

APPENDIX H ISO-7020BT GRAPHS

RADIATED EMI

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

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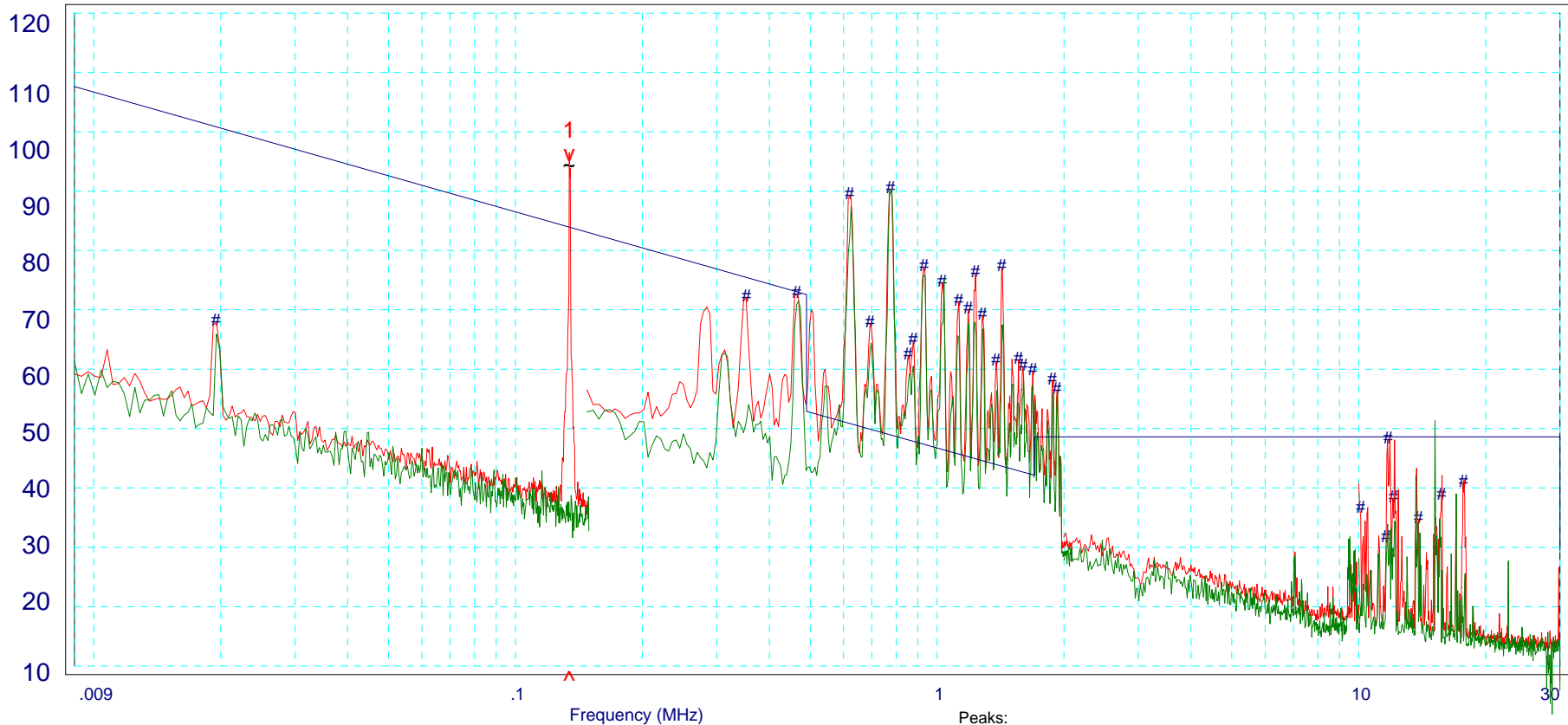
Radiated Emissions dBuV/m
= Ambient

Job No:m090339

p:\PCF\m090339f_1.PCF

Test Date: 09/04/2004

GRAPH No. 1



Aleis Pty Ltd
7020 Reader

Radiated Emissions (0.009MHz - 30MHz)

