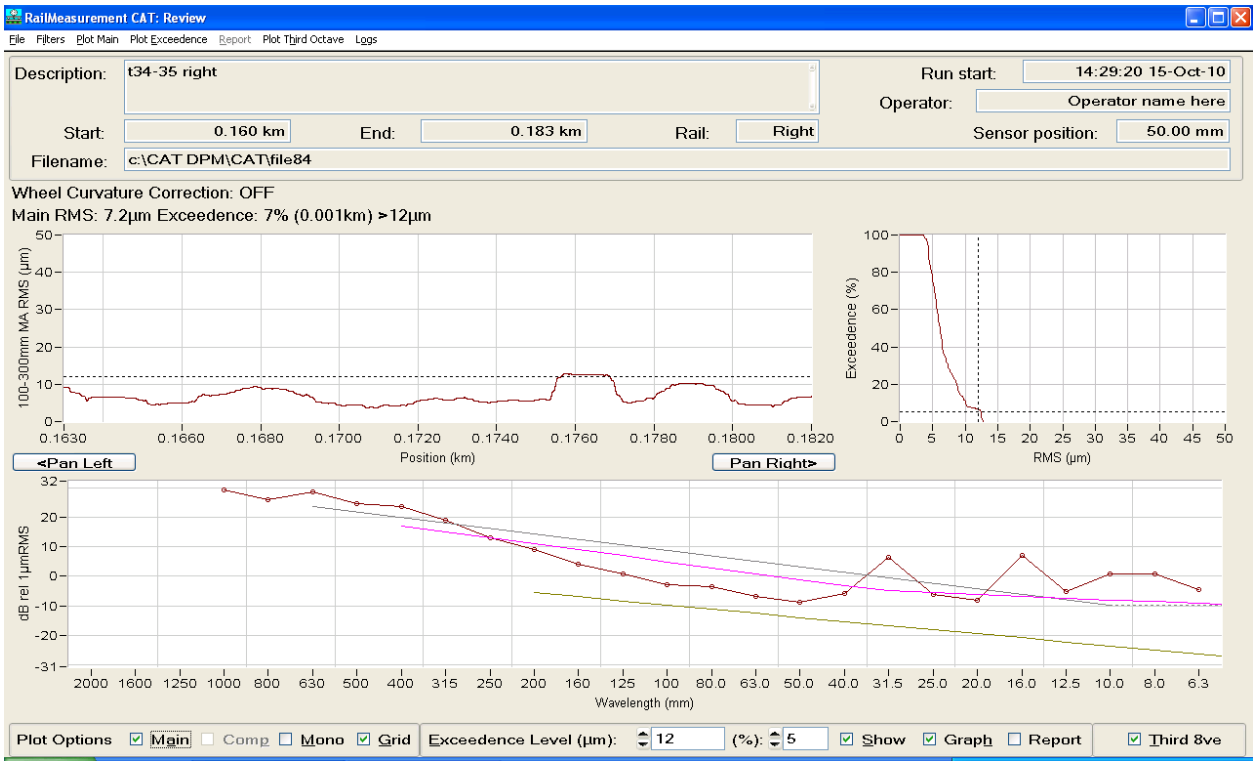

Figure 123 Tangent 34-35 Right Rail

