

APPENDIX H GRAPHS

RADIATED EMI

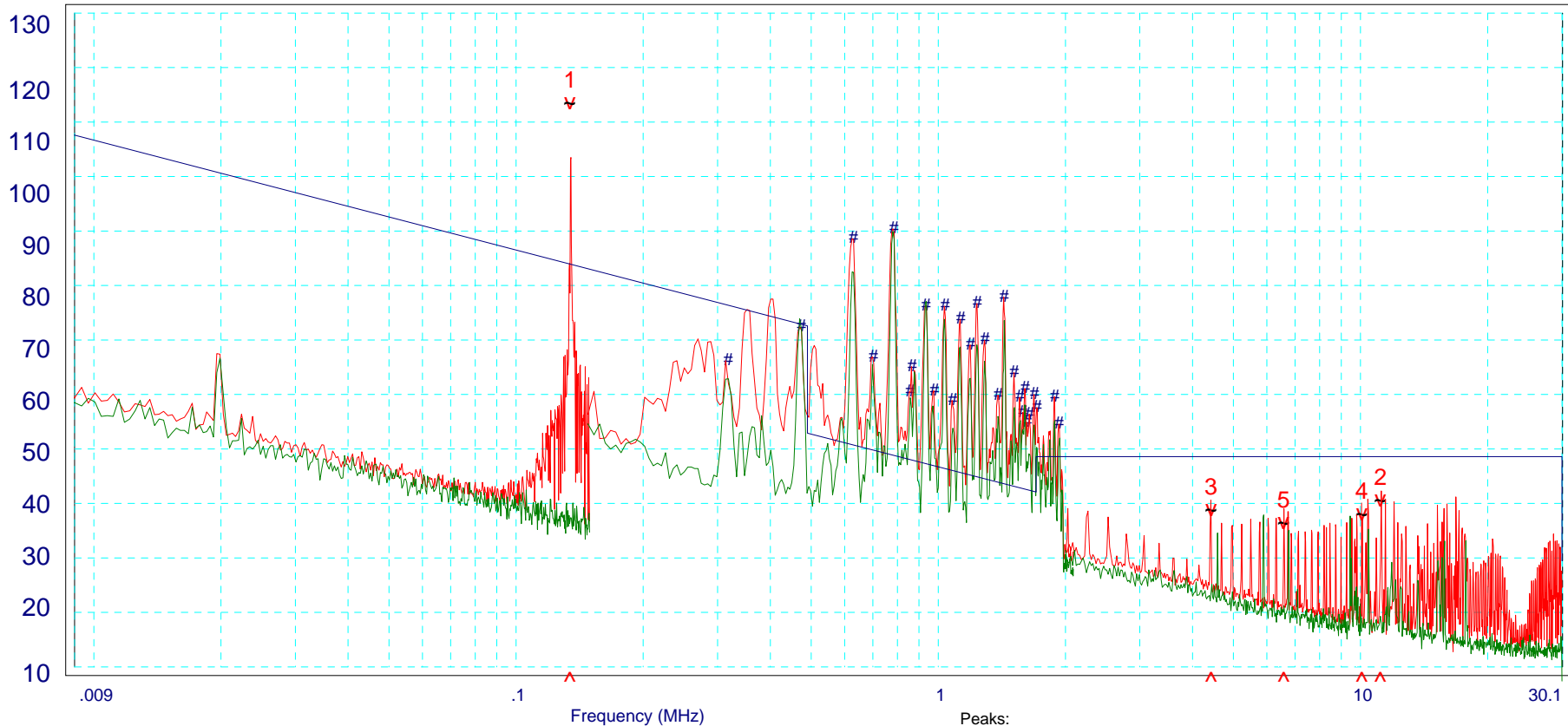
Graph 1:	0.009 MHz – 30 MHz	10m measurement
Graph 2:	30 MHz – 230 MHz	Vertical Polarisation
Graph 3:	30 MHz – 230 MHz	Horizontal Polarisation
Graph 4:	230 MHz – 1000 MHz	Vertical Polarisation
Graph 5:	230 MHz – 1000 MHz	Horizontal Polarisation

EMC Technologies Pty. Ltd. - Global Product Certification

Radiated Emissions (dBuA/m)
= Ambient

Job No:m090934 p:\PCF\m09093f_1.PCF
Test Date: 10/12/2009

GRAPH No. 1



Aleis Pty Ltd
ISO-6000 Series RFID Reader

Radiated Emissions (0.009MHz - 30MHz)

