

EMC TEST REPORT

Project No.	LBE072753	Revision No.	None
Applicant	Name of organization	Samsung Electronics Co., Ltd.	
	Address	416 Maetan 3-Dong, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do 443-742 Korea	
	Date of application	2007.08.20	
EUT Equipment Under Test	Type of device	Class B personal computers and peripherals	
	Equipment authorization	<input type="checkbox"/> Declaration of Conformity <input checked="" type="checkbox"/> Certification <input type="checkbox"/> Verification	
	FCC ID	<input checked="" type="checkbox"/> A3LSF565PR	
	Kind of product	PLAIN PAPER FAX	
	Model No.	SF-565PR	
		Variant Model No.	SF-560R
Manufacturer	Samsung Electronics(Shandong)Digital Printing Co., Ltd. Sanxing Road, Weihai Hi-Tech IDZ, Shandong Province 264209, CHINA		
Applied Standards		FCC Part 15, Subpart B / ANSI C63.4-2003	
Issue date		2007.09.03	

Test result : Complied

The equipment under test has found to be compliant with the applied standards.
(Refer to the attached test result for more detail.)

Tested by : Sang Kyu, Seo



Reviewed by : No Cheon, Park



This report is the test result about the sphere accredited by KOLAS which signed the Mutual Recognition Arrangement of International Laboratory Accreditation Cooperation.
The test results in this report only apply to the tested sample. This report must not be reproduced, except in full, without written permission from SEC EMC Laboratory.



SEC EMC Laboratory

416 Maetan 3-Dong, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do, 443-742 Korea
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1. Summary of test results

1.1 Emission

The EUT has been tested according to the following specifications:

Applied	Test type	Applied standard	Result	Remarks
<input checked="" type="checkbox"/>	Conducted Disturbance	FCC Part 15 Subpart B	Complied	Meets Class B Limit Minimum margin is 5.8 dB at 0.2839 MHz
<input checked="" type="checkbox"/>	Radiated Disturbance		Complied	Meets Class B Limit Minimum margin is 4.3 dB at 393.209 MHz

2. General Information

2.1 Test facility

The SEC EMC Laboratory is located on Samsung Electronics Co., Ltd. at 416 Maetan 3-Dong, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do, South Korea.

All testing are performed in Semi-anechoic chambers conforming to the site attenuation Characteristics defined by ANSI C63.4, CISPR 22, 16-1 and 16-2. and Shielded rooms.

The SEC EMC Laboratory is operated as testing laboratory in accordance with the requirements of ISO/IEC 17025:1995.



2.2 Accreditation and listing

Laboratory Qualifications		Remarks
	KOLAS(Korea Laboratory Accreditation Scheme)	Accredited : 124
	Radio Research Laboratory	Accredited : KR0004
	FCC(Federal Communications Commission)	Accredited : KR0004
	National Voluntary Laboratory Accreditation Program	Lab Code: 200623-0
	Norges Elektriske Materiellkontroll	Accredited : ELA 195
	VCCI (Voluntary Control Council for Interference by Information Technology Equipment)	C-2421,R-2224
	China Quality Certification Center	5-053, 5-054
	TUV Rhineland	H9354285
	GOST(GOSTSTANDART)	ROSTEST
	Elektrotechnicky Zkusebni Ustav	Reg. No.: 001
 Industry Canada	IC(Industry Canada)	Assigned Code: 5871

3. Test Setup configuration

3.1 Test Peripherals

The following is a listing of the EUT and peripherals utilized during the performance of EMC test:

Description	Model No.	Serial No.	Manufacturer	FCC ID
PLAIN PAPER FAX	SF-565PR	-	Samsung	A3LSF565PR
Note PC	SQ-20	L30991CX300026B		DoC
AC Adapter	AD-4212A	CNBA44XXXXXS E3831L0241	Dongguan Samsung SEM	-
USB Mouse	M-UAE96	LZK61923444	Logitech	DoC
Serial Mouse	37964	0988578	Microsoft	C3KMS1
Telephone	SP-F201	B2DG 709186	Samsung	DoC

3.2 EUT operating mode

To achieve compliance applied standard specification, the following mode(s) were made during compliance testing:

Operating Mode 1	Stand-by
Operating Mode 2	Copy
Operating Mode 3	USB Printing
Operating Mode 4	FAX TX
Operating Mode 5	FAX RX

3.3 Details of Sampling

Customer selected, single unit.



3.4 Used cable description

The EUT is configured, installed, arranged and operated in a manner consistent with typical applications. Interface cables/loads/devices are connected to at least one of each type of interface port of the EUT, and where practical, each cable shall be terminated in a device typical of actual usage. The type(s) of interconnecting cables to be used and the interface port (of the EUT) to which these were connected;

Connected cable	Length [m]	Shielded [Y/N]	Note
Power	1.8	No	-
USB	1.8	Yes	From PC to Mouse
Serial	2.0	Yes	From PC to Mouse
Tel Line	2.0	No	From PC to Telephone

3.5 EUT Description

The following features describe EUT represented by this report:

Item	Specification
Function	FAX, Copier, Printer, Scanner
POWER RATING	AC 110V~127V 4A
POWER Consumption	Sleep mode : 12W Standby : 95W Average : 300W
Display	16 * 2 LCD
Toner Cartridge Life	Initial 1K pages Running 3K pages
Memory	8MB
External Dimension	363.0*398.0*308.3(mm)
Weight	10kg (11.5kg with toner cartridge)
Printing Method	Laser
Printing Speed (SF - 565PR only)	16ppm / 17ppm (A4 / Letter)
Print resolution	600*600 DPI
interface	USB
Scanning method	CIS, Mono
Scan Resolution	200 x 200 dpi
Copy Speed	SDMC :16ppm / 17ppm (A4 / Letter) MDMC : 3cpm
Copy Resolution	300*300 DPI (Pseudo)
Modem Speed	33.6Kbps
Fax Resolution	Standard : 203*98dpi Fine : 203 * 196dpi S.Fine : 203*392dpi
FAX memory	2MB
FAX DATA coding	MH/MR/MMR



3.6 Clock Frequencies

Kind of Clocks	Frequency[MHz]
Main	10MHz
Video	14.7456MHz
SDRAM	66MHz
USB	12MHz
Modem	4.9152MHz

3.7 Operating mode condition

The system was configured for testing in typical fashion use. Cables were attached to each of the available I/O Ports. Where applicable, peripherals were attached to the I/O cables. The mode of operation utilized for testing was selected to best simulate typical EUT use. The EUT is supporting the USB, COPY printing, FAX TX and RX mode. The uplink and downlink speech output levels were monitored to see if audio breakthroughs were less than the reference measurement values of the audio calibration. At the conclusion of the test, the EUT was checked to see that it operated as intended with no loss of user control functions or stored data.

