

**APPENDIX H  
ISO-9162EXP GRAPHS**

**RADIATED EMI**

<b>Graph 1:</b>	0.009 MHz – 30 MHz	10m measurement
<b>Graph 2:</b>	30 MHz – 1000 MHz	Vertical Polarisation
<b>Graph 3:</b>	30 MHz – 1000 MHz	Horizontal Polarisation

# EMC Technologies Pty. Ltd. - Global Product Certification

Job No:m090616

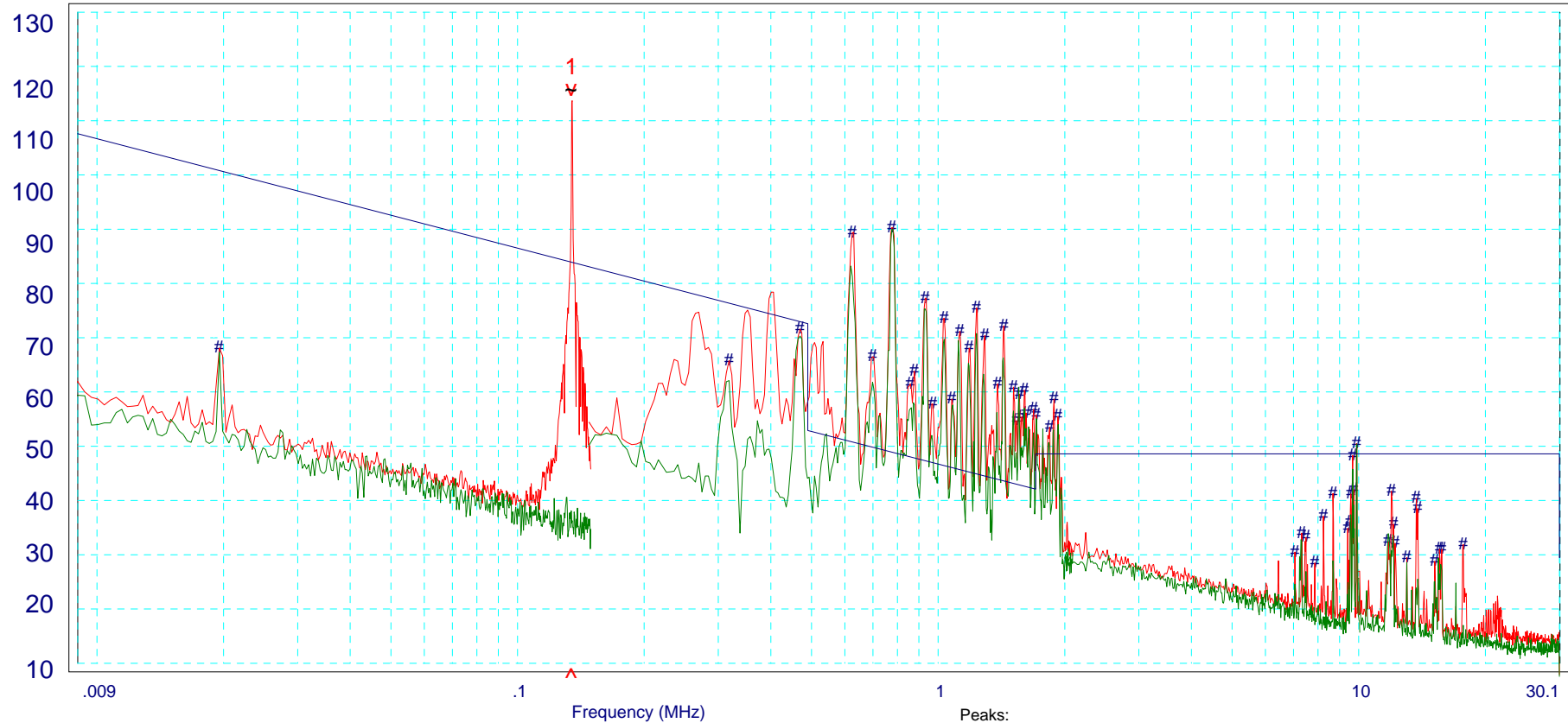
p:\PCF\m090616f\_1.PCF

Test Date: 18/06/2009

GRAPH No. 1

Radiated Emissions (dBuA/m)