Limits: FCC15209-10 FCC PART 15.209 10mtr LMTS

Legend: — EUT on

Ver 5.5 Build 158
radiated emissions site 1 lerderderg 0.1 - 30M
t:A3101109E c1:C1310110 c2:C2600110 p:NONE a:NONE
Site ID: OATS1,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Chieu Huynh

EMC Technologies (Melbourne) 176 Harrick Rd, Keilor Park, 3042, Vic, Australia
Phone+(613) 9365 1000 Fax+(613) 9331 7455

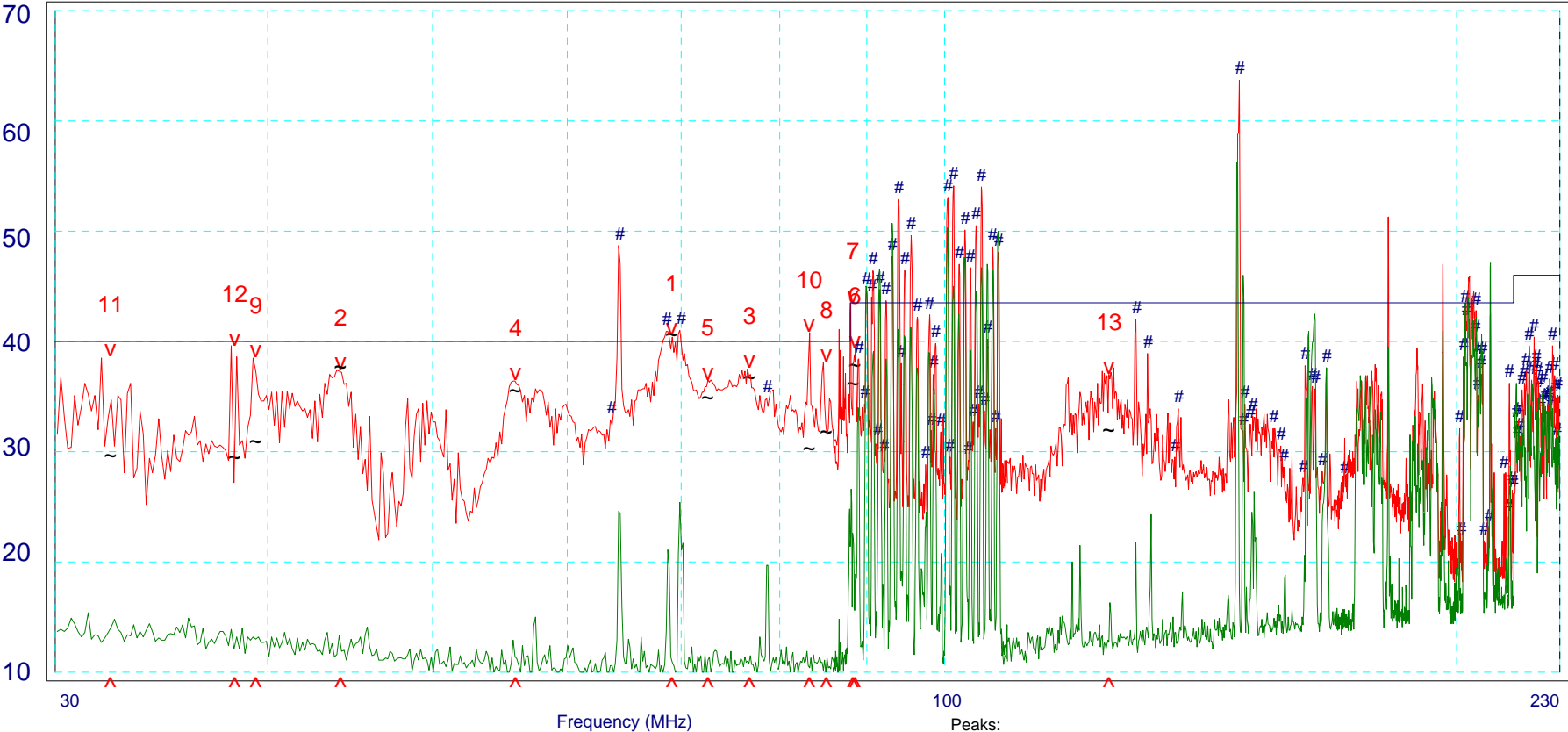
Peaks:					
No	Freq (MHz)	Peak (dBuA/m)	QP Val	FCC15209-10 (dBuA/m)	dL1 (dB)
1	0.134	114.1	114.1	83.9	30.2
2	11.14	41.3	41.3	48.6	-7.3
3	4.430	39.5	39.5	48.6	-9.1
4	10.07	38.7	38.7	48.6	-9.9
5	6.576	37.1	37.1	48.6	-11.5