Limits: FCC15209-10 FCC PART 15.209 10mtr LMTS

Legend: — EUT on

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

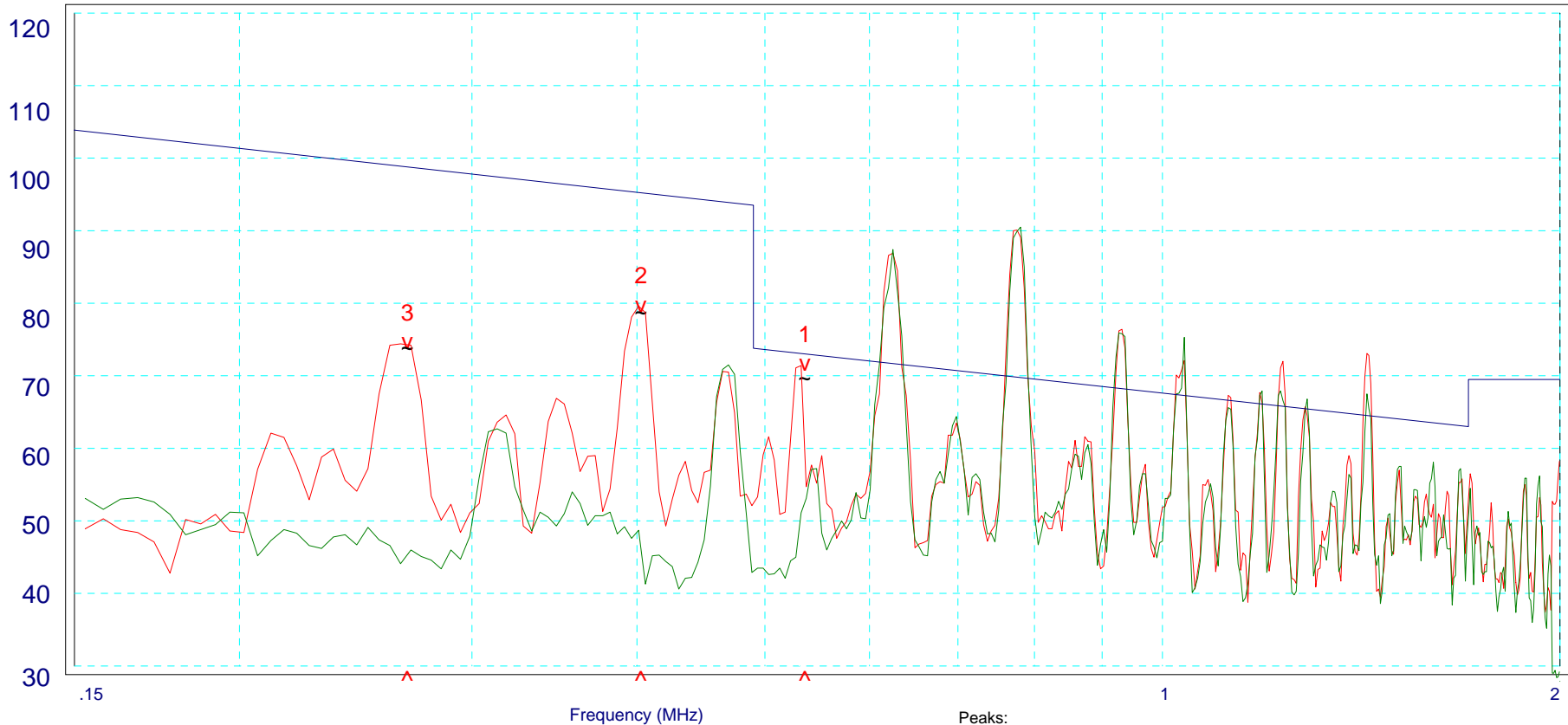
Peaks:					
No	Freq (MHz)	Peak	QP Val	FCC15209-10	dL1 (dB)
1	0.134	96.5	94.8	83.9	10.9

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Radiated Emissions dBuV/m
= Ambient

Job No:m090339 p:\PCF\m090339f_2.PCF
Test Date: 09/04/2004

GRAPH No. 2



Aleis Pty Ltd
7020 Reader

Radiated Emissions (0.009MHz - 30MHz)