3.8 Measurement uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus: (According to CISPR 16-4 and UKAS Lab 34.)

Test type		Measurement uncertainty (C.L. 95 %, k = 2)
Conducted disturbance	Mains Port	± 2.8 dB
Radiated disturbance	Horizontal	± 5.1 dB
	Vertical	± 5.09 dB

4. Results of individual test

4.1 Conducted disturbance

Both conducted lines are measured in Quasi-Peak and Average mode, including the worst-case data points for each tested configuration.

The EUT measured in accordance with the methods described in standards.

Limits for conducted disturbance at mains ports of class A

Frequency range Limits MHz	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	79	66
0,50 to 30	73	60

Note 1: 1 μV is regarded as 0 dB.
 Note 2: If the average limit is met in the measurement with quasi-peak detector, the measurement with average detector at the same frequency is unnecessary.
 Note 3: The lower limit shall apply at the transition frequency.

Limits for conducted disturbance at the mains ports of class B

Frequency range Limits MHz	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

Note 1: 1 μV is regarded as 0 dB.
 Note 2: The limits shall decrease linearly with the logarithm of the frequency in the range 150 - 500 kHz.
 Note 3: If the average limit is met in the measurement with quasi-peak detector, the measurement with average detector is unnecessary.
 Note 4: The lower limit shall apply at the transition frequency.

4.1.1 Test instrumentation

Test instrumentation used in the Conducted disturbance test was as follows:

Test instrumentation	Model name	Manufacturer	Serial or Firmware (No./Ver.)	Calibration	
				Date	Interval (Month)
Test Software	EMC 32	R&S	Ver 5.20.2	N/A	N/A
Measuring receiver	ESCI	R&S	100368	2007-06-01	12
Artificial mains network	ENV216	R&S	100116	2006-09-01	12
Artificial mains network	ESH3-Z5	R&S	831887/004	2007-03-02	12

4.1.2 Photograph of the test Configuration

- Mains Port

(Front)



(Rear)





4.1.3 Test results

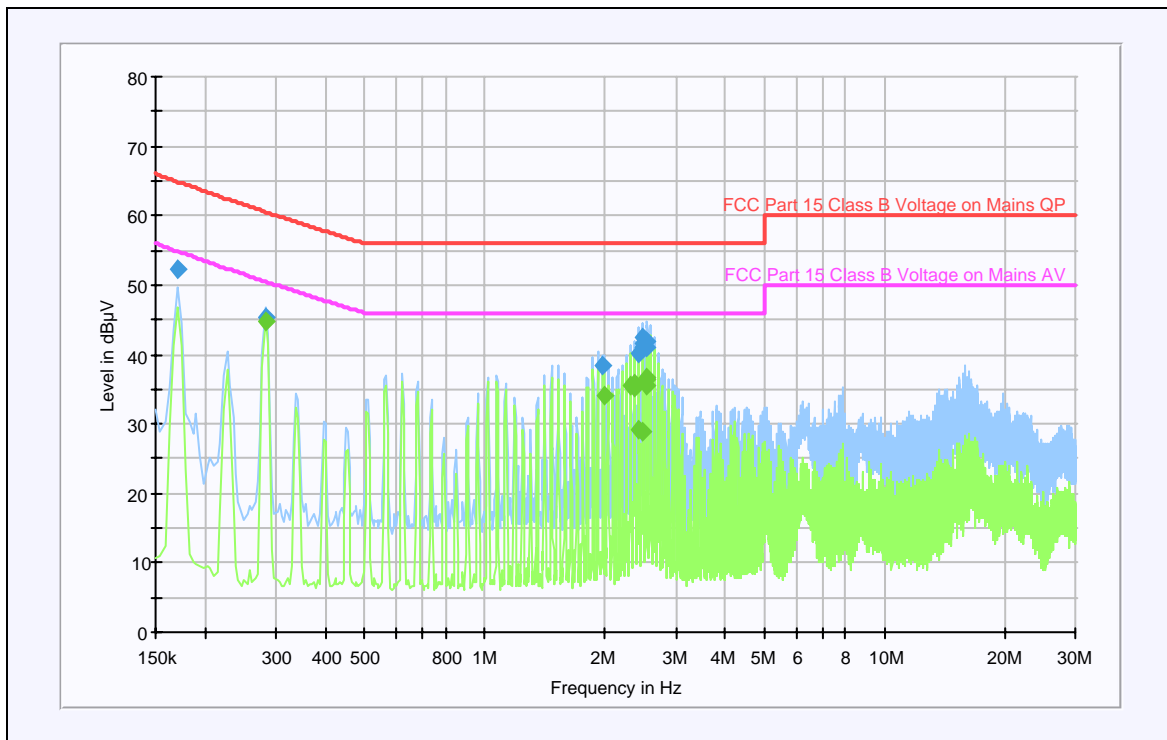
Operating condition	Stand-By			
Test date	2007-08-22	Test engineer	Sang Kyu, Seo	
Climate condition	Ambient temperature	23.6	Relative humidity	57 %
	Atmospheric pressure	100.5 kPa		
Test place	Shielded room #1			

Scan Setup: EN55022_B_ENV 2-Line-LISN fin [EMI conducted]

Hardware Setup: Voltage with ENV 2-Line-LISN
 Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
150kHz - 30MHz	QuasiPeak; Average	9kHz	15s	ESCI 3

EN55022_B with ENV 2-Line-LISN





Project No. : LBE072753

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Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB μ V)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.169500	52.2	L1	9.6	12.7	64.9
0.283900	45.3	L1	9.6	15.2	60.5
1.976200	38.4	L1	9.7	17.6	56.0
2.431800	40.0	L1	9.7	16.0	56.0
2.483800	41.0	N	9.7	15.0	56.0
2.486600	42.5	N	9.7	13.5	56.0
2.488600	41.5	N	9.7	14.5	56.0
2.489200	41.1	N	9.7	14.9	56.0
2.543000	41.9	N	9.7	14.1	56.0
2.545800	41.0	N	9.7	15.0	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dB μ V)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.283900	44.7	L1	9.6	5.8	50.5
1.980200	34.0	L1	9.7	12.0	46.0
2.323200	35.6	L1	9.7	10.4	46.0
2.377400	35.1	L1	9.7	10.9	46.0
2.378600	35.8	L1	9.7	10.2	46.0
2.428200	29.2	L1	9.7	16.8	46.0
2.483800	29.0	N	9.7	17.0	46.0
2.547000	35.4	N	9.7	10.6	46.0
2.549000	36.4	N	9.7	9.6	46.0
2.549800	36.8	N	9.7	9.2	46.0



