Attachment 3: TEST REPORT FG05_042EAL_EMI_B6110D_ZEST (PART 2)



RADIATED EMISSION MEASUREMENT (30MHz~1000MHz) — Quasi-Peak Mode —

Type: B6110D EUT Name: Parsonal computer S/N: Pre-production sample Limit: CISPR22 Class B; Measurement distance is 10 m Test date: 2005/04/23 Temp: 23 °C R/H: 35 % Antenna: SME Bi-log VULB9160 S/N:3118 Receiver: HP 85422E S/N:3746A00242 Test site: 2nd semianchoic chamber Assisted software: EMI measurement software of Version 1.3 Meter Corr Noise

		meter		NUISE		
Freq.	Pol.	Reading	Factor	Level	Limit	Margin
(MHz)		(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
30. 72	Vert	11.1	12.6	23.7	30. 0	6, 3
33. 34	Vert	12.0	12.8	24.8	30. 0	5.2
41.39	Vert	9.3	13.2	22.5	30. 0	7.5
96.00	Vert	8.4	10.8	19.2	30.0	10, 8
179.34	Horiz	5.0	14.8	19.8	30. 0	10. 2
221.18	Horiz	9.0	13.8	22.8	30. 0	7.2
229. 37	Horiz	7.6	14.6	22.2	30. 0	7, 8
250.00	Horiz	12.5	15.8	28.3	37.0	8. 7
250.00	Vert	17.8	15.8	33.6	37.0	3.4
260. 54	Vert	10.1	15.9	26.0	37.0	11. 0
294.90	Vert	8.4	17.6	26.0	37.0	11. 0
300.01	Vert	11.8	17.7	29.5	37.0	7.5
600.00	Horiz	1.6	26. 1	27.7	37.0	9, 3
600.00	Vert	6.9	26. 1	33.0	37.0	4.0
656.29	Vert	2.6	26, 5	29.1	37.0	7.9
657.94	Horiz	5.3	26.5	31.8	37.0	5, 2
800.04	Horiz	0.5	29.8	30. 3	37.0	6.7
943.61	Vert	1.3	32. 3	33.6	37.0	3.4

The emissions above 943.61 MHz were below - 20 dB from limits.

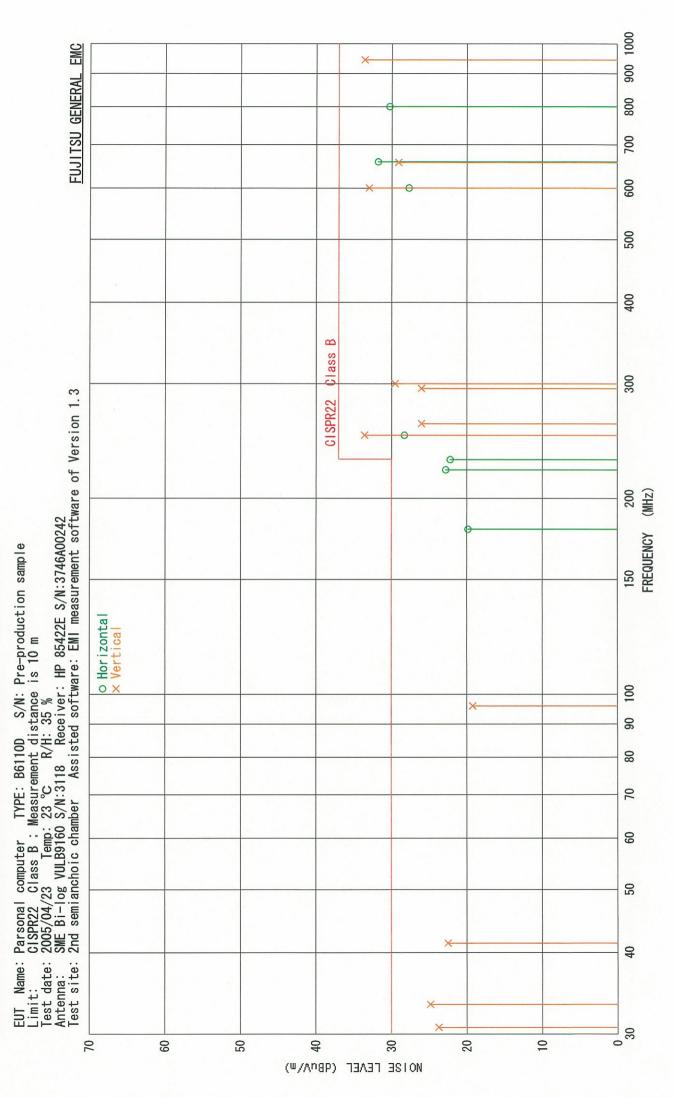
------_____ * Corrected reading = meter reading + corr.factor(= antenna factor + cable loss - preamp gain)
* The limit of CISPR 22 is applied for FCC Part-15.

