

EMC Technologies Report Number: M040733_Cert_Soriel_Atheros_2.4_BT

APPENDIX I – GRAPHS OF EMI MEASUREMENT

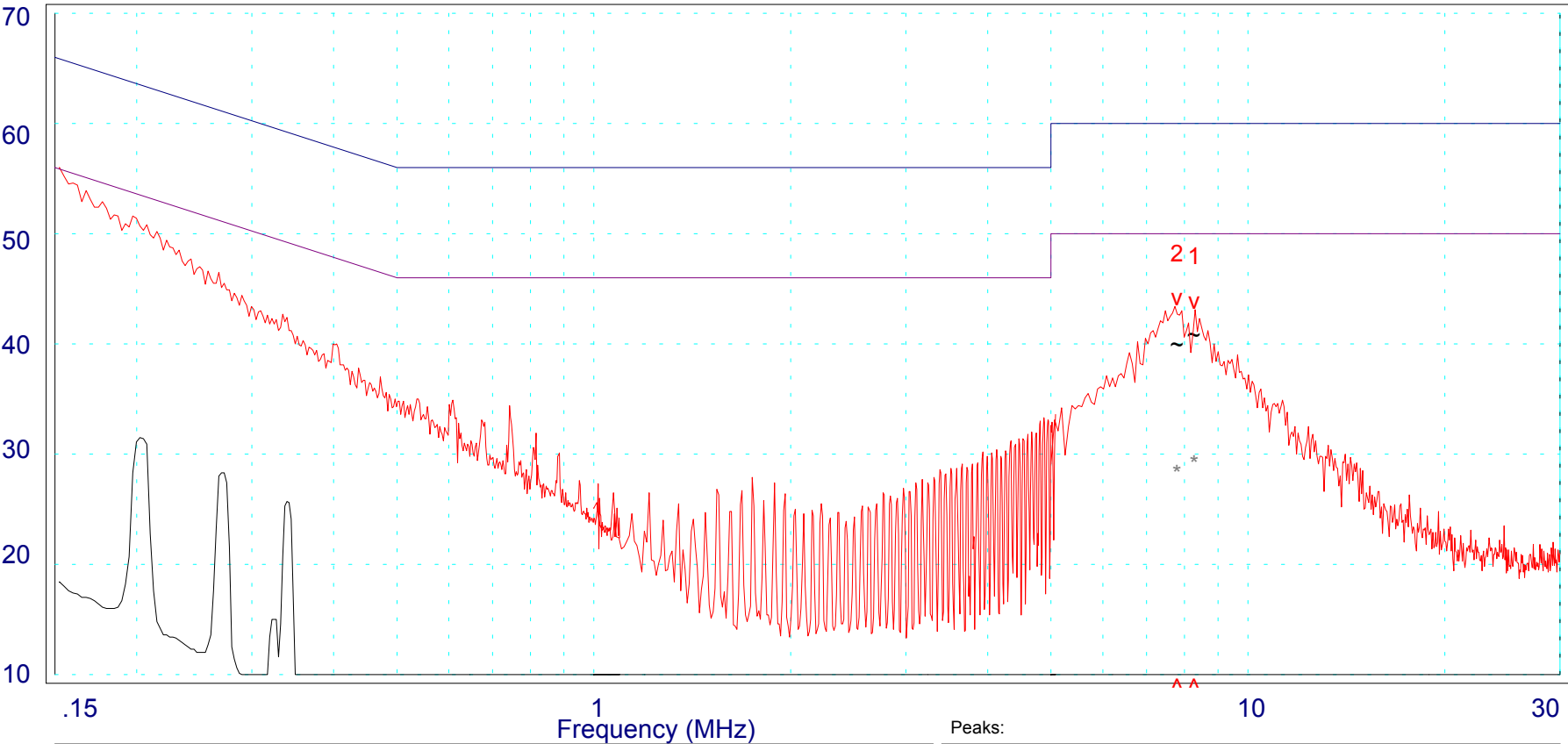


EMC Technologies Pty. Ltd. - Global Product Certification

Conducted Emissions (dBuV)
— AV Trace

Job No:M040733 r:\PCF\M040733F_1.PCF
Test Date: 22-07-04

GRAPH No. 1



Fujitsu Australia Ltd
Soriel LifeBook T Series
60Watts Adaptor
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) — Active Line

Ver 5.5 Build 93
conducted lab 1, L-22 LISN
t:L0220405 c1:C1610105 c2:C1600105 p:NONE a:L0170105
Site ID: Room#1,57 Assembly Drv. Tullamarine, VIC
Test Officer:Ann Stevens

Melbourne- 57 Assembly Drv Tullamarine, 3043, Vic, Australia Ph+(613) 9335 3333 Fax+(613) 9338 9260
Sydney---- 16,6 Gladstone Rd Castle Hill, 2154, NSW, Australia Ph+(612) 9899 4599 Fax+(612) 9899 4019

Peaks:

No	Freq (MHz)	Peak (dBuV)	Qp Val	FCC_BQPN (dBuV)	dL1 (dB)	Av Val (dBuV)	FCC_BAVN (dBuV)	dL2 (dB)
1	8.274	43.1	40.0	60.0	-20.0	28.3	50.0	-21.7
2	7.789	43.4	39.1	60.0	-20.9	27.4	50.0	-22.6

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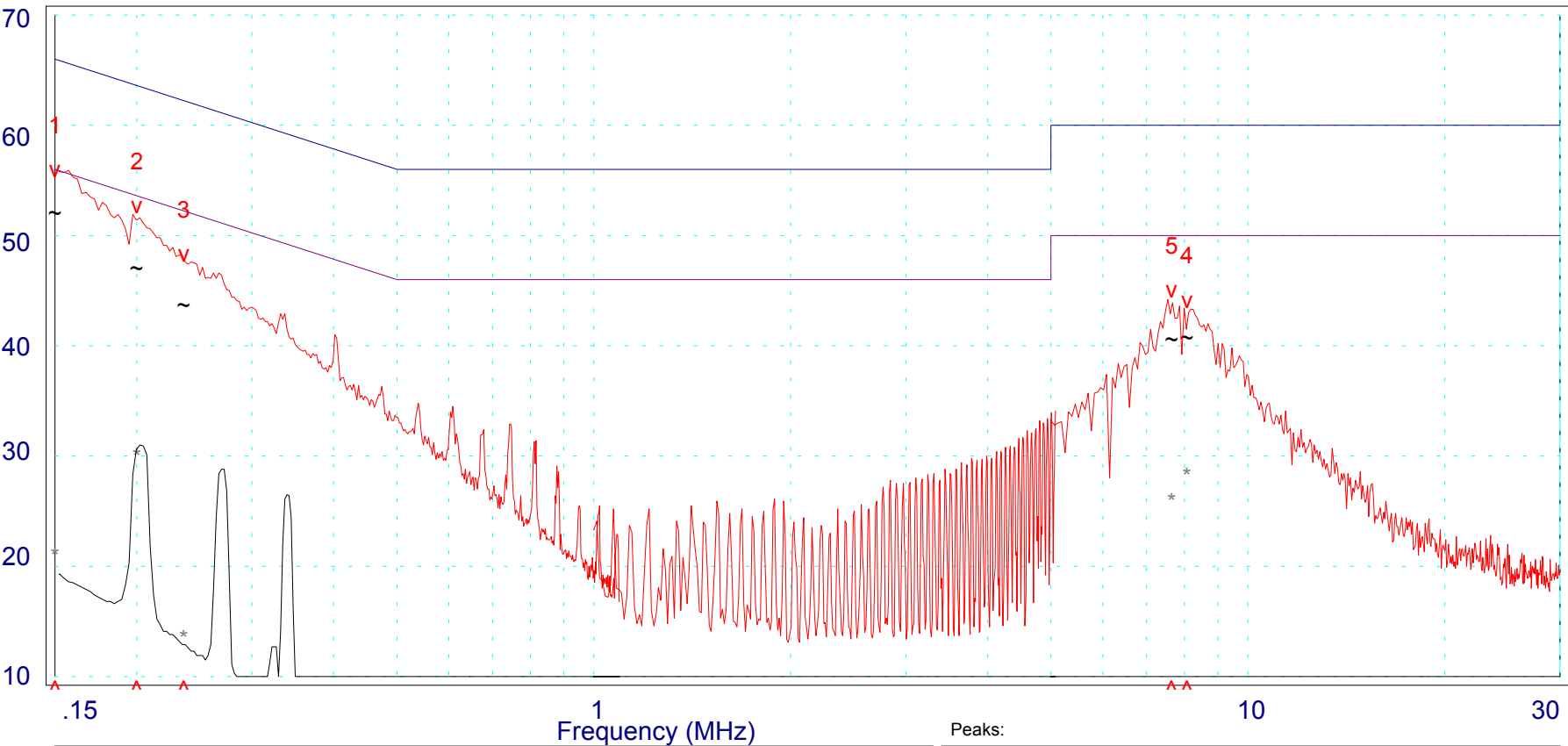
Conducted Emissions (dBuV)
AV Trace

Job No:M040733

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Test Date: 22-07-04

GRAPH No. 2



Fujitsu Australia Ltd
Soriel LifeBook T Series
60Watts Adaptor
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 93
conducted lab 1, L-22 LISN
t:L0220405 c1:C1610105 c2:C1600105 p:NONE a:L0170105
Site ID: Room#1,57 Assembly Drv. Tullamarine, VIC
Test Officer:Ann Stevens

Source:
M040733c 11 12 13

Melbourne- 57 Assembly Drv Tullamarine, 3043, Vic, Australia Ph+(613) 9335 3333 Fax+(613) 9338 9260
Sydney---- 16,6 Gladstone Rd Castle Hill, 2154, NSW, Australia Ph+(612) 9899 4599 Fax+(612) 9899 4019

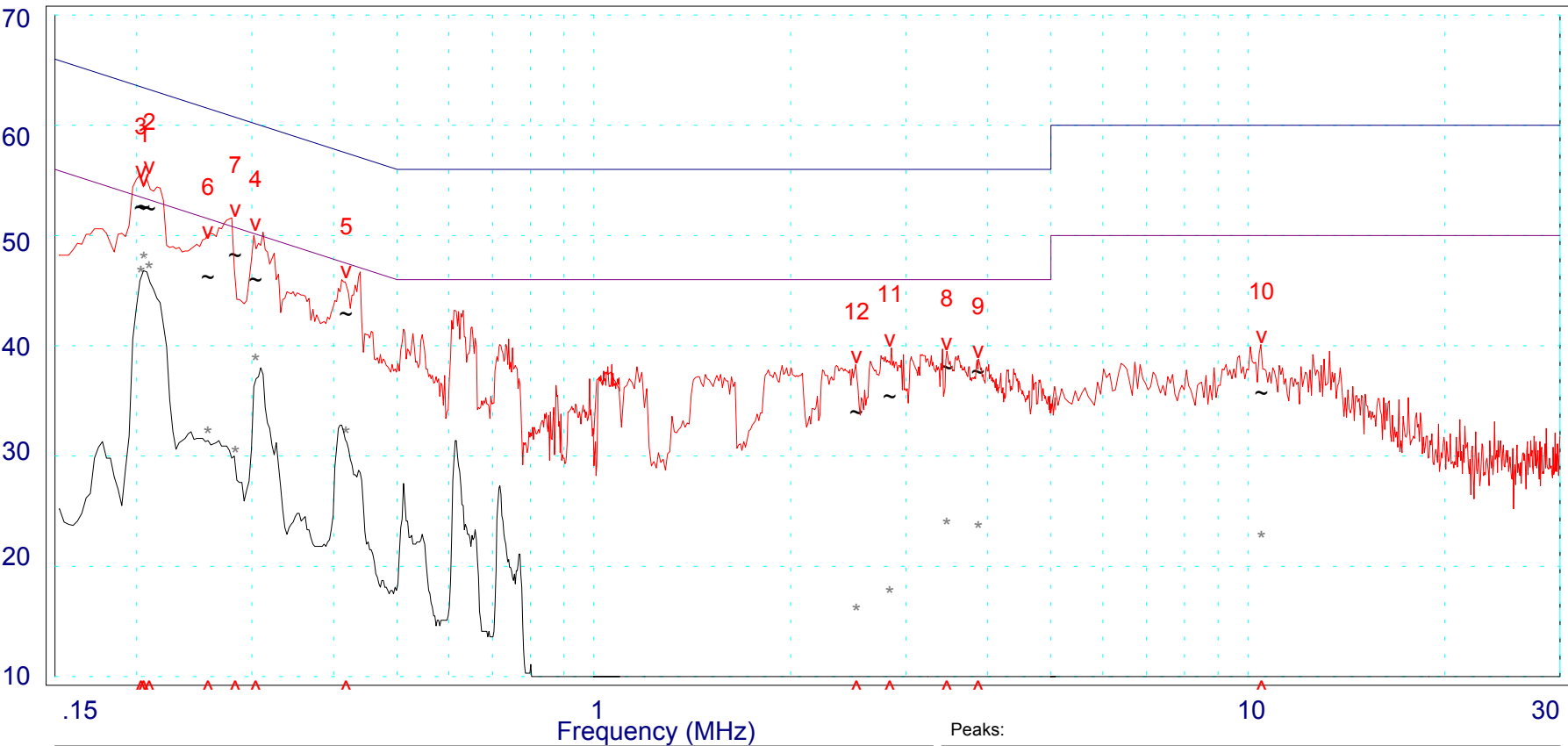
Peaks:								
No	Freq (MHz)	Peak (dBuV)	Qp Val	FCC_BQPN (dBuV)	dL1 (dB)	Av Val (dBuV)	FCC_BAVN (dBuV)	dL2 (dB)
1	0.150	55.2	51.2	66.0	-14.8	20.1	56.0	-35.9
2	0.200	51.9	46.2	63.6	-17.5	29.1	53.6	-24.5
3	0.236	47.5	42.8	62.2	-19.4	12.6	52.2	-39.6
4	8.068	43.4	39.9	60.0	-20.1	27.3	50.0	-22.7
5	7.644	44.3	39.8	60.0	-20.2	25.0	50.0	-25.0

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Conducted Emissions (dBuV)
AV Trace

Job No:M040733 r:\PCF\M040733F_3.PCF
Test Date: 22-07-04

GRAPH No. 3



Fujitsu Australia Ltd
Soriel LifeBook T Series
80Watts Adaptor
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 93
conducted lab 1, L-22 LISN
t:L0220405 c1:C1610105 c2:C1600105 p:NONE a:L0170105
Site ID: Room#1,57 Assembly Drv. Tullamarine, VIC
Test Officer:Ann Stevens

Source:
M040733c 29 30 31

Melbourne- 57 Assembly Drv Tullamarine, 3043, Vic, Australia Ph+(613) 9335 3333 Fax+(613) 9338 9260
Sydney---- 16,6 Gladstone Rd Castle Hill, 2154, NSW, Australia Ph+(612) 9899 4599 Fax+(612) 9899 4019

Peaks:								
No	Freq (MHz)	Peak (dBuV)	Qp Val (dBuV)	FCC_BQPN dL1 (dB)	Av Val (dBuV)	FCC_BAVN dL2 (dBuV)	dL2 (dB)	
1	0.205	54.4	51.8	63.4	-11.6	46.9	53.4	-6.5
2	0.209	55.5	51.6	63.2	-11.6	46.0	53.2	-7.2
3	0.203	55.1	51.7	63.5	-11.8	45.6	53.5	-7.9
4	0.304	50.3	45.1	60.1	-15.0	37.7	50.1	-12.4
5	0.418	46.0	42.0	57.5	-15.4	31.1	47.5	-16.4
6	0.257	49.6	45.4	61.5	-16.1	31.1	51.5	-20.4
7	0.283	51.6	47.4	60.7	-13.3	29.3	50.7	-21.4
8	3.464	39.5	37.2	56.0	-18.8	22.8	46.0	-23.2
9	3.870	38.8	36.8	56.0	-19.2	22.5	46.0	-23.5
10	10.49	40.1	34.9	60.0	-25.1	21.6	50.0	-28.4
11	2.835	39.9	34.6	56.0	-21.4	16.6	46.0	-29.4
12	2.521	38.3	33.2	56.0	-22.9	15.0	46.0	-31.0

