

# EMC TEST REPORT

<b>Project No.</b>	LBE20124194	<b>Issue No.</b>	0
<b>Applicant</b>	<b>Name of organization</b>	Samsung Electronics Co., Ltd.	
	<b>Address</b>	(Maetan dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea	
	<b>Date of application</b>	August 17, 2012	
<b>EUT</b>	<b>Type of device</b>	<input checked="" type="checkbox"/> Class B personal computers and peripherals <input type="checkbox"/> All other devices	
	<b>Equipment authorization</b>	<input type="checkbox"/> Declaration of Conformity <input checked="" type="checkbox"/> Certification <input type="checkbox"/> Verification	
	<b>FCC ID</b>	A3LGTP8510	
	<b>Kind of product</b>	Bluetooth/Wi-Fi Portable Device	
	<b>Model No.</b>	GT-P8510	
	<b>Variant Model No.</b>	Refer to clause 4.6	
	<b>Manufacturer</b>	SAMSUNG ELECTRONICS CO., LTD. 94-1, Imsu-dong, Gumi-si, Gyengsangbuk-do, 730-722, Republic of Korea	
<b>Applied Standards</b>	FCC Part 15, Subpart B, Class B / ANSI C63.4-2003		
<b>Test Period</b>	August 22, 2012 ~ August 23, 2012		
<b>Issue date</b>	August 27, 2012		

## 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** : Young-Jin Kim



**Reviewed by** : Tae-Young Jang



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# 1. Report Information

## 1.1 Revision history

No.	Revised detailed information
Issue 0	- LBE20124194 (SAMSUNG)

# 2. Summary of test results

## 1.1 Emission

The EUT has been tested according to the following specifications:

Applied	Test type	Applied standard	Result
<input checked="" type="checkbox"/>	Conducted Disturbance (Mains port)	FCC Part 15 Subpart B / ANSI C63.4-2003 (Class B)	Complied
<input checked="" type="checkbox"/>	Radiated Disturbance		Complied

# 3. General Information

## 3.1 Test facility

The CS & Environment center is located on Samsung Electronics Co., Ltd. at (Maetan dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of 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 CS & Environment center is operated as testing laboratory in accordance with the requirements of ISO/IEC 17025:2005.

## 4. Test Setup configuration

### 4.1 Test Peripherals

The cables used for these peripherals are either permanently attached by the peripheral manufacturer or coupled with an assigned cable as defined below.

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

Mark	Description	Model No.	Serial No.	Manufacturer / Trademark	FCC ID / DoC
A	Bluetooth/Wi-Fi Portable Device	GT-P8510	-	SAMSUNG	A3LGTP8510
B	Battery	SP3782A9A	-	SAMSUNG	-
C	Headset	EHS64AVFWE	-	SAMSUNG	-
D	Micro SD Card	16GB	-	SANDISK	-
E	Docking Keyboard	EKD-K30USB	YB0C810AS D	SAMSUNG	DoC
F	Power Supply	A12-040N1A	CNS440001595	SAMSUNG	-
G	LED TV Monitor	UN22C4000P	ZOBY31KZ700003F	SAMSUNG	DoC
H	Mouse	SC-1000	20-1EI01S501	SAMSUNG	DoC
I	USB Memory	SDCZ36-016G	BL1102OHYB	SANDISK	DoC

### 4.2 EUT operating mode

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

<b>Operating Mode 1</b>	GPS Receive + NFC
<b>Operating Mode 2</b>	Mega Camera Preview + MP3 Play
<b>Operating Mode 3</b>	VGA Camera Preview + NFC Idle
<b>Operating Mode 4</b>	MP4 Play + HDMI Display

### 4.3 Details of Sampling

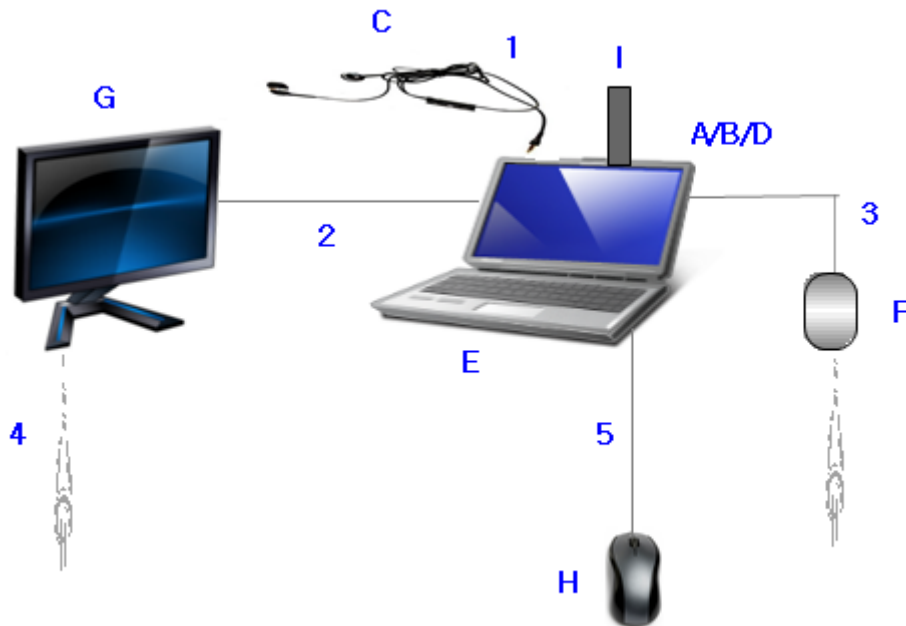
Customer selected, single unit.

#### 4.4 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:

No.	Connected cable	Length [m]	Shielded [Y/N]	Note
1	Headset	1.5	No	For EUT
2	HDMI	1.5	Yes	From EUT to LED TV Monitor
3	Power	1.8	No	For Power Supply of EUT
4	Power	1.8	No	For LED TV Monitor
5	USB	1.8	Yes	From Docking Keyboard to Mouse

#### 4.5 Test arrangement



## 4.6 EUT Description

4.6.1 The following features describe EUT represented by this report:

Item	Specification
Operating Temperature (°C)	-20 ~ +60
Operating Humidity (%)	0 ~ 95
Bluetooth	2 402 ~ 2 480 MHz
WLAN	11 b/g/n 2 412 ~ 2 472 MHz
	11 a/n 5 180 ~ 5 805 MHz

4.6.2 The variant models

- None

## 4.7 Clock Frequencies

Kind of Clocks	Frequency [ MHz ]
CPU	1 500
NFC	13.56

## 4.8 Test configuration and condition

The system was configured for testing in a typical fashion that a customer would normally use, and was tested while in an automated non-attendant mode.

The modes of operation utilized for testing were selected to best simulate typical use.

Power source for the EUT operating was supplied by CVCF made by the Pacific Power Source Corp.