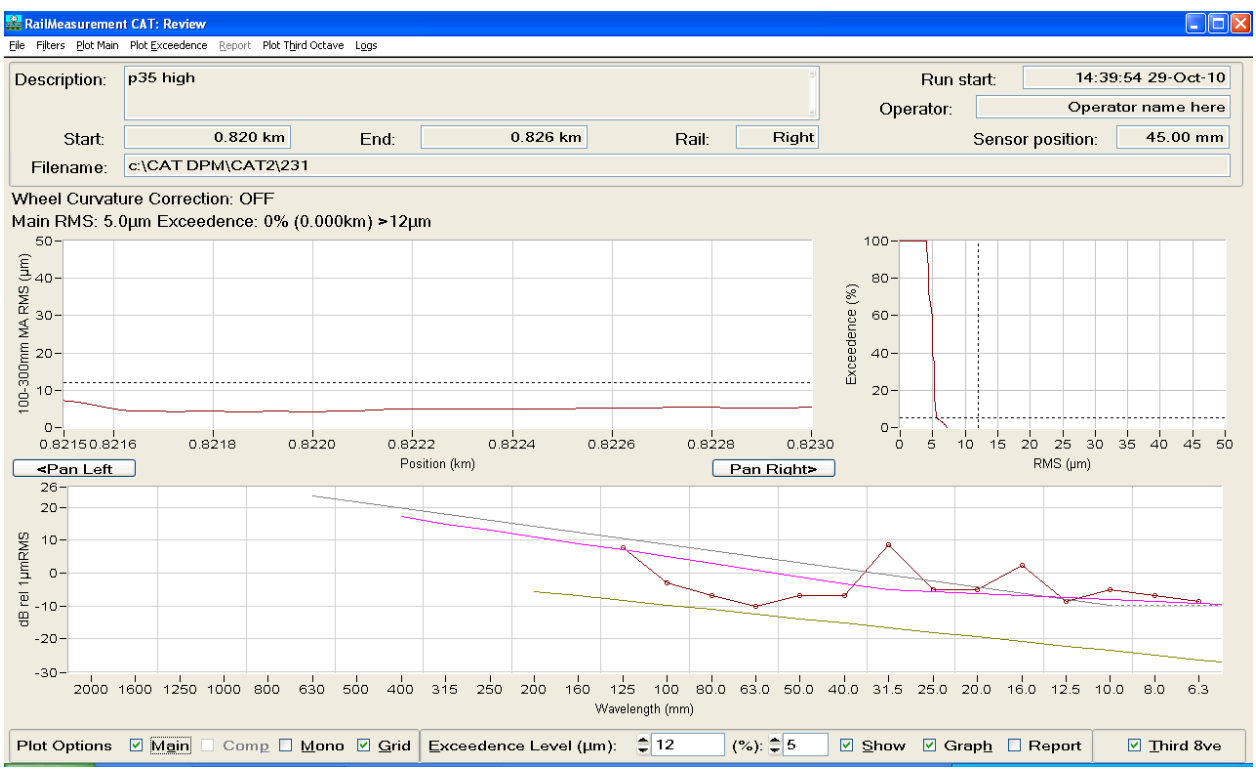

Figure 124 Curve p35 High Rail

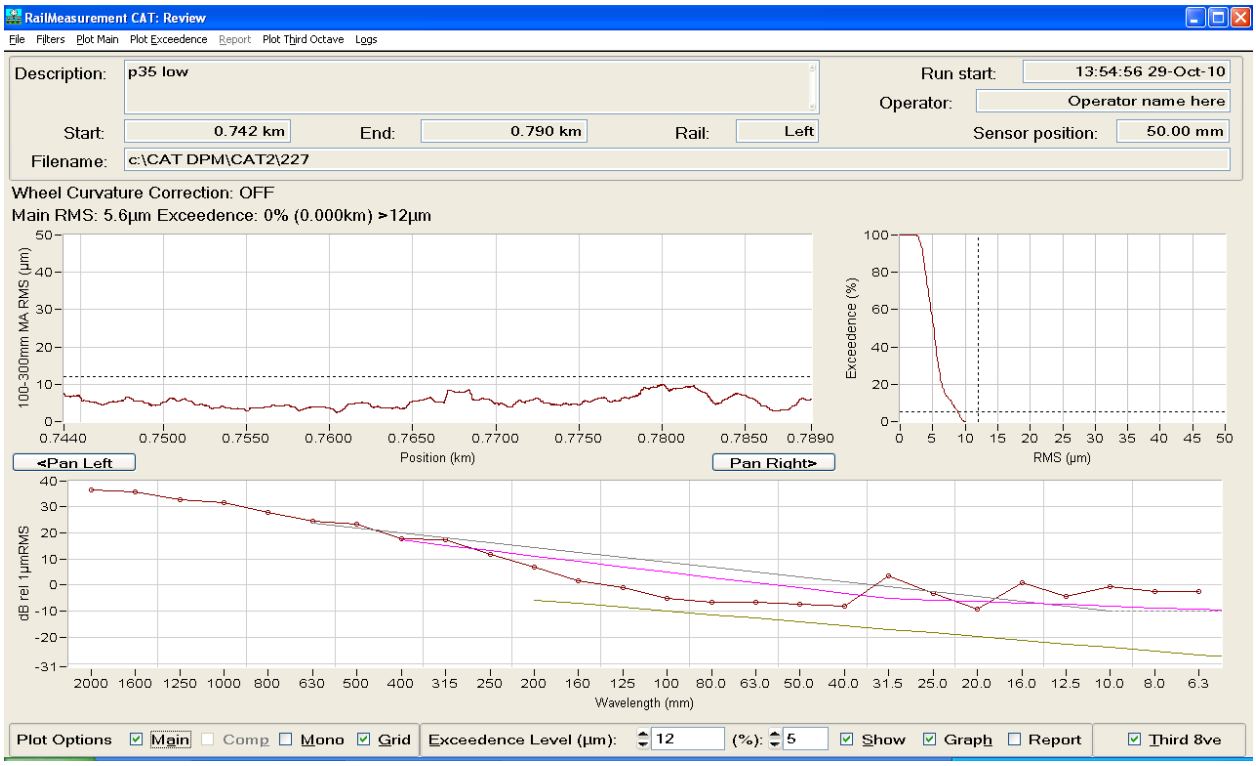

Figure 125 Curve p35 Low Rail

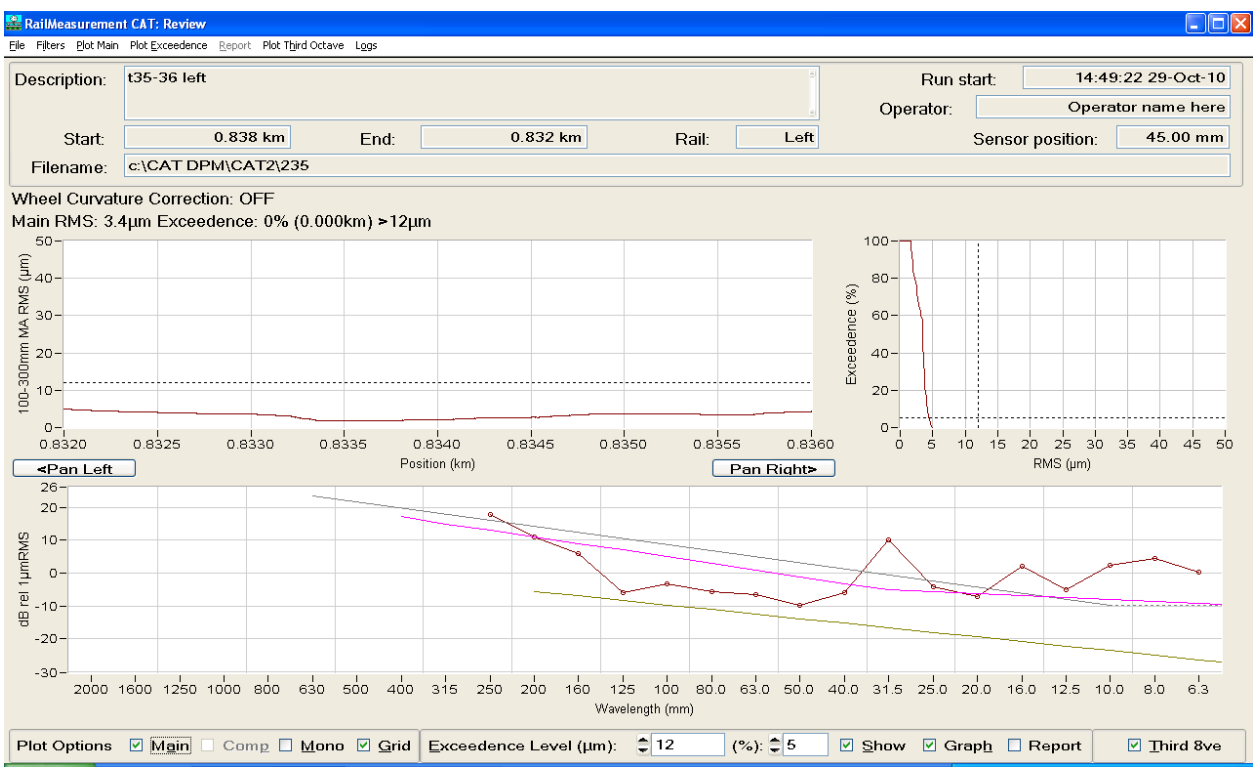

Figure 126 Tangent 35-36 Left Rail

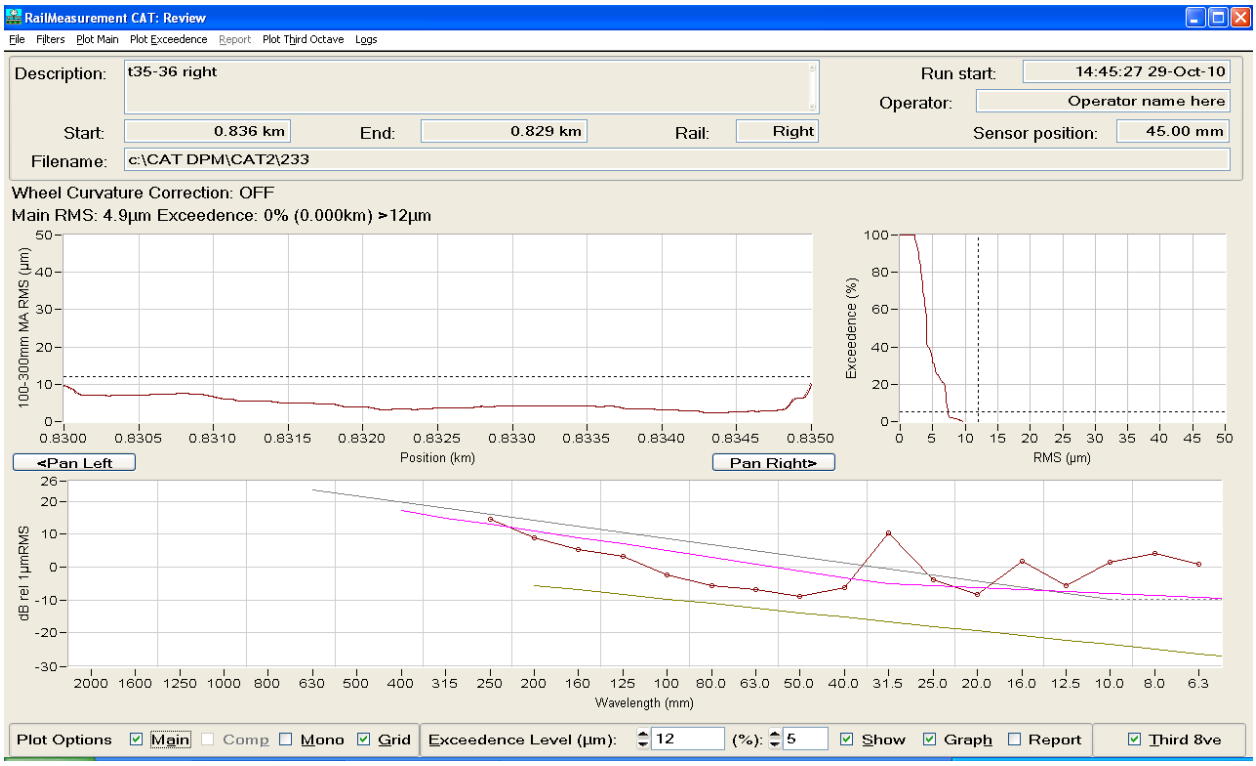

Figure 127 Tangent 35-36 Right Rail