# = Ambient



Aleis Pty Ltd  
9162 Reader

Radiated Emissions (0.009MHz - 30MHz)

Peaks:

No	Freq (MHz)	Peak (dBuA/m)	QP Val	FCC15209-10 (dBuA/m)	dL1 (dB)
1	0.134	116.4	116.4	83.9	32.5

Limits: FCC15209-10 FCC PART 15.209 10mtr LMTS

Legend: — EUT on

Ver 5.5 Build 157  
radiated emissions site 1 lerderberg 0.1 - 30M  
t:A3101109E c1:C1310110 c2:C2600110 p:NONE a:NONE  
Site ID: OATS1,Lerderberg Gorge Rd, Bacchus Marsh, VIC  
Test Officer:Chieu Huynh

Source:  
M090616# , 8 , 9 , 10  
M090616#3 , 14 , 16 , 17

EMC Technologies (Melbourne) 176 Harrick Rd, Keilor Park, 3042, Vic, Australia  
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Job No:m090616

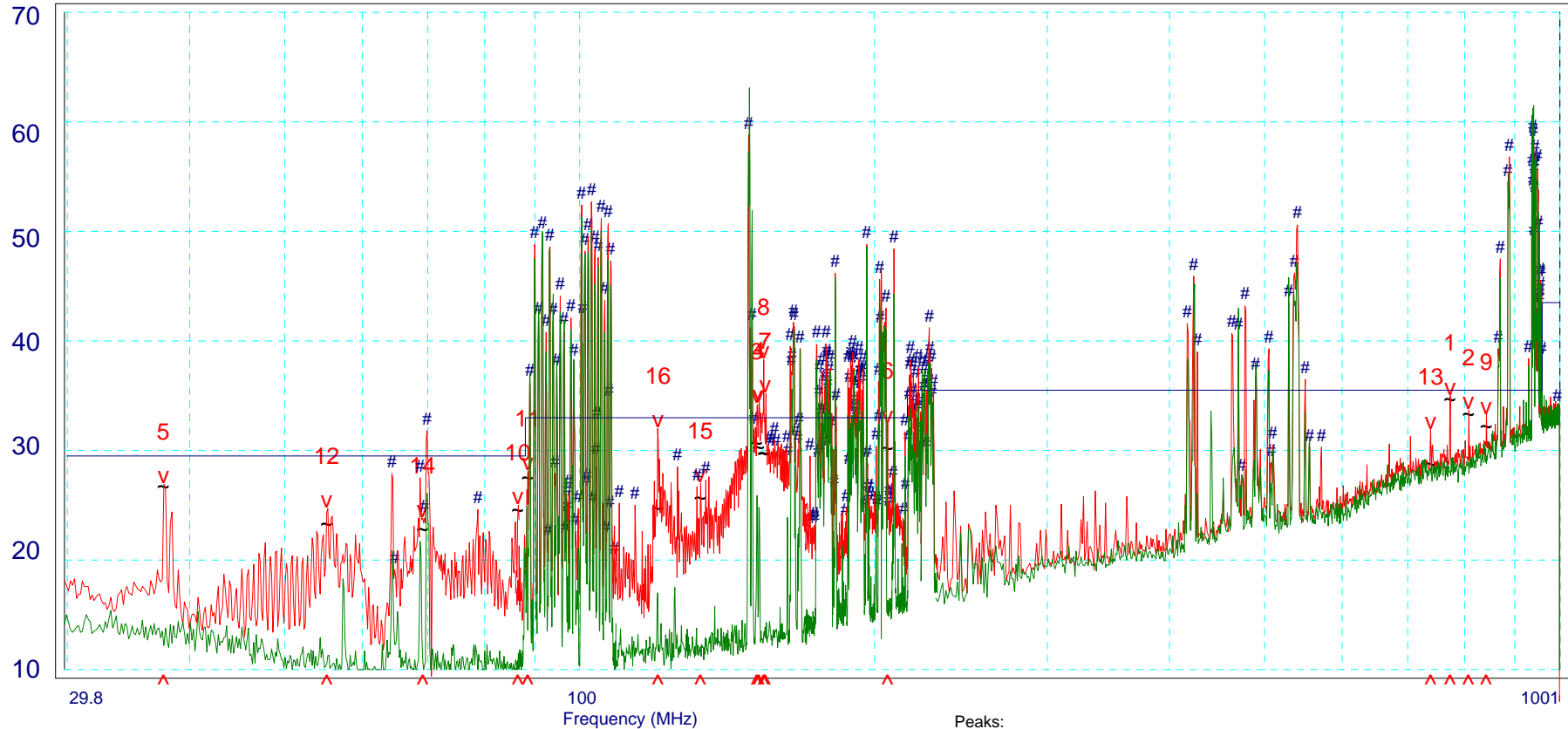
p:\PCF\m090616f\_2.PCF

Radiated Emissions (dBuV/m)

Test Date: 17/06/2009

GRAPH No. 2

# = Ambient



Peaks:

No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCCB-10 (dBuV/m)	dL1 (dB)
1	772.99	35.0	34.0	35.5	-1.5
2	807.35	33.7	32.7	35.5	-2.8
