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# APPENDIX K OF TEST REPORT T 60919\_F

#### GRAPHS OF EMI MEASUREMENT

FCC ID: TVN-MARS-1

Manufacturer: Magellan Technologies Pty Ltd Test Sample: RFID Read Write Device

Model: Mars-1-2-4-6

Serial Number: Production Prototype

Date: 12th October 2006

#### **APPENDIX K**

#### **GRAPHS OF EMI MEASUREMENT**

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Desulter Antonno 64 10 000		
Results: Antenna 64-10-002 Graph 1:	Active Line	0.145 to 30.5 MHz
Graph 2:	Neutral Line	0.145 to 30.5 MHz
Results: Antenna 63-10-004 <b>Graph 5:</b>	Active Line	0.145 to 30.5 MHz
Graph 6:	Neutral Line	0.145 to 30.5 MHz
Antenna Terminated:1k $\Omega$ Graph 3:	Active Line	0.145 to 30.5 MHz
Graph 4:	Neutral Line	0.145 to 30.5 MHz
RADIATED EMI		
Results: Antenna 64-10-002 <b>Graph 7:</b>	Magnetic Loop Antenna	9 kHz to 30 MHz
Results: Antenna 64-10-002 <b>Graph 8:</b>	Carrier 13.56 MHz	13.11 to 14.01 MHz
Results: Antenna 63-10-004 <b>Graph 9:</b>	Magnetic Loop Antenna	9 kHz to 30 MHz
Results: Antenna 63-10-004 <b>Graph 10:</b>	Carrier 13.56 MHz	13.11 to 14.01 MHz
Results: Antenna 64-10-002	Vertical Antenna Polarisation	20 to 1000 MHz

Results: Antenna 64-10-002		
Graph 12:	Horizontal Antenna Polarisation	29 to 1000 MHz

Graph 13:	Vertical Antenna Polarisation	29 to 1000 MHz

Results: Antenna 63-10-004 **Graph 14:** Horizontal Antenna Polarisation 29 to 1000 MHz



























