Appendix A – Radiated and Conducted Emissions Measurement Data

A.1 Conducted Emissions Data

Conducted emissions limits do not apply to this Access BPL equipment

A.2 Radiated Emissions Data

A.2.1 1.705 MHz to 30 MHz

Date: June 8, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1102787900369834)
Location: CURRENT Technologies Orchard Hills Test Area – XFMR A2
Mode: LV Signaling (transmitting LV-signal, 4.4 MHz to 20.8 MHz, using nuttcp command)

Frequency (MHz)	Antenna Location	Antenna Height (m)	QP Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
4.49	*R45*	*1.0m*	*48.0*	*10.0m*	*-19.1*	*28.9*	*29.5*	*-0.6*
5.08	*R45*	*1.0m*	*46.8*	*10.0m*	*-19.1*	*27.7*	*29.5*	*-1.8*
8.79	*C180*	*1.0m*	*45.6*	*10.0m*	*-19.1*	*26.5*	*29.5*	*-3.0*
4.88	*R45*	*1.0m*	*45.5*	*10.0m*	*-19.1*	*26.4*	*29.5*	*-3.1*
4.69	*R45*	*1.0m*	*45.4*	*10.0m*	*-19.1*	*26.3*	*29.5*	*-3.2*
5.66	*R22.5*	*1.0m*	*51.3*	*7.0m*	*-25.3*	*26.0*	*29.5*	*-3.5*

Date: June 11, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1103787900369791)
Location: CURRENT Technologies Orchard Hills Test Area – XFMR B1
Mode: LV Signaling (transmitting LV-signal, 4.4 MHz to 20.8 MHz, using nuttcp command)

Frequency (MHz)	Antenna Location	Antenna Height (m)	QP Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
17.38	*R67.5*	*1.0m*	*48.0*	*10.0m*	*-19.1*	*28.9*	*29.5*	*-0.6*
17.19	*R67.5*	*1.0m*	*47.8*	*10.0m*	*-19.1*	*28.7*	*29.5*	*-0.8*
16.99	*L45*	*1.0m*	*46.6*	*10.0m*	*-19.1*	*27.5*	*29.5*	*-2.0*
17.58	*R67.5*	*1.0m*	*46.2*	*10.0m*	*-19.1*	*27.1*	*29.5*	*-2.4*
17.77	*R67.5*	*1.0m*	*45.8*	*10.0m*	*-19.1*	*26.7*	*29.5*	*-2.8*
12.50	*R157.5*	*1.0m*	*45.5*	*10.0m*	*-19.1*	*26.4*	*29.5*	*-3.1*

Date: June 13, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1103787900369791)
Location: CURRENT Technologies Orchard Hills Test Area – XFMR C1
Mode: LV Signaling (transmitting LV-signal, 4.4 MHz to 20.8 MHz, using nuttcp command)

Frequency (MHz)	Antenna Location	Antenna Height (m)	QP Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
10.35	*R22.5*	*1.0m*	*52.8*	*7.2m*	*-24.8*	*28.0*	*29.5*	*-1.5*
10.55	*L67.5*	*1.0m*	*50.0*	*8.3m*	*-22.3*	*27.7*	*29.5*	*-1.9*
16.21	*R67.5*	*1.0m*	*46.4*	*10.0m*	*-19.1*	*27.3*	*29.5*	*-2.2*
10.74	*L67.5*	*1.0m*	*49.3*	*8.3m*	*-22.3*	*27.0*	*29.5*	*-2.6*
9.96	*R67.5*	*1.0m*	*45.8*	*10.0m*	*-19.1*	*26.7*	*29.5*	*-2.8*
16.41	*R67.5*	*1.0m*	*45.0*	*10.0m*	*-19.1*	*25.9*	*29.5*	*-3.6*

