

EMC Technologies Report Number: M060140_Cert_G3_External_Receiver**APPENDIX H****Graphs of EMI Measurement****CONDUCTED EMI (0.15 MHz to 30 MHz)****Graph 1:** Active Line,**Graph 2:** Neutral Line,**RADIATED EMI (30 MHz to 1000 MHz)****Graph 3:** Vertical Polarisation, Tuned to 30 MHz**Graph 4:** Horizontal Polarisation Tuned to 30 MHz**Graph 5:** Vertical Polarisation, Tuned to 495 MHz**Graph 6:** Horizontal Polarisation Tuned to 495 MHz**Graph 7:** Vertical Polarisation, Tuned to 960 MHz**Graph 8:** Horizontal Polarisation Tuned to 960 MHz

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Conducted Emissions (dBuV)
AV Trace

Job No:m060140

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Test Date: 02/02/06

GRAPH No. 1



Rosetta Laboratories Pty Ltd
WinRadio G3 Series Receiver (USB Version)

Conducted Emissions - Active line

Limits:
FCC_BQPN FCC PART 15 CLASS B CONDUCTED QP LIMITS (2002)
FCC_BAVN FCC PART 15 CLASS B CONDUCTED AVERAGE LIMIT (2002)
Legend:
Active Line

Ver 5.5 Build 110
conducted lab 3 using L-22 LISN
t:L0220506 c1:C1621206 c2:C1521206 p:NONE a:L0180706
Site ID: Room#3,57 Assembly Drv. Tullamarine, VIC
Test Officer:Kevin Hansen

Source:
M060140C 7 2 3

EMC Technologies (Melbourne) 57 Assembly Drv Tullamarine, 3043, Vic, Australia
Phone+(613) 9335 3333 Fax+(613) 9338 9260

Peaks:							
No	Freq (MHz)	Peak (dBuV)	QP Val (dBuV)	FCC_BQPN dL1 (dB)	Av Val (dBuV)	FCC_BAVN dL2 (dB)	
1	12.00	44.9	44.5	60.0	-15.5	41.4	50.0 -8.6
2	24.00	42.4	41.9	60.0	-18.1	39.8	50.0 -10.2
3	11.87	42.8	41.8	60.0	-18.2	38.3	50.0 -11.7
4	12.27	42.1	36.9	60.0	-23.2	32.1	50.0 -17.9
5	14.87	42.3	38.2	60.0	-21.8	28.2	50.0 -21.8
6	0.408	52.6	46.7	57.7	-11.0	9.2	47.7 -38.5
7	0.295	54.0	47.7	60.4	-12.7	11.6	50.4 -38.8

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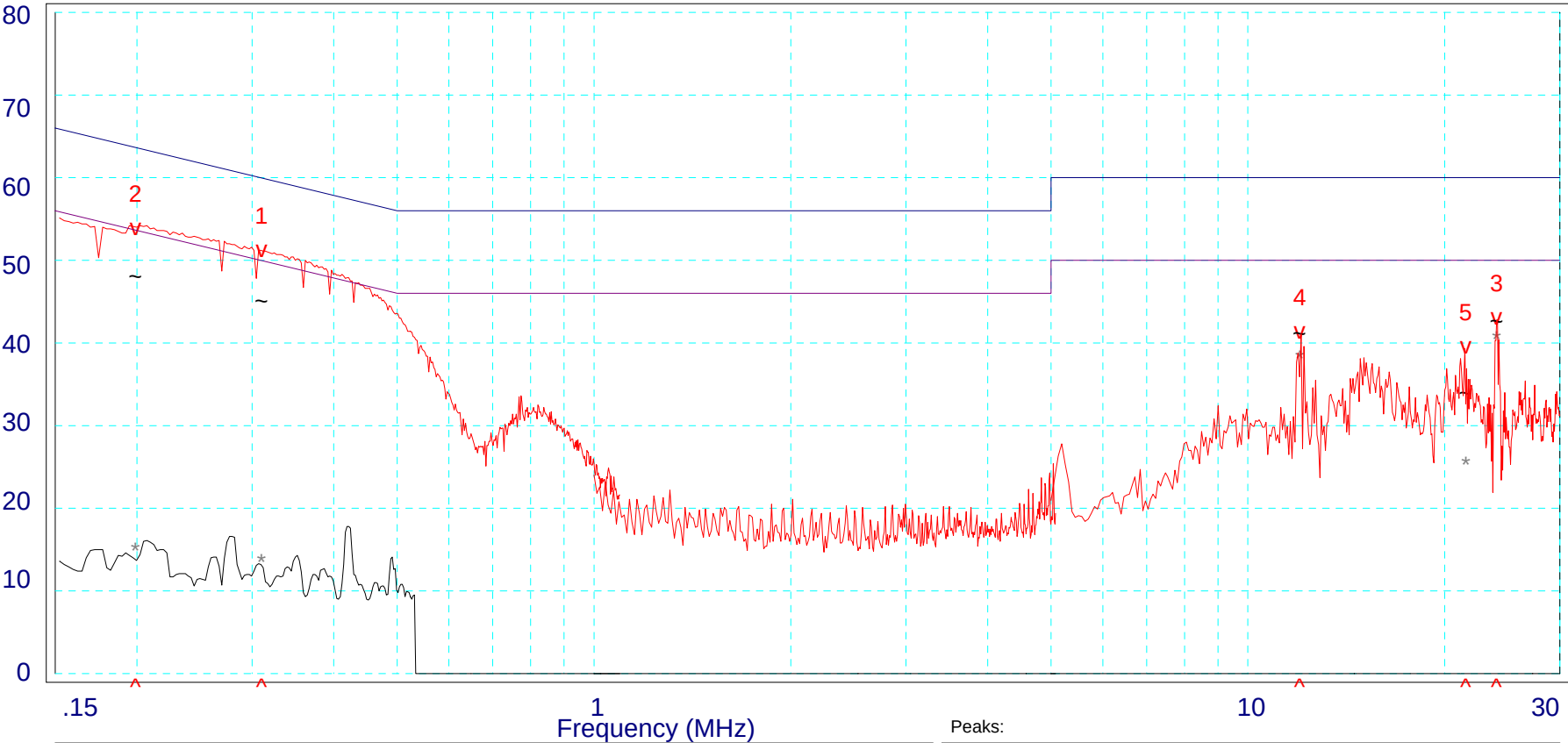
Conducted Emissions (dBuV)
— AV Trace