Limits: FCC15209 FCC PART 15.209 3mtr LMTS

Legend:
— EUT on

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

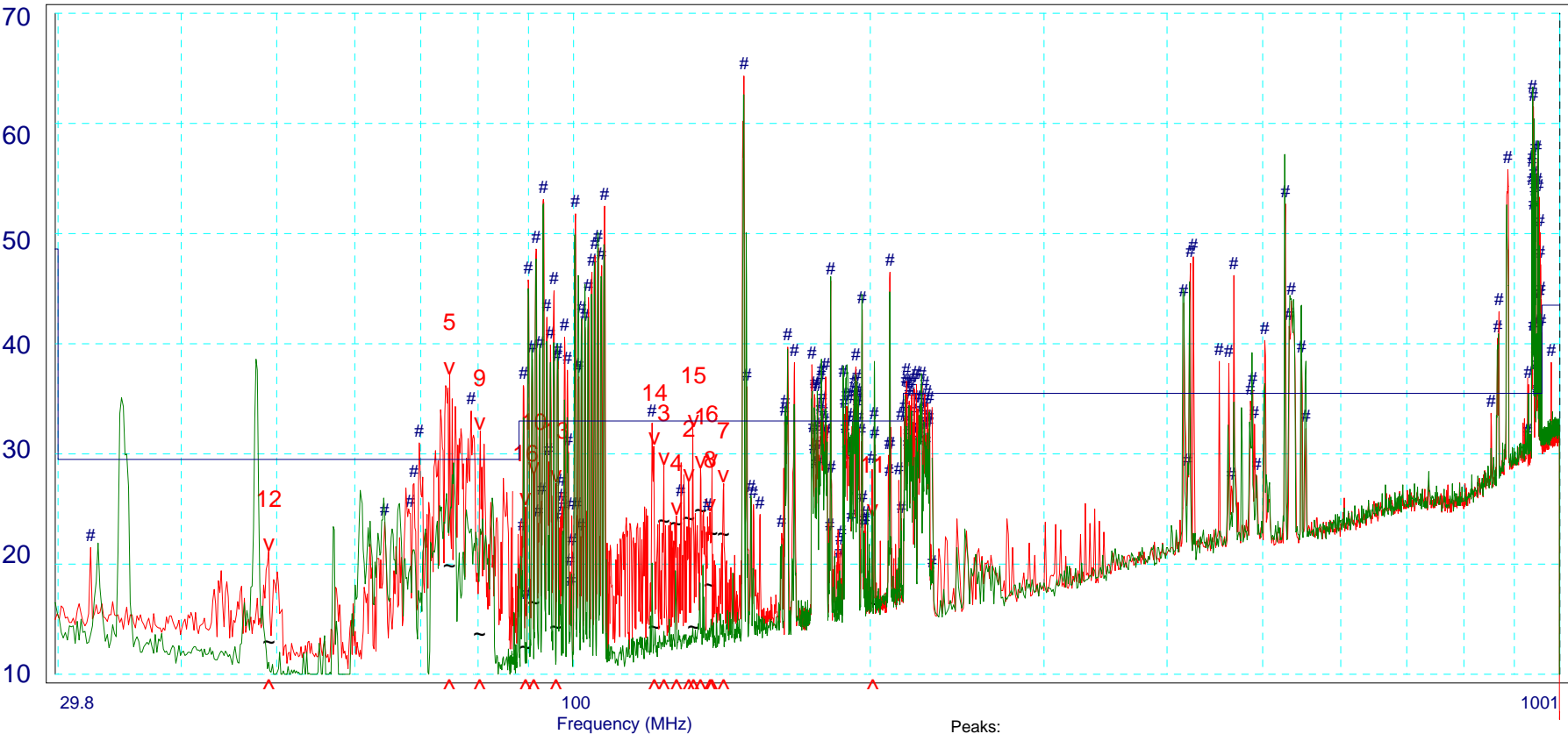
Peaks:					
No	Freq (MHz)	Peak	QP Val	FCC15209	dL1 (dB)
1	0.536	71.5	69.7	73.0	-3.3
2	0.403	79.6	78.7	95.2	-16.5
3	0.268	74.5	73.8	98.8	-25.0

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Radiated Emissions (dBuV/m)
= Ambient

Job No:m090339 p:\PCF\m090339F_3.PCF
Test Date: 07/04/2004

GRAPH No. 3



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7020 Reader

Radiated Emissions - Vertical Polarity

Limits:
FCC15209-10 FCC PART 15.209 10mtr LMTS

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:
M090339R , 2 , 3 , 4 , 5 , 14 ,15 ,16