Date: May 31, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 1101776900369810)
Location: CURRENT Technologies Field Research and Test Area – XFMR X1
Mode: Upstream MV1 (transmitting high-density QAM signal on MV wire, 22.6 MHz to 24.2 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
22.78	*C0*	*1.0m*	*37.88*	*10.0m*	*-19.08*	*18.80*	*29.54*	*-10.7*
23.66	*L22.5*	*1.0m*	*37.66*	*10.0m*	*-19.08*	*18.58*	*29.54*	*-11.0*
22.81	*R67.5*	*1.0m*	*37.62*	*10.0m*	*-19.08*	*18.54*	*29.54*	*-11.0*
23.66	*C0*	*1.0m*	*37.51*	*10.0m*	*-19.08*	*18.43*	*29.54*	*-11.1*
23.85	*L22.5*	*1.0m*	*37.36*	*10.0m*	*-19.08*	*18.28*	*29.54*	*-11.3*
22.75	*R22.5*	*1.0m*	*37.21*	*10.0m*	*-19.08*	*18.13*	*29.54*	*-11.4*

Date: June 4, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 1101776900369810)
Location: CURRENT Technologies Field Research and Test Area – XFMR X3
Mode: Upstream MV1 (transmitting high-density QAM signal on MV wire, 22.6 MHz to 24.2 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
23.08	*L22.5*	*1.0m*	*44.65*	*10.0m*	*-19.08*	*25.57*	*29.54*	*-4.0*
23.45	*L22.5*	*1.0m*	*43.98*	*10.0m*	*-19.08*	*24.90*	*29.54*	*-4.6*
23.78	*L45*	*1.0m*	*37.19*	*10.0m*	*-19.08*	*18.11*	*29.54*	*-11.4*
23.08	*R22.5*	*1.0m*	*36.55*	*10.0m*	*-19.08*	*17.47*	*29.54*	*-12.1*
23.82	*R67.5*	*1.0m*	*36.25*	*10.0m*	*-19.08*	*17.17*	*29.54*	*-12.4*
23.48	*L90*	*1.0m*	*35.89*	*10.0m*	*-19.08*	*16.81*	*29.54*	*-12.7*

Date: June 5, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 1101776900369810)
Location: CURRENT Technologies Field Research and Test Area – XFMR X5
Mode: Upstream MV1 (transmitting high-density QAM signal on MV wire, 22.6 MHz to 24.2 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
23.58	*R22.5*	*1.0m*	*40.64*	*10.0m*	*-19.08*	*21.56*	*29.54*	*-8.0*
23.60	*C0*	*1.0m*	*40.35*	*10.0m*	*-19.08*	*21.27*	*29.54*	*-8.3*
23.79	*R22.5*	*1.0m*	*39.36*	*10.0m*	*-19.08*	*20.28*	*29.54*	*-9.3*
23.23	*C0*	*1.0m*	*38.90*	*10.0m*	*-19.08*	*19.82*	*29.54*	*-9.7*
23.15	*L22.5*	*1.0m*	*35.70*	*10.0m*	*-19.08*	*16.62*	*29.54*	*-12.9*
23.72	*L45*	*1.0m*	*35.38*	*10.0m*	*-19.08*	*16.30*	*29.54*	*-13.2*

Date: May 31, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1102787900369833)
Location: CURRENT Technologies Field Research and Test Area – XFMR X1
Mode: Upstream MV2 (transmitting high-density QAM signal on MV wire, 24.5 MHz to 26.1 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
25.32	*L22.5*	*1.0m*	*44.44*	*10.0m*	*-19.08*	*25.36*	*29.54*	*-4.2*
25.16	*L22.5*	*1.0m*	*42.98*	*10.0m*	*-19.08*	*23.90*	*29.54*	*-5.6*
25.31	*L90*	*1.0m*	*42.37*	*10.0m*	*-19.08*	*23.29*	*29.54*	*-6.3*
25.45	*L90*	*1.0m*	*42.35*	*10.0m*	*-19.08*	*23.27*	*29.54*	*-6.3*
25.31	*L112.5*	*1.0m*	*41.23*	*10.0m*	*-19.08*	*22.15*	*29.54*	*-7.4*
25.20	*L112.5*	*1.0m*	*41.22*	*10.0m*	*-19.08*	*22.14*	*29.54*	*-7.4*