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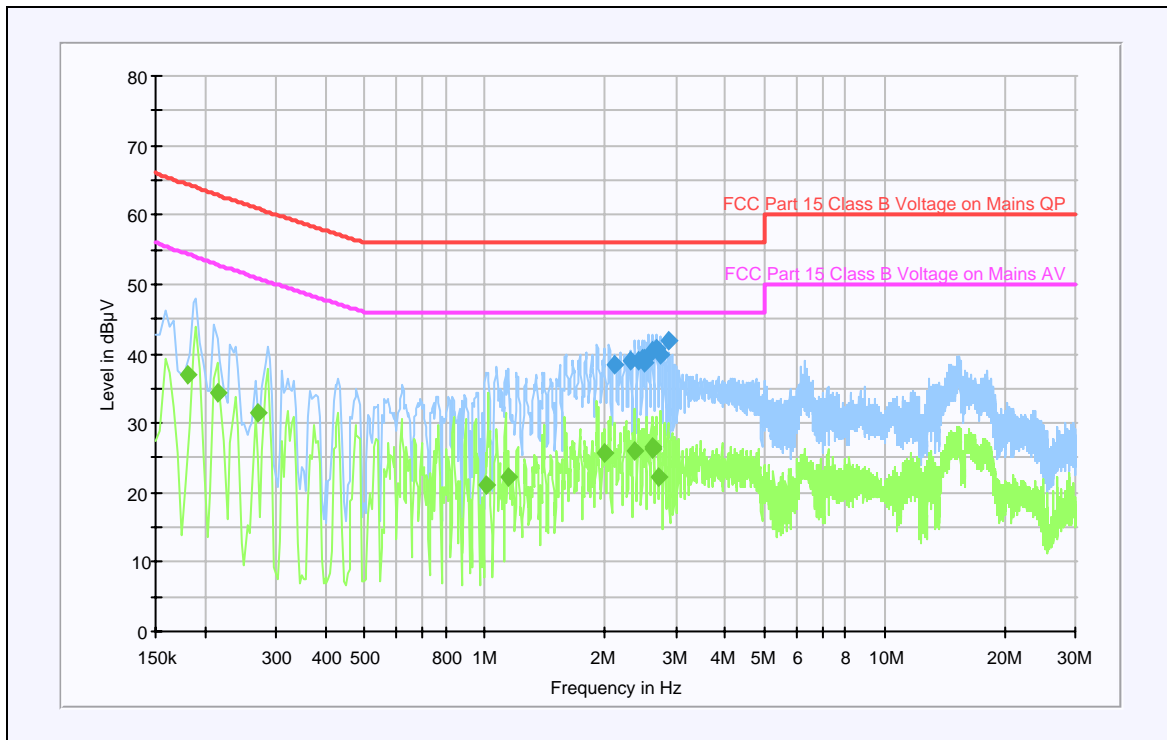
Operating condition	Copy			
Test date	2007-08-22	Test engineer	Sang Kyu, Seo	
Climate condition	Ambient temperature	23.6	Relative humidity	57 %
	Atmospheric pressure	100.5 kPa		
Test place	Shielded room #1			

Scan Setup: EN55022_B_ENV 2-Line-LISN fin [EMI conducted]

Hardware Setup: Voltage with ENV 2-Line-LISN
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
150kHz - 30MHz	QuasiPeak; Average	9kHz	15s	ESCI 3

EN55022_B with ENV 2-Line-LISN





Project No. : LBE072753

PLAIN PAPER FAX: SF-565PR



SEC EMC Laboratory

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB μ V)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
2.105600	38.3	N	9.7	17.7	56.0
2.301400	38.9	N	9.7	17.1	56.0
2.419200	38.8	L1	9.7	17.2	56.0
2.491000	39.3	L1	9.7	16.7	56.0
2.493400	39.2	L1	9.7	16.8	56.0
2.503200	38.8	N	9.7	17.2	56.0
2.620000	40.5	L1	9.7	15.5	56.0
2.690600	40.7	N	9.7	15.3	56.0
2.753800	40.0	N	9.7	16.0	56.0
2.871800	41.8	N	9.7	14.2	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dB μ V)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.180500	37.1	L1	9.6	17.2	54.3
0.215300	34.2	N	9.6	18.6	52.8
0.271700	31.6	L1	9.6	19.2	50.8
1.005000	21.2	N	9.6	24.8	46.0
1.147600	22.1	N	9.6	23.9	46.0
1.980400	25.7	N	9.7	20.3	46.0
2.369400	26.1	N	9.7	19.9	46.0
2.620800	26.4	L1	9.7	19.6	46.0
2.624600	26.2	L1	9.7	19.8	46.0
2.726600	22.4	N	9.7	23.6	46.0