- Test Voltage : AC 120 V, 60 Hz

## 4.9 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.)

### 4.9.1 Emission

Test type		Measurement uncertainty (C.L. 95 %, k = 2)
Conducted disturbance	AC Mains	$\pm 3.24$ dB
Radiated Disturbance (30 MHz ~ 1 GHz)	Horizontal	$\pm 4.59$ dB
	Vertical	$\pm 4.75$ dB
Radiated Disturbance (1 GHz ~ 6 GHz)	Horizontal	$\pm 4.18$ dB
	Vertical	$\pm 4.15$ dB

## 5. Results of individual test

### 5.1 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 the mains ports of Class B ITE

Frequency range Limits [ MHz ]	Resolution Bandwidth [ kHz ]	Limits [ dB(μV) ]	
		Quasi-peak	Average
0,15 to 0,50	9	66 to 56	56 to 46
0,50 to 5	9	56	46
5 to 30	9	60	50

NOTE 1 The lower limit shall apply at the transition frequency.  
NOTE 2 The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

#### 5.1.1 Test instrumentation

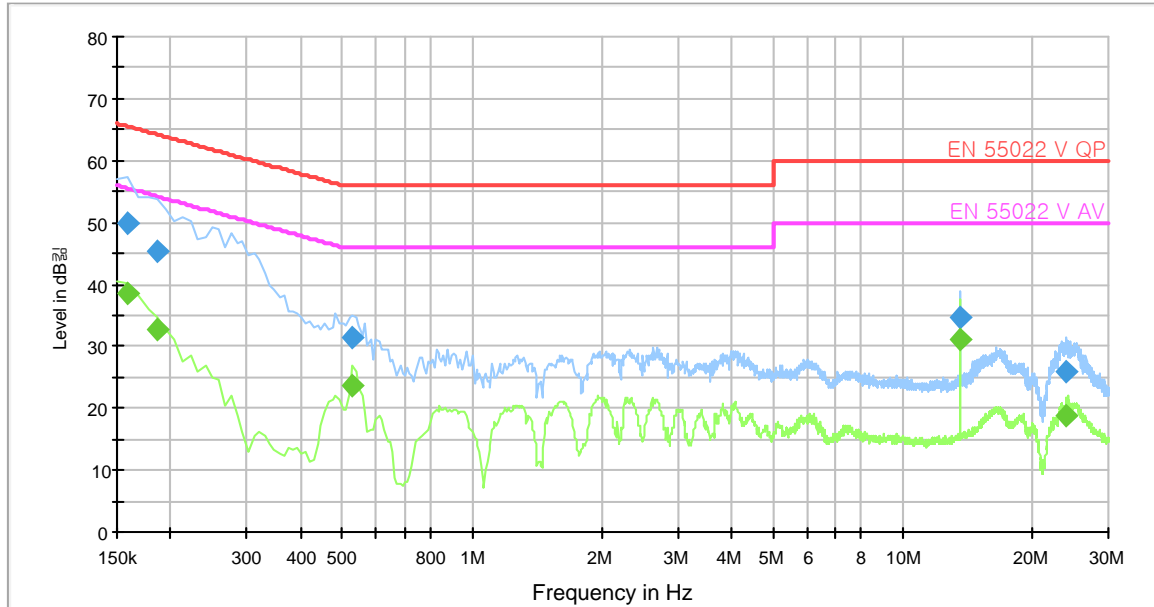
EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Calibration	
					Date	Interval (Month)
E4I-093	Test Receiver	ESCI	R&S	100086	2011-11-11	12
E3I-050	LISN	ESH3-Z5	R&S	100263	2011-10-12	12
E3I-259	LISN	ENV216	R&S	101369	2011-10-11	12
E3I-138	Universal Radio Communicator	R&S	CMU200	110431	2011-11-30	12

#### 5.1.2 Temperature and humidity condition

<b>Test date</b>	2012-08-23	<b>Test engineer</b>	Young-Jin Kim
<b>Climate condition</b>	Ambient temperature	23.6 °C	Limit (15.0 to 35.0) °C
	relative humidity	41.5 % R.H.	Limit (25.0 to 75.0) % R.H.
	Atmospheric pressure	100.8 kPa	Limit (86.0 to 106.0) kPa
<b>Test place</b>	Shield Room (SR8)		

### 5.1.3 Test results

#### Operating Mode 1



Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Quasi-peak final measurement results table:

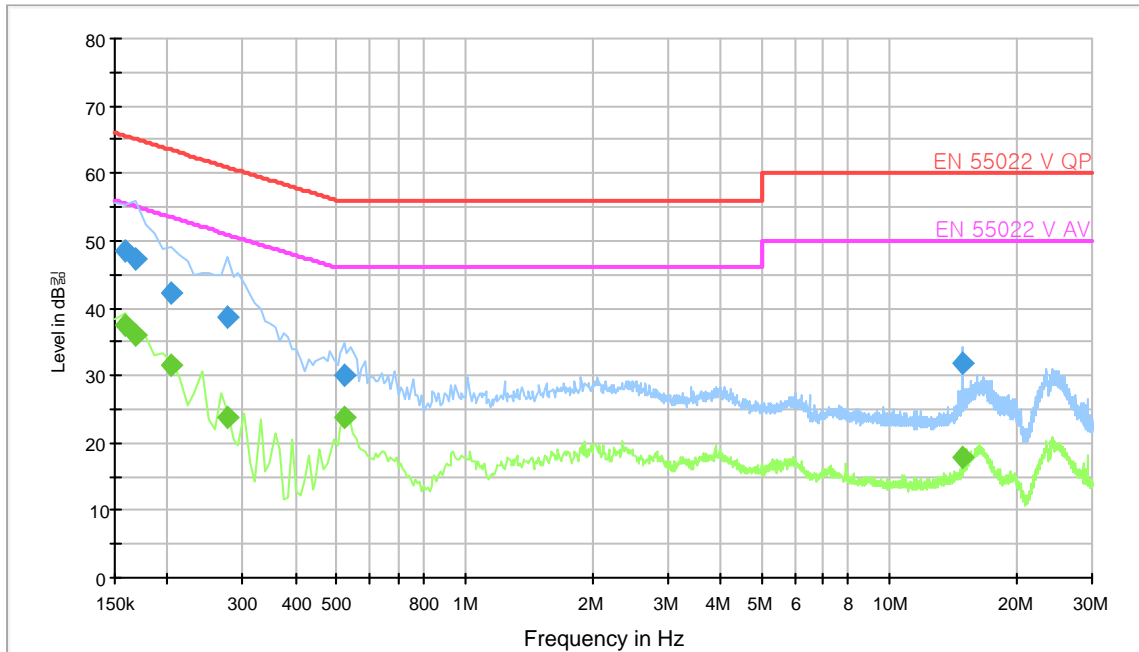
Frequency (MHz)	Level (dBµV)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.159	49.7	L1	10.1	15.8	65.5
0.186	45.3	L1	10.1	18.9	64.2
0.528	31.4	L1	10.0	24.6	56.0
13.560	34.7	L1	9.8	25.3	60.0
24.027	25.8	L1	9.8	34.2	60.0