Date: June 4, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1102787900369833)
Location: CURRENT Technologies Field Research and Test Area – XFMR X3
Mode: Upstream MV2 (transmitting high-density QAM signal on MV wire, 24.5 MHz to 26.1 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
25.85	*L22.5*	*1.0m*	*45.63*	*10.0m*	*-19.08*	*26.55*	*29.54*	*-3.0*
25.81	*R22.5*	*1.0m*	*44.22*	*10.0m*	*-19.08*	*25.14*	*29.54*	*-4.4*
25.80	*R45*	*1.0m*	*43.47*	*10.0m*	*-19.08*	*24.39*	*29.54*	*-5.2*
25.77	*L45*	*1.0m*	*43.19*	*10.0m*	*-19.08*	*24.11*	*29.54*	*-5.4*
25.41	*L22.5*	*1.0m*	*42.66*	*10.0m*	*-19.08*	*23.58*	*29.54*	*-6.0*
25.85	*C0*	*1.0m*	*48.57*	*7.0m*	*-25.28*	*23.29*	*29.54*	*-6.3*

Date: June 5, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1103787900369788)
Location: CURRENT Technologies Field Research and Test Area – XFMR X5
Mode: Upstream MV2 (transmitting high-density QAM signal on MV wire, 24.5 MHz to 26.1 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
25.57	*C0*	*1.0m*	*41.97*	*10.0m*	*-19.08*	*22.89*	*29.54*	*-6.7*
25.77	*C0*	*1.0m*	*41.00*	*10.0m*	*-19.08*	*21.92*	*29.54*	*-7.6*
25.46	*R22.5*	*1.0m*	*40.63*	*10.0m*	*-19.08*	*21.55*	*29.54*	*-8.0*
25.21	*R22.5*	*1.0m*	*40.33*	*10.0m*	*-19.08*	*21.25*	*29.54*	*-8.3*
25.52	*L22.5*	*1.0m*	*38.94*	*10.0m*	*-19.08*	*19.86*	*29.54*	*-9.7*
25.73	*L22.5*	*1.0m*	*36.52*	*10.0m*	*-19.08*	*17.44*	*29.54*	*-12.1*

Date: June 1, 2007
EUT: CT Bridge URD 5010mv3 (S/N: 1103787900369814)
Location: CURRENT Technologies Field Research and Test Area – XFMR X1
Mode: Upstream MV3 (transmitting high-density QAM signal on MV wire, 26.4 MHz to 28.0 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
26.88	*R22.5*	*1.0m*	*46.16*	*10.0m*	*-19.08*	*27.08*	*29.54*	*-2.5*
26.58	*C0*	*1.0m*	*45.44*	*10.0m*	*-19.08*	*26.36*	*29.54*	*-3.2*
26.69	*R22.5*	*1.0m*	*45.22*	*10.0m*	*-19.08*	*26.14*	*29.54*	*-3.4*
26.80	*C0*	*1.0m*	*44.64*	*10.0m*	*-19.08*	*25.56*	*29.54*	*-4.0*
26.61	*L22.5*	*1.0m*	*39.93*	*10.0m*	*-19.08*	*20.85*	*29.54*	*-8.7*
26.80	*L22.5*	*1.0m*	*38.79*	*10.0m*	*-19.08*	*19.71*	*29.54*	*-9.8*