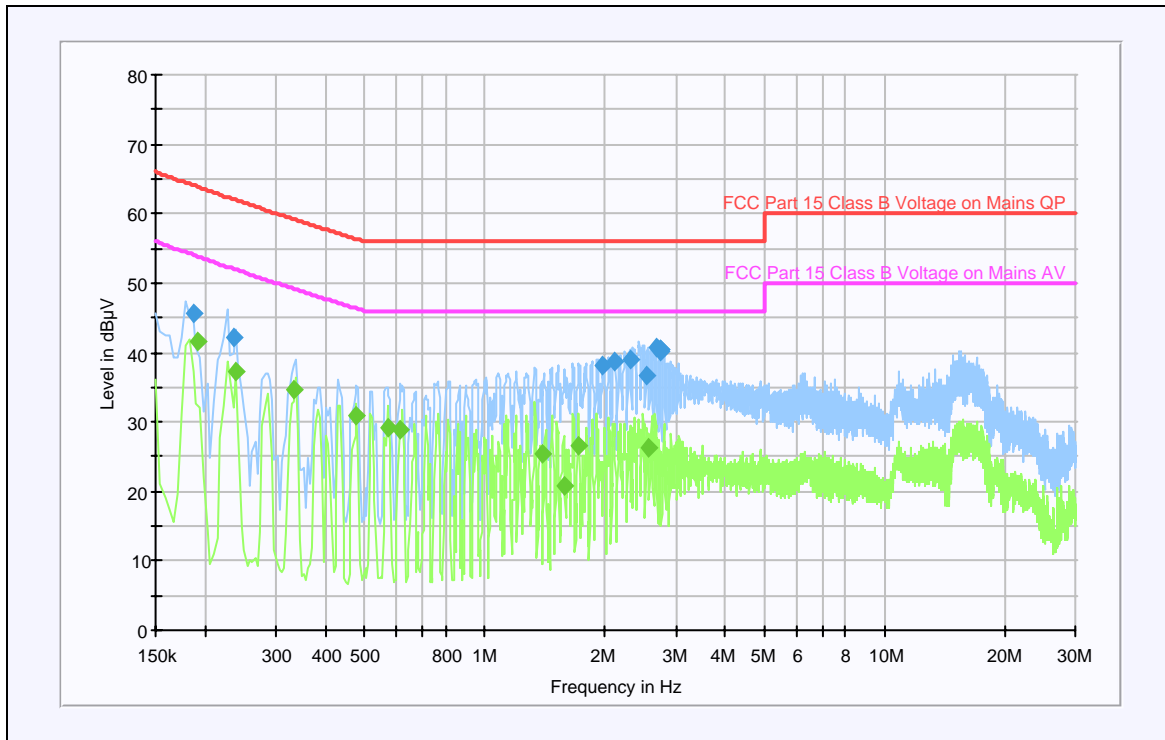
Operating condition	USB Printing			
Test date	2007-08-22	Test engineer	Sang Kyu, Seo	
Climate condition	Ambient temperature	23.6	Relative humidity	57 %
	Atmospheric pressure	100.5 kPa		
Test place	Shielded room #1			

Scan Setup: EN55022_B_ENV 2-Line-LISN fin [EMI conducted]

Hardware Setup: Voltage with ENV 2-Line-LISN
 Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
150kHz - 30MHz	QuasiPeak; Average	9kHz	15s	ESCI 3

EN55022_B with ENV 2-Line-LISN





Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB μ V)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.186900	45.5	L1	9.6	18.5	64.0
0.234700	42.2	L1	9.6	19.9	62.1
1.976200	38.2	N	9.7	17.8	56.0
2.106600	38.8	N	9.7	17.2	56.0
2.303800	38.9	N	9.7	17.1	56.0
2.546400	36.8	N	9.7	19.2	56.0
2.682600	40.7	N	9.7	15.3	56.0
2.737200	40.0	N	9.7	16.0	56.0
2.743000	40.3	N	9.7	15.7	56.0
2.744000	40.4	N	9.7	15.6	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dB μ V)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.191100	41.5	L1	9.6	12.3	53.8
0.237300	37.2	N	9.6	14.8	52.0
0.333100	34.7	N	9.6	14.5	49.2
0.474100	31.0	N	9.6	15.4	46.4
0.569500	29.3	N	9.6	16.7	46.0
0.614900	29.0	N	9.6	17.0	46.0
1.385200	25.6	N	9.7	20.4	46.0
1.588800	20.8	N	9.7	25.2	46.0
1.718200	26.6	N	9.7	19.4	46.0
2.559400	26.3	N	9.7	19.7	46.0



4.2 Radiated disturbance

Of those disturbances above ($L - 20\text{dB}$), where L is the limit level in logarithmic units, record at least the disturbance levels and the frequencies of the six highest disturbances.

The following data lists the significant emission frequencies, measured levels, correction factors (for antenna and cables), orientation of table, polarization and height of antenna, the corrected reading, the limit, and the amount of margin. All measurements were taken utilizing quasi-peak detection unless stated otherwise. Measurements were performed at an antenna to EUT distance of 10 meters and elevated between 1 and 4 meters. Both vertical and horizontal antenna polarizations were measured.

Limits for radiated disturbance of ITE at a measuring distance of 10 m

Frequency range Limits MHz	Quasi-peak Limits dB dB($\mu\text{V}/\text{m}$)	
	Class A	Class B
30 to 230	40	30
230 to 1000	47	37

Note 1: The lower limit shall apply at the transition frequency.
 Note 2: Additional provisions may be required for cases where interference occurs.
 Note 3: 1 $\mu\text{V}/\text{m}$ is regarded as 0 dB.

4.2.1 Test instrumentation

Test instrumentation used in the Radiated disturbance was as follows:

Test instrumentation	Model name	Manufacturer	Serial or Firmware (No./Ver.)	Calibration	
				Date	Interval (Month)
Bi-con Antenna	CBL6112D	SCHAFFNER	22602	2006-06-26	24
Bi-con Antenna	CBL6112D	SCHAFFNER	22601	2007-04-02	24
EMI Receiver	ESIB-26	R&S	100289	2007-03-22	12
EMI Receiver	ESIB-26	R&S	100287	2007-04-10	12
AMPLIFIER	310N	SONOMA	186467	2007-03-17	12
AMPLIFIER	310N	SONOMA	251673	2007-03-17	12
Ant Mast	MA4000	INN CO	-	N/A	N/A
Ant Mast	MA4000	INN CO	-	N/A	N/A
Mast Controller	CO2000	INN CO	-	N/A	N/A
Test software	EP5/RE	TOYO	VER 3.1.20	N/A	N/A
RF Selector	NS4900	TOYO	-	N/A	N/A

4.2.2 Photograph of the test Configuration

(Front)



