

## **APPENDIX H ISO-9030BT GRAPHS**

### **RADIATED EMI**

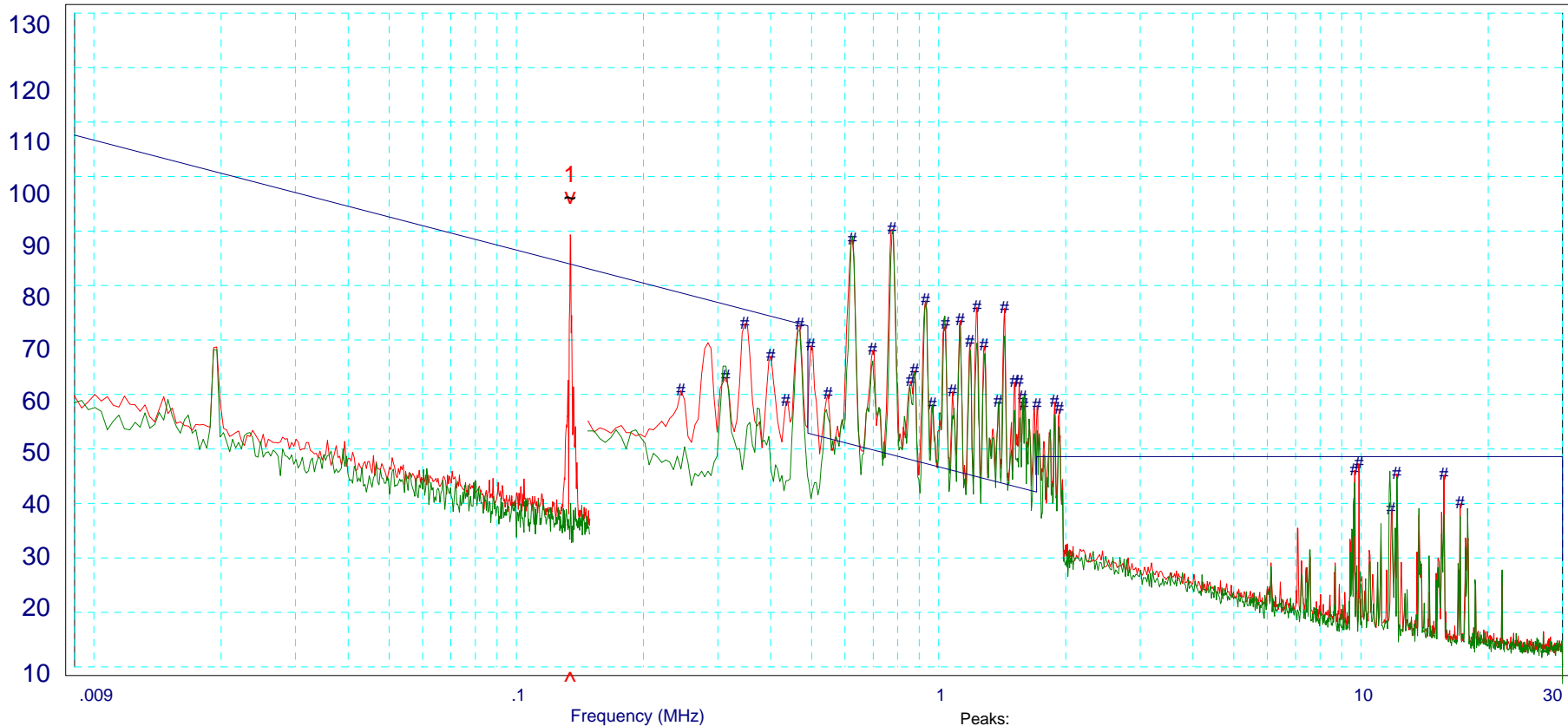
<b>Graph 1:</b>	0.009 MHz – 30 MHz	10m measurement
<b>Graph 2:</b>	0.150 MHz – 2 MHz	3m measurement
<b>Graph 3:</b>	30 MHz – 1000 MHz	Vertical Polarisation
<b>Graph 4:</b>	30 MHz – 1000 MHz	Horizontal Polarisation

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Radiated Emissions dBuV/m  
# = Ambient

Job No:m090340      p:\PCF\m090340f\_1.PCF  
Test Date: 09/04/2009

GRAPH No. 1



Peaks:

No	Freq (MHz)	Peak	QP Val	FCC15209-10 dL1 (dB)
1	0.134	96.8	96.8	83.9

Aleis Pty Ltd  
9030 Reader  
  
Radiated Emissions (0.009MHz - 30MHz)

Limits: FCC15209-10      FCC PART 15.209 10mtr LMTS      Legend:  
  
Ver 5.5 Build 157  
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

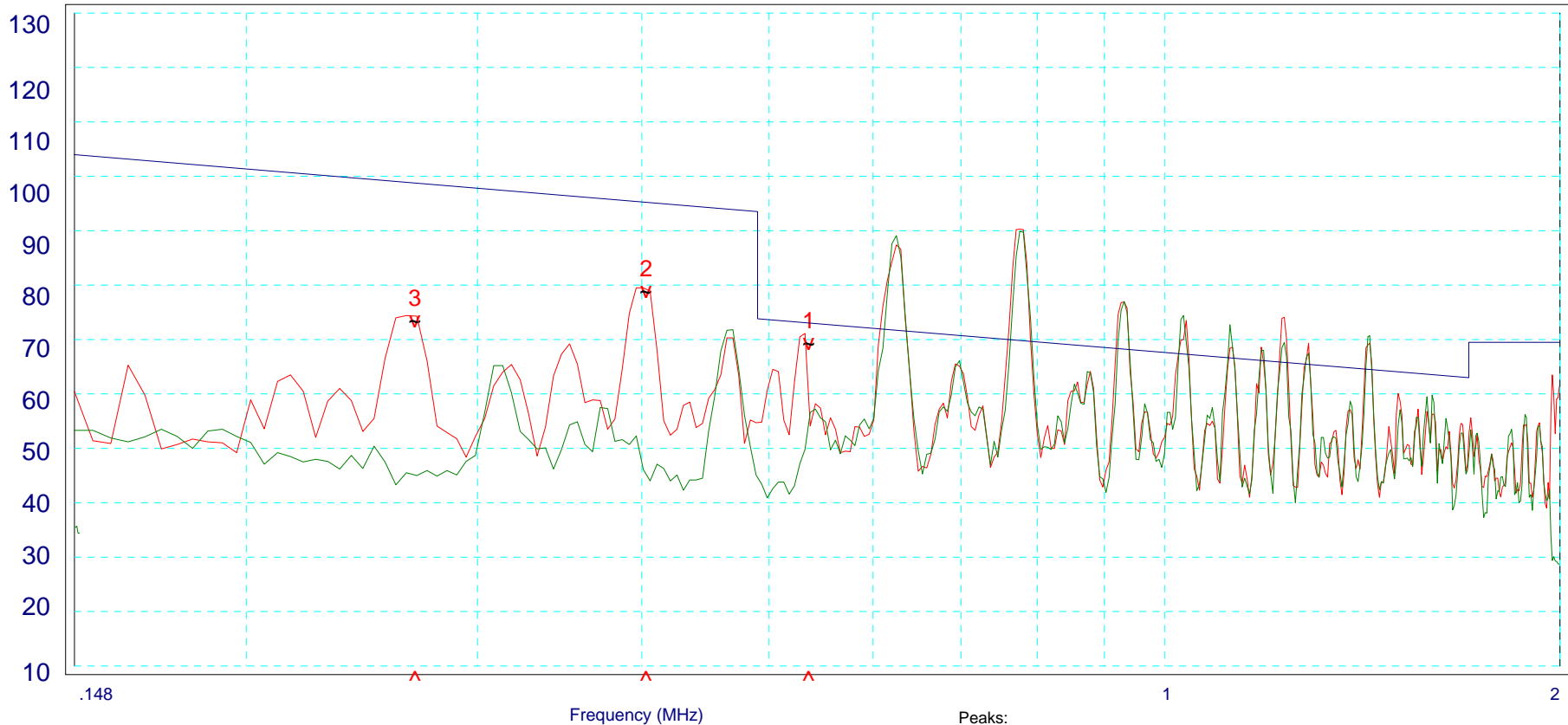
Source:  
M090340#4 ,45 ,46 ,47  
M090340#9 ,41 ,42 ,43