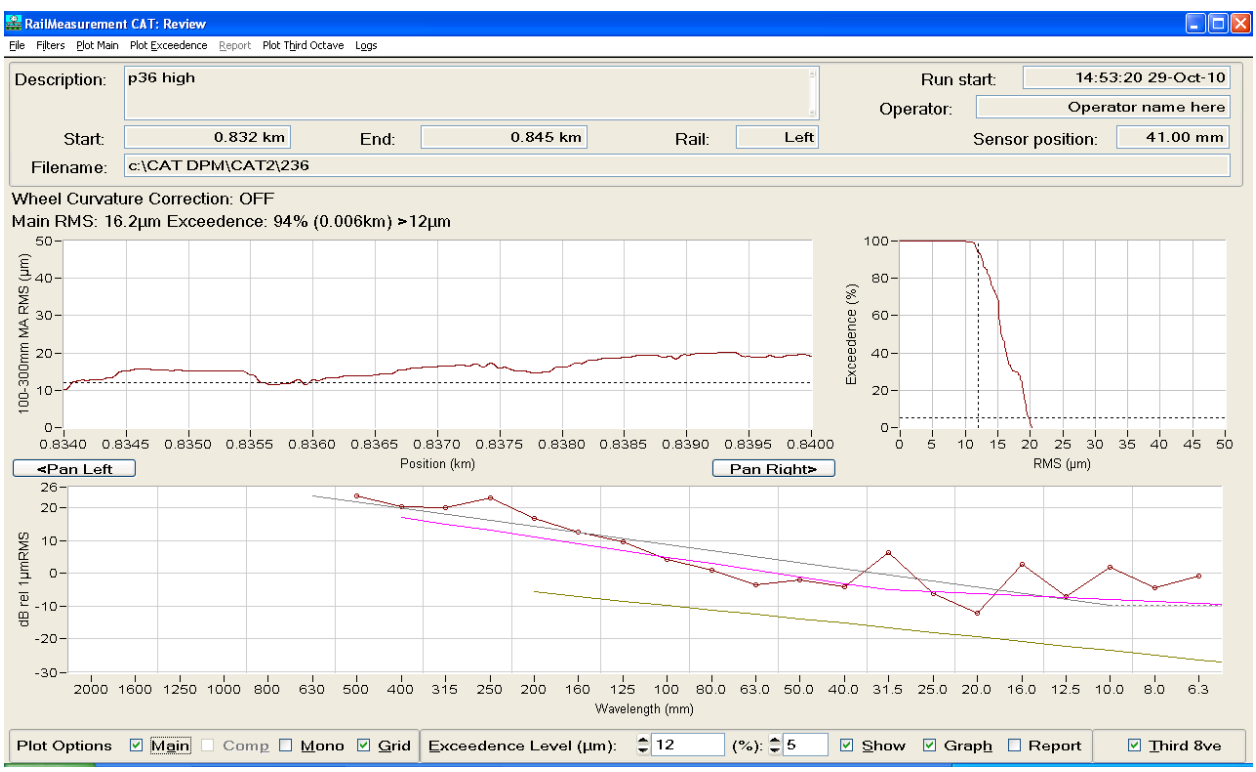

Figure 128 Curve p36 High Rail