Job No:m060140

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Test Date: 02/02/06

GRAPH No. 2



Rosetta Laboratories Pty Ltd
WinRadio G3 Series Receiver (USB Version)

Conducted Emissions - Neutral line

Limits:
FCC_BQPN FCC PART 15 CLASS B CONDUCTED QP LIMITS (2002)
FCC_BAVN FCC PART 15 CLASS B CONDUCTED AVERAGE LIMIT (2002) — Neutral Line

Ver 5.5 Build 110
conducted lab 3 using L-22 LISN
t:L0220506 c1:C1621206 c2:C1521206 p:NONE a:L0180706
Site ID: Room#3,57 Assembly Drv. Tullamarine, VIC
Test Officer:Kevin Hansen

Source:
M060140C 4 5 6

EMC Technologies (Melbourne) 57 Assembly Drv Tullamarine, 3043, Vic, Australia
Phone+(613) 9335 3333 Fax+(613) 9338 9260

Peaks:								
No	Freq (MHz)	Peak (dBuV)	QP Val (dBuV)	FCC_BQPN (dBuV)	dL1 (dB)	Av Val (dBuV)	FCC_BAVN (dBuV)	dL2 (dB)
1	0.310	50.9	44.6	60.0	-15.3	13.1	50.0	-36.9
2	0.199	53.6	47.6	63.7	-16.0	14.4	53.7	-39.3
3	24.00	42.8	42.2	60.0	-17.8	40.0	50.0	-10.0
4	12.00	41.1	40.8	60.0	-19.2	37.7	50.0	-12.3
5	21.54	39.3	33.6	60.0	-26.4	24.8	50.0	-25.2