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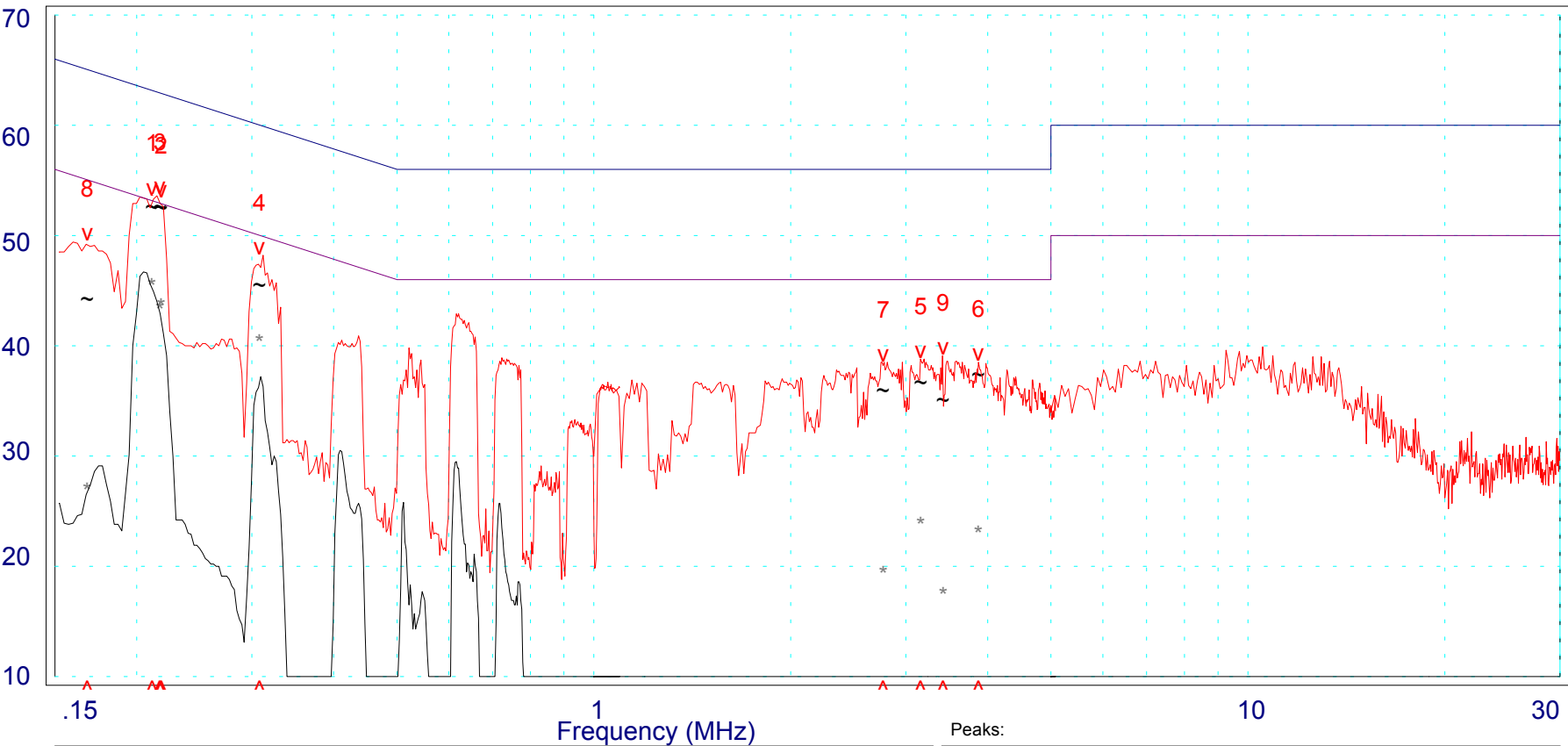
Conducted Emissions (dBuV)
AV Trace

Job No:M040733

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Test Date: 22-07-04

GRAPH No. 4



Fujitsu Australia Ltd
Soriel LifeBook T Series
80Watts Adaptor
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) Legend:
Neutral Line

Ver 5.5 Build 93
conducted lab 1, L-22 LISN
t:L0220405 c1:C1610105 c2:C1600105 p:NONE a:L0170105
Site ID: Room#1,57 Assembly Drv. Tullamarine, VIC
Test Officer:Ann Stevens

Melbourne- 57 Assembly Drv Tullamarine, 3043, Vic, Australia Ph+(613) 9335 3333 Fax+(613) 9338 9260
Sydney---- 16,6 Gladstone Rd Castle Hill, 2154, NSW, Australia Ph+(612) 9899 4599 Fax+(612) 9899 4019

Peaks:

No	Freq (MHz)	Peak (dBuV)	Qp Val (dBuV)	FCC_BQPN dL1 (dB)	Av Val (dBuV)	FCC_BAVN dL2 (dB)
1	0.211	53.5	51.8	63.2	-11.4	44.5
2	0.218	53.3	51.7	62.9	-11.2	42.7
3	0.217	53.6	51.7	62.9	-11.2	42.4
4	0.308	48.2	44.6	60.0	-15.4	39.4
5	3.159	38.8	35.9	56.0	-20.1	22.9
6	3.871	38.5	36.5	56.0	-19.5	22.1
7	2.769	38.5	35.1	56.0	-20.9	18.4
8	0.168	49.5	43.4	65.1	-21.6	26.0
9	3.419	39.1	34.2	56.0	-21.8	16.5