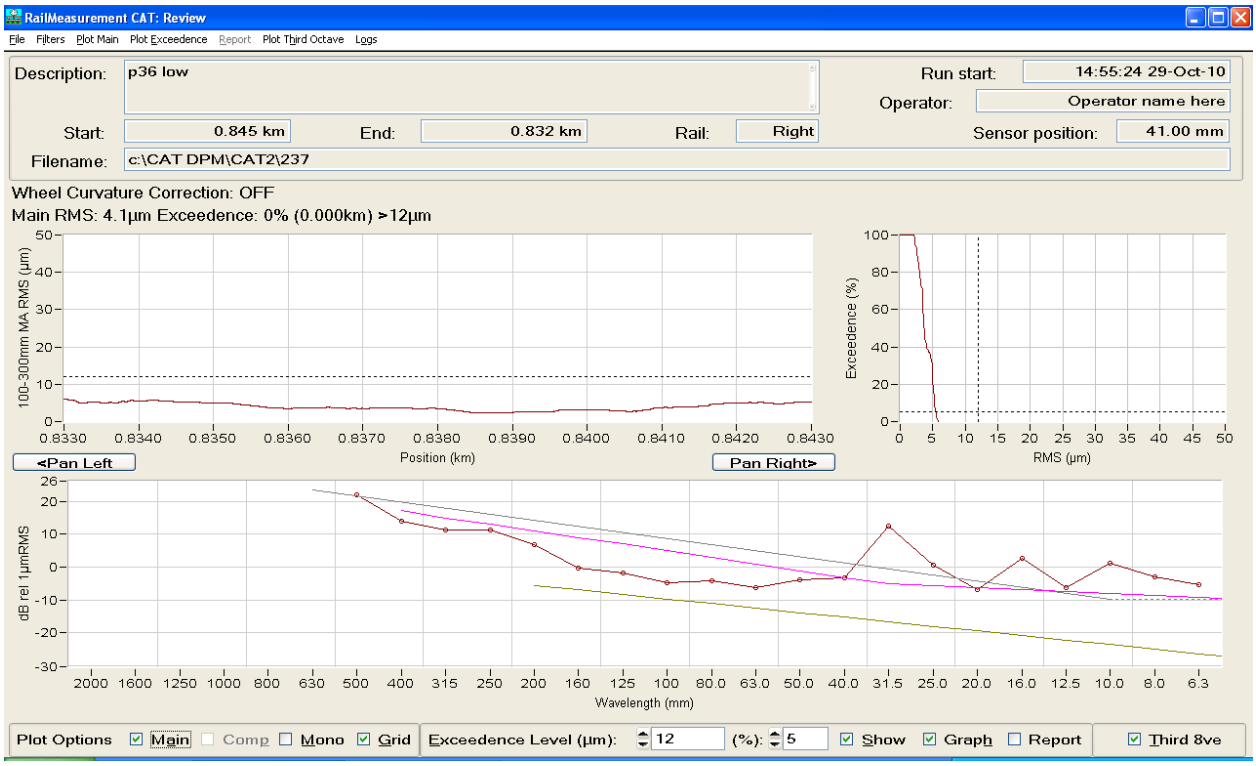

Figure 129 Curve p36 Low Rail

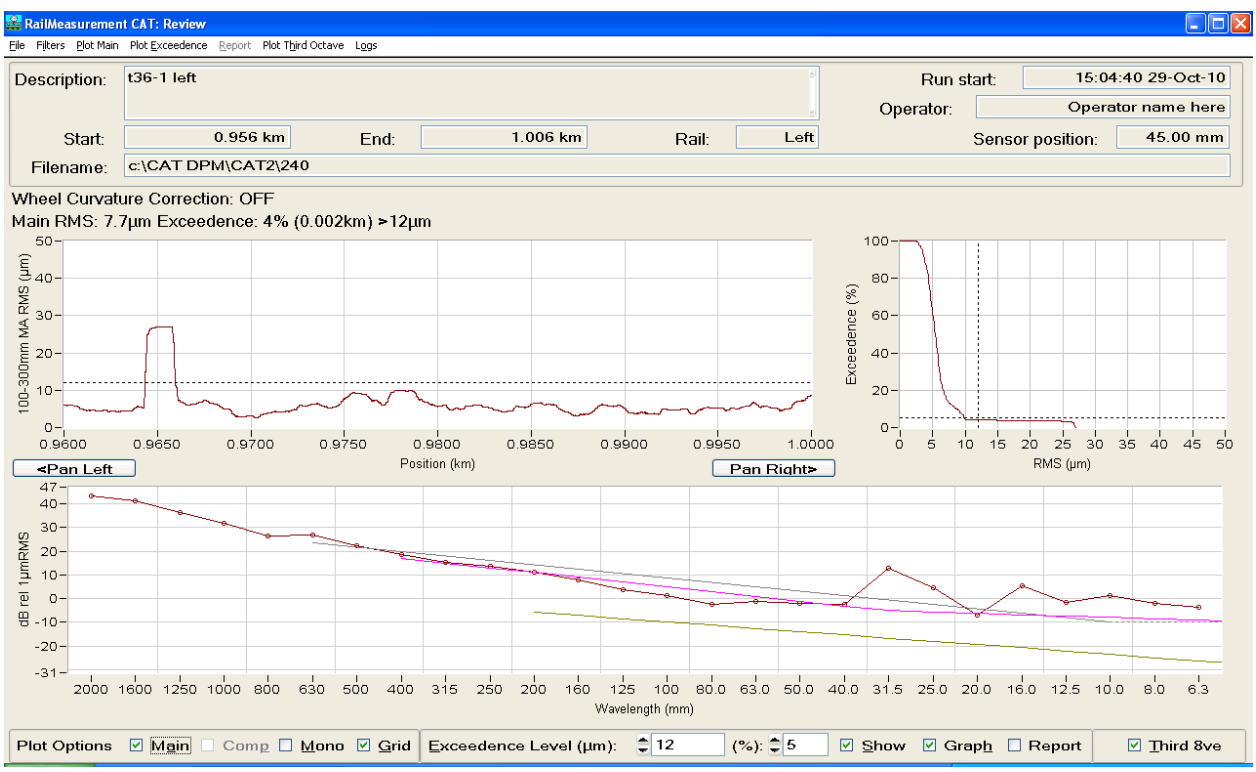