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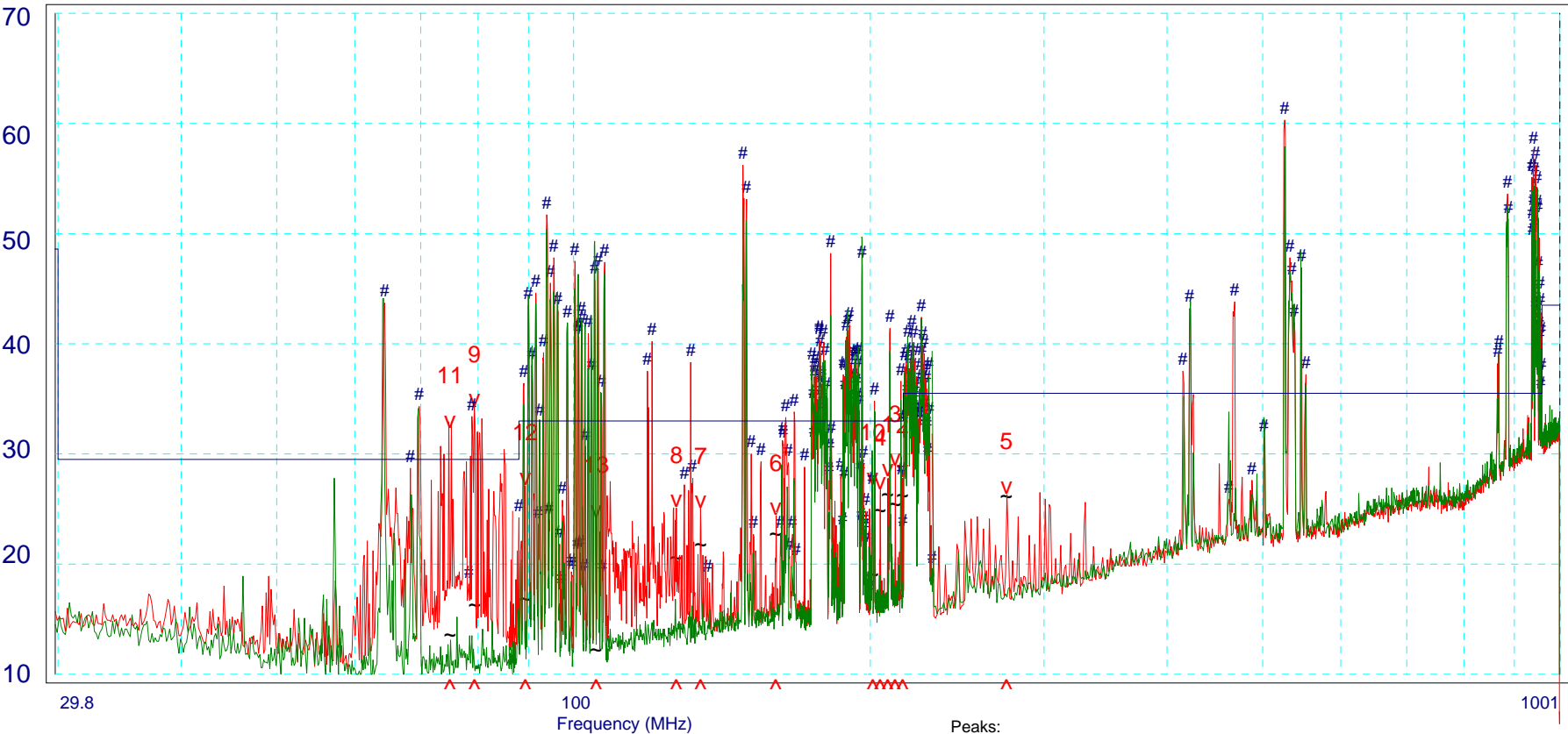
Peaks:					
No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC15209-10 (dBuV/m)	dL1 (dB)
1	134.57	28.6	24.2	33.0	-8.8
2	130.90	27.4	23.5	33.0	-9.5
3	123.52	28.9	23.3	33.0	-9.7
4	127.21	24.4	23.0	33.0	-10.0
5	74.83	37.2	19.2	29.5	-10.3
6	138.21	28.8	22.1	33.0	-10.9
7	141.93	27.3	22.1	33.0	-10.9
8	137.59	24.7	17.5	33.0	-15.5
9	80.30	32.1	13.0	29.5	-16.5
10	91.14	28.1	15.9	33.0	-17.1
11	201.06	24.2	15.8	33.0	-17.2
12	49.10	21.1	12.3	29.5	-17.2
13	96.01	27.3	13.7	33.0	-19.3
14	120.82	30.8	13.6	33.0	-19.4
15	132.38	32.4	13.6	33.0	-19.4
16	89.39	25.2	11.8	33.0	-21.2

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Radiated Emissions (dBuV/m)
= Ambient

Job No:m090339 p:\PCF\m090339F_4.PCF
Test Date: 07/04/2004

GRAPH No. 4



Aleis Pty Ltd
7020 Reader

Radiated Emissions - Horizontal Polarity

Limits:
FCC15209-10 FCC PART 15.209 10mtr LMTS

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

Legend:
— Horizontal Emissions

Source:
M090339R , 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	FCC15209-10 (dBuV/m)	dL1 (dB)
1	208.30	27.8	25.7	33.0	-7.3
2	215.69	27.8	25.6	33.0	-7.4
3	211.95	28.8	24.8	33.0	-8.2
4	204.63	26.7	24.2	33.0	-8.8
5	274.86	26.3	25.5	35.5	-10.0
6	160.39	24.4	22.1	33.0	-10.9
7	134.56	25.0	21.1	33.0	-11.9
8	127.13	25.1	20.0	33.0	-13.0
9	79.34	34.2	15.6	29.5	-13.9
10	201.06	27.1	18.4	33.0	-14.6
11	74.94	32.3	12.9	29.5	-16.6
12	89.34	27.1	16.2	33.0	-16.8
13	105.44	24.2	11.5	33.0	-21.5