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Radiated Emissions dBuV/m  
# = Ambient

Job No:m090340      p:\PCF\m090340f\_2.PCF  
Test Date: 09/04/2009

GRAPH No. 2



Aleis Pty Ltd  
9030 Reader  
  
Radiated Emissions (0.009MHz - 30MHz)

Limits: FCC15209      Legend: FCC PART 15.209 3mtr LMTS  
  
Ver 5.5 Build 157  
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

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Phone+(613) 9365 1000 Fax+(613) 9331 7455

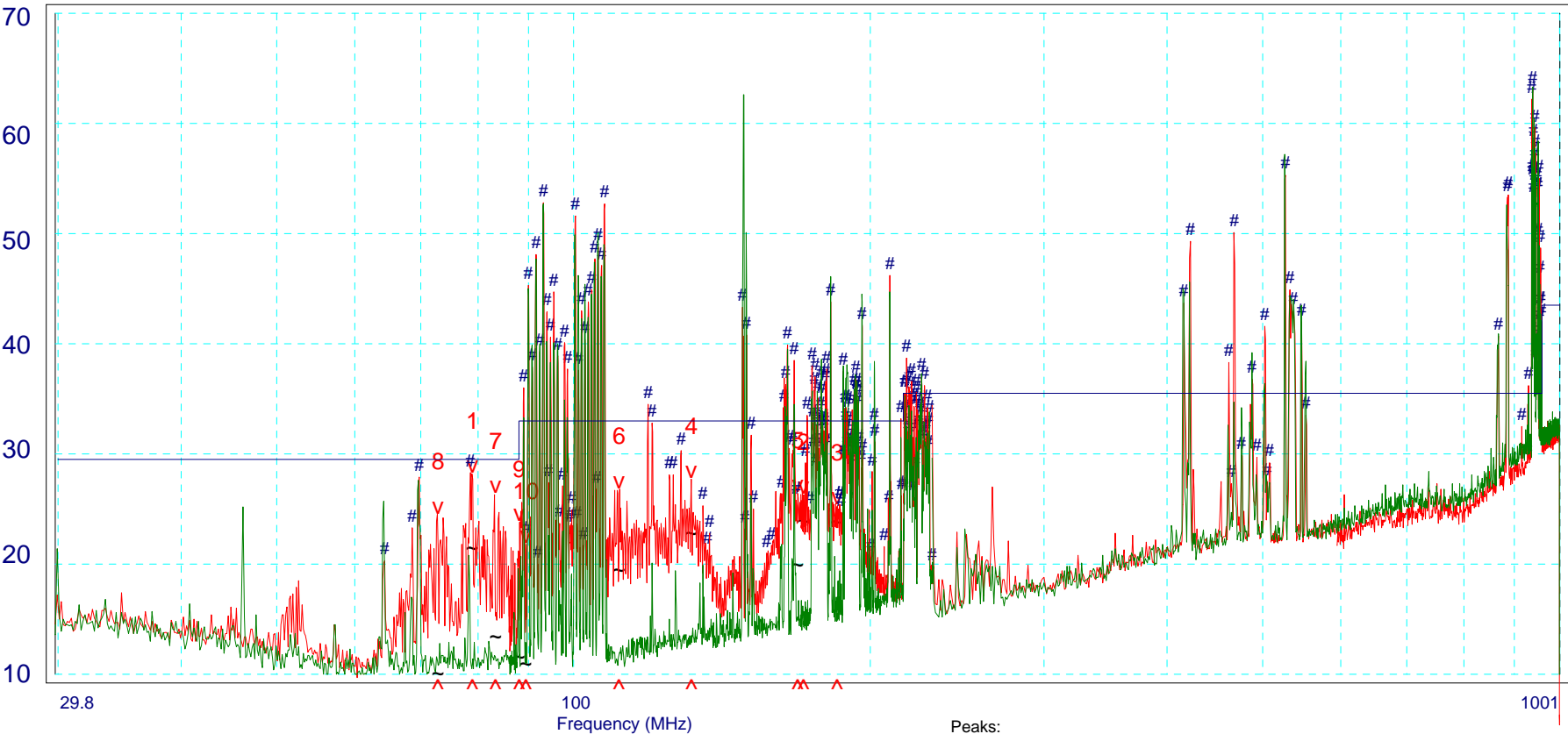
Peaks:					
No	Freq (MHz)	Peak	QP Val	FCC15209	dL1 (dB)
1	0.536	70.0	70.0	73.0	-3.0
2	0.403	79.4	79.4	95.2	-15.8
3	0.269	74.0	74.0	98.8	-24.8