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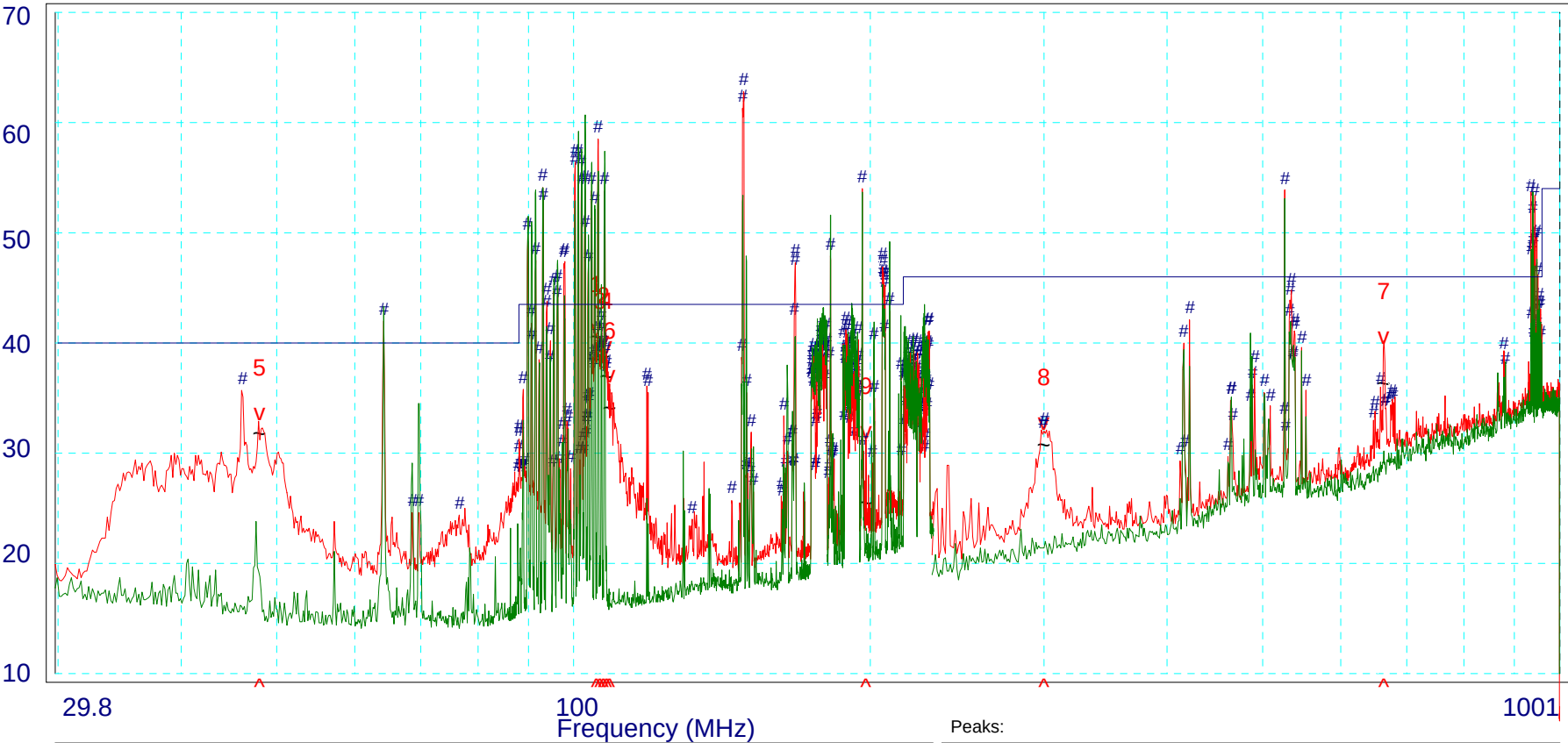
Radiated Emissions (dBUV/m)
= Ambient

Job No:m060140

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Test Date: 31/01/06

GRAPH No. 3



Rosetta Laboratories Pty Ltd
WinRadio G3 Series Receiver (USB Version)
Tuned to 30MHz
Radiated Emissions - Vertical Polarity

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

Legend:
— Vertical Emissions

Ver 0.55 Build 112
radiated emissions site 2 lerderderg
t:A1370606_10M c1:C1701106 c2:NONE p:NONE a:NONE
Site ID: OATS2,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Kevin Hansen

Source:
m060140r 9 10 11 12 13 4 1 2

EMC Technologies (Melbourne) 57 Assembly Drv Tullamarine, 3043, Vic, Australia
Phone+(613) 9335 3333 Fax+(613) 9338 9260

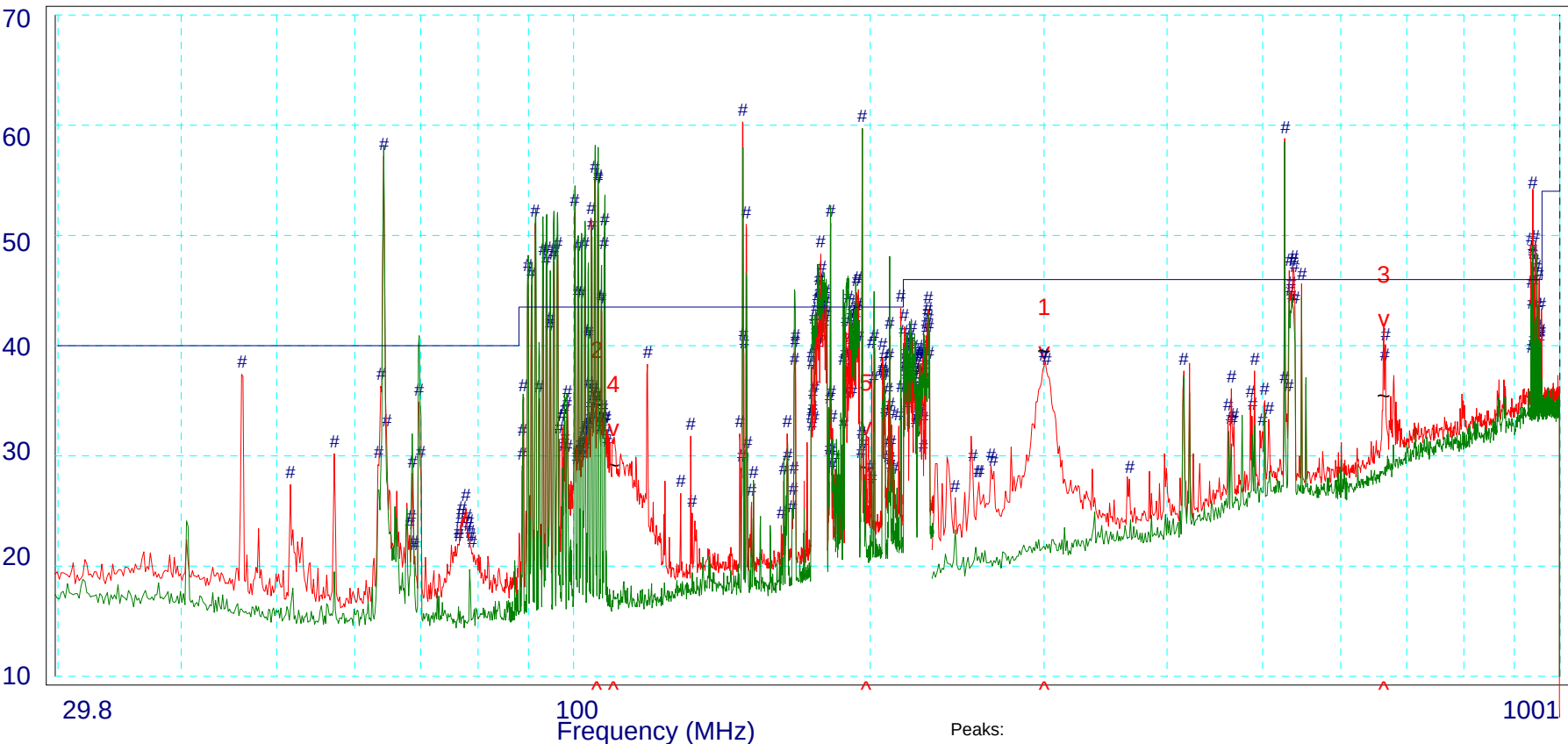
Peaks:					
No	Freq (MHz)	Peak (dBUV/m)	QP Val	FCC-B3 (dBUV/m)	dL1 (dB)
1	105.49	40.5	39.7	43.5	-3.8
2	107.25	39.5	38.0	43.5	-5.5
3	106.33	39.0	37.7	43.5	-5.8
4	108.01	39.0	36.1	43.5	-7.4
5	48.02	32.9	31.0	40.0	-9.0
6	108.77	36.3	33.3	43.5	-10.2
7	663.36	39.9	35.5	46.0	-10.5
8	299.91	32.1	30.0	46.0	-16.0
9	197.98	31.3	24.7	43.5	-18.8

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Radiated Emissions (dBuV/m)
= Ambient

Job No:m060140 p:\PCF\m060140_4.PCF
Test Date: 31/01/06

GRAPH No. 4



Rosetta Laboratories Pty Ltd
WinRadio G3 Series Receiver (USB Version)
Tuned to 30MHz
Radiated Emissions - Horizontal Polarity

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

Legend: Horizontal Emissions

Ver 0.55 Build 112
radiated emissions site 2 lerderderg
t:A1370606_10M c1:C1701106 c2:NONE p:NONE a:NONE
Site ID: OATS2,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Kevin Hansen

Source: m060140r 14 15 16 17 18 5 6 7

EMC Technologies (Melbourne) 57 Assembly Drv Tullamarine, 3043, Vic, Australia
Phone+(613) 9335 3333 Fax+(613) 9338 9260

Peaks:

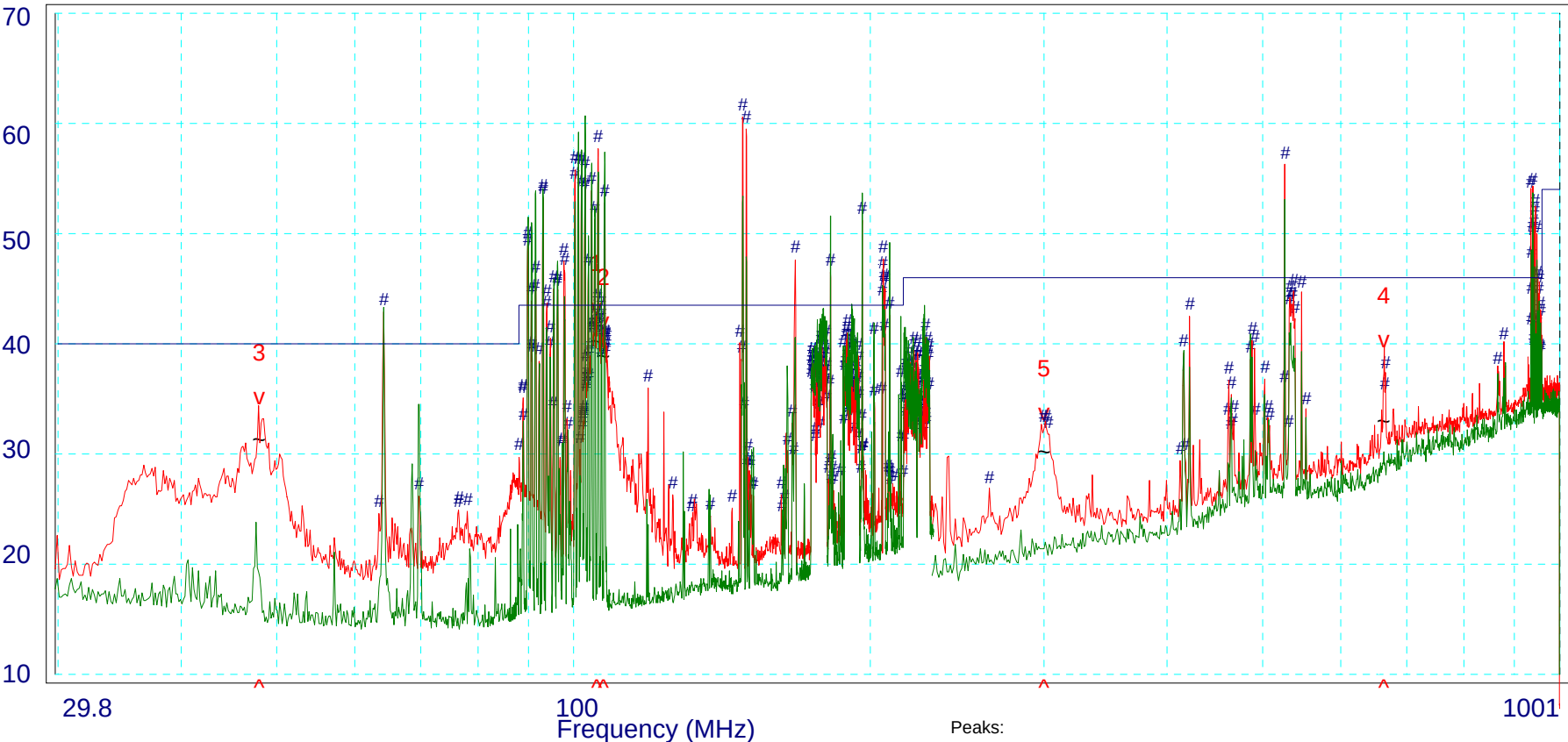
No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC-B3 (dBuV/m)	dL1 (dB)
1	300.20	38.7	38.7	46.0	-7.3
2	105.57	34.8	33.9	43.5	-9.6
3	663.56	41.7	34.7	46.0	-11.3
4	109.76	31.7	28.4	43.5	-15.1
5	198.00	31.9	28.1	43.5	-15.4

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Radiated Emissions (dBuV/m)
= Ambient

Job No:m060140 p:\PCF\m060140_5.PCF
Test Date: 31/01/06

GRAPH No. 5



Rosetta Laboratories Pty Ltd
WinRadio G3 Series Receiver (USB Version)
Tuned to 495 MHz
Radiated Emissions - Vertical Polarity

Limits: FCC-B3 FCC CLASS B RAD 3M LIMITS
Legend: Vertical Emissions
Ver 0.55 Build 112
radiated emissions site 2 lerderg
t:A1370606_10M c1:C1701106 c2:NONE p:NONE a:NONE
Site ID: OATS2,Lerderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Kevin Hansen

EMC Technologies (Melbourne) 57 Assembly Drv Tullamarine, 3043, Vic, Australia
Phone+(613) 9335 3333 Fax+(613) 9338 9260

Peaks:

No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC-B3 (dBuV/m)	dL1 (dB)
1	105.53	42.5	39.4	43.5	-4.1
2	107.25	41.3	38.1	43.5	-5.4
3	47.98	34.4	30.5	40.0	-9.5
4	663.45	39.6	32.2	46.0	-13.8
5	300.05	33.0	29.4	46.0	-16.6