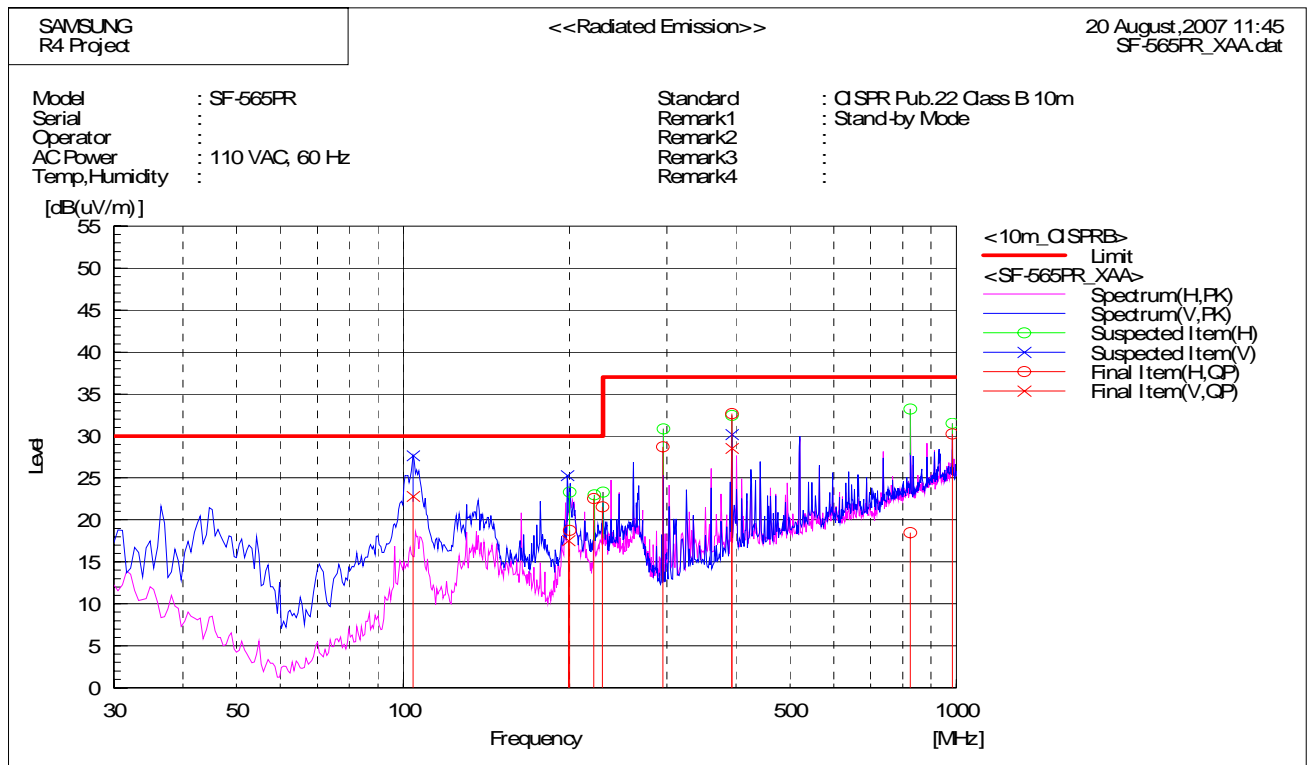
(Rear)





4.2.3 Test results (30MHz ~ 1GHz)

Operating condition	Stand-By			
Test date	2007-08-20	Test engineer	Sang Kyu, Seo	
Climate condition	Ambient temperature	21.8	Relative humidity	69 %
	Atmospheric pressure	100.4 kPa		
Test place	10m Semi-Anechoic Chamber #1			
Note	* Receiving antenna mode : Horizontal, Vertical * Test distance : 10 m (RF Semi Anechoic Chamber) * Result = Reading + c.f (Antenna factor + Cable loss- Amp Gain) * Margin = Limit – Result			

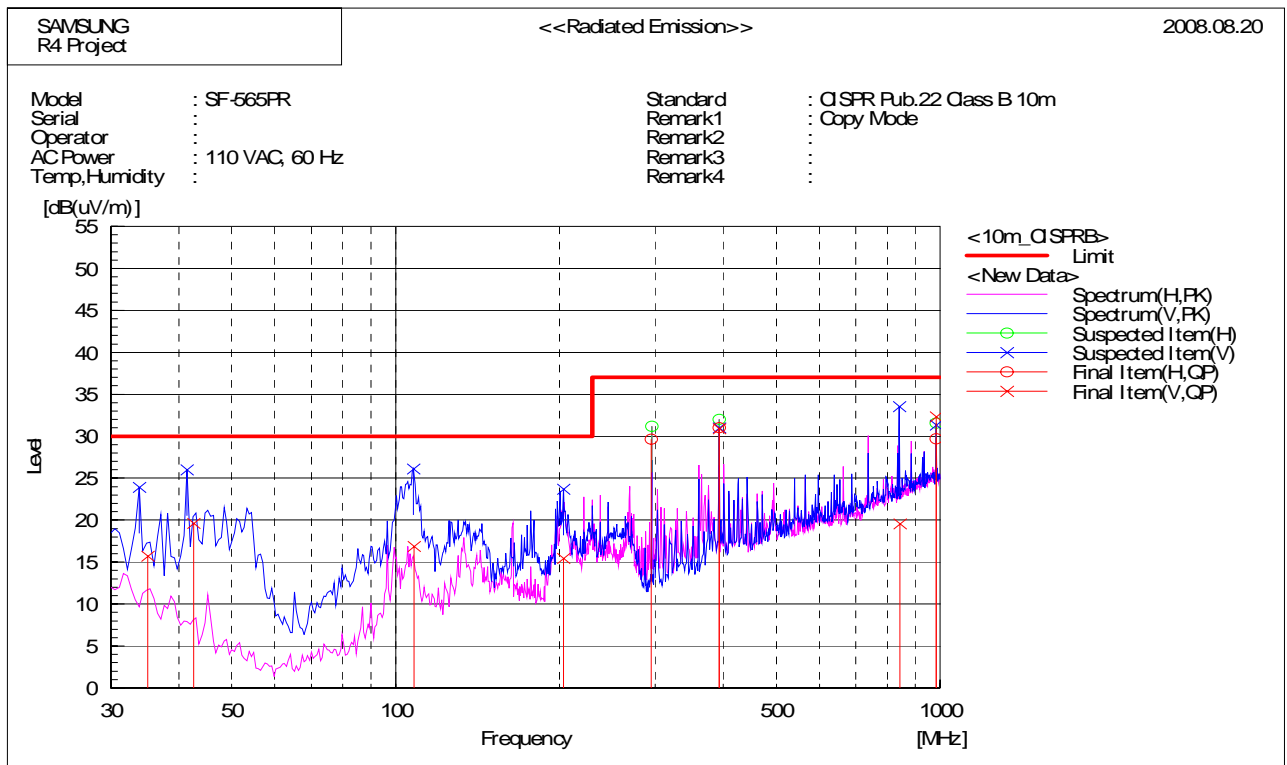


Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	200.022	H	38.6	-19.8	18.8	30.0	11.2	341.0	283.3	1
2	104.136	V	41.5	-18.7	22.8	30.0	7.2	131.0	297.1	2
3	221.178	H	42.4	-19.8	22.6	30.0	7.4	400.0	113.7	1
4	199.215	V	38.1	-20.5	17.6	30.0	12.4	108.0	16.4	2
5	229.364	H	40.2	-18.6	21.6	30.0	8.4	367.0	112.4	1
6	393.195	V	40.0	-11.5	28.5	37.0	8.5	400.0	16.9	2
7	294.900	H	43.1	-14.4	28.7	37.0	8.3	282.0	359.6	1
8	393.209	H	44.0	-11.3	32.7	37.0	4.3	227.0	258.8	1
9	825.414	H	22.9	-4.4	18.5	37.0	18.5	150.0	287.0	1
10	983.061	H	31.8	-1.5	30.3	37.0	6.7	100.0	206.1	1



