

APPENDIX H GRAPHS

RADIATED EMI

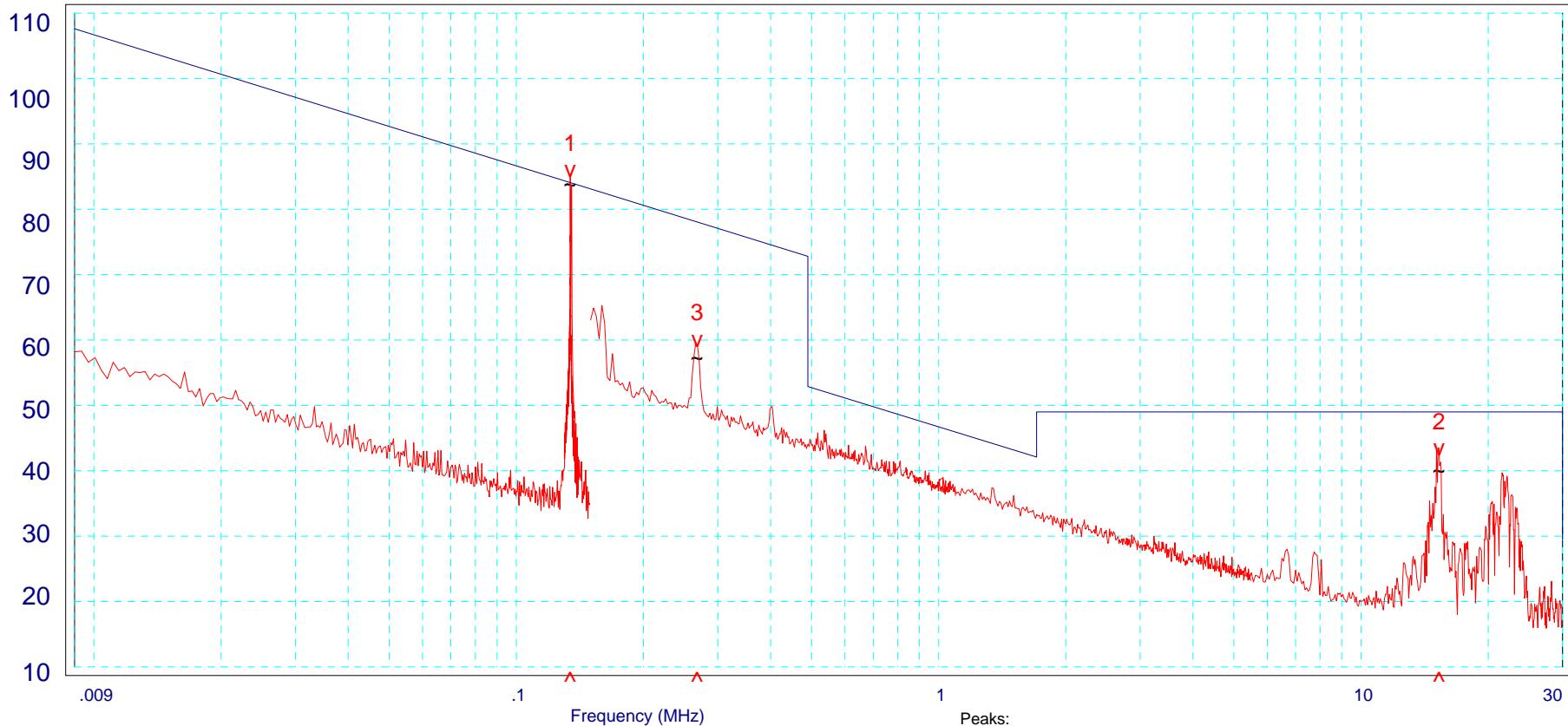
Graph 1:	0.009 MHz – 30 MHz	
Graph 2:	30 MHz – 1000 MHz	Vertical Polarisation
Graph 3:	30 MHz – 1000 MHz	Horizontal Polarisation

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Radiated Emissions (dBuV/m)
= Ambient

Job No:m110315 p:\PCF\m110315f_1.PCF
Test Date: 07/03/2011

GRAPH No. 1



Aleis Pty Ltd
RFID Reader

Radiated Emissions (0.009MHz - 30MHz)

Limits: FCC15209-10 FCC PART 15.209 10mtr LMTS

Legend: — EUT on

Ver 5.5 Build 160
3m setup for Room 12 ALSE
t:A3101111E c1:SILVER+421 c2:C3760911 p:NONE a:NONE
Site ID: Room#12(iOATS),176 Harrick Rd, Keilor Park,Vic
Test Officer:Chieu Huynh

Source: M110315R6,45,47,49,51

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

Peaks:

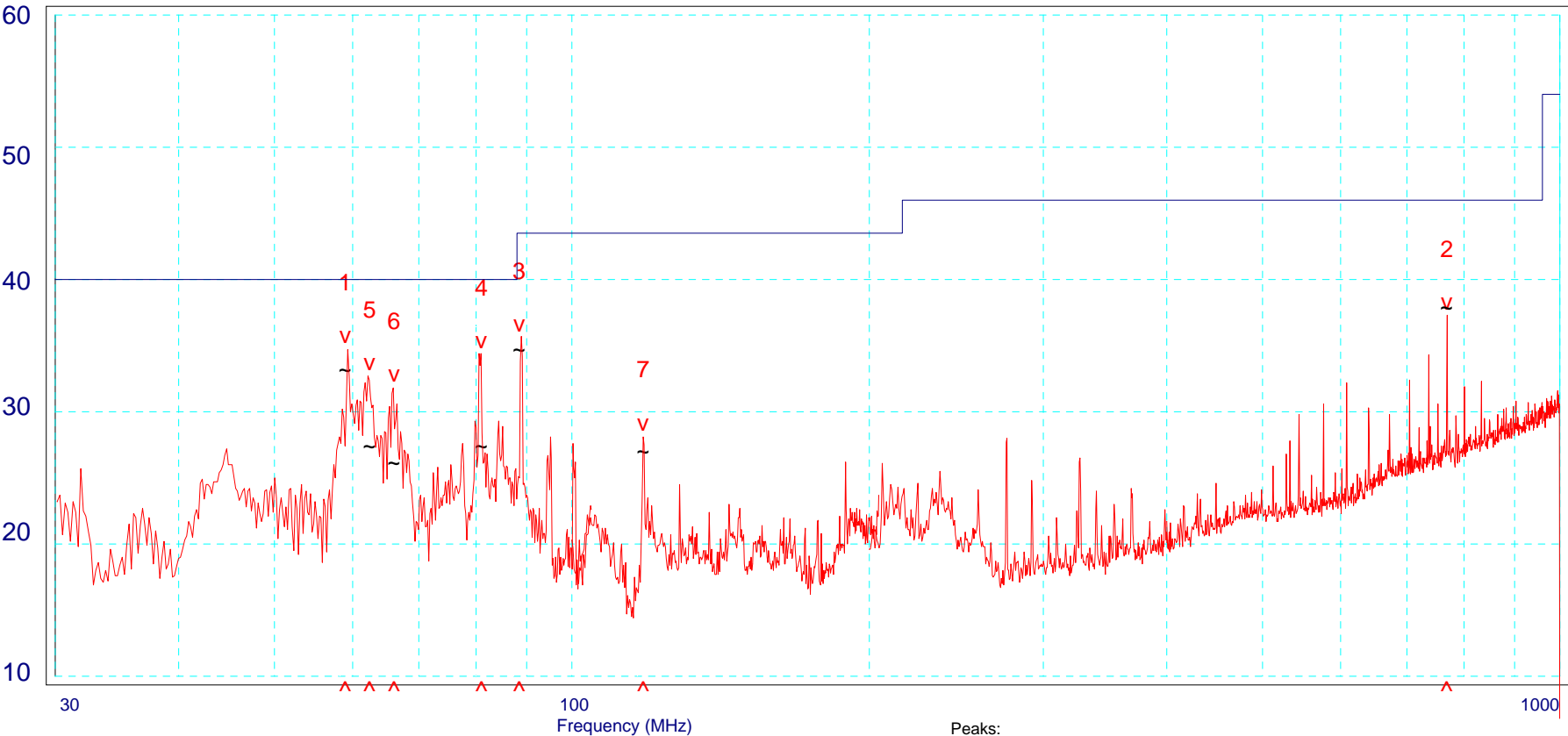
No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC15209-10 (dBuV/m)	dL1 (dB)
1	0.134	86.1	84.0	84.1	-1
2	15.30	43.6	40.2	49.0	-8.8
3	0.268	60.2	57.4	78.1	-20.7

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Radiated Emissions (dBuV/m)
= Ambient

Job No:m110315 p:\PCF\m110315f_2.PCF
Test Date: 07/03/2011

GRAPH No. 2



Aleis Pty Ltd
RFID Reader

Radiated Emissions - Vertical Polarity

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

Legend: — Vertical Emissions

Ver 5.5 Build 160
3m setup for Room 12 ALSE
t:A1370112_10M c1:SILVER+421 c2:C3760911 p:NONE a:NONE
Site ID: Room#12(iOATS),176 Harrick Rd, Keilor Park,Vic
Test Officer:Chieu Huynh

Source: M110315R , 3 , 9 , 10 ,11

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	58.97	34.8	32.3	40.0
2	768.01	37.3	37.0	46.0
3	88.44	35.6	33.8	43.5
4	81.00	34.4	26.5	40.0
5	62.41	32.7	26.5	40.0
6	66.08	31.9	25.2	40.0
7	118.05	28.2	26.1	43.5