EMC Technologies Pty. Ltd. - Global Product Certification

Radiated Emissions (dBuV/m)
= Ambient

Job No:m090934 p:\PCF\m09093f_2.PCF
Test Date: 10/12/2009

GRAPH No. 2



Aleis Pty Ltd
ISO-6000 Series RFID Reader

Radiated Emissions

Limits:
FCC-B3 FCC CLASS B RAD 3M LIMITS

Legend:
— EUT on

Ver 5.5 Build 158
radiated emissions site 1 lerderderg
t:A1361010_10M c1:C1310110 c2:C3980210 p:NONE a:NONE
Site ID: OATS1,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Chieu Huynh

Source:
M090934R8 ,79 ,80 ,81 ,82 ,38 ,39 ,40

EMC Technologies (Melbourne) 176 Harrick Rd, Keilor Park, 3042, Vic, Australia
Phone+(613) 9365 1000 Fax+(613) 9331 7455

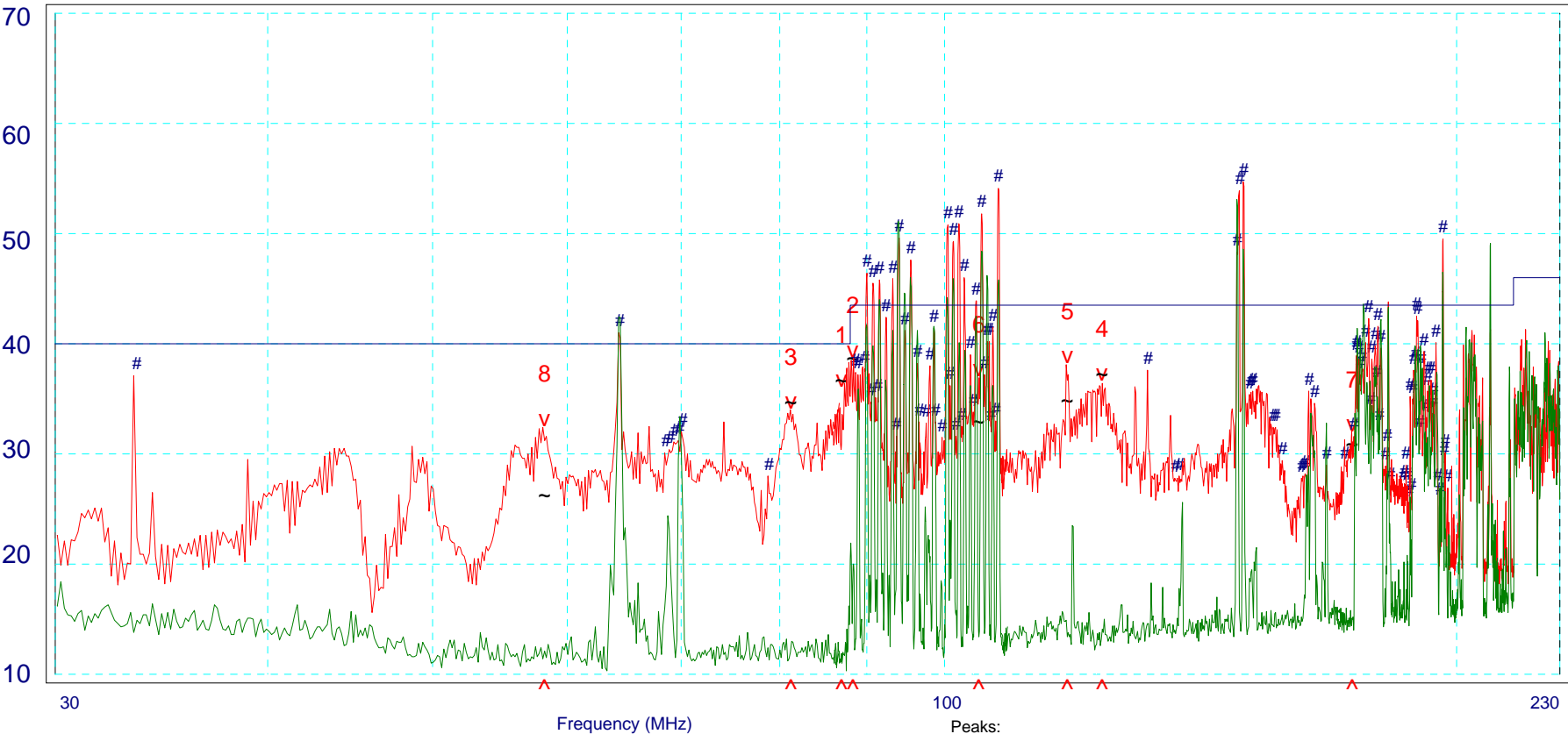
Peaks:					
No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC-B3 (dBuV/m)	dL1 (dB)
1	69.13	40.4	40.0	40.0	.0
2	44.15	37.4	37.0	40.0	-3.0
3	76.78	37.5	36.1	40.0	-3.9
4	55.94	36.4	34.9	40.0	-5.1
5	72.58	36.4	34.3	40.0	-5.7
6	88.58	39.3	37.2	43.5	-6.3
7	88.33	43.4	35.5	43.5	-8.0
8	85.22	38.1	31.1	40.0	-8.9
9	39.36	38.4	30.3	40.0	-9.7
10	83.26	40.8	29.6	40.0	-10.4
11	32.33	38.5	29.0	40.0	-11.0
12	38.25	39.5	28.8	40.0	-11.2
13	124.92	37.0	31.4	43.5	-12.1