Date: June 4, 2007
EUT: CT Bridge URD 5010mv3 (S/N: 1103787900369814)
Location: CURRENT Technologies Field Research and Test Area – XFMR X3
Mode: Upstream MV3 (transmitting high-density QAM signal on MV wire, 26.4 MHz to 28.0 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
27.69	*L22.5*	*1.0m*	*41.75*	*10.0m*	*-19.08*	*22.67*	*29.54*	*-6.9*
26.81	*C0*	*1.0m*	*47.79*	*7.0m*	*-25.28*	*22.51*	*29.54*	*-7.0*
27.73	*R22.5*	*1.0m*	*41.29*	*10.0m*	*-19.08*	*22.21*	*29.54*	*-7.3*
27.76	*C0*	*1.0m*	*46.93*	*7.0m*	*-25.28*	*21.65*	*29.54*	*-7.9*
27.68	*L45*	*1.0m*	*40.18*	*10.0m*	*-19.08*	*21.10*	*29.54*	*-8.4*
27.25	*L22.5*	*1.0m*	*39.63*	*10.0m*	*-19.08*	*20.55*	*29.54*	*-9.0*

Date: June 5, 2007
EUT: CT Bridge URD 5010mv3 (S/N: 1103787900369814)
Location: CURRENT Technologies Field Research and Test Area – XFMR X5
Mode: Upstream MV3 (transmitting high-density QAM signal on MV wire, 26.4 MHz to 28.0 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 30m (dB)	QP Level Corrected to 30m (dBµV/m)	30m Limit (dBµV/m)	Margin (dB)
26.60	*C0*	*1.0m*	*40.60*	*10.0m*	*-19.08*	*21.52*	*29.54*	*-8.0*
26.63	*R22.5*	*1.0m*	*40.19*	*10.0m*	*-19.08*	*21.11*	*29.54*	*-8.4*
27.28	*R22.5*	*1.0m*	*39.62*	*10.0m*	*-19.08*	*20.54*	*29.54*	*-9.0*
27.26	*C0*	*1.0m*	*39.44*	*10.0m*	*-19.08*	*20.36*	*29.54*	*-9.2*
26.61	*L22.5*	*1.0m*	*37.42*	*10.0m*	*-19.08*	*18.34*	*29.54*	*-11.2*
27.20	*L22.5*	*1.0m*	*36.93*	*10.0m*	*-19.08*	*17.85*	*29.54*	*-11.7*

A.2.2 30 MHz to 50 MHz

Date: May 31, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 1101776900369810)
Location: CURRENT Technologies Field Research and Test Area – XFMR X1
Mode: Downstream MV1 (transmitting high-density QAM signal on MV wire, 29.7 MHz to 35.7 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
33.96	*R112.5*	*1.0m*	*49.05*	*3.0m*	*-10.46*	*38.59*	*39.08*	*-0.5*
30.59	*R135*	*1.0m*	*48.22*	*3.0m*	*-10.46*	*37.76*	*39.08*	*-1.3*
34.08	*L90*	*1.0m*	*48.01*	*3.0m*	*-10.46*	*37.55*	*39.08*	*-1.5*
30.55	*R67.5*	*1.0m*	*46.73*	*3.0m*	*-10.46*	*36.27*	*39.08*	*-2.8*
34.47	*C180*	*1.0m*	*45.45*	*3.0m*	*-10.46*	*34.99*	*39.08*	*-4.1*
34.58	*L135*	*1.0m*	*45.41*	*3.0m*	*-10.46*	*34.95*	*39.08*	*-4.1*

Date: June 4, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 1101776900369810)
Location: CURRENT Technologies Field Research and Test Area – XFMR X3
Mode: Downstream MV1 (transmitting high-density QAM signal on MV wire, 29.7 MHz to 35.7 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
32.34	*L90*	*1.0m*	*42.80*	*3.0m*	*-10.46*	*32.34*	*39.08*	*-6.7*
34.14	*R45*	*1.0m*	*41.63*	*3.0m*	*-10.46*	*31.17*	*39.08*	*-7.9*
32.02	*L45*	*1.0m*	*41.08*	*3.0m*	*-10.46*	*30.62*	*39.08*	*-8.5*
34.81	*L45*	*1.0m*	*41.00*	*3.0m*	*-10.46*	*30.54*	*39.08*	*-8.5*
34.04	*C180*	*1.0m*	*39.17*	*3.0m*	*-10.46*	*28.71*	*39.08*	*-10.4*
32.39	*R90*	*1.0m*	*38.84*	*3.0m*	*-10.46*	*28.38*	*39.08*	*-10.7*