Average final measurement results table:

Frequency (MHz)	Level (dBµV)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.159	38.5	L1	10.1	17.0	55.5
0.186	32.8	L1	10.1	21.4	54.2
0.528	23.5	L1	10.0	22.5	46.0
13.560	31.1	L1	9.8	18.9	50.0
24.027	18.7	L1	9.8	31.4	50.0

Note 2) Level (QP and/or AV) = Meter Reading (QP and/or AV) + Corr. (LISN Insertion Loss + Cable Loss)  
 Margin (QP and/or AV) = Limit – Level (QP and/or AV)  
 QP = Quasi-Peak, AV = Average

Operating Mode 2



Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Quasi-peak final measurement results table:

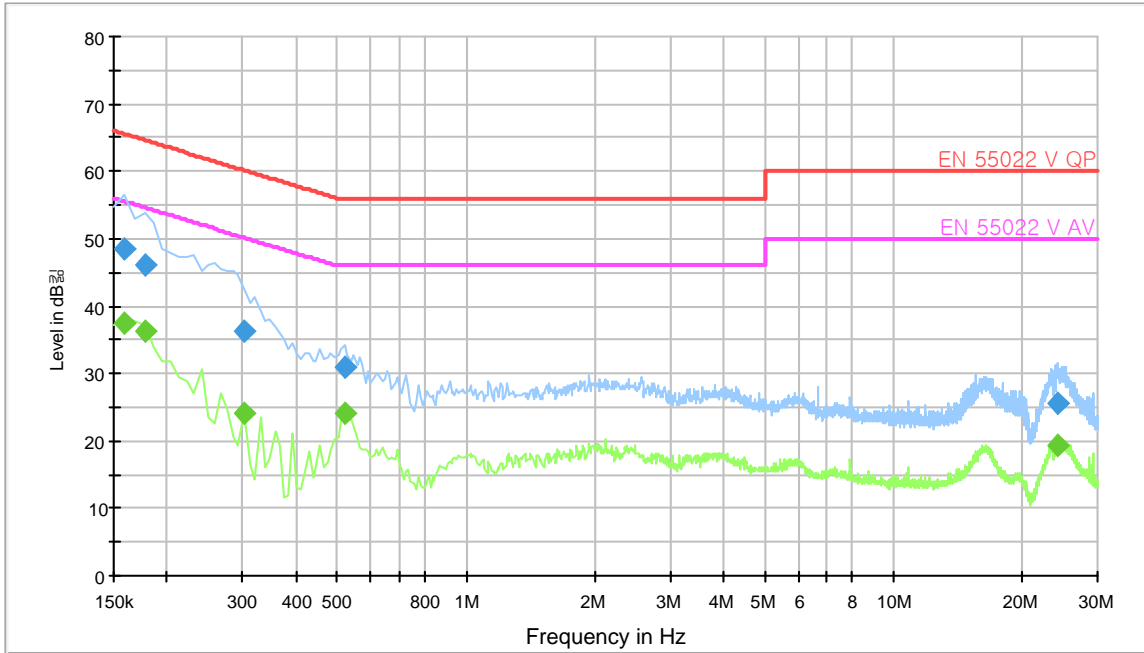
Frequency (MHz)	Level (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.159	48.4	L1	10.1	17.1	65.5
0.168	47.2	L1	10.3	17.9	65.1
0.204	42.3	L1	10.0	21.2	63.4
0.276	38.8	N	10.0	22.2	60.9
0.519	30.2	N	10.0	25.8	56.0
14.865	31.7	L1	9.8	28.3	60.0

Average final measurement results table:

Frequency (MHz)	Level (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.159	37.5	L1	10.1	18.0	55.5
0.168	36.1	L1	10.3	19.0	55.1
0.204	31.4	L1	10.0	22.1	53.4
0.276	23.8	N	10.0	27.2	50.9
0.519	23.8	N	10.0	22.2	46.0
14.865	17.9	L1	9.8	32.1	50.0

Note 2) Level (QP and/or AV) = Meter Reading (QP and/or AV) + Corr. (LISN Insertion Loss + Cable Loss)  
 Margin (QP and/or AV) = Limit – Level (QP and/or AV)  
 QP = Quasi-Peak, AV = Average

Operating Mode 3



Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Quasi-peak final measurement results table:

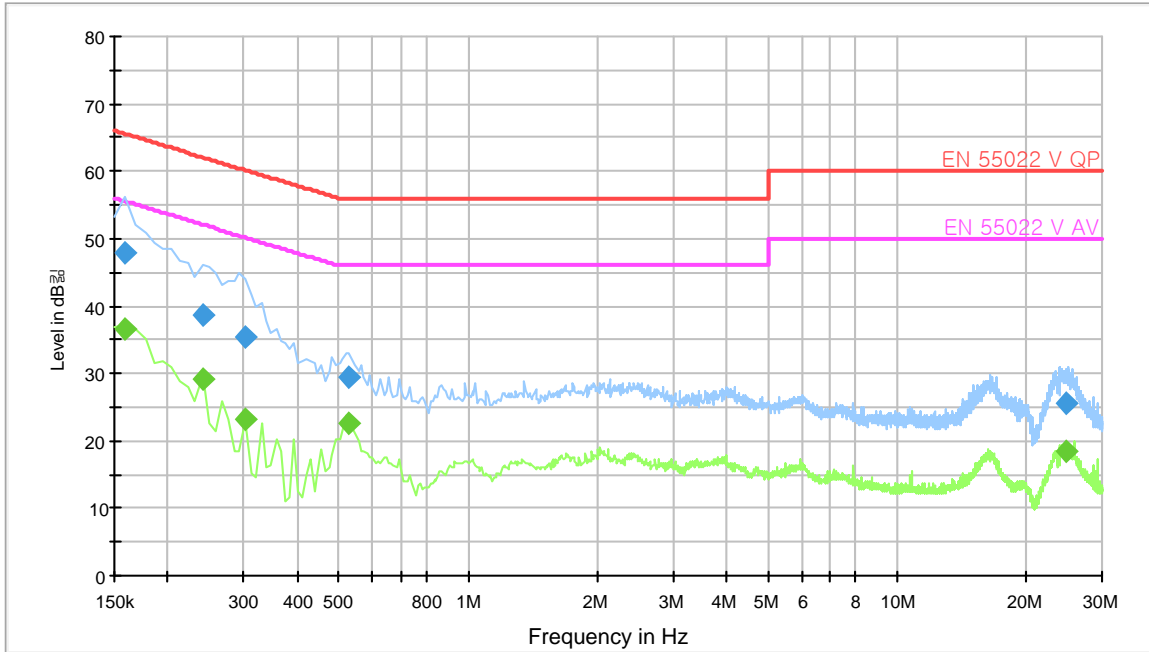
Frequency (MHz)	Level (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.159	48.5	L1	10.1	17.0	65.5
0.177	46.1	L1	10.2	18.5	64.6
0.303	36.1	N	10.0	24.0	60.2
0.519	30.8	L1	10.0	25.2	56.0
24.225	25.6	N	10.1	34.4	60.0

Average final measurement results table:

Frequency (MHz)	Level (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.159	37.4	L1	10.1	18.1	55.5
0.177	36.2	L1	10.2	18.5	54.6
0.303	24.2	N	10.0	26.0	50.2
0.519	24.1	L1	10.0	21.9	46.0
24.225	19.2	N	10.1	30.8	50.0

Note 2) Level (QP and/or AV) = Meter Reading (QP and/or AV) + Corr. (LISN Insertion Loss + Cable Loss)  
 Margin (QP and/or AV) = Limit – Level (QP and/or AV)  
 QP = Quasi-Peak, AV = Average

Operating Mode 4



Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

Quasi-peak final measurement results table:

Frequency (MHz)	Level (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.159	47.8	L1	10.1	17.8	65.5
0.240	38.6	N	10.0	23.5	62.1
0.303	35.3	N	10.0	24.8	60.2
0.528	29.5	N	10.0	26.5	56.0
24.756	25.6	L1	9.8	34.4	60.0

Average final measurement results table:

Frequency (MHz)	Level (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.159	36.5	L1	10.1	19.0	55.5
0.240	29.0	N	10.0	23.1	52.1
0.303	23.1	N	10.0	27.0	50.2
0.528	22.6	N	10.0	23.4	46.0
24.756	18.5	L1	9.8	31.5	50.0

Note 2) Level (QP and/or AV) = Meter Reading (QP and/or AV) + Corr. (LISN Insertion Loss + Cable Loss)  
 Margin (QP and/or AV) = Limit – Level (QP and/or AV)  
 QP = Quasi-Peak, AV = Average

## 5.2 Radiated disturbance

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.

Peak measurements were made over the changeable frequency range 30 MHz to 1 GHz at a measurement distance of 10 m for the following antenna and turntable arrangements:

Antenna Height [ cm ]	Antenna Polarisation	Resolution Bandwidth [ kHz ]	Video Bandwidth [ kHz ]	Turntable position [ degrees ]
100 ~ 400	Horizontal, Vertical	120	300	Continuous

Measurements within 6 dB of the limit were then maximized by adjusting turntable position. Final measurements were made using quasi-peak detectors.

Peak/Average measurements were made over the changeable frequency range 1 GHz to 40 GHz or 5th harmonics of the highest frequency in accordance with internal maximum operating frequency at a measurement distance of 3 m for the following antenna and turntable arrangements:

Antenna Height [ cm ]	Antenna Polarisation	Resolution Bandwidth [ MHz ]	Video Bandwidth [ MHz ]	Turntable position [ degrees ]
100 ~ 400	Horizontal, Vertical	1 (PK / AV)	3 (PK) 10 Hz (AV)	Continuous

Measurements within 6 dB of the limit were then maximized by adjusting turntable position. Final measurements were made using peak and average detectors.

### Limits for radiated disturbance of Class B ITE at a measuring distance of 3 m and 10 m

Frequency range Limits [ MHz ]	Field Strength		
	3 m [ $\mu\text{V/m}$ ]	3 m [ dB( $\mu\text{V/m}$ ) ]	10 m [ dB( $\mu\text{V/m}$ ) ]
30 to 88	100	40.0	29.5
88 to 216	150	43.5	33.0
216 to 960	200	46.0	35.5
Above 960	500	54.0	43.5

Results checked manually; and points close to the limit line were re-measured.

## 5.2.1 Test instrumentation

EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Calibration	
					Date	Interval (Month)
E3I-190	BILOG Antenna	Schaffner	CBL6112B	2804	2011-06-22	24
E3I-130	BILOG Antenna	CBL6112D	TESEQ	25513	2010-11-12	24
E3I-213	Preamplifier	317	SONOMA	282424	2011-12-06	12
E3I-214	Preamplifier	317	SONOMA	282425	2011-12-06	12
E3I-231	Horn Antenna	3115	ETS Lindgren	00101620	2012-01-12	24
E3I-228	EMI Test Receiver	ESU8	R&S	100084	2011-10-10	12
E3I-233	EMI Test Receiver	ESU26	R&S	100364	2011-10-24	12
E3I-045	Universal Radio Communicator	R&S	CMU200	100612	2012-07-21	12

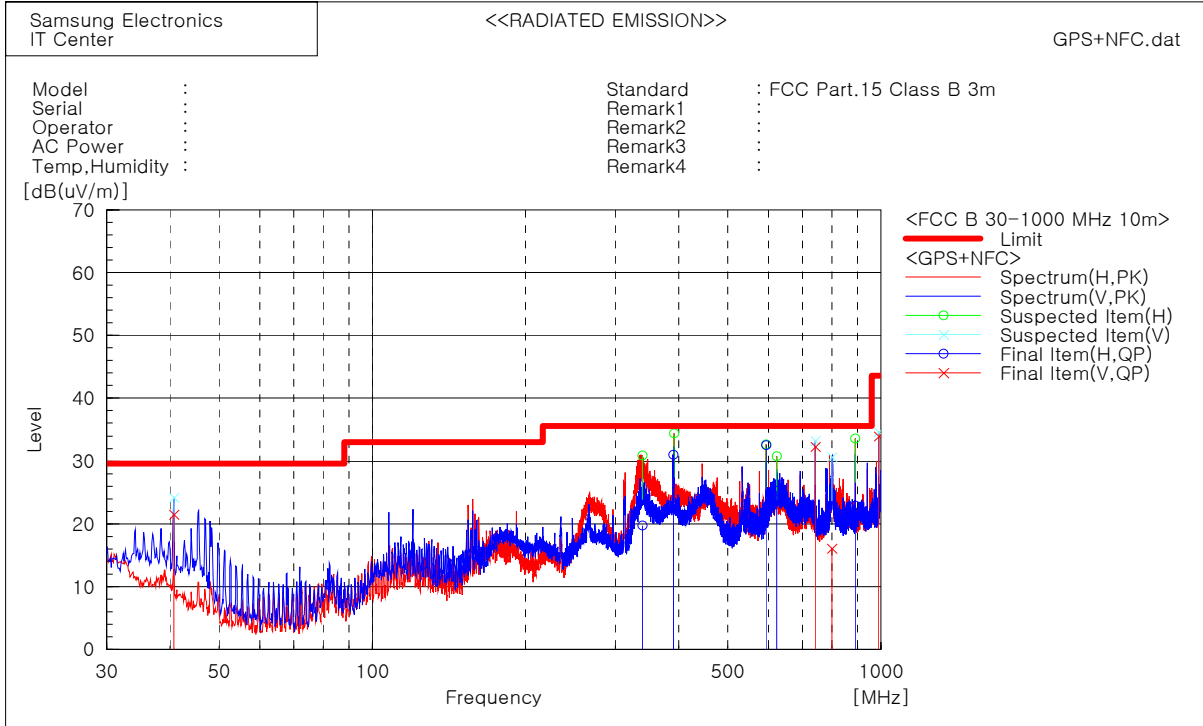
## 5.2.2 Temperature and humidity condition