EMC Technologies Pty. Ltd. - Global Product Certification

Radiated Emissions (dBUV/m)
= Ambient

Job No:m090934 p:\PCF\m09093f_3.PCF
Test Date: 10/12/2009

GRAPH No. 3



Aleis Pty Ltd
ISO-6000 Series RFID Reader

Radiated Emissions

Limits:
FCC-B3 FCC CLASS B RAD 3M LIMITS

Legend:
— Horizontal Emissions

Ver 5.5 Build 158
radiated emissions site 1 lerderderg
t:A1361010_10M c1:C1310110 c2:C3980210 p:NONE a:NONE
Site ID: OATS1,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Chieu Huynh

Source:
M090934#83 ,84 ,85 ,86 ,87 ,41 ,42 ,43

EMC Technologies (Melbourne) 176 Harrick Rd, Keilor Park, 3042, Vic, Australia
Phone+(613) 9365 1000 Fax+(613) 9331 7455

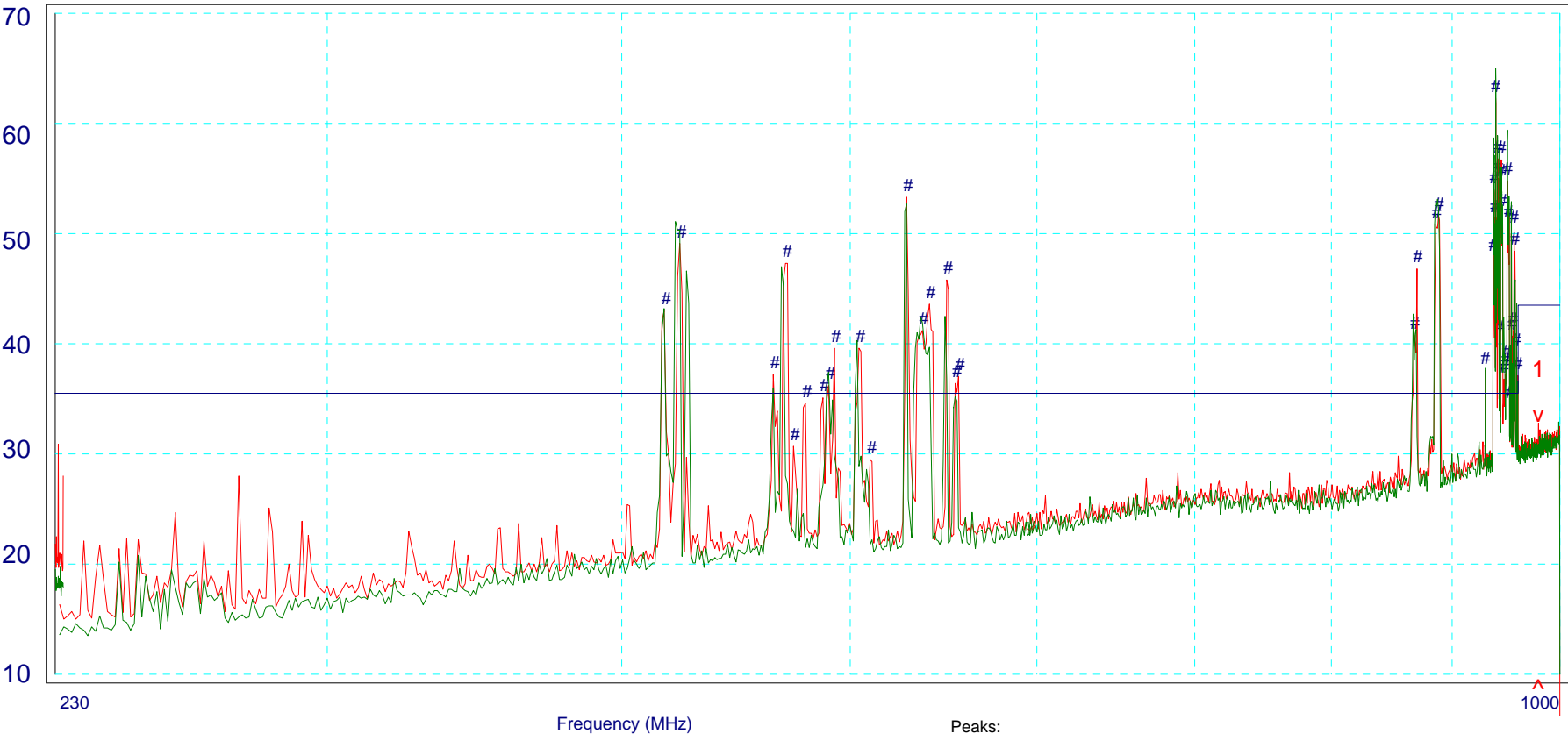
Peaks:				
No	Freq (MHz)	Peak (dBUV/m)	QP Val	FCC-B3 (dBUV/m)
1	86.97	36.0	36.0	40.0
2	88.32	38.7	38.0	43.5
3	81.21	34.0	34.0	40.0
4	123.75	36.6	36.6	43.5
5	118.08	38.2	34.2	43.5
6	104.74	37.0	32.3	43.5
7	173.66	32.0	30.2	43.5
8	58.18	32.4	25.6	40.0
				dL1 (dB)
				-4.0
				-5.5
				-6.0
				-6.9
				-9.3
				-11.2
				-13.3
				-14.4

EMC Technologies Pty. Ltd. - Global Product Certification

Radiated Emissions (dBuV/m)
= Ambient

Job No:m090934 p:\PCF\m09093f_4.PCF
Test Date: 10/12/2009

GRAPH No. 4



Aleis Pty Ltd
ISO-6000 Series RFID Reader

Radiated Emissions

Limits: FCC15209-10 FCC PART 15.209 10mtr LMTS

Legend: — EUT on

Ver 5.5 Build 158
radiated emissions site 1 lerderderg
t:A1361010_10M c1:C1310110 c2:C3980210 p:NONE a:NONE
Site ID: OATS1,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Chieu Huynh

EMC Technologies (Melbourne) 176 Harrick Rd, Keilor Park, 3042, Vic, Australia
Phone+(613) 9365 1000 Fax+(613) 9331 7455

