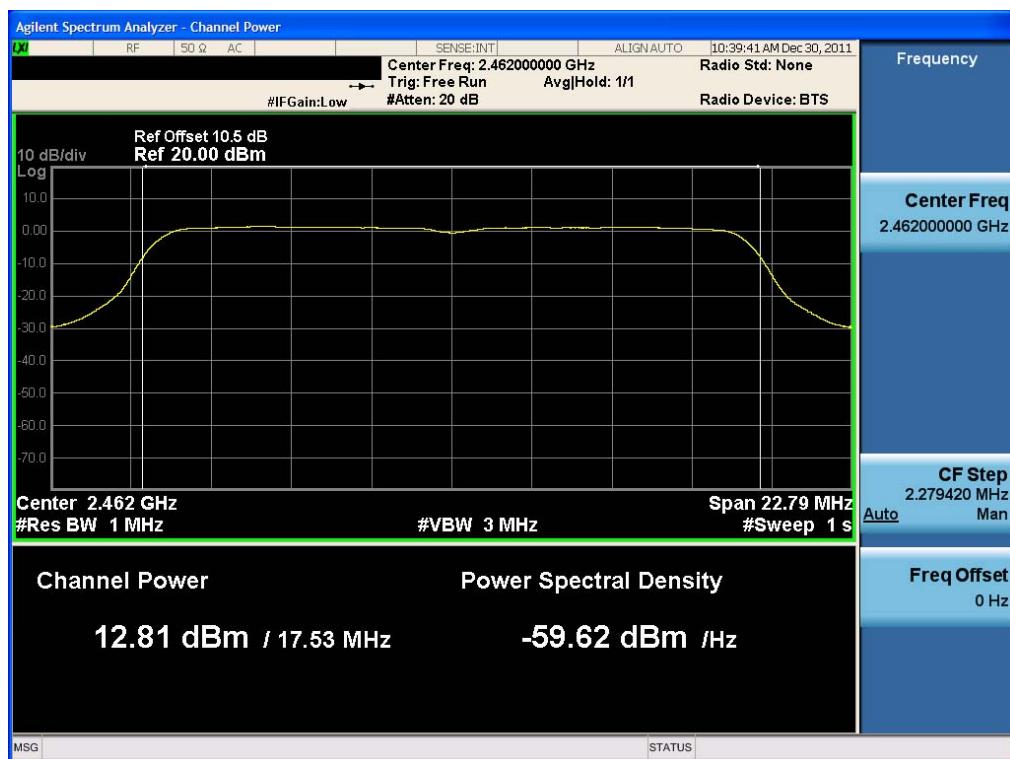
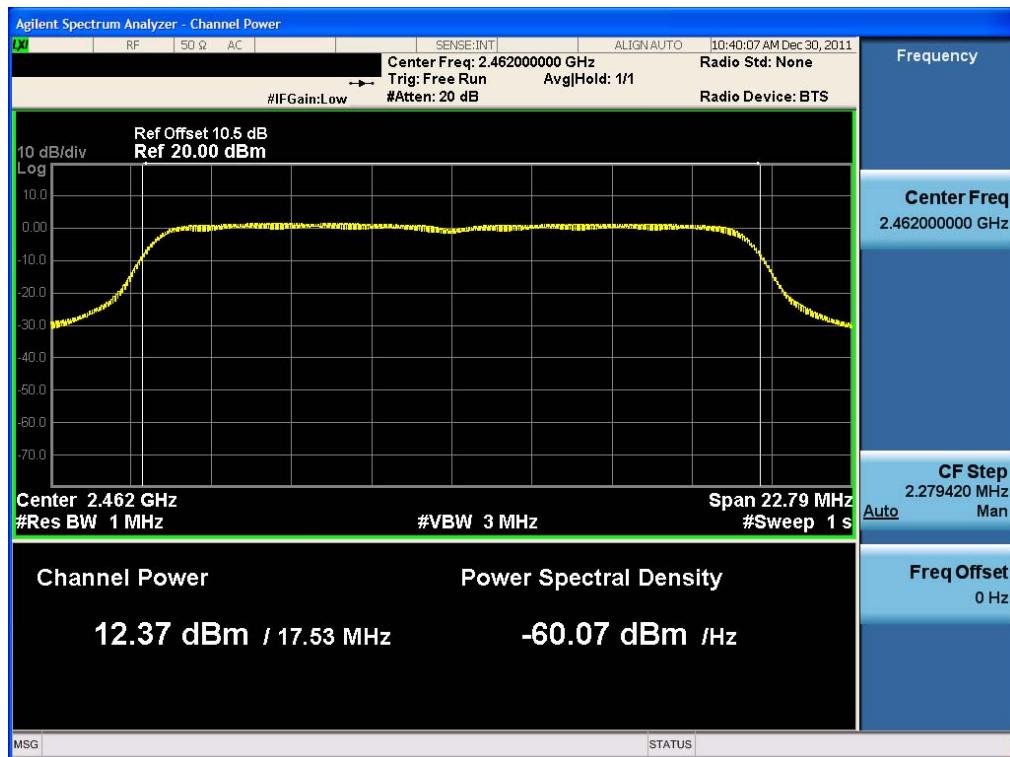