* Measurement uncertainty: \pm 3.3 dB (K = 2, 95 %)

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RADIATED EMISSION MEASUREMENT -- Quasi-Peak Mode ---

No: #05-042-RE (2/2)



RADIATED EMISSION MEASUREMENT (1GHz~10GHz)

EUT Name: Personal Computer Type: B6110D S/N: Pre-production sample Limit : FCC Part-15 Class B ; Measurement distance is 3 m Test date: 2005/4/24 Temp: 23 °C R/H: 35 % Antenna : Schwarzbeck BBHA9120D S/N:136 Receiver : Spectrum analyzer : Advantest R3371A S/N:75060396 Test site: 2nd semi-anechoic chamber

		Meter	Corr.	Noise	Limi	t	
Freq.	Pol.	Reading	Factor	Level	Peak	AV	Margin
(GHz)		(dBuV)	(dB)	(dBuV/m)	(dBu	V/m)	(dB)
1.0000	Vert	51.0	-7.2	43,9	74,0	54.0	10.2
1.0650	Vert	46.6	-6.8	39.7	74.0	54.0	14.3
1.1990	Vert	37.4	-6.2	31.2	74.0	54.0	22.8
1.3560	Vert	33.7	-5.5	28.2	74.0	54.0	25.8
1.5600	Horiz	38.0	-4.1	33.9	74.0	54.0	20.1
1.6900	Vert	37.0	-2.7	34.3	74.0	54.0	19.7
1.8002	Vert	34.7	-1.6	33.1	74.0	54.0	20.9
1.9530	Vert	33.0	0.1	33.1	74.0	54.0	20.9

The emissions above 1.9530 GHz were below - 10 dB from limits.

* Corrected reading: = meter reading + corr. factor (= antenna factor + cable loss - preamp gain)

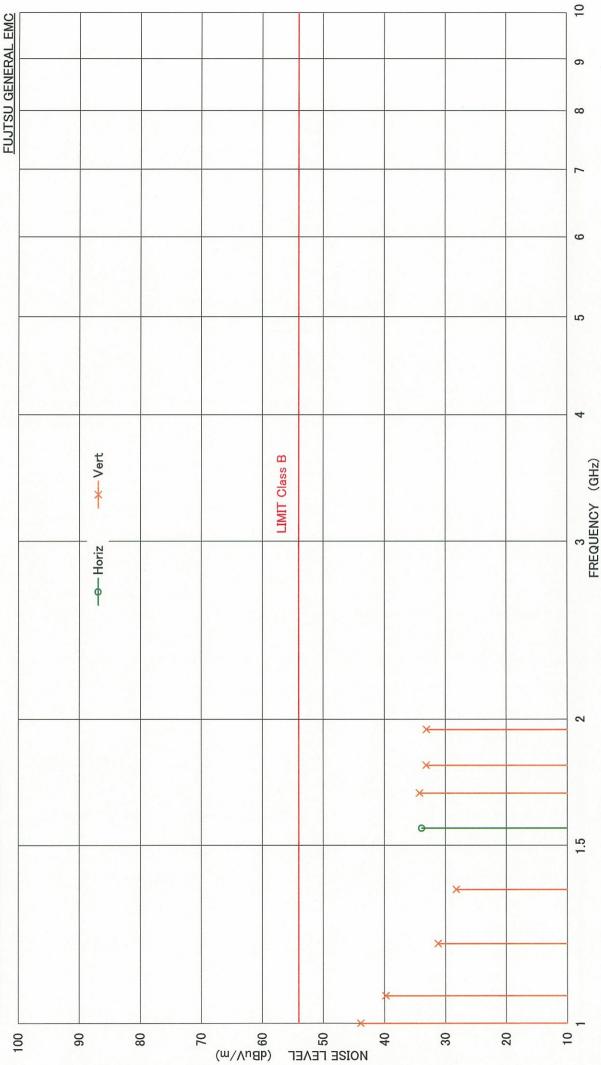
Tested by

— FUJITSU GENERAL EMC —

RADIATED EMISSION MEASUREMENT (1GHz - 10GHz)