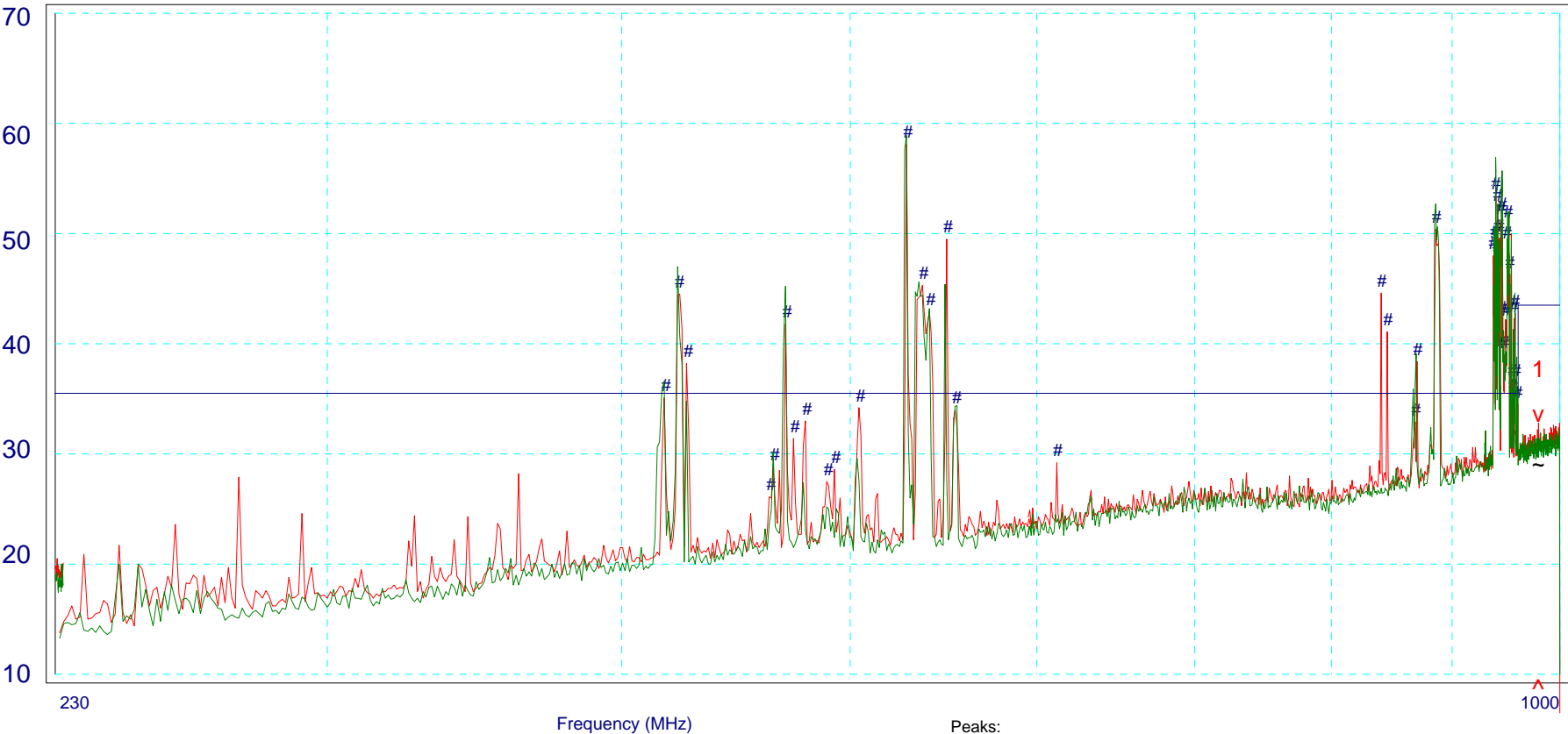
Peaks:					
No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC15209-10 (dBuV/m)	dL1 (dB)
1	979.15	32.8	29.8	43.5	-13.7

EMC Technologies Pty. Ltd. - Global Product Certification

Radiated Emissions (dBuV/m)
= Ambient

Job No:m090934 p:\PCF\m09093f_5.PCF
Test Date: 10/12/2009

GRAPH No. 5



Aleis Pty Ltd
ISO-6000 Series RFID Reader

Radiated Emissions

Limits: FCC15209-10 FCC PART 15.209 10mtr LMTS

Legend:
— Horizontal Emissions

Source:
M090934#83 ,84 ,85 ,86 ,87 ,41 ,42 ,43

Ver 5.5 Build 158
radiated emissions site 1 lerderderg
t:A1361010_10M c1:C1310110 c2:C3980210 p:NONE a:NONE
Site ID: OATS1,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Chieu Huynh

EMC Technologies (Melbourne) 176 Harrick Rd, Keilor Park, 3042, Vic, Australia
Phone+(613) 9365 1000 Fax+(613) 9331 7455

Peaks:

No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC15209-10 (dBuV/m)	dL1 (dB)
1	979.18	32.8	28.4	43.5	-15.1