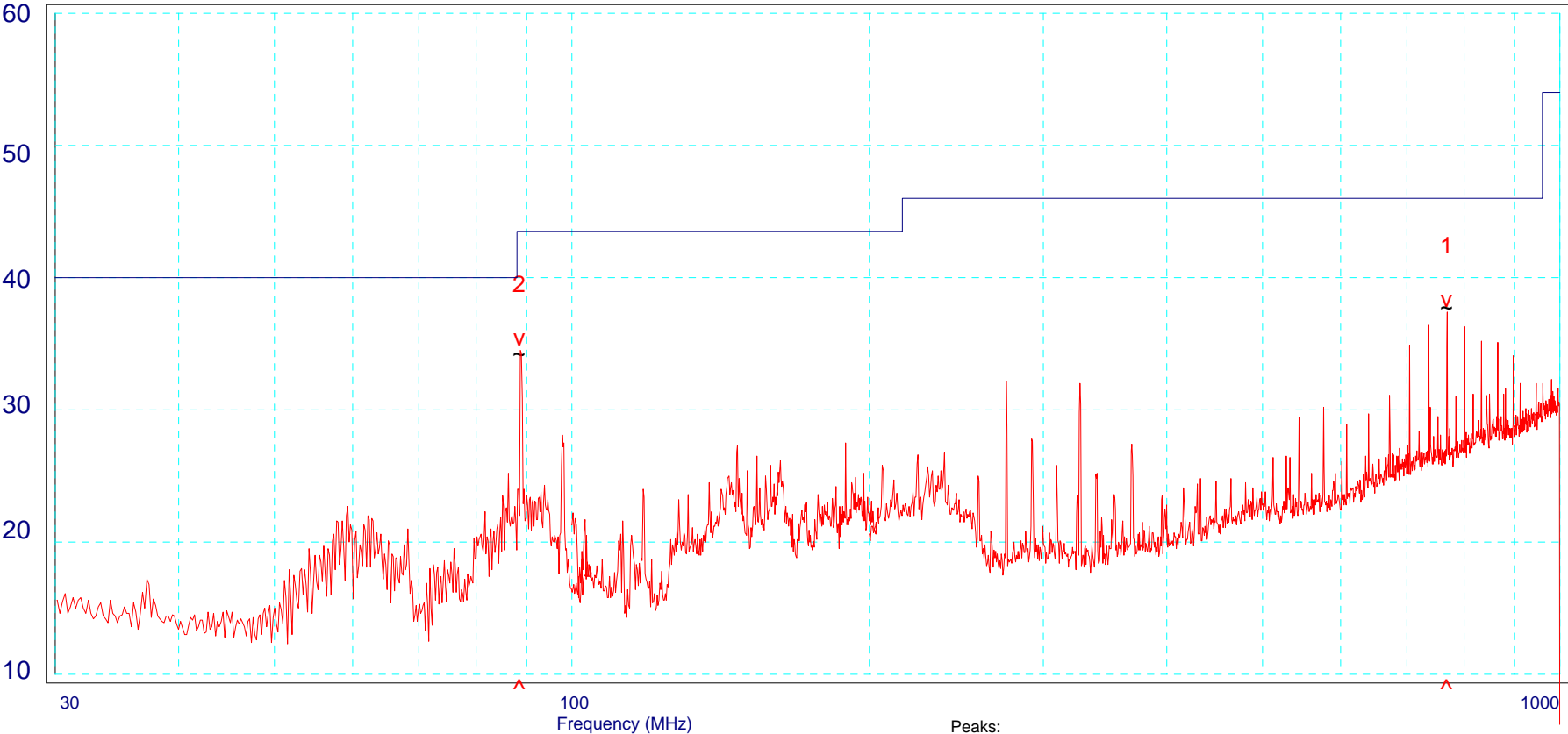
				dL1 (dB)
				-7.7
				-9.0
				-9.7
				-13.5
				-13.5
				-14.8
				-17.4

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Radiated Emissions (dBUV/m)
= Ambient

Job No:m110315 p:\PCF\m110315f_3.PCF
Test Date: 07/03/2011

GRAPH No. 3



Aleis Pty Ltd
RFID Reader

Radiated Emissions - Horizontal Polarity

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

Legend: — Horizontal Emissions

Ver 5.5 Build 160
3m setup for Room 12 ALSE
t:A1370112_10M c1:SILVER+421 c2:C3760911 p:NONE a:NONE
Site ID: Room#12(iOATS),176 Harrick Rd, Keilor Park,Vic
Test Officer:Chieu Huynh

Source: M110315 , 5 , 6 , 7 , 8

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	768.00	37.4	36.8	46.0	-9.2
2	88.44	34.5	33.4	43.5	-10.1