Operating condition	Copy			
Test date	2007-08-20	Test engineer	Sang Kyu, Seo	
Climate condition	Ambient temperature	21.8	Relative humidity	69 %
	Atmospheric pressure	100.4 kPa		
Test place	10m Semi-Anechoic Chamber #1			
Note	* Receiving antenna mode : Horizontal, Vertical * Test distance : 10 m (RF Semi Anechoic Chamber) * Result = Reading + c.f (Antenna factor + Cable loss- Amp Gain) * Margin = Limit – Result			

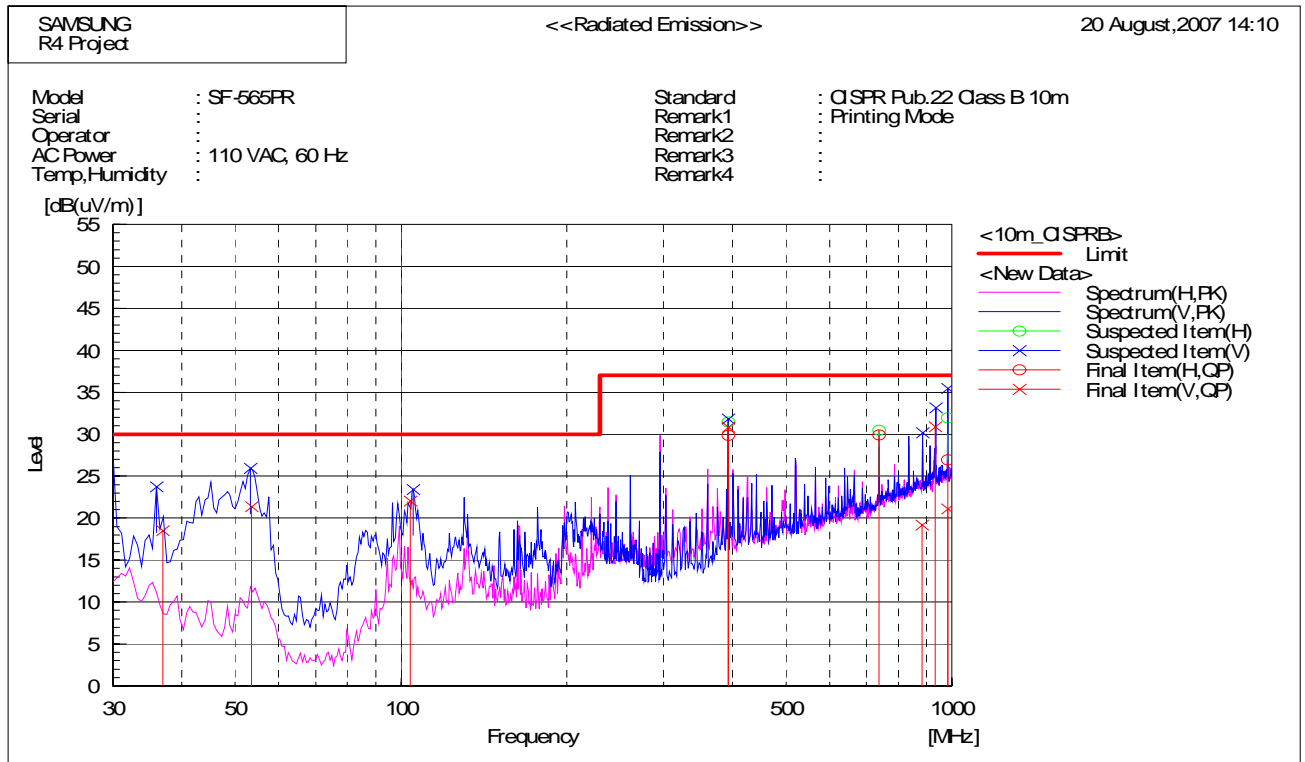


Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c. f [dB(1/m)]	Result QP [dB(uV/m)]	Limit [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	35.056	V	31.7	-16.0	15.7	30.0	14.3	100.0	359.5	2
2	42.529	V	39.5	-19.8	19.7	30.0	10.3	100.0	47.9	2
3	107.967	V	35.2	-18.3	16.9	30.0	13.1	100.0	278.0	2
4	203.192	V	35.6	-20.2	15.4	30.0	14.6	100.0	1.4	2
5	294.906	H	44.0	-14.4	29.6	37.0	7.4	283.0	359.5	1
6	393.209	H	42.3	-11.3	31.0	37.0	6.0	172.0	6.0	1
7	393.224	V	42.4	-11.5	30.9	37.0	6.1	102.0	37.8	2
8	843.763	V	23.5	-3.9	19.6	37.0	17.4	207.0	335.0	2
9	983.047	V	33.6	-1.2	32.4	37.0	4.6	184.0	0.3	2
10	983.061	H	31.2	-1.5	29.7	37.0	7.3	100.0	230.0	1



Operating condition	USB Printing			
Test date	2007-08-20	Test engineer	Sang Kyu, Seo	
Climate condition	Ambient temperature	21.8	Relative humidity	69 %
	Atmospheric pressure	100.4 kPa		
Test place	10m Semi-Anechoic Chamber #1			
Note	* Receiving antenna mode : Horizontal, Vertical * Test distance : 10 m (RF Semi Anechoic Chamber) * Result = Reading + c.f (Antenna factor + Cable loss- Amp Gain) * Margin = Limit – Result			