Date: June 5, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 1101776900369810)
Location: CURRENT Technologies Field Research and Test Area – XFMR X5
Mode: Downstream MV1 (transmitting high-density QAM signal on MV wire, 29.7 MHz to 35.7 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
30.59	*C180*	*1.0m*	*45.55*	*3.0m*	*-10.46*	*35.09*	*39.08*	*-4.0*
32.27	*L45*	*1.0m*	*44.98*	*3.0m*	*-10.46*	*34.52*	*39.08*	*-4.6*
34.05	*L45*	*1.0m*	*44.38*	*3.0m*	*-10.46*	*33.92*	*39.08*	*-5.2*
30.45	*R135*	*1.0m*	*44.26*	*3.0m*	*-10.46*	*33.80*	*39.08*	*-5.3*
30.56	*L135*	*1.0m*	*43.16*	*3.0m*	*-10.46*	*32.70*	*39.08*	*-6.4*
34.67	*L90*	*1.0m*	*41.57*	*3.0m*	*-10.46*	*31.11*	*39.08*	*-8.0*

Date: May 31, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1102787900369833)
Location: CURRENT Technologies Field Research and Test Area – XFMR X1
Mode: Downstream MV2 (transmitting high-density QAM signal on MV wire, 36.85 to 42.85 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
39.64	*C0*	*1.0m*	*49.06*	*3.0m*	*-10.46*	*38.60*	*39.08*	*-0.5*
38.04	*C0*	*1.0m*	*48.99*	*3.0m*	*-10.46*	*38.53*	*39.08*	*-0.5*
38.07	*L135*	*1.0m*	*48.76*	*3.0m*	*-10.46*	*38.30*	*39.08*	*-0.8*
39.83	*L45*	*1.0m*	*48.66*	*3.0m*	*-10.46*	*38.20*	*39.08*	*-0.9*
38.16	*C180*	*1.0m*	*48.20*	*3.0m*	*-10.46*	*37.74*	*39.08*	*-1.3*
37.99	*R135*	*1.0m*	*47.60*	*3.0m*	*-10.46*	*37.14*	*39.08*	*-1.9*

Date: June 4, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1102787900369833)
Location: CURRENT Technologies Field Research and Test Area – XFMR X3
Mode: Downstream MV2 (transmitting high-density QAM signal on MV wire, 36.85 to 42.85 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
39.93	*L90*	*1.0m*	*46.63*	*3.0m*	*-10.46*	*36.17*	*39.08*	*-2.9*
37.64	*L45*	*1.0m*	*45.63*	*3.0m*	*-10.46*	*35.17*	*39.08*	*-3.9*
38.17	*L90*	*1.0m*	*44.68*	*3.0m*	*-10.46*	*34.22*	*39.08*	*-4.9*
39.92	*L45*	*1.0m*	*43.67*	*3.0m*	*-10.46*	*33.21*	*39.08*	*-5.9*
39.92	*C0*	*1.0m*	*43.12*	*3.0m*	*-10.46*	*32.66*	*39.08*	*-6.4*
37.57	*C0*	*1.0m*	*42.26*	*3.0m*	*-10.46*	*31.80*	*39.08*	*-7.3*