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Radiated Emissions (dBUV/m)  
# = Ambient

Job No:m090340      p:\PCF\m090340f\_3.PCF  
Test Date: 07/04/2009

GRAPH No. 3



Aleis Pty Ltd  
9030 Reader

**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 lerderderg  
t:A1361209\_10M c1:C1310110 c2:C3980210 p:NONE a:NONE  
Site ID: OATS1,Lerderderg Gorge Rd, Bacchus Marsh, VIC  
Test Officer:Lee Hopkins

Source:  
M090340E , 7 , 8 , 9 , 10 ,11 ,12 ,13

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

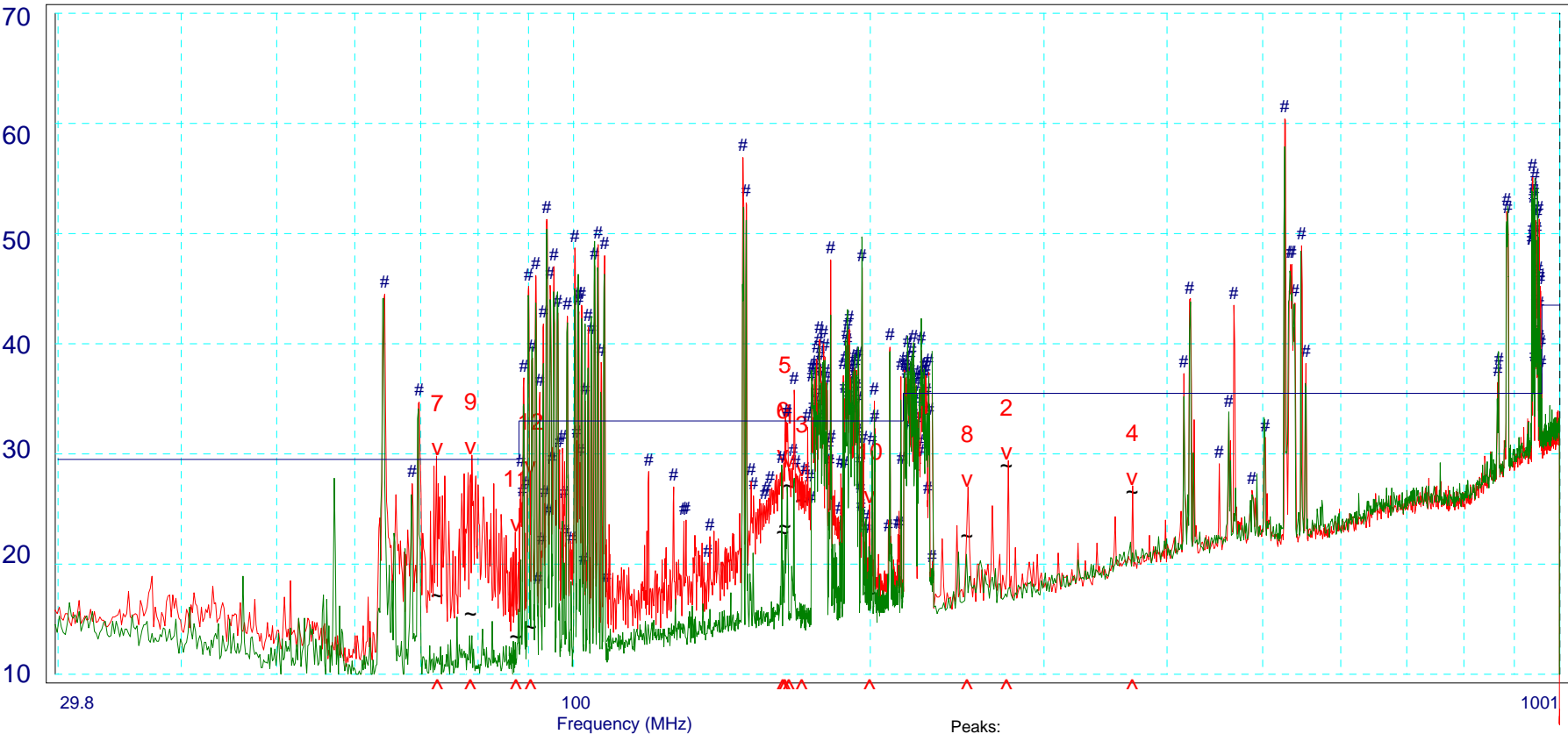
Peaks:					
No	Freq (MHz)	Peak (dBUV/m)	QP Val	FCCB-10 (dBUV/m)	dL1 (dB)
1	78.98	28.2	20.8	29.5	-8.7
2	171.09	26.3	23.3	33.0	-9.7
3	185.09	25.4	23.2	33.0	-9.8
4	131.68	27.7	22.2	33.0	-10.8
5	168.80	26.4	19.3	33.0	-13.7
6	111.21	26.8	18.8	33.0	-14.2
7	83.35	26.4	12.8	29.5	-16.7
8	72.87	24.5	9.4	29.5	-20.1
9	88.09	23.8	10.9	33.0	-22.1
