

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

Radiated emissions in this band were unaffected by the changes being considered.

A.2.2 30 MHz to 50 MHz

Date: August 16, 2007

EUT: CT Bridge® URD 5000r (S/N: 1015709800002D4F)

Location: CURRENT Technologies Field Research and Test Area – XFMR DX-2

Mode: MV Active (transmitting MV-signal, 31.5 MHz to 47.8 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 10m (dB)	QP Level Corrected to 10m (dBμV/m)	10m Limit (dBμV/m)	Margin (dB)
39.76	R135-10m vertical	1.0	38.4	10	0.0	38.4	39.1	-0.7
43.47	R112.5-10m vertical	1.0	38.1	10	0.0	38.1	39.1	-1.0
43.27	R135-10m vertical	1.0	38.0	10	0.0	38.0	39.1	-1.1
42.49	R112.5-10m vertical	1.0	37.8	10	0.0	37.8	39.1	-1.3
47.37	L45-10m vertical	1.0	37.8	10	0.0	37.8	39.1	-1.3
45.81	R112.5-10m vertical	1.0	37.6	10	0.0	37.6	39.1	-1.5

Date: August 15, 2007
 EUT: CT Bridge URD 5000r (S/N: 1015709800002D4F)
 Location: CURRENT Technologies Field Research and Test Area – XFMR DX-4
 Mode: MV Active (transmitting MV-signal, 31.5 MHz to 47.8 MHz, using nuttcp command)

Frequency (MHz)	Antenna Location	Antenna Height (m)	QP Level Measured on Analyzer (dB μ V/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dB μ V/m)	10m Limit (dB μ V/m)	Margin (dB)
46.40	R90-10m vertical	1.0	38.3	10	0.0	38.3	39.1	-0.8
46.59	R90-10m vertical	1.0	38.2	10	0.0	38.2	39.1	-0.9
47.37	R135-10m vertical	1.0	38.2	10	0.0	38.2	39.1	-0.9
47.77	R135-10m vertical	1.0	38.0	10	0.0	38.0	39.1	-1.1
47.57	R112.5-10m vertical	1.0	37.9	10	0.0	37.9	39.1	-1.2
45.81	R112.5-10m vertical	1.0	37.3	10	0.0	37.3	39.1	-1.8

Date: August 16, 2007
 EUT: CT Bridge URD 5000r (S/N: 1015709800002D4F)
 Location: CURRENT Technologies Field Research and Test Area – XFMR DX-5
 Mode: MV Active (transmitting MV-signal, 31.5 MHz to 47.8 MHz, using nuttcp command)

Frequency (MHz)	Antenna Location	Antenna Height (m)	QP Level Measured on Analyzer (dB μ V/m)	Measurement Distance (m)	Distance Correction Factor to 10m (dB)	QP Level Corrected to 10m (dB μ V/m)	10m Limit (dB μ V/m)	Margin (dB)
46.20	R67.5-10m vertical	1.0	38.6	10	0.0	38.6	39.1	-0.5
47.18	R45-10m vertical	1.0	38.5	10	0.0	38.5	39.1	-0.6
47.37	R45-10m vertical	1.0	38.5	10	0.0	38.5	39.1	-0.6
46.59	R90-10m vertical	1.0	38.4	10	0.0	38.4	39.1	-0.7
46.01	R67.5-10m vertical	1.0	38.1	10	0.0	38.1	39.1	-1.0
46.40	R90-10m vertical	1.0	38.1	10	0.0	38.1	39.1	-1.0

A.2.3 50 MHz to 1000 MHz

Radiated emissions in this band were unaffected by the changes being considered.