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	36.961	V	35.5	-16.9	18.6	30.0	11.4	100.0	243.2	2
2	53.518	V	45.8	-24.4	21.4	30.0	8.6	305.0	109.3	2
3	104.082	V	40.7	-18.7	22.0	30.0	8.0	100.0	280.1	2
4	393.224	V	42.4	-11.5	30.9	37.0	6.1	109.0	37.1	2
5	393.238	H	41.2	-11.3	29.9	37.0	7.1	221.0	276.8	1
6	737.304	H	35.3	-5.4	29.9	37.0	7.1	120.0	323.0	1
7	882.999	V	22.4	-3.2	19.2	37.0	17.8	167.0	78.5	2
8	933.907	V	32.9	-2.0	30.9	37.0	6.1	201.0	359.5	2
9	983.089	V	22.3	-1.2	21.1	37.0	15.9	177.0	19.5	2
10	983.103	H	28.5	-1.5	27.0	37.0	10.0	100.0	304.5	1



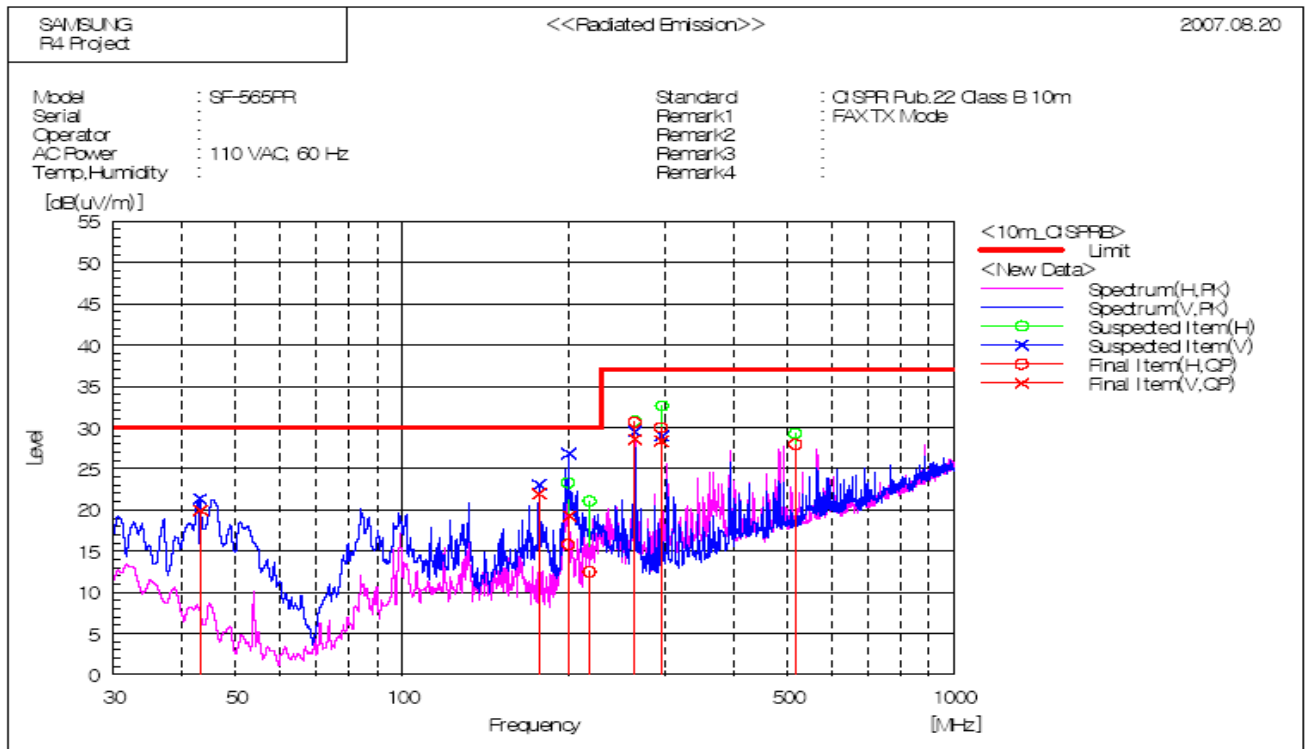
Project No. : LBE072753

PLAIN PAPER FAX: SF-565PR



SEC EMC Laboratory

Operating condition	FAX TX Mode			
Test date	2007-08-20	Test engineer	Sang Kyu, Seo	
Climate condition	Ambient temperature	21.8	Relative humidity	69 %
	Atmospheric pressure	100.4 kPa		
Test place	10m Semi-Anechoic Chamber #1			
Note	* Receiving antenna mode : Horizontal, Vertical * Test distance : 10 m (RF Semi Anechoic Chamber) * Result = Reading + c.f (Antenna factor + Cable loss- Amp Gain) * Margin = Limit – Result			