<b>Test date</b>	2012-08-22	<b>Test engineer</b>	Young-Jin Kim
<b>Climate condition</b>	Ambient temperature	23.1 °C	Limit (15.0 to 35.0) °C
	Relative humidity	40.0 % R.H.	Limit (25.0 to 75.0) % R.H.
	Atmospheric pressure	100.7 kPa	Limit (86.0 to 106.0) kPa
<b>Test place</b>	Semi-Anechoic Chamber (SAC4)		

### 5.2.3 Test results

Operating Mode 1

- Frequency range: 30 ~ 1 000 MHz



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	40.690	V	45.9	-24.4	21.5	29.5	8.0	100.0	145.0	2
2	339.915	H	38.9	-19.1	19.8	35.5	15.7	400.0	230.0	1
3	390.077	H	48.4	-17.4	31.0	35.5	4.5	222.0	172.0	1
4	593.988	H	45.8	-13.3	32.5	35.5	3.0	122.0	7.0	1
5	624.368	H	37.8	-12.5	25.3	35.5	10.2	199.0	263.0	1
6	742.487	V	45.6	-13.3	32.3	35.5	3.2	216.0	260.0	2
7	801.029	V	29.0	-12.9	16.1	35.5	19.4	197.0	160.0	2
8	891.024	H	32.8	-9.9	22.9	35.5	12.6	102.0	143.0	1
9	989.992	V	45.4	-11.5	33.9	43.5	9.6	293.0	206.0	2

Note) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 10 m, Antenna Height : 1 to 4 meters

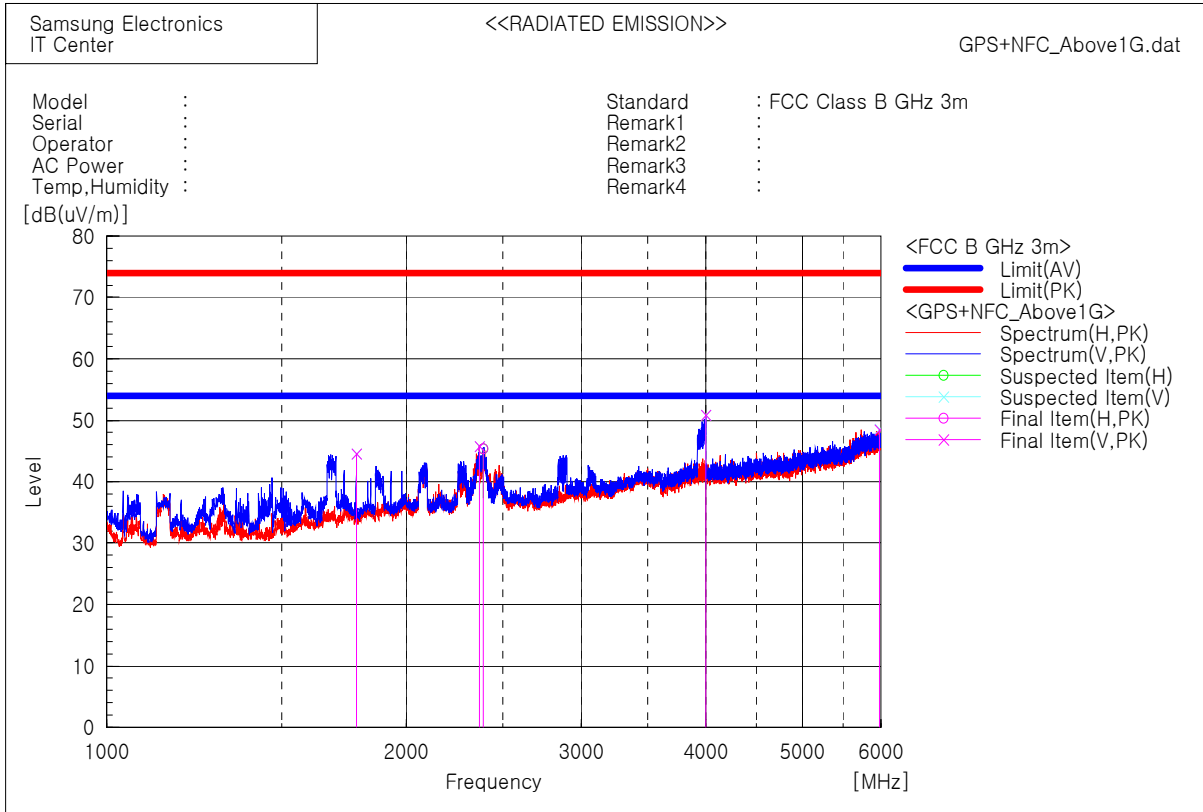
Level (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit - Level (QP)

