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APPENDIX K OF TEST REPORT T71003_F

GRAPHS OF EMI MEASUREMENT

FCC ID: TVN-MSTRP

Manufacturer: Magellan Technology Pty Limited Test Sample: PJM Stack Tag Tunnel Reader

Model: MSTRP-5050

Serial No: Production Prototype

Date: 5th December 2007

Auckland (NZ)

APPENDIX K

GRAPHS OF EMI MEASUREMENT

CONDUCTED

Polycarbon Based Antenna:

 Graph 1:
 Active Line
 0.145 to 30.5 MHz

 Graph 2:
 Neutral Line
 0.145 to 30.5 MHz

PCB Based Antenna:

 Graph 3:
 Active Line
 0.145 to 30.5 MHz

 Graph 4:
 Neutral Line
 0.145 to 30.5 MHz

Transmitter Terminated with a Resistive Load

PCB Based Antenna:

Graph 5: Active Line 5 to 30.5 MHz **Graph 6:** Neutral Line 5 to 30.5 MHz

PCB Based Antenna:

Graph 7:Active Line5 to 30.5 MHzGraph 8:Neutral Line5 to 30.5 MHz

RADIATED EMI

Polycarbon Based Antenna

Graph 9: Magnetic Loop Antenna 9 kHz to 30 MHz

Graph 11: Carrier 13.56 MHz 13.552 to 13.568 MHz

Graph 13: Vertical Antenna Polarisation 30 to 1000 MHz

Graph 14: Horizontal Antenna Polarisation 30 to 1000 MHz

PCB Based Antenna

Graph 10: Magnetic Loop Antenna 9 kHz to 30 MHz

Graph 12: Carrier 13.56 MHz 13.552 to 13.568 MHz

Graph 15: Vertical Antenna Polarisation 30 to 1000 MHz

Graph 16: Horizontal Antenna Polarisation 30 to 1000 MHz