Figure 130 Tangent 36-1 Left Rail

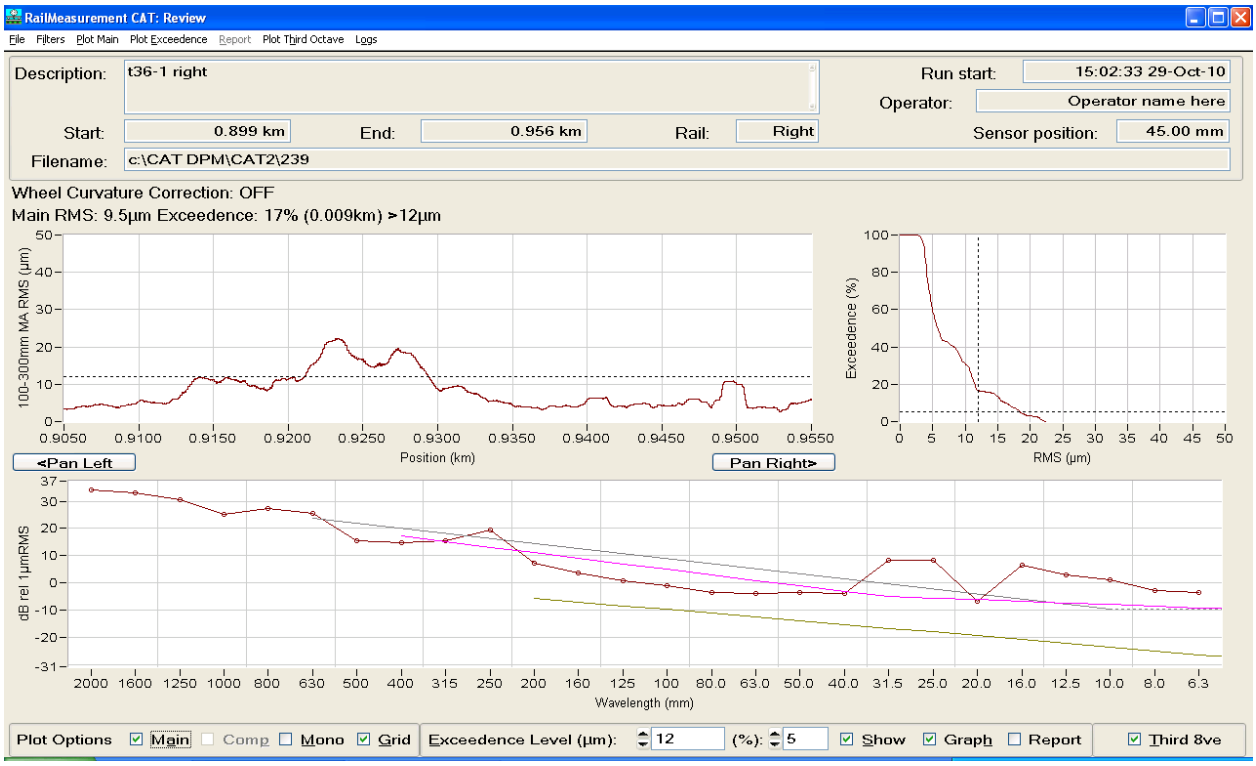