QP = Quasi-Peak

Operating Mode 1

- Frequency range: 1 000 ~ 7 500 MHz



Final Result

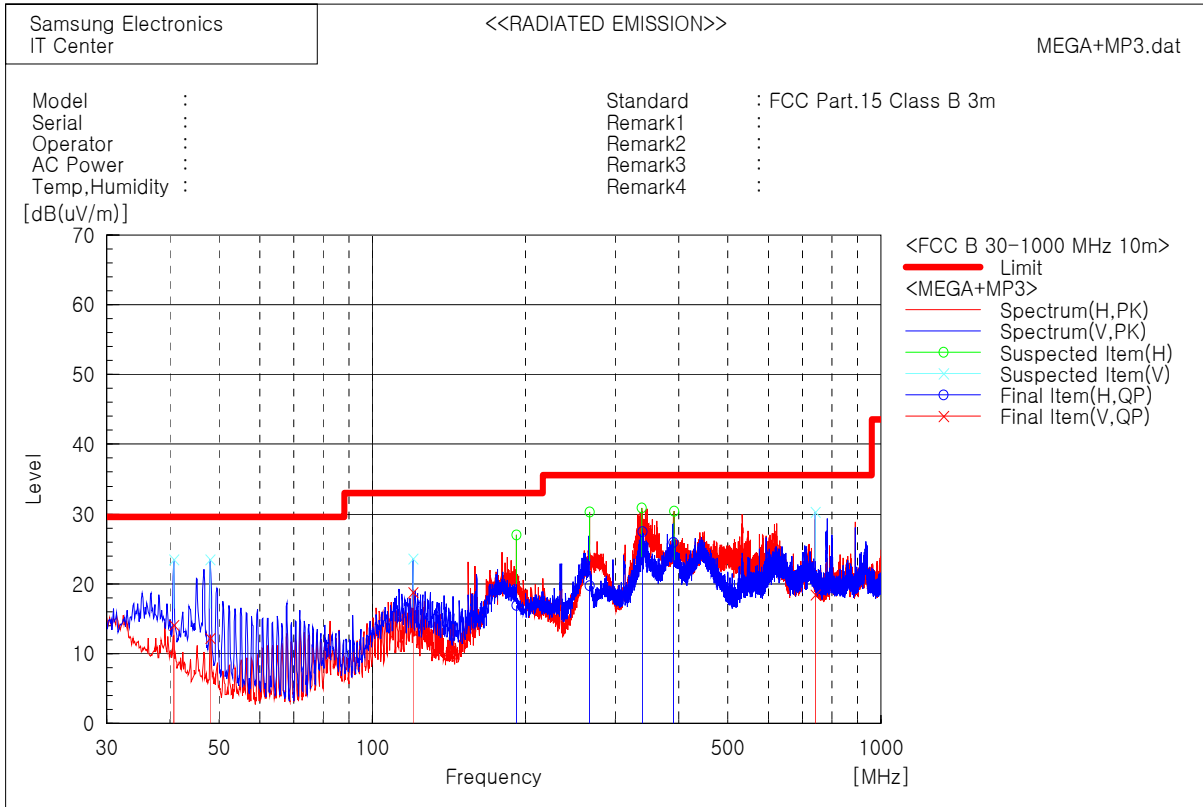
No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Height [cm]	Angle [deg]
1	1781.875	V	52.0	-7.4	44.6	74.0	29.4	100.0	122.0
2	2370.000	V	51.4	-5.6	45.8	74.0	28.2	100.0	201.0
3	2390.625	H	50.9	-5.5	45.4	74.0	28.6	100.0	265.0
4	3998.750	V	50.1	0.8	50.9	74.0	23.1	100.0	240.0
5	5975.625	V	41.3	7.2	48.5	74.0	25.5	100.0	332.0

Note 1) Representative operating modes were selected by customer and any emissions that do not exceed average limit were not tested with average detector mode. There were no emissions from 6 GHz to 7.5 GHz.

Note 2) Receiving antenna polarization : Horizontal, Vertical  
 Test Distance : 3 m, Antenna Height : 1 to 4 meters  
 Level (PK and/or AV) = Reading (PK and/or AV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain)  
 Margin (PK and/or AV) = Limit - Level (PK and/or AV)  
 PK = Peak, AV = Average

Operating Mode 2

- Frequency range: 30 ~ 1 000 MHz



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	40.670	V	38.5	-24.4	14.1	29.5	15.4	100.0	121.0	2
2	47.945	V	40.2	-28.0	12.2	29.5	17.3	100.0	113.0	2
3	119.960	V	42.8	-24.0	18.8	33.0	14.2	110.0	189.0	2
4	192.061	H	42.7	-25.8	16.9	33.0	16.1	360.0	194.0	1
5	267.177	H	40.6	-20.8	19.8	35.5	15.7	377.0	342.0	1
6	340.107	H	46.6	-19.1	27.5	35.5	8.0	306.0	60.0	1
7	390.768	H	43.4	-17.4	26.0	35.5	9.5	219.0	172.0	1
8	742.503	V	31.7	-13.3	18.4	35.5	17.1	189.0	119.0	2

Note) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 10 m, Antenna Height : 1 to 4 meters

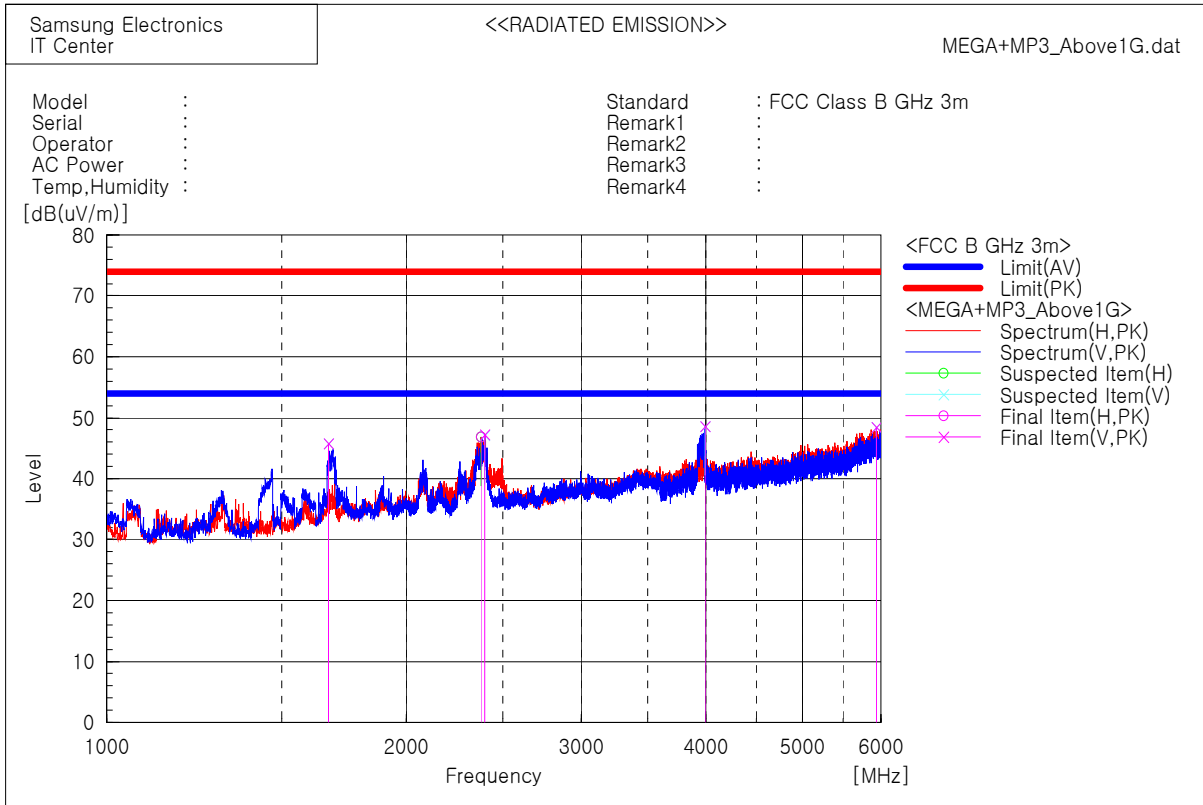
Level (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit - Level (QP)