Date: June 5, 2007
EUT: CT Bridge URD 5010mv2 (S/N: 1103787900369788)
Location: CURRENT Technologies Field Research and Test Area – XFMR X5
Mode: Downstream MV2 (transmitting high-density QAM signal on MV wire, 36.85 to 42.85 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
40.00	*L90*	*1.0m*	*48.68*	*3.0m*	*-10.46*	*38.22*	*39.08*	*-0.9*
39.93	*R90*	*1.0m*	*48.18*	*3.0m*	*-10.46*	*37.72*	*39.08*	*-1.4*
39.80	*C180*	*1.0m*	*47.59*	*3.0m*	*-10.46*	*37.13*	*39.08*	*-1.9*
39.91	*R45*	*1.0m*	*47.08*	*3.0m*	*-10.46*	*36.62*	*39.08*	*-2.5*
39.88	*C0*	*1.0m*	*46.35*	*3.0m*	*-10.46*	*35.89*	*39.08*	*-3.2*
41.03	*L90*	*1.0m*	*46.06*	*3.0m*	*-10.46*	*35.60*	*39.08*	*-3.5*

Date: June 1, 2007
EUT: CT Bridge URD 5010mv3 (S/N: 1103787900369814)
Location: CURRENT Technologies Field Research and Test Area – XFMR X1
Mode: Downstream MV3 (transmitting high-density QAM signal on MV wire, 44.0 to 50.0 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
47.52	*C0*	*1.0m*	*47.45*	*3.0m*	*-10.46*	*36.99*	*39.08*	*-2.1*
47.22	*C0*	*1.0m*	*46.17*	*3.0m*	*-10.46*	*35.71*	*39.08*	*-3.4*
45.67	*L135*	*1.0m*	*45.85*	*3.0m*	*-10.46*	*35.39*	*39.08*	*-3.7*
45.60	*L135*	*1.0m*	*45.70*	*3.0m*	*-10.46*	*35.24*	*39.08*	*-3.8*
47.50	*R45*	*1.0m*	*44.84*	*3.0m*	*-10.46*	*34.38*	*39.08*	*-4.7*
47.65	*L45*	*1.0m*	*44.23*	*3.0m*	*-10.46*	*33.77*	*39.08*	*-5.3*

Date: June 4, 2007
EUT: CT Bridge URD 5010mv3 (S/N: 1103787900369814)
Location: CURRENT Technologies Field Research and Test Area – XFMR X3
Mode: Downstream MV3 (transmitting high-density QAM signal on MV wire, 44.0 to 50.0 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
45.44	*L90*	*1.0m*	*47.80*	*3.0m*	*-10.46*	*37.34*	*39.08*	*-1.7*
44.93	*L45*	*1.0m*	*46.09*	*3.0m*	*-10.46*	*35.63*	*39.08*	*-3.4*
44.57	*L90*	*1.0m*	*45.29*	*3.0m*	*-10.46*	*34.83*	*39.08*	*-4.2*
46.05	*L45*	*1.0m*	*43.52*	*3.0m*	*-10.46*	*33.06*	*39.08*	*-6.0*
44.97	*C0*	*1.0m*	*43.38*	*3.0m*	*-10.46*	*32.92*	*39.08*	*-6.2*
44.90	*L135*	*1.0m*	*41.87*	*3.0m*	*-10.46*	*31.41*	*39.08*	*-7.7*

Date: June 5, 2007
EUT: CT Bridge URD 5010mv3 (S/N: 1103787900369814)
Location: CURRENT Technologies Field Research and Test Area – XFMR X5
Mode: Upstream MV3 (transmitting high-density QAM signal on MV wire, 44.0 to 50.0 MHz)

Frequency (MHz)	Antenna Location and Polarity	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
45.60	*L45*	*1.0m*	*48.99*	*3.0m*	*-10.46*	*38.53*	*39.08*	*-0.5*
45.64	*C0*	*1.0m*	*48.62*	*3.0m*	*-10.46*	*38.16*	*39.08*	*-0.9*
45.54	*R90*	*1.0m*	*47.46*	*3.0m*	*-10.46*	*37.00*	*39.08*	*-2.1*
46.70	*L45*	*1.0m*	*45.71*	*3.0m*	*-10.46*	*35.25*	*39.08*	*-3.8*
44.85	*L90*	*1.0m*	*45.53*	*3.0m*	*-10.46*	*35.07*	*39.08*	*-4.0*
45.55	*R45*	*1.0m*	*45.06*	*3.0m*	*-10.46*	*34.60*	*39.08*	*-4.5*