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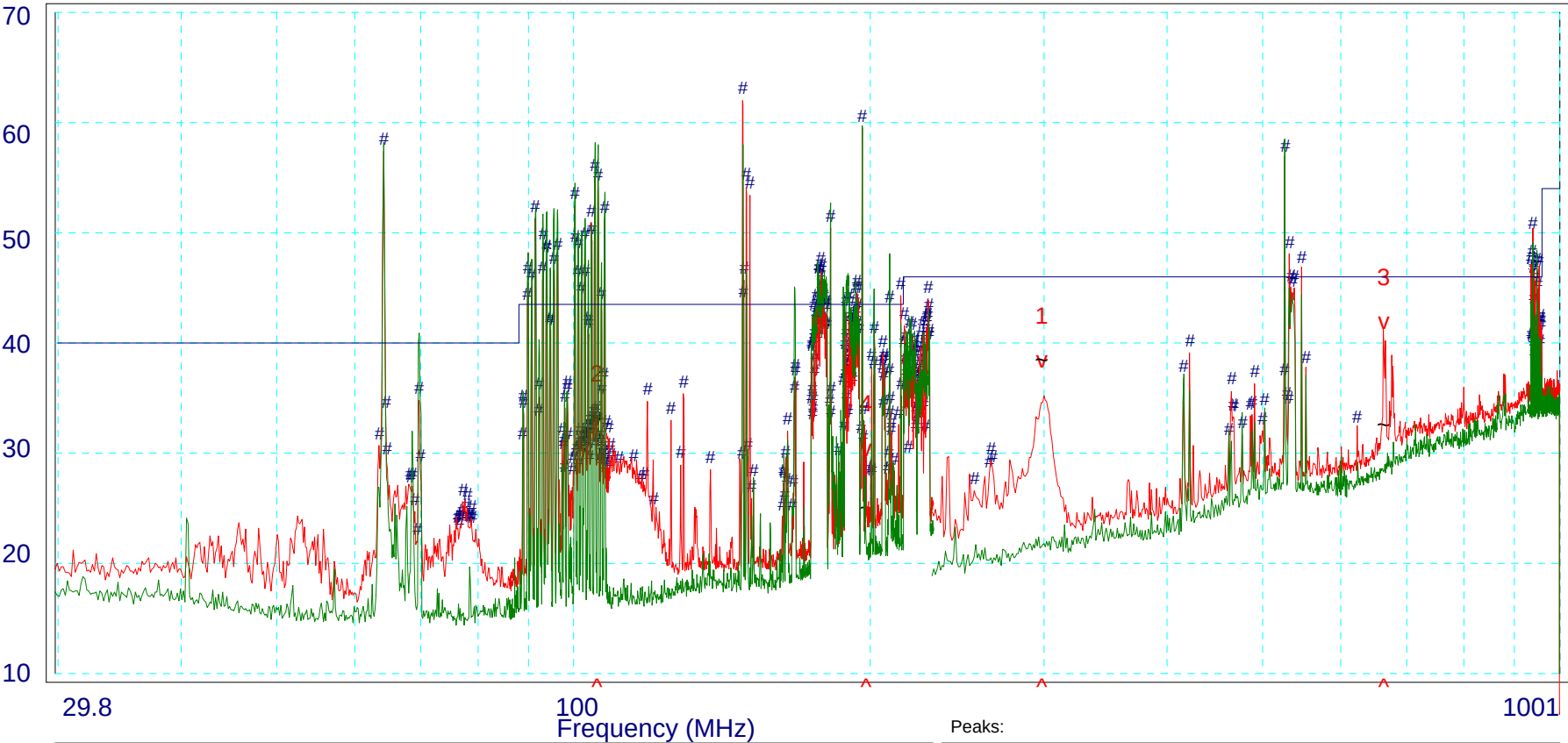
Radiated Emissions (dBuV/m)
= Ambient

Job No:m060140

p:\PCF\m060140_6.PCF

Test Date: 31/01/06

GRAPH No. 6



Rosetta Laboratories Pty Ltd
WinRadio G3 Series Receiver (USB Version)
Tuned to 495 MHz
Radiated Emissions - Horizontal Polarity

Limits: FCC-B3 FCC CLASS B RAD 3M LIMITS
Legend: Horizontal Emissions

Ver 0.55 Build 112
radiated emissions site 2 lerderderg
t:A1370606_10M c1:C1701106 c2:NONE p:NONE a:NONE
Site ID: OATS2,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Kevin Hansen

EMC Technologies (Melbourne) 57 Assembly Drv Tullamarine, 3043, Vic, Australia
Phone+(613) 9335 3333 Fax+(613) 9338 9260