### Conducted Output Power (802.11g-CH 11) 12Mbps

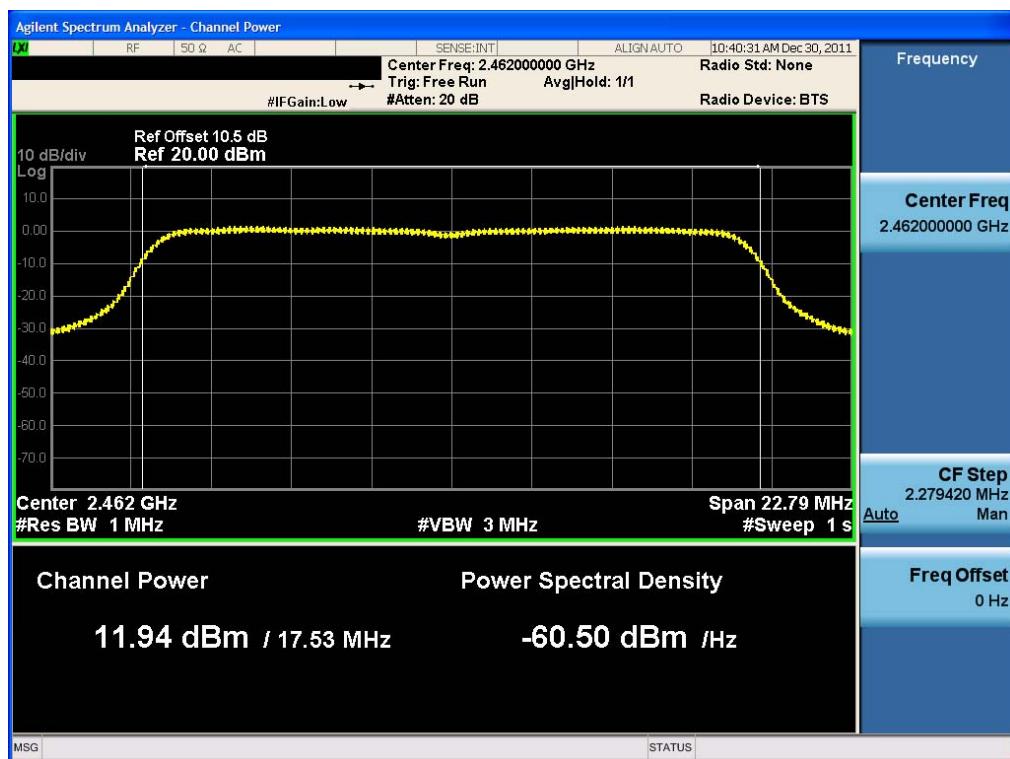


### Conducted Output Power (802.11g-CH 11) 18Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

### Conducted Output Power (802.11g-CH 11) 24Mbps

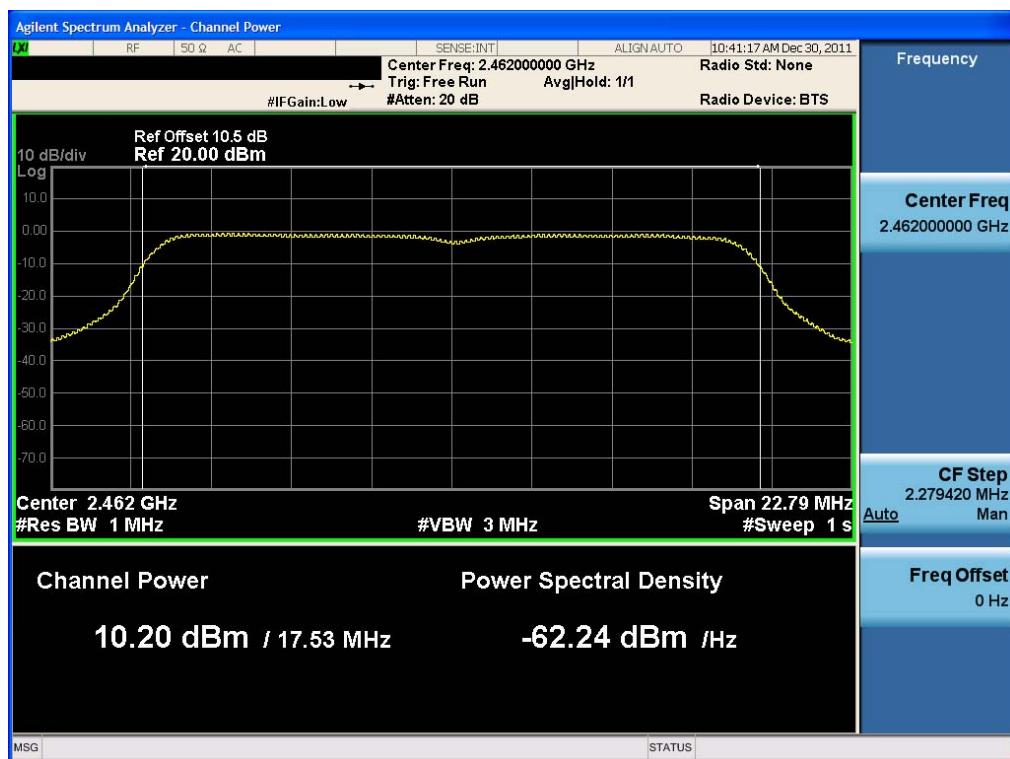


### Conducted Output Power (802.11g-CH 11) 36Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

### Conducted Output Power (802.11g-CH 11) 48Mbps



### Conducted Output Power (802.11g-CH 11) 54Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

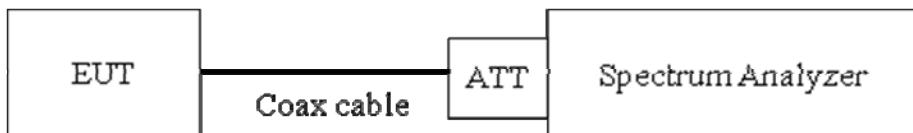
### 8.3 POWER SