Attachment 3: TEST REPORT FG05_050EAL (PART 4)



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

EUT Name: Personal computer Type: ST5031 S/N: Pre-production sample Limit: CISPR22 Class B Test voltage: 100 VAC, Single phase Test date: 2005/05/19 Temp: 23 °C R/H: 45 % 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		
Freq.	Line	Reading	Factor	Level	Limit	Margin
(MHz)		(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)
0.1860	# 1	42.4	6.8	49.2	54.2	5.0
0.1860	# 2	41.6	6.8	48.4	54.2	5.8
0.2802	# 2	34.1	6.6	40.7	50.8	10.1
0. 2954	# 1	35.7	6.5	42.2	50.4	8.2
0.5689	# 2	29.2	6.0	35.2	46.0	10.8
0.6491	# 1	29.6	6.0	35.6	46.0	10.4
2.0190	# 2	17.7	6.1	23.8	46.0	22.2
2.8770	# 1	19.6	6.2	25.8	46.0	20. 2
4. 0348	# 2	19.5	6.2	25.7	46.0	20.3
11. 1871	# 2	25 . 9	6.5	32.4	50.0	17.6
11. 4546	# 1	29.6	6.6	36.2	50.0	13.8
15. 5811	# 2	26.6	6.7	33.3	50.0	16.7
15.6546	# 1	29.8	6.7	36.5	50.0	13.5
18. 2421	# 2	22.1	6.9	29.0	50.0	21.0
18. 3056	# 1	19.1	6.9	26.0	50.0	24.0
23.1290	# 1	23.1	7.2	30. 3	50.0	19.7
23.1290	# 2	24. 5	7.2	31.7	50.0	18.3
29. 5816	# 2	20. 4	7.7	28.1	50.0	21.9

The emissions above 29.5816 MHz were below - 20 dB from limits.

* Corrected reading = meter reading + corr.factor(= AMN factor + 6-dB pad + cable loss)

* Measurement uncertainty: \pm 2.5 dB (K = 2, 95 %)

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30 EMC No: #05-050E-CE1 (2 / 2) FUJITSU GENERAL × 20 Θ 15 Θ ¥ 10 6 8 9 2 --- Quasi-Peak Mode ---EUT Name: Personal computer TYPE: ST5031 S/N: Pre-production sample Limit: CISPR22 Class B Test voltage: 100 VAC, Single phase Test date: 2005/05/19 Temp: 23 °C R/H: 45 % 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 AVG. 4 lass B 0 ŝ θ CI SPR22 POWER LINE CONDUCTED EMISSION MEASUREMENT 5 o Power Line #1 × Power Line #2 1.5 ÷ 6. °. Г. Θ 9. × <u>ء</u> 4 er. Θ . 2. Œ . 15 10 60 80 70 60 50 6 30 20