A.2.3 50 MHz to 1000 MHz

Date: June 19, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 110177E900369823
Location: Washington Laboratories Open Area Test Site
Mode: Lab Normal (powered up and transmitting continuous pings over LV wire)

Vertical Polarity:

Frequency (MHz)	Antenna Location	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	Peak Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
40.980	*0*	*1.0*	*19.0*	*3.0*	*-10.5*	*8.5*	*39.1*	*-30.5*
44.870	*90*	*1.0*	*18.2*	*3.0*	*-10.5*	*7.7*	*39.1*	*-31.3*
50.020	*90*	*1.0*	*19.0*	*3.0*	*-10.5*	*8.5*	*39.1*	*-30.5*
73.600	*0*	*1.0*	*18.1*	*3.0*	*-10.5*	*7.6*	*39.1*	*-31.4*
111.560	*318*	*1.0*	*19.4*	*3.0*	*-10.5*	*8.9*	*43.5*	*-34.6*
207.560	*256*	*1.0*	*21.5*	*3.0*	*-10.5*	*11.0*	*43.5*	*-32.5*
305.670	*135*	*1.0*	*25.5*	*3.0*	*-10.5*	*15.0*	*46.4*	*-31.4*
308.630	*135*	*1.0*	*31.2*	*3.0*	*-10.5*	*20.7*	*46.4*	*-25.7*
310.690	*135*	*1.0*	*28.8*	*3.0*	*-10.5*	*18.3*	*46.4*	*-28.1*

Horizontal Polarity:

Frequency (MHz)	Antenna Location	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	Peak Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
40.980	*0*	*3.0*	*18.9*	*3.0*	*-10.5*	*8.4*	*39.1*	*-30.6*
45.076	*90*	*3.0*	*16.2*	*3.0*	*-10.5*	*5.7*	*39.1*	*-33.3*
50.020	*90*	*3.0*	*15.4*	*3.0*	*-10.5*	*4.9*	*39.1*	*-34.1*
73.600	*0*	*3.5*	*19.0*	*3.0*	*-10.5*	*8.5*	*39.1*	*-30.5*
109.410	*356*	*3.5*	*18.6*	*3.0*	*-10.5*	*8.1*	*43.5*	*-35.4*
207.575	*300*	*3.5*	*24.5*	*3.0*	*-10.5*	*14.0*	*43.5*	*-29.5*
305.670	*138*	*3.5*	*26.4*	*3.0*	*-10.5*	*15.9*	*46.4*	*-30.5*
308.800	*138*	*3.5*	*32.3*	*3.0*	*-10.5*	*21.8*	*46.4*	*-24.6*
310.690	*138*	*3.5*	*30.5*	*3.0*	*-10.5*	*20.0*	*46.4*	*-26.4*

Date: June 20, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 1101776900369810
Location: CURRENT Technologies Field Research and Test Area – XFMR X1
Mode: Field Normal (powered up and transmitting continuous downstream traffic)

Vertical Polarity:

Frequency (MHz)	Antenna Location	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	Peak Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
49.86	*C180*	*1.0*	*29.4*	*3.0*	*-10.5*	*18.9*	*39.1*	*-20.1*
73.60	*C180*	*3.0*	*33.1*	*3.0*	*-10.5*	*22.6*	*39.1*	*-16.4*
111.56	*C180*	*3.0*	*26.9*	*3.0*	*-10.5*	*16.4*	*43.5*	*-27.1*
207.56	*C0*	*1.0*	*28.9*	*3.0*	*-10.5*	*18.4*	*43.5*	*-25.1*
305.67	*L135*	*3.0*	*28.3*	*3.0*	*-10.5*	*17.8*	*46.4*	*-28.6*
308.63	*L135*	*3.0*	*28.5*	*3.0*	*-10.5*	*18.0*	*46.4*	*-28.4*
310.69	*L135*	*3.0*	*28.7*	*3.0*	*-10.5*	*18.2*	*46.4*	*-28.2*