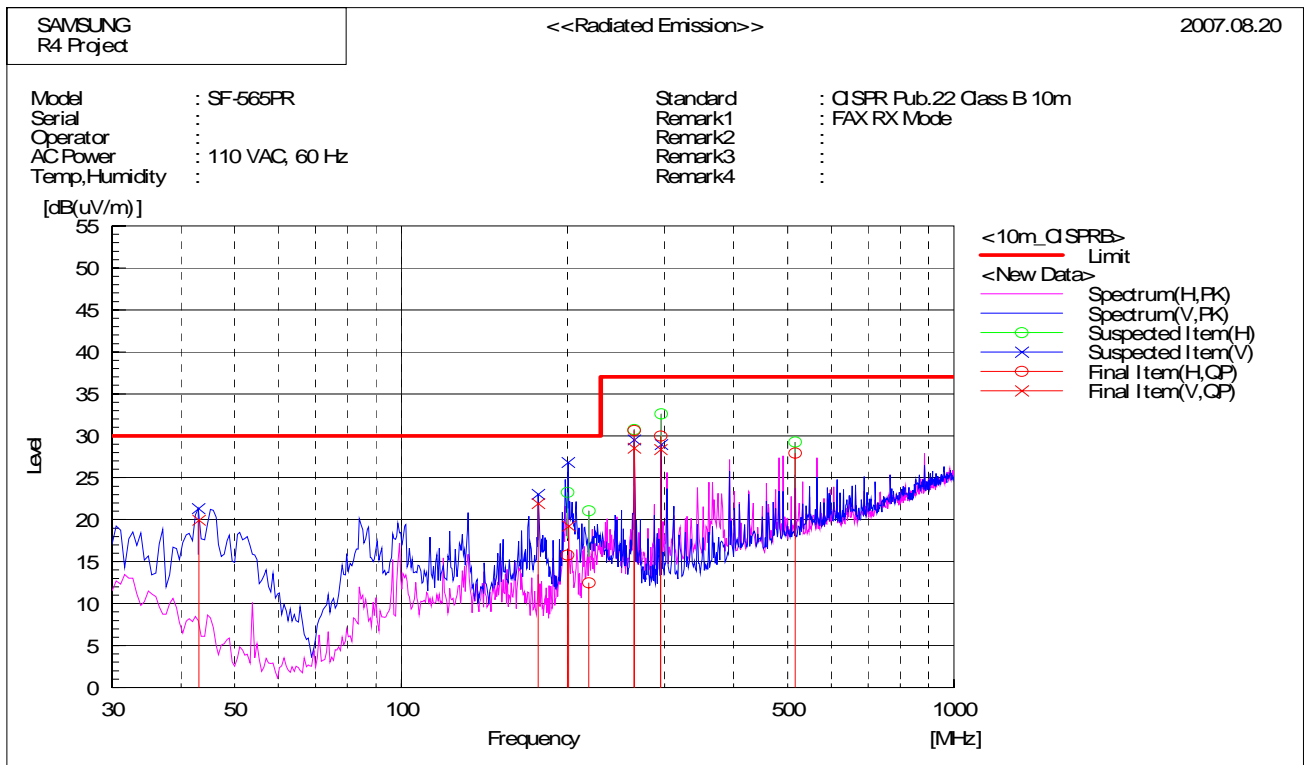


Final Result

No.	Frequency [MHz]	(P)	Reading [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	43.048	V	40.1	-20.1	20.0	30.0	10.0	100.0	79.5	2
2	176.950	V	41.3	-19.4	21.9	30.0	8.1	100.0	15.8	2
3	200.081	H	35.6	-19.8	15.8	30.0	14.2	393.0	115.4	1
4	200.893	V	39.6	-20.4	19.2	30.0	10.8	146.0	27.5	2
5	218.608	H	32.3	-19.8	12.5	30.0	17.5	392.0	283.8	1
6	264.194	H	45.8	-15.2	30.6	37.0	6.4	293.0	314.4	1
7	264.194	V	43.3	-14.8	28.5	37.0	8.5	107.0	152.3	2
8	294.911	H	44.4	-14.4	30.0	37.0	7.0	279.0	359.6	1
9	294.911	V	43.2	-14.8	28.4	37.0	8.6	108.0	326.5	2
10	516.123	H	36.8	-8.8	28.0	37.0	9.0	170.0	72.8	1



Operating condition	FAX RX Mode			
Test date	2007-08-20	Test engineer	Sang Kyu, Seo	
Climate condition	Ambient temperature	21.8	Relative humidity	69 %
	Atmospheric pressure	100.4 kPa		
Test place	10m Semi-Anechoic Chamber #1			
Note	* Receiving antenna mode : Horizontal, Vertical * Test distance : 10 m (RF Semi Anechoic Chamber) * Result = Reading + c.f (Antenna factor + Cable loss- Amp Gain) * Margin = Limit – Result			



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c. f [dB(1/m)]	Result QP [dB(uV/m)]	Limit [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	43.048	V	40.1	-20.1	20.0	30.0	10.0	100.0	79.5	2
2	176.950	V	41.3	-19.4	21.9	30.0	8.1	100.0	15.8	2
3	200.081	H	35.6	-19.8	15.8	30.0	14.2	393.0	115.4	1
4	200.893	V	39.6	-20.4	19.2	30.0	10.8	146.0	27.5	2
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9	294.911	V	43.2	-14.8	28.4	37.0	8.6	108.0	326.5	2
10	516.123	H	36.8	-8.8	28.0	37.0	9.0	170.0	72.8	1

Appendix – EUT photography

(Front)



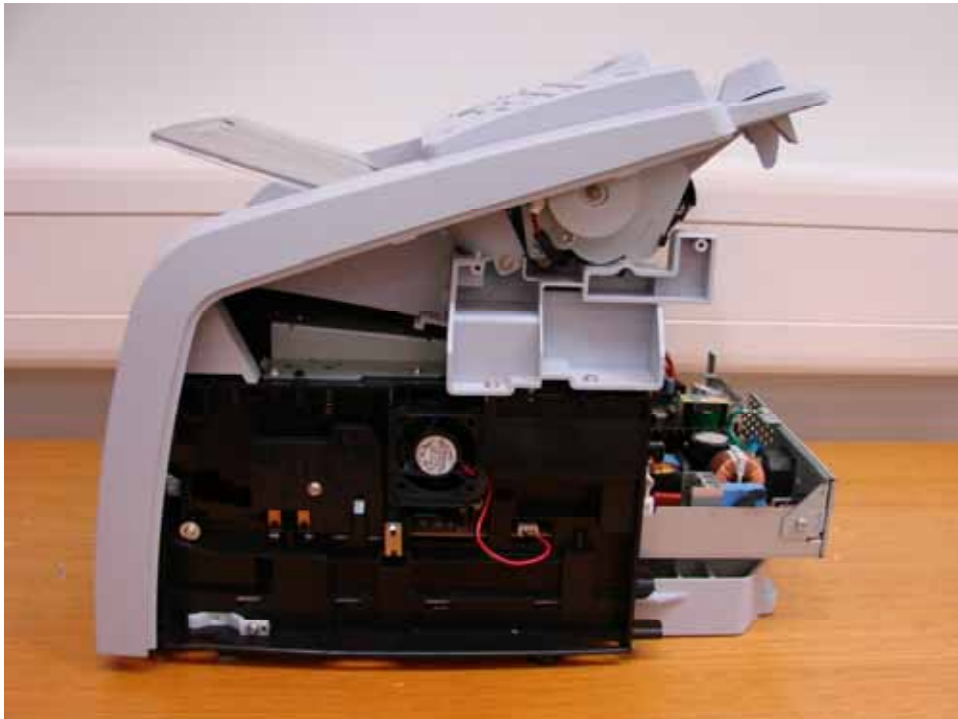
(Rear)



(Inside #1)





(Inside #2)



(Inside #3)



(Label)

 Samsung Electronics Co., Ltd. Suwon, Korea, 443-742 Place: M264	Model : SF-565PR Volts : AC 110-127V Hertz : 50/60Hz Amps : 4.0A Manufactured:	FCC ID : A3LSF565PR U S : A3LFA008SF565PR HAC This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: i) This device may not cause harmful interference, and ii) This device must accept any interference received, including interference that may cause undesired operati
	 51Y7 E149091 I.T.E.	This product complies with 21 CFR Chapter 1, subchapter J. This Class B digital apparatus complies with Canadian ICES-003 Cet appareil numérique de la classe B est Conforme à la norme NMB-003 du Canada.
S/N		MADE IN CHINA REV.00