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FREQUENCY

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

EUT Name:	Personal computer Type: ST5031					
	Pre-production sample					
	CISPR22 Class B Test voltage: 120 VAC, Single phase					
Test date:	2005/05/19 Temp: 23 °C R/H: 45 %					
AMN:	Kyoritsu KNW-407 S/N:8-823-18 Receiver: HP 85422E S/N:3746A00242					
	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)
0.1971	# 1	42.2	6.8	49.0	53.7	4. 7
0.1971	# 2	42.3	6.8	49.1	53.7	4.6
0.2693		34.7	6.6	41.3	51.1	9.8
0.2934	# 2	34.6	6.5	41.1	50.4	9.3
0.5000	# 1	30.3	6.0	36.3	46.0	9.7
0. 5985	# 2	30.5	6.0	36.5	46.0	9.5
			6.1	24. 1	46.0	21.9
	# 2	20.1	6.2	26.3	46.0	19.7
			6.3	24. 4	46.0	21.6
			6.5	29.3	50.0	20.7
						20.2
						18. 2
						17.0
						17.6
						23.0
						23.1
						19.9
						19.0
29. 5820	# 2	20.9	7.7	28.6	50.0	21.4
	(MHz) 0. 1971 0. 1971 0. 2693 0. 2934 0. 5000	(MHz) 0. 1971 # 1 0. 1971 # 2 0. 2693 # 1 0. 2934 # 2 0. 5000 # 1 0. 5985 # 2 2. 0567 # 1 4. 1530 # 2 4. 2581 # 1 9. 9278 # 2 9. 9970 # 1 11. 2922 # 2 12. 0494 # 1 15. 5059 # 2 18. 3040 # 1 18. 3651 # 2 23. 1285 # 1 23. 1285 # 2	Freq.LineReading (dBuV)0. 1971# 142. 20. 1971# 242. 30. 2693# 134. 70. 2934# 234. 60. 5000# 130. 30. 5985# 230. 52. 0567# 118. 04. 1530# 220. 14. 2581# 118. 19. 9278# 222. 89. 9970# 123. 311. 2922# 225. 212. 0494# 126. 415. 5059# 225. 718. 3040# 120. 118. 3651# 220. 023. 1285# 122. 923. 1285# 223. 8	Freq.LineReading (dBuV)Factor (dB)0. 1971# 142. 26. 80. 1971# 242. 36. 80. 1971# 242. 36. 80. 2693# 134. 76. 60. 2934# 234. 66. 50. 5000# 130. 36. 02. 0567# 118. 06. 14. 1530# 220. 16. 24. 2581# 118. 16. 39. 9278# 222. 86. 59. 9970# 123. 36. 511. 2922# 225. 76. 718. 3040# 120. 16. 918. 3651# 220. 06. 923. 1285# 122. 97. 223. 1285# 223. 87. 2	Freq.LineReading (dBuV)Factor (dB)Level (dBuV)0. 1971# 142. 26. 849. 00. 1971# 242. 36. 849. 00. 1971# 242. 36. 849. 10. 2693# 134. 76. 641. 30. 2934# 234. 66. 541. 10. 5000# 130. 36. 036. 30. 5985# 230. 56. 036. 52. 0567# 118. 06. 124. 14. 1530# 220. 16. 226. 34. 2581# 118. 16. 324. 49. 9278# 222. 86. 529. 39. 9970# 123. 36. 529. 811. 2922# 225. 76. 732. 418. 3040# 120. 16. 927. 018. 3651# 220. 06. 926. 923. 1285# 122. 97. 230. 123. 1285# 223. 87. 231. 0	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

The emissions above 29.5820 MHz were below - 20 dB from limits.

* Corrected reading = meter reading + corr.factor(= AMN factor + 6-dB pad + cable loss)

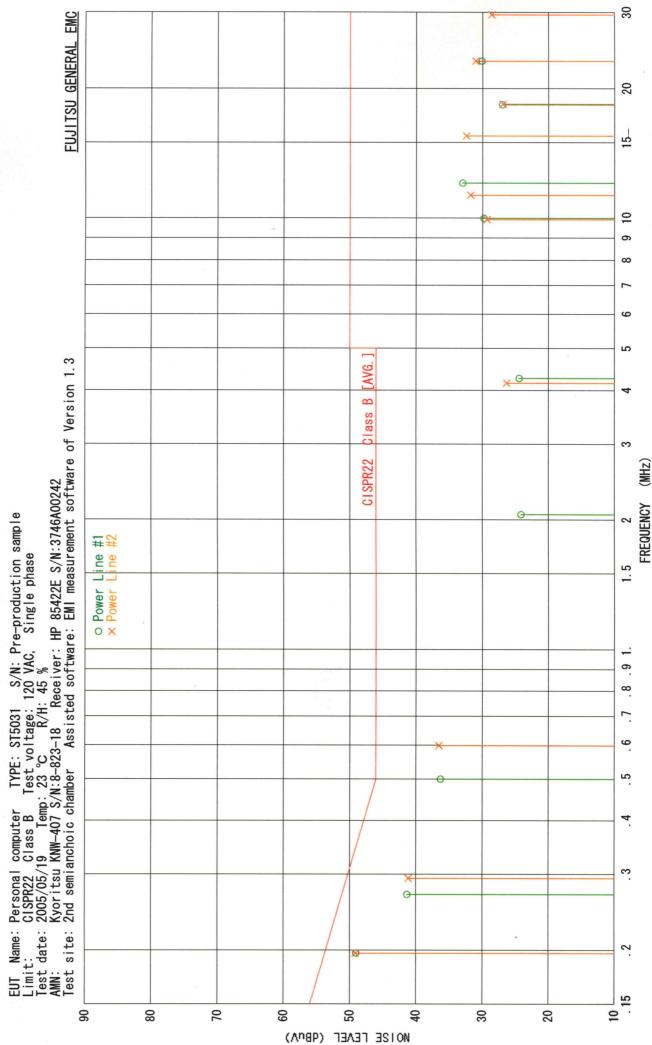
* Measurement uncertainty: \pm 2.5 dB (K = 2, 95 %)

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

No: #05-050E-CE2 (2 / 2)



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

EUT Name:	Personal computer Type: ST5031					
	Pre-production sample					
Limit:	CISPR22 Class B Test voltage: 230 VAC, Single phase					
Test date:	2005/05/19 Temp: 23 °C R/H: 45 %					
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)
0.1500	# 1	45.2	5.9	51.1	56.0	4.9
0.1500	# 2	43.1	5.9	49.0	56.0	7.0
0.2963	# 1	35.1	6.5	41.6	50.4	8.8
0.3685	# 1	32.0	6.3	38.3	48.5	10.2
0.3685	# 2	29.0	6.3	35.3	48.5	13.2
0. 5168	# 2	29.6	6.0	35.6	46.0	10.4
0.6637	# 1	28.4	6.0	34.4	46.0	11.6
0.7377	# 1	27.1	6.0	33.1	46.0	12.9
0.7377	# 2	28.6	6.0	34.6	46.0	11.4
8.7184	# 1	24.8	6.4	31.2	50.0	18.8
8.7184	# 2	24.8	6.4	31.2	50.0	18.8
10. 2732	# 1	27.4	6.5	33.9	50.0	16.1
10.9952	# 2	26.6	6.5	33.1	50.0	16.9
11. 6777	# 2	26.5	6.6	33. 1	50.0	16.9
11.8213	# 1	27.4	6.6	34.0	50.0	16.0
15.4505	# 2	20.7	6.7	27.4	50.0	22.6
23.0669	# 1	20.0	7.2	27.2	50.0	22.8
23. 1282	# 2	25.6	7.2	32.8	50.0	17.2
29. 5804	# 2	22.9	7.7	30.6	50.0	19.4

The emissions above 29.5804 MHz were below - 20 dB from limits.

* Corrected reading = meter reading + corr.factor(= AMN factor + 6-dB pad + cable loss)

* Measurement uncertainty: \pm 2.5 dB (K = 2, 95 %)

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

FUJITSU GENERAL EMC × 0x × 8 AVG.] Personal computer TYPE: ST5031 S/N: Pre-production sample CISPR22 Class B Test voltage: 230 VAC, Single phase 2005/05/19 Temp: 23 °C R/H: 45 % Kyoritsu KNW-407 S/N:8-823-18 Receiver: HP 85422E S/N:3746A00242 2nd semianchoic chamber Assisted software: EMI measurement software of Version 1.3 Class B CI SPR22 #¥ o Power Line × Power Line XO 0 0 EUT Name: est date: est site: . Limit: AMN: . 15 50 6 8 10 70 09

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FREQUENCY 2

No: #05-050E-CE3 (2 / 2)