

APPENDIX A OF TEST REPORT T50915R_F

Measurement Instrumentation

FCC ID: Q47-MCROEM
Manufacturer: ERG Transit Systems
Test Sample: Contact less Smart Card Readers
Model: MCR_OEM
Serial No: 14.7456MHz Unit: Antenna - 0350435, Main Board - 04273566
and 22.1184MHz Unit: Antenna - 05129574, Main Board - 0504009

Date: 27th October 2005

APPENDIX A

MEASUREMENT INSTRUMENTATION DETAILS

Equipment Type	Make/Model Serial Number	Last Cal. DD/MM/YY	Due Date DD/MM/YY
EMI Receivers	HP8546A CISPR Receiver S/N: 3549A00288	24/06/05	24/06/06 *2
	ESCI EMI Receiver Rohde & Schwarz S/N: 100011	16/09/05	16/09/06 *2
LISN:	EMCO 3825/2 SN 94112274	31/03/05	31/03/06 *3
	Rohde & Schwarz ESH3-Z5 S/N 832479/014	31/03/05	31/03/06 *3
Antennas	EMCO 3146 Log Periodic S/N 9603-4415 300-1000MHz	23/02/05	23/02/06 *3
	EMCO 3110B Biconical S/N 9603-2350 20-300 MHz	23/02/05	23/02/06 *3
	Active Loop EMCO, Model: 6502 S/N: 9108-2660	29/04/05	29/04/08
Preamplifier	PRA1000-25B, S/N: 628	04/11/04	04/11/05 *3
Limiter Transient	11947A, S/N: 3107A01261	07/04/05	07/04/06 *2
60Hz Source Harmonic & Flicker Test System	HP 6843A, S/N: 3531A00172	14/01/05	14/01/06 *2

Note *1 : National Measurements Institute calibration

Note *2 : NATA Calibration by Hewlett Packard (Aust) Ltd

Note *3 : In-house calibration. Traceable to Australian National Standards.

TEST SITES

Equipment Type	Make/Model Serial Number	Last Cal. DD/MM/YY	Due Date DD/MM/YY
Shielded Room/ Test Laboratory	7.23m × 4.83m × 2.45m	N/A	N/A
Open Area Test Site (OATS)	3/10/30 metre site. 1-4 metre antenna mast. 1.2 metre/1.2 Tonne turntable. (Situated at Upper Colo, NSW)	26/11/04	26/11/05