3	151.63	34.2	30.0	33.0	-3.0
4	152.32	34.4	29.6	33.0	-3.4
5	37.60	26.9	26.1	29.5	-3.4
6	206.13	32.4	29.5	33.0	-3.5
7	154.62	35.2	29.1	33.0	-3.9
8	154.11	38.3	29.1	33.0	-3.9
9	841.73	33.3	31.5	35.5	-4.0
10	86.48	25.0	23.9	29.5	-5.6
11	88.51	28.1	26.8	33.0	-6.2
12	55.19	24.7	22.7	29.5	-6.8
13	738.65	31.9	28.2	35.5	-7.3
14	69.13	23.8	22.1	29.5	-7.4
15	132.76	27.0	25.0	33.0	-8.0
16	120.23	32.0	24.1	33.0	-8.9

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Radiated Emissions - Vertical Polarity

Limits:  
FCCB-10 FCC CLASS B RAD 10M LIMITS

Legend:  
— Vertical Emissions

Ver 5.5 Build 157  
radiated emissions site 1 lerderberg  
t:A1370909\_10M c1:C1310110 c2:C3980210 p:NONE a:NONE  
Site ID: OATS1,Lerderberg Gorge Rd, Bacchus Marsh, VIC  
Test Officer:Lee Hopkins

Source:  
M090616R6 , 15 , 17 , 18 , 19 , 1 , 2 , 3

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# EMC Technologies Pty. Ltd. - Global Product Certification