No: #05-042E-GH2 (2/2)

EUT Name : Personal computer TYPE : B6110D S/N : Pre-production sample LIMIT : FCC Part-15 class B ; Measurement distance is 3m Test date : 2005/04/24 Temp : 23 °C R/H : 35 % Antenna : Schwarzbeck BBHA9120D S/N:136 Receiver : Advantest R3371A S/N:75060396 est site : 2nd semianechoic chamber



POWER LINE CONDUCTED EMISSION MEASUREMENT - Quasi-Peak Mode -

EUT Name: Personal computer Type: B6110D S/N: Pre-production sample Limit: CISPR22 Class B Test voltage: 100 VAC, Single phase Test date: 2005/04/24 Temp: 23 °C R/H: 35 % AMN: Kyoritsu KNW-407 S/N:8-823-18 Receiver: HP 85422E S/N:3746A00242 Test site: 2nd semianchoic chamber Application of Version 1.2 Assisted software: EMI measurement software of Version 1.3 Mator Corr Noisa

		Meter	Corr.	Noise		
Freq.	Line	Reading	Factor	Level	Limit	Margin
(MHz)		(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)
0. 1944	# 1	38. 9	6.8	45.7	53.9	8. 2
0. 1944	#2	40.8	6.8	47.6	53.9	6. 3
0. 2966	# 2	32.8	6.5	39.3	50. 3	11. 0
0. 2969	# 1	29.9	6.5	36.4	50.3	13. 9
0. 3943	#2	28.0	6.3	34. 3	48.0	13. 7
0. 4883	# 2	26. 7	6.0	32. 7	46. 2	13. 5
0. 6018	# 2	25. 0	6.0	31.0	46. 0	15. 0
0.6995	# 2	25. 6	6. 0	31.6	46.0	14. 4
0.8190	# 2	23, 5	6. 1	29.6	46.0	16. 4
0.8916	# 2	23. 2	6. 1	29.3	46. 0	16. 7
0. 9864	# 2	23. 7	6. 1	29.8	46.0	16. 2
1.0906	# 2	22.4	6. 1	28.5	46.0	17. 5
1.1901	# 2	22. 2	6. 1	28. 3	46. 0	17. 7
1.3352	# 2	22. 7	6. 1	28.8	46.0	17. 2
2.3319	# 2	22. 7	6. 1	28.8	46.0	17. 2
19. 7082	# 2	27.0	7.0	34. 0	50. 0	16. 0
23.6730	# 1	30. 7	7.2	37.9	50. 0	12. 1
23.6730	# 2	30. 2	7.2	37.4	50.0	12. 6
29.5785	# 1	29.8	7.7	37.5	50.0	12. 5

The emissions above 29.5785 MHz were below - 20 dB from limits.

* Corrected reading = meter reading + corr.factor(= AMN factor + 6-dB pad + cable loss) * The limit of CISPR 22 is applied for FCC Part-15. * Measurement uncertainty: ± 2.5 dB (K = 2, 95 %)

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POWER LINE CONDUCTED EMISSION MEASUREMENT -- Quasi-Peak Mode ---

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POWER LINE CONDUCTED EMISSION MEASUREMENT -- Quasi-Peak Mode ---

