## Attachment 3: TEST REPORT FG05\_050EAL (PART 3)



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## RADIATED EMISSION MEASUREMENT (1GHz~6GHz)

EUTName:Personal ComputerType:ST5031S/N:Pre-production sampleLimit:FCC Part-15 Class B:Measurement distance is 3 mTest date:2005/5/19Temp:23 °CR/H:45 %Antenna:Schwarzbeck BBHA9120D S/N:136Receiver:Spectrum analyzer:Advantest R3371A S/N:75060396Test site:2nd semi-anechoic chamber

		Meter	Corr.	Noise	Limit		
Freq.	Pol.	Reading	Factor	Level	Peak	AV	Margin
(GHz)		(dBuV)	(dB)	(dBuV/m)	(dBuV/m)		(dB)
1.0240	Horiz	42.8	-7.0	35.7	74.0	54.0	18.3
1.0440	Horiz	40.1	-6.9	33.1	74.0	54.0	20.9
1.0440	Vert	38.3	-6.9	31.4	74.0	54.0	22.6
1.1890	Vert	38.4	-6.3	32.2	74.0	54.0	21.8
1.1910	Horiz	38.6	-6.2	32.3	74.0	54.0	21.7
1.3330	Horiz	38.7	-5.6	33.2	74.0	54.0	20.8
1.5510	Horiz	42.4	-4.2	38.2	74.0	54.0	15.8
1.5510	Vert	37.1	-4.2	32.9	74.0	54.0	21.1
1.5890	Horiz	39.2	-3.8	35.4	74.0	54.0	18.6
1.6810	Horiz	39.5	-2.8	36.7	74.0	54.0	17.3
1.7100	Vert	35.6	-2.5	33.1	74.0	54.0	20.9
1.8540	Vert	35.8	-1.0	34.8	74.0	54.0	19.2
2.0700	Horiz	34.7	0.2	34.8	74.0	54.0	19.2
2.7660	Vert	32.7	-1.9	30.8	74.0	54.0	23.2
2.7830	Horiz	32.0	-1.9	30.1	74.0	54.0	23.9
2.6570	Vert	31.9	-2.1	29.8	74.0	54.0	24.2
3.1290	Vert	32.7	-1.7	31.0	74.0	54.0	23.0
3.2490	Horiz	33.1	-1.8	31.3	74.0	54.0	22.7
3.2570	Vert	33.8	-1.9	32.0	74.0	54.0	22.0

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

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

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Tested by

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## --- FUJITSU GENERAL EMC ---

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

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(W/Angp) TEAET (484A/W)

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EMC FUJITSU GENERAL Θ В ass Xe Personal computer TYPE: ST5031 S/N: Pre-production sample CISPR22 Class B : Measurement distance is 10 m 2005/05/19 Temp: 23 °C R/H: 45 % SME Bi-log VULB9160 S/N:3118 Receiver: HP 85422E S/N:3746A00242 2nd semianchoic chamber Assisted software: EMI measurement software of Version 1.3 CI SPR22 O o Horizontal × Vertical Limit: Test date: Antenna: Test site: 2 EUT Name:

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

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700 1 600

500

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200 (MHz)

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FREQUENCY 150

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## RADIATED EMISSION MEASUREMENT (1GHz~6GHz) ---Peak Mode---

EUT Name: Personal computer Type: ST5030 S/N: Pre-production sample : FCC Part-15 Class B ; Measurement distance is 3 m Limit Test date: 2005/05/19 Temp: 23 °C R/H: 45 % Antenna : Schwarzbeck BBHA9120D S/N:136 Receiver : Spectrum analyzer : Advantest R3371A S/N:75060396 Test site: 2nd semi-anechoic chamber

		Meter	Corr.	Noise		
Freq.	Pol.	Reading	Factor	Level	Limit	Margin
(GHz)		(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
1.0240	Horiz	42.8	-7.0	35.7	54.0	18.3
1.0440	Horiz	40.1	-6.9	33.1	54.0	20.9
1.0440	Vert	38.3	-6.9	31.4	54.0	22.6
1.1890	Vert	38.4	-6.3	32.2	54.0	21.8
1.1910	Horiz	38.6	-6.2	32.3	54.0	21.7
1.3330	Horiz	38.7	-5.6	33.2	54.0	20.8
1.5510	Horiz	42.4	-4.2	38.2	54.0	15.8
1.5510	Vert	37.1	-4.2	32.9	54.0	21.1
1.5890	Horiz	39.2	-3.8	35.4	54.0	18.6
1.6810	Horiz	39.5	-2.8	36.7	54.0	17.3
1.7100	Vert	35.6	-2.5	33.1	54.0	20.9
1.8540	Vert	35.8	-1.0	34.8	54.0	19.2
2.0700	Horiz	34.7	0.2	34.8	54.0	19.2
2.7660	Vert	32.7	-1.9	30.8	54.0	23.2
2.7830	Horiz	32.0	-1.9	30.1	54.0	23.9
2.6570	Vert	31.9	-2.1	29.8	54.0	24.2
3.1290	Vert	32.7	-1.7	31.0	54.0	23.0
3.2490	Horiz	33.1	-1.8	31.3	54.0	22.7
3.2570	Vert	33.8	-1.9	32.0	54.0	22.0

The emissions above 4.7700 GHz were below - 10 dB from limits.

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

jawa

Tested by

---- FUJITSU GENERAL EMC ---

(1-6GHz)
MEASUREMENT
EMISSION
RADIA TED

Personal computer

EUT Name: LIMIT:

FCC Part-15 Class B ; Measur 2005/05/19 Temp: 23 °C Schwarzbeck BBHA9120D S/N:136 2nd semianechoic chamber

> Test date: Antenna: Test site:

Type: ST5031 S/N: Pre-production sample ; Measurement distance is 3 m ; 23 °C R/H: 45 % S/N:136 Spectrum analyzer: Advantest R3371A S/N:75060396

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

FUJTSU GENERAL EMC

9 ഹ I 4 c FCC Part-15 Class B FREQUENCY (GHz) 2 1.5 G  $\Theta$ 100 60 g (∉BuV√m) ୟ NOIZE FEAEF 30 20 10 80 70 40