Figure 131 Tangent 36-1 Right Rail

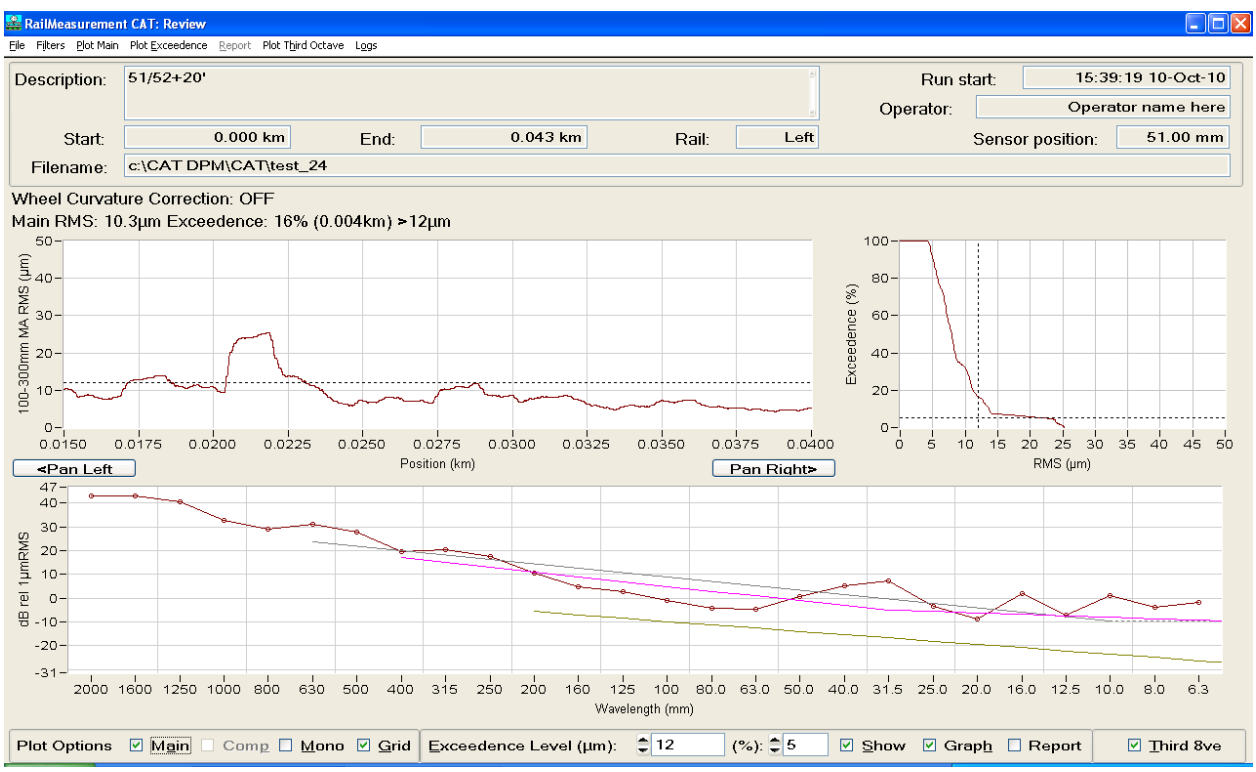

Figure 132 51/52+20'