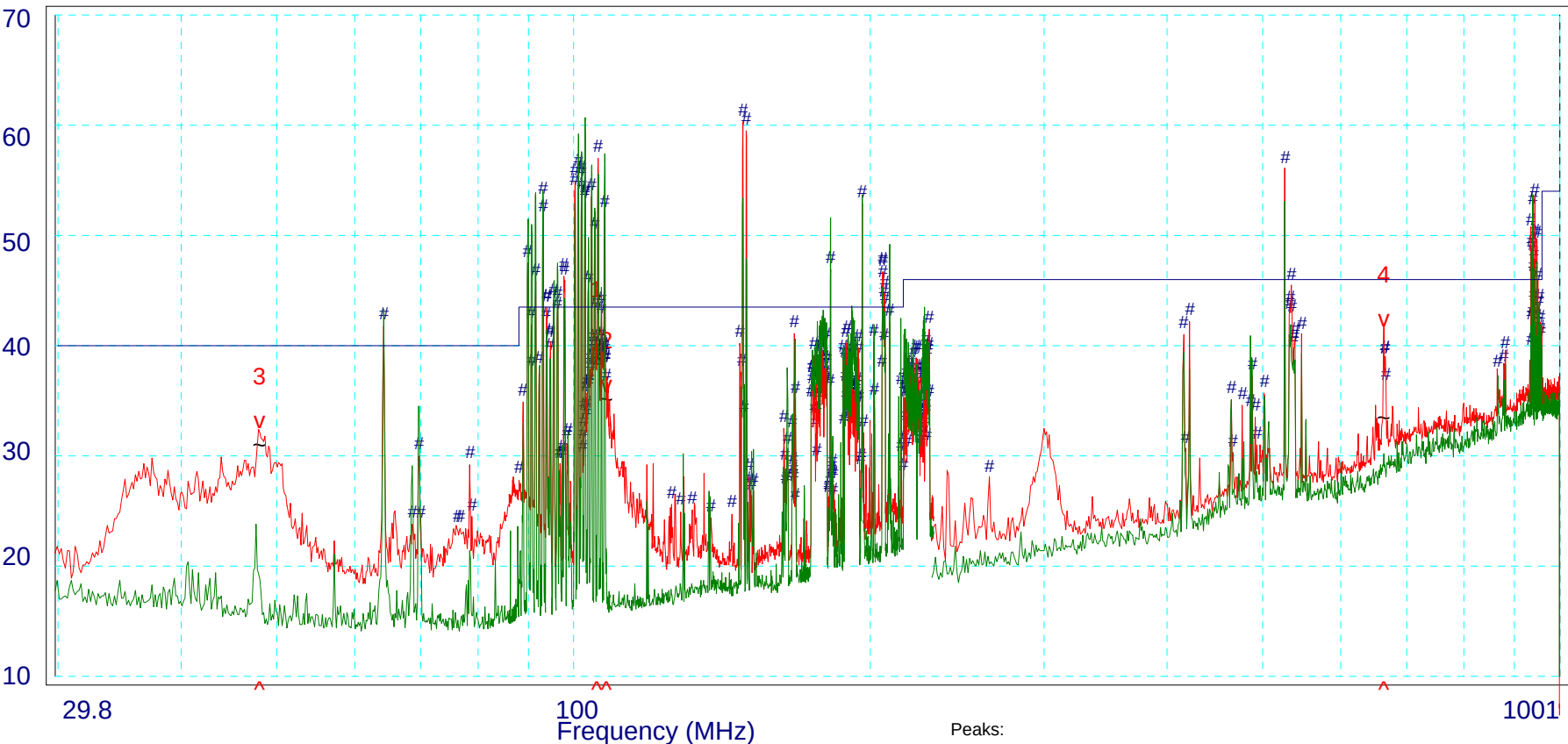
Peaks:					
No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC-B3 (dBuV/m)	dL1 (dB)
1	298.51	37.7	37.7	46.0	-8.3
2	105.60	32.4	32.4	43.5	-11.1
3	663.49	41.2	31.8	46.0	-14.3
4	198.02	29.7	24.3	43.5	-19.3

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Radiated Emissions (dBuV/m)
= Ambient

Job No:m060140 p:\PCF\m060140_7.PCF
Test Date: 31/01/06

GRAPH No. 7



Rosetta Laboratories Pty Ltd
WinRadio G3 Series Receiver (USB Version)
Tuned to 960 MHz
Radiated Emissions - Vertical Polarity

Peaks:

No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC-B3 (dBuV/m)	dL1 (dB)
1	105.52	40.3	37.6	43.5	-5.9
2	107.96	35.7	34.3	43.5	-9.2
3	48.03	32.4	30.2	40.0	-9.8
4	663.58	41.7	32.7	46.0	-13.3

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

Legend: Vertical Emissions

Ver 0.55 Build 112
radiated emissions site 2 lerderg
t:A1370606_10M c1:C1701106 c2:NONE p:NONE a:NONE
Site ID: OATS2,Lerderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Kevin Hansen

