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APPENDIX I OF TEST REPORT T120110_F

GRAPHS OF EMI MEASUREMENT

FCC ID: TVN-MARS-24AT

Manufacturer: Magellan Technology Pty Limited

Test Samples: Multiple Antenna Reader System (MARS-24AT)

Model Number: MARS-24AT

Serial Number: Production Prototype

Date: 30th March 2012

13.11 to 14.02MHz

9 kHz to 30 MHz

APPENDIX I

GRAPHS OF EMI MEASUREMENT

CONDUCTED EMI

Graph 1:	MARS-24AT with Antenna 34-10-000 & 31-10-024	Neutral Line	0.145 to 30.5MHz
Graph 2:	MARS-24AT with Antenna 34-10-000 & 31-10-024		0.145 to 30.5MHz
Graph 3:	MARS-24AT with Antenna 34-10-005	Active Line	0.145 to 30.5MHz
Graph 4:	MARS-24AT with Antenna 34-10-005	Neutral Line	0.145 to 30.5MHz

Antenna Terminated

Graph 5:	MARS-24AT with Antenna terminated	Active Line	0.145 to 30.5MHz
Graph 6:	MARS-24AT with Antenna terminated	Neutral Line	0.145 to 30.5MHz

MARS-24AT with Antenna 34-10-005

MARS-24AT with Antenna 34-10-005

RADIATED EMI

Graph 7: Graph 8:

Graph 9:	MARS-24AT with Antenna 34-10-005	Vertical Polarisation	30 to 1000MHz
Graph 10:	MARS-24AT with Antenna 34-10-005	Horizontal Polarisation	30 to 1000MHz
Graph 11:	MARS-24AT with Antenna 31-10-024 & 34-10-000	Carrier	13.11 to 14.02MHz
Graph 12:	MARS-24AT with Antenna 31-10-024 & 34-10-000	Loop Antenna	9 kHz to 30 MHz
Graph 13:	MARS-24AT with Antenna 31-10-024 & 34-10-000	Vertical Polarisation	30 to 1000MHz
Graph 14:	MARS-24AT with Antenna 31-10-024 & 34-10-000	Horizontal Polarisation	30 to 1000MHz

Carrier

Loop Antenna



