QP = Quasi-Peak

Operating Mode 2

- Frequency range: 1 000 ~ 6 000 MHz



Final Result

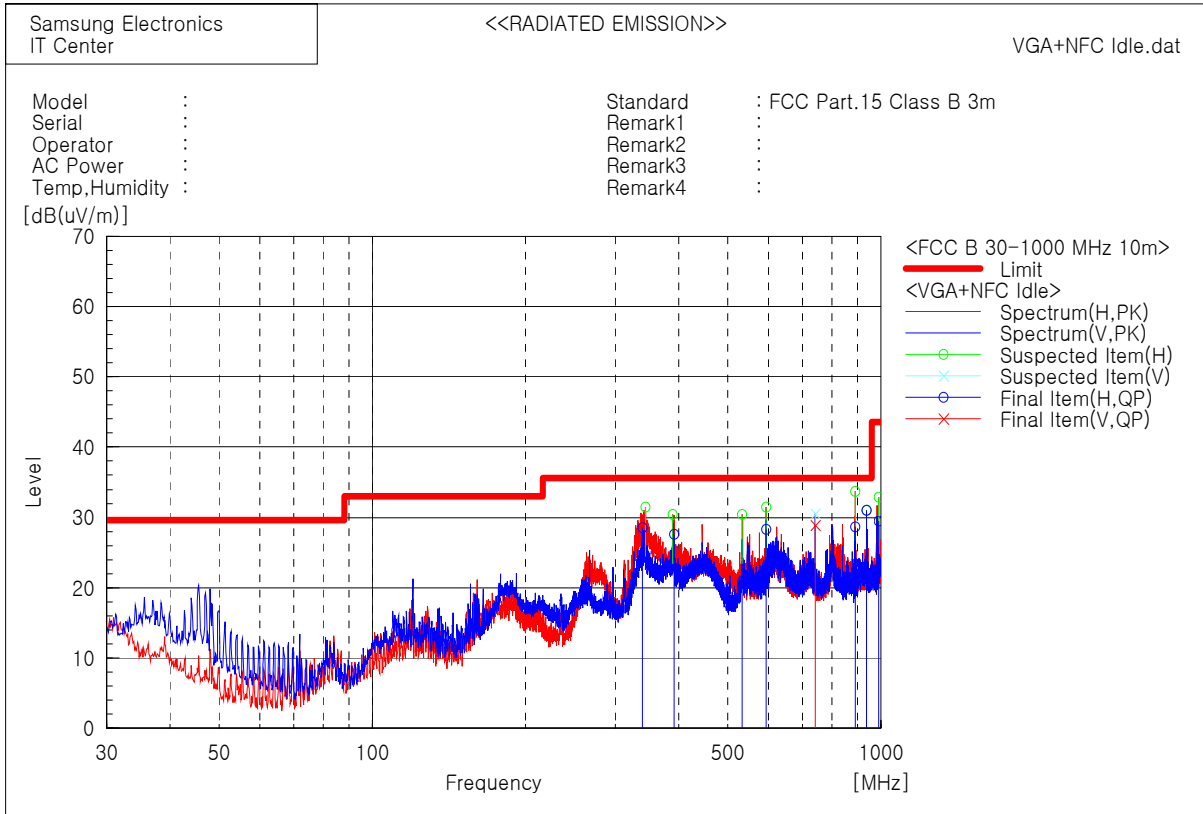
No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Height [cm]	Angle [deg]
1	1670.625	V	54.4	-8.6	45.8	74.0	28.2	100.0	179.0
2	2377.500	H	52.4	-5.6	46.8	74.0	27.2	100.0	252.0
3	2398.750	V	52.7	-5.5	47.2	74.0	26.8	100.0	94.0
4	3996.875	V	47.8	0.8	48.6	74.0	25.4	100.0	123.0
5	5940.000	V	41.6	6.9	48.5	74.0	25.5	100.0	161.0

Note 1) Representative operating modes were selected by customer and any emissions that do not exceed average limit were not tested with average detector mode. There were no emissions from 6 GHz to 7.5 GHz.

Note 2) Receiving antenna polarization : Horizontal, Vertical  
 Test Distance : 3 m, Antenna Height : 1 to 4 meters  
 Level (PK and/or AV) = Reading (PK and/or AV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain)  
 Margin (PK and/or AV) = Limit – Level (PK and/or AV)  
 PK = Peak, AV = Average

Operating Mode 3

- Frequency range: 30 ~ 1 000 MHz



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	340.079	H	47.7	-19.1	28.6	35.5	6.9	309.0	231.0	1
2	392.340	H	44.9	-17.3	27.6	35.5	7.9	176.0	352.0	1
3	533.908	H	34.3	-13.4	20.9	35.5	14.6	122.0	355.0	1
4	594.045	H	41.6	-13.3	28.3	35.5	7.2	122.0	206.0	1
5	742.503	V	42.2	-13.3	28.9	35.5	6.6	207.0	7.0	2
6	890.955	H	38.5	-9.9	28.6	35.5	6.9	102.0	148.0	1
7	936.010	H	40.5	-9.4	31.1	35.5	4.4	101.0	66.0	1
8	989.962	H	38.6	-9.1	29.5	43.5	14.0	101.0	144.0	1

Note) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 10 m, Antenna Height : 1 to 4 meters