10	89.48	21.8	10.3	33.0	-22.7

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Radiated Emissions (dBuV/m)  
# = Ambient

Job No:m090340      p:\PCF\m090340f\_4.PCF  
Test Date: 07/04/2009

GRAPH No. 4



Aleis Pty Ltd  
9030 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 lerderderg  
t:A1361209\_10M c1:C1310110 c2:C3980210 p:NONE a:NONE  
Site ID: OATS1,Lerderderg Gorge Rd, Bacchus Marsh, VIC  
Test Officer:Lee Hopkins

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	FCCB-10 (dBuV/m)	dL1 (dB)
1	165.39	28.7	26.5	33.0	-6.5
2	274.86	29.4	28.3	35.5	-7.2
3	170.41	27.9	25.1	33.0	-7.9
4	368.68	27.1	25.9	35.5	-9.6
5	163.79	33.3	22.8	33.0	-10.2
6	163.06	29.1	22.2	33.0	-10.8
7	72.75	29.8	16.6	29.5	-12.9
8	250.69	27.0	21.9	35.5	-13.6
9	78.61	29.9	14.8	29.5	-14.7
10	199.68	25.4	16.8	33.0	-16.2
11	87.41	22.9	12.7	29.5	-16.8
12	90.45	28.1	13.6	33.0	-19.4