Type: B6110D EUT Name: Personal computer S/N: Pre-production sample Limit: CISPR22 Class B Test voltage: 120 VAC, Single phase Test date: 2005/04/24 Temp: 23 °C R/H: 35 % AMN: Kyoritsu KNW-407 S/N:8-823-18 Receiver: HP 85422E S/N:3746A00242 Test site: 2nd semianchoic chamber Assisted software: EMI measurement software of Version 1.3 Matar Corr Noise

		meter	Gorr.	Noise		
Freq.	Line	Reading	Factor	Level	Limit	Margin
(MHz)		(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)
0.1890	# 1	35.9	6.8	42.7	54. 1	11.4
0.1890	# 2	38.0	6.8	44.8	54. 1	9.3
0.2700	# 1	30. 3	6.6	36.9	51.1	14. 2
0.2700	# 2	31.3	6.6	37.9	51.1	13. 2
0. 2771	#2	32.3	6.6	38.9	50.9	12. 0
0. 4127	# 2	26.0	6. 2	32.2	47.6	15.4
0. 5328	# 2	25.0	6.0	31.0	46.0	15.0
0. 7304	# 2	28.0	6.0	34.0	46.0	12. 0
0, 8319	# 2	24. 1	6. 1	30. 2	46.0	15.8
2. 3850	# 2	25.1	6. 1	31.2	46.0	14. 8
2.9108	# 2	26.0	6. 2	32. 2	46.0	13.8
3.0199	# 2	25.7	6. 2	31.9	46.0	14. 1
3.6380	# 2	26. 7	6. 2	32.9	46.0	13.1
3. 7414	# 2	26.1	6.2	32. 3	46.0	13. 7
4. 3701	# 2	24. 8	6.3	31.1	46.0	14. 9
23.6733	# 1	30.8	7.2	38.0	50.0	12.0
29. 5783	# 1	29.7	7.7	37.4	50.0	12.6

The emissions above 29.5783 MHz were below - 20 dB from limits.

_____ * Corrected reading = meter reading + corr.factor(= AMN factor + 6-dB pad + cable loss)
* The limit of CISPR 22 is applied for FCC Part-15.
* Measurement uncertainty: ± 2.5 dB (K = 2, 95 %)

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POWER LINE CONDUCTED EMISSION MEASUREMENT -- Quasi-Peak Mode --

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POWER LINE CONDUCTED EMISSION MEASUREMENT -- Quasi-Peak Mode --

Type: B6110D EUT Name: Personal computer S/N: Pre-production sample Limit: CISPR22 Class B Test voltage: 230 VAC, Single phase Test date: 2005/04/24 Temp: 23 °C R/H: 35 % AMN: Kyoritsu KNW-407 S/N:8-823-18 Receiver: HP 85422E S/N:3746A00242 Test site: 2nd semianchoic chamber Assisted software: EMI measurement software of Version 1.3 Meter Corr Noise

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Freq.	Line	Reading	Factor	Level	Limit	Margin
(MHz)		(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)
0. 2252	# 2	33.8	6.7	40. 5	52.6	12. 1
0. 3013	# 2	30.0	6.5	36.5	50.2	13. 7
0. 3055	# 1	27.3	6.5	33.8	50. 1	16. 3
0. 4537	# 2	26.4	6, 1	32. 5	46.8	14. 3
0. 5313	# 2	24. 5	6.0	30. 5	46.0	15, 5
0.6093	# 2	25. 5	6.0	31.5	46.0	14. 5
0. 6822	# 2	26.9	6.0	32.9	46.0	13. 1
0. 7578	# 2	25. 0	6. 1	31.1	46.0	14. 9
0. 8285	# 2	23.8	6. 1	29.9	46.0	16. 1
2. 1997	#2	25. 1	6.1	31.2	46.0	14.8
3.0305	# 2	25.6	6. 2	31.8	46.0	14. 2
3. 1104	# 2	25.3	6.2	31.5	46.0	14. 5
3. 6368	# 2	25.9	6.2	32.1	46.0	13. 9
3. 7182	# 2	26.3	6.2	32. 5	46.0	13.5
3. 7912	# 2	26.6	6. 2	32.8	46.0	13. 2
4. 3995	# 2	25.8	6.3	32.1	46.0	13. 9
4. 5492	# 2	25. 7	6.3	32. 0	46.0	14.0
23.6732	# 2	30. 7	7.2	37.9	50.0	12. 1

The emissions above 23.6732 MHz were below - 20 dB from limits. _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

* Corrected reading = meter reading + corr.factor(= AMN factor + 6-dB pad + cable loss) * The limit of CISPR 22 is applied for FCC Part-15. * Measurement uncertainty: \pm 2.5 dB (K = 2, 95 %)

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FREQUENCY (MHz)