Job No:m090616

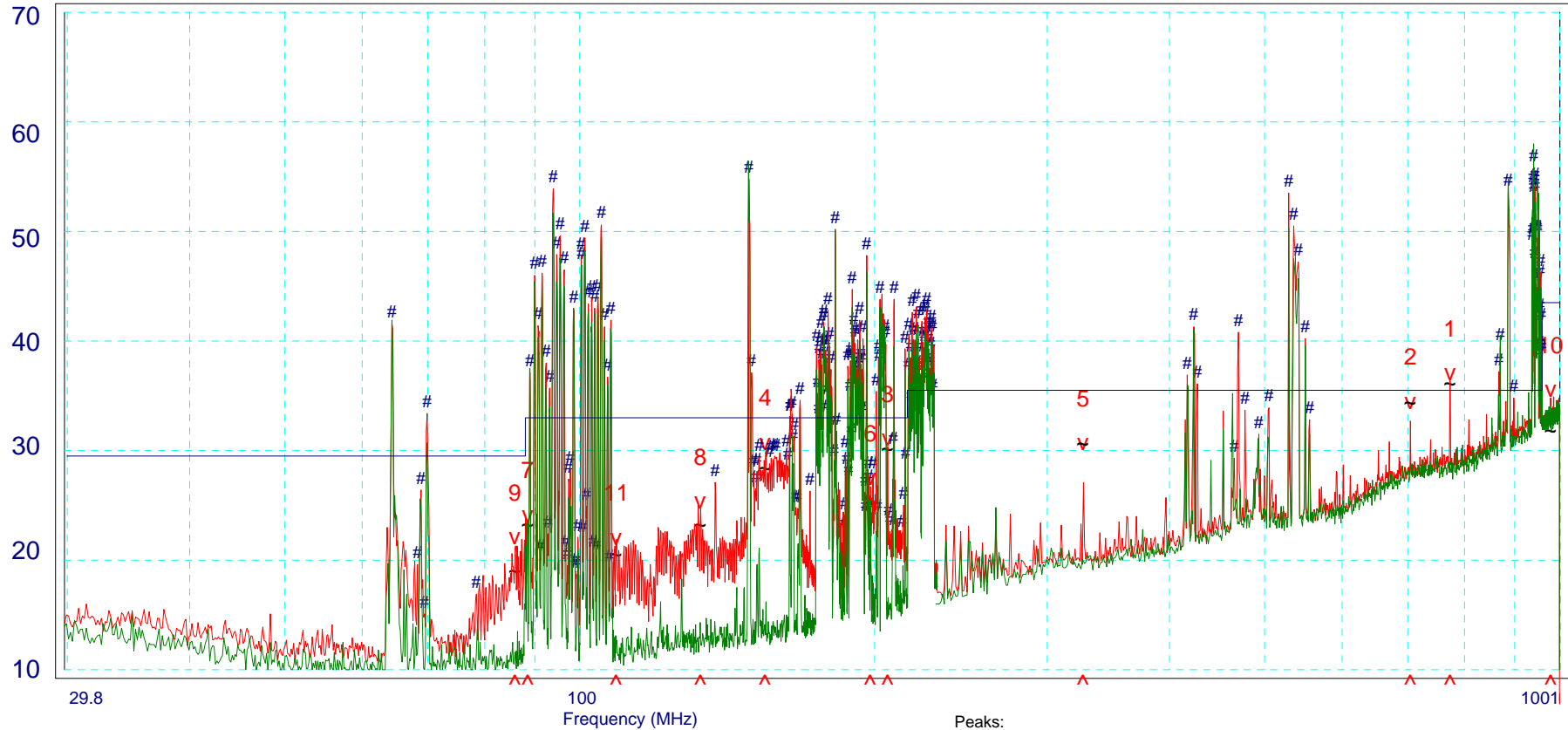
p:\PCF\m090616f\_3.PCF

Radiated Emissions (dBuV/m)

Test Date: 17/06/2009

GRAPH No. 3

# = Ambient



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9162 Reader

**Radiated Emissions - Horizontal Polarity**

Limits: FCCB-10      FCC CLASS B RAD 10M LIMITS

Legend: — Horizontal Emissions

Ver 5.5 Build 157  
radiated emissions site 1 lerderberg  
t:A1370909\_10M c1:C1310110 c2:C3980210 p:NONE a:NONE  
Site ID: OATS1,Lerderberg Gorge Rd, Bacchus Marsh, VIC  
Test Officer:Lee Hopkins

Source: M090616R0 , 21 , 22 , 23 , 24 , 4 , 5 , 6

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Peaks:

No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCCB-10 (dBuV/m)	dL1 (dB)
1	772.99	36.3	35.5	35.5	.0
2	704.29	33.7	33.7	35.5	-1.8
3	206.13	30.4	29.5	33.0	-3.5
4	154.59	30.0	27.7	33.0	-5.3
5	326.39	30.0	30.0	35.5	-5.5
6	197.99	26.8	24.6	33.0	-8.4
7	88.49	23.4	22.6	33.0	-10.4
8	132.77	24.6	22.5	33.0	-10.5
9	85.85	21.3	18.4	29.5	-11.1
10	979.15	34.8	31.2	43.5	-12.3
11	108.95	21.3	19.8	33.0	-13.2