Horizontal Polarity:

Frequency (MHz)	Antenna Location	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	Peak Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
49.86	*C180*	*3.0*	*30.3*	*3.0*	*-10.5*	*19.8*	*39.1*	*-19.2*
73.60	*C180*	*3.0*	*22.8*	*3.0*	*-10.5*	*12.3*	*39.1*	*-26.7*
109.02	*R135*	*3.0*	*34.7*	*3.0*	*-10.5*	*24.2*	*43.5*	*-19.3*
207.58	*L90*	*3.0*	*36.7*	*3.0*	*-10.5*	*26.2*	*43.5*	*-17.3*
305.67	*R135*	*2.5*	*28.2*	*3.0*	*-10.5*	*17.7*	*46.4*	*-28.7*
308.80	*R135*	*2.5*	*28.4*	*3.0*	*-10.5*	*17.9*	*46.4*	*-28.5*
310.69	*R135*	*2.5*	*28.6*	*3.0*	*-10.5*	*18.1*	*46.4*	*-28.3*

Date: June 20, 2007
EUT: CT Bridge URD 5010mv1 (S/N: 1101776900369810)
Location: CURRENT Technologies Field Research and Test Area – XFMR X3
Mode: Field Normal (powered up and transmitting continuous downstream traffic)

Vertical Polarity:

Frequency (MHz)	Antenna Location	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	Peak Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
50.00	*R135*	*2.0*	*35.7*	*3.0*	*-10.5*	*25.2*	*39.1*	*-13.8*
73.60	*R45*	*3.0*	*33.8*	*3.0*	*-10.5*	*23.3*	*39.1*	*-15.7*
111.56	*C0*	*3.0*	*39.6*	*3.0*	*-10.5*	*29.1*	*43.5*	*-14.4*
207.56	*C0*	*3.0*	*31.6*	*3.0*	*-10.5*	*21.1*	*43.5*	*-22.4*
305.67	*R90*	*2.0*	*28.2*	*3.0*	*-10.5*	*17.7*	*46.4*	*-28.7*
308.63	*R90*	*2.0*	*28.5*	*3.0*	*-10.5*	*18.0*	*46.4*	*-28.4*
310.69	*R90*	*2.0*	*28.8*	*3.0*	*-10.5*	*18.3*	*46.4*	*-28.1*

Horizontal Polarity:

Frequency (MHz)	Antenna Location	Antenna Height (m)	Peak Level Measured on Analyzer (dBµV/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	Peak Level Corrected to 10m (dBµV/m)	10m Limit (dBµV/m)	Margin (dB)
50.00	*L45*	*3.0*	*29.9*	*3.0*	*-10.5*	*19.4*	*39.1*	*-19.6*
73.60	*L45*	*3.0*	*25.9*	*3.0*	*-10.5*	*15.4*	*39.1*	*-23.6*
109.41	*L90*	*2.5*	*30.5*	*3.0*	*-10.5*	*20.0*	*43.5*	*-23.5*
207.58	*L90*	*3.0*	*37.3*	*3.0*	*-10.5*	*26.8*	*43.5*	*-16.7*
305.67	*L135*	*2.0*	*28.3*	*3.0*	*-10.5*	*17.8*	*46.4*	*-28.6*
308.80	*L135*	*2.0*	*28.5*	*3.0*	*-10.5*	*18.0*	*46.4*	*-28.4*
310.69	*L135*	*2.0*	*28.8*	*3.0*	*-10.5*	*18.3*	*46.4*	*-28.1*