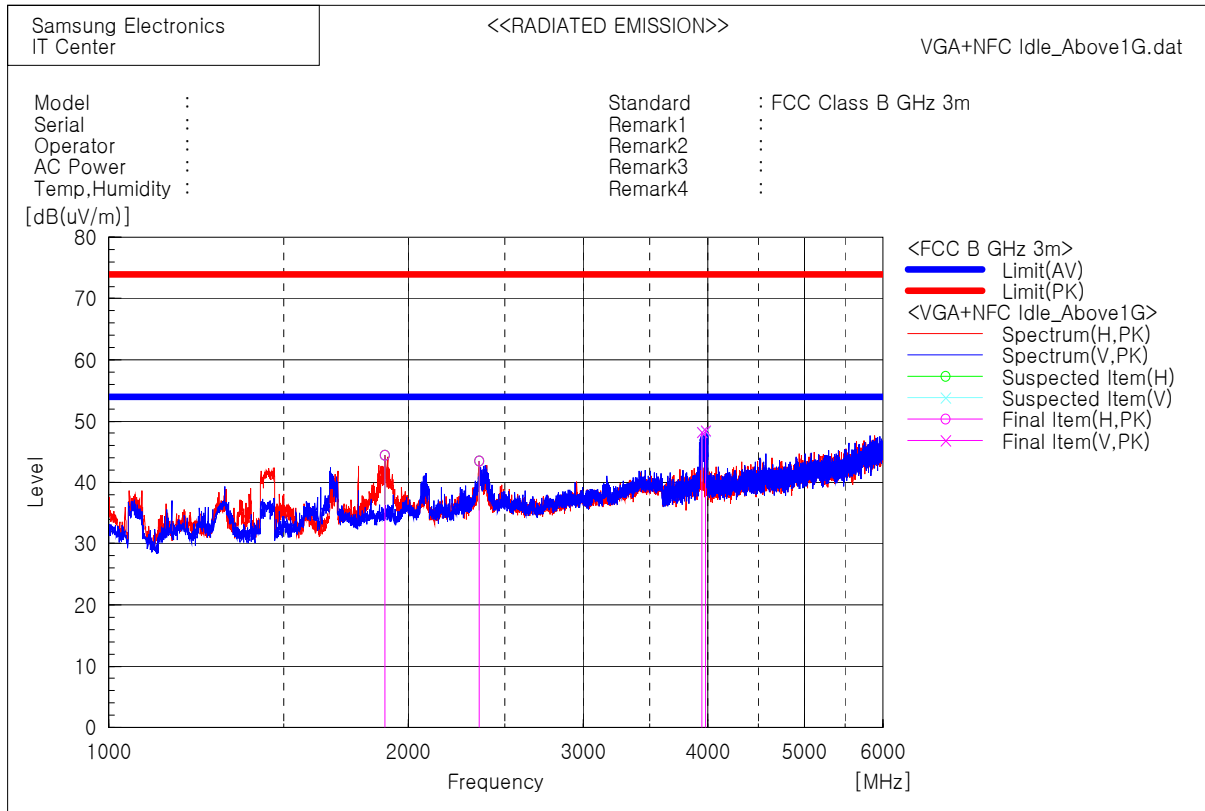
Level (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit - Level (QP)

QP = Quasi-Peak

Operating Mode 3

- Frequency range: 1 000 ~ 6 000 MHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Height [cm]	Angle [deg]
1	1895.625	H	50.6	-6.2	44.4	74.0	29.6	100.0	116.0
2	2356.250	H	49.2	-5.7	43.5	74.0	30.5	100.0	98.0
3	3947.500	V	47.4	0.8	48.2	74.0	25.8	100.0	159.0
4	3980.000	V	47.6	0.8	48.4	74.0	25.6	100.0	189.0

Note 1) Representative operating modes were selected by customer and any emissions that do not exceed average limit were not tested with average detector mode. There were no emissions from 6 GHz to 7.5 GHz.

Note 2) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 3 m, Antenna Height : 1 to 4 meters

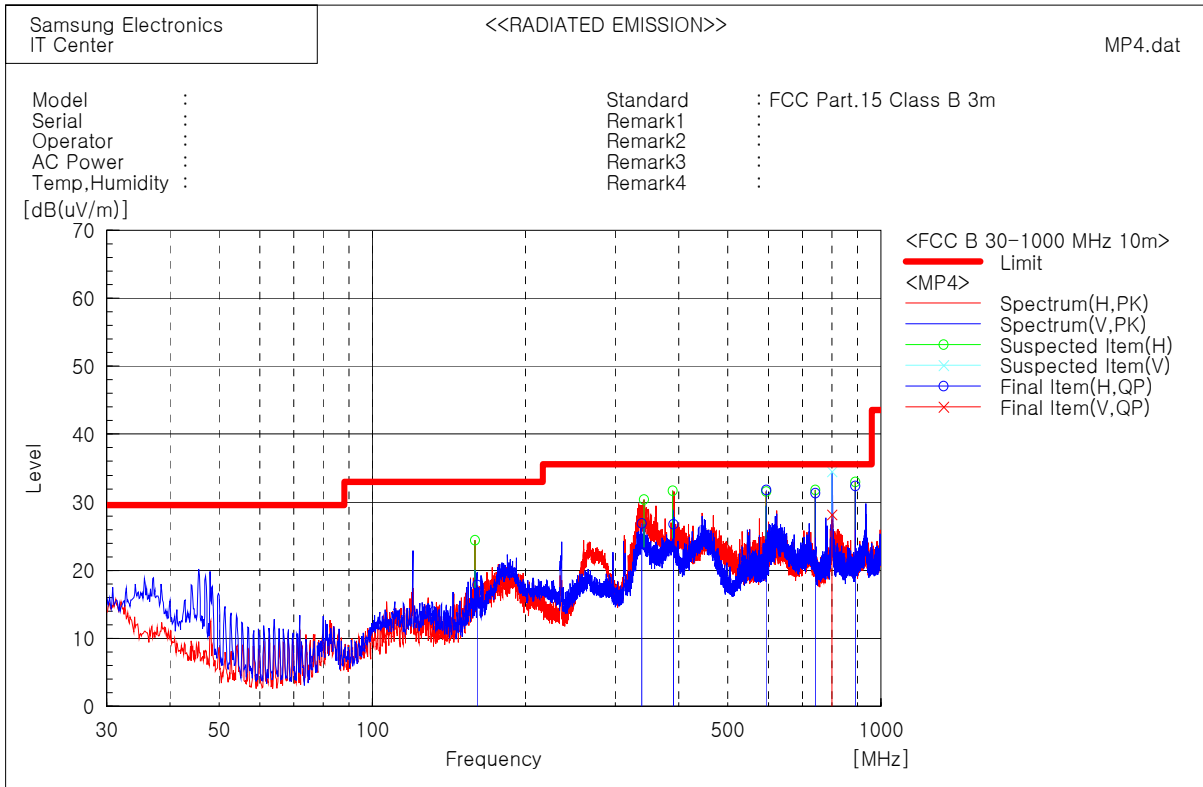
Level (PK and/or AV) = Reading (PK and/or AV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain)

Margin (PK and/or AV) = Limit - Level (PK and/or AV)

PK = Peak, AV = Average

Operating Mode 4

- Frequency range: 30 ~ 1 000 MHz



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	System
1	160.432	H	42.6	-24.8	17.8	33.0	15.2	400.0	336.0	1
2	338.729	H	46.0	-19.1	26.9	35.5	8.6	384.0	59.0	1
3	391.279	H	44.0	-17.3	26.7	35.5	8.8	198.0	172.0	1
4	594.009	H	45.2	-13.3	31.9	35.5	3.6	179.0	204.0	1
5	742.485	H	42.8	-11.4	31.4	35.5	4.1	110.0	151.0	1
6	800.885	V	41.1	-12.9	28.2	35.5	7.3	190.0	154.0	2
7	891.005	H	42.3	-9.9	32.4	35.5	3.1	102.0	253.0	1

Note) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 10 m, Antenna Height : 1 to 4 meters

Level (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit - Level (QP)

QP = Quasi-Peak