Source: m060140r 41 42 43 44 45 38 39 40

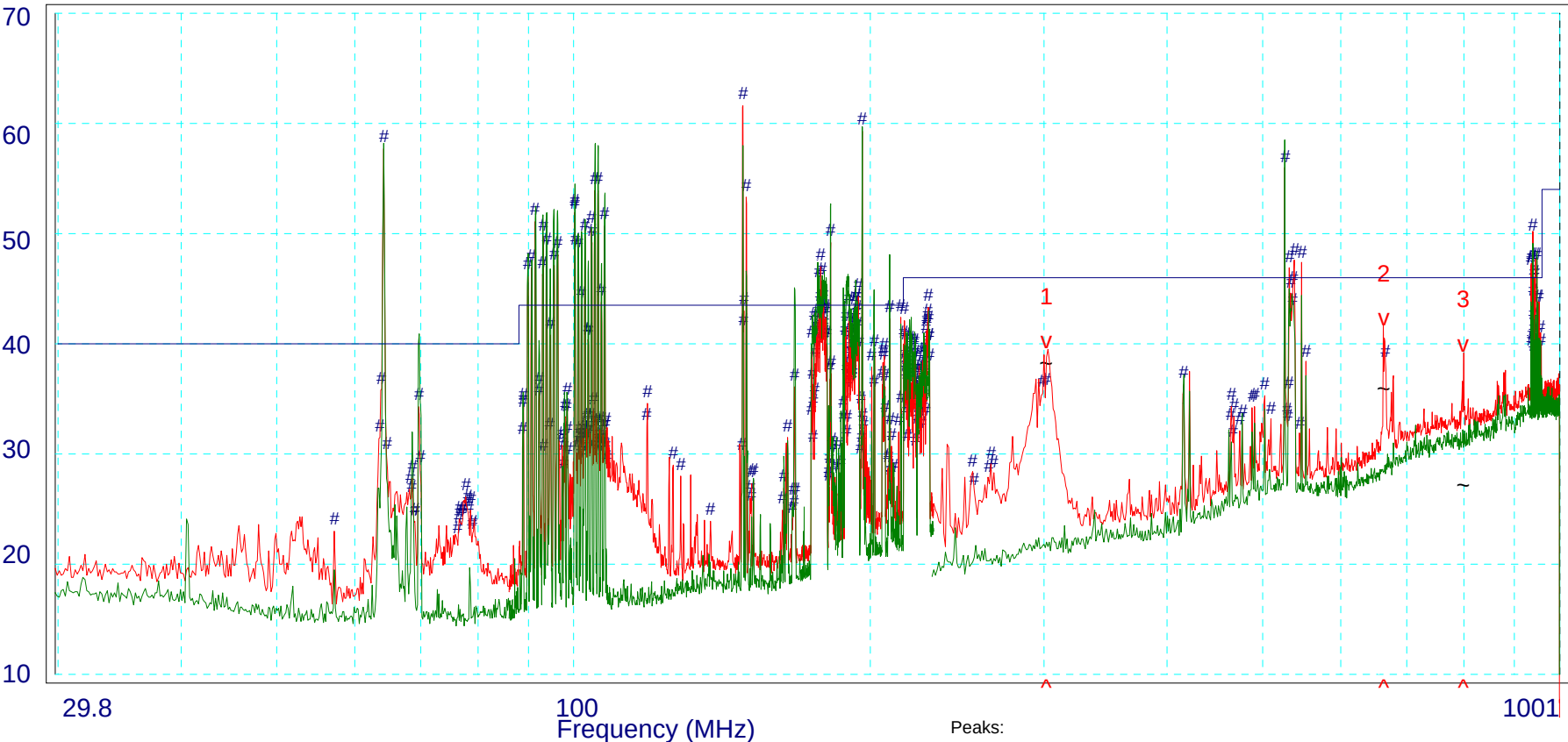
EMC Technologies (Melbourne) 57 Assembly Drv Tullamarine, 3043, Vic, Australia
Phone+(613) 9335 3333 Fax+(613) 9338 9260

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Radiated Emissions (dBuV/m)
= Ambient

Job No:m060140 p:\PCF\m060140_8.PCF
Test Date: 31/01/06

GRAPH No. 8



Rosetta Laboratories Pty Ltd
WinRadio G3 Series Receiver (USB Version)
Tuned to 960 MHz
Radiated Emissions - Horizontal Polarity

Limits: FCC-B3 FCC CLASS B RAD 3M LIMITS
Legend: Horizontal Emissions
Ver 0.55 Build 112
radiated emissions site 2 lerderderg
t:A1370606_10M c1:C1701106 c2:NONE p:NONE a:NONE
Site ID: OATS2,Lerderderg Gorge Rd, Bacchus Marsh, VIC
Test Officer:Kevin Hansen

EMC Technologies (Melbourne) 57 Assembly Drv Tullamarine, 3043, Vic, Australia
Phone+(613) 9335 3333 Fax+(613) 9338 9260

Peaks:

No	Freq (MHz)	Peak (dBuV/m)	QP Val	FCC-B3 (dBuV/m)	dL1 (dB)
1	301.63	39.5	37.5	46.0	-8.5
2	663.58	41.6	35.1	46.0	-10.9
3	798.72	39.2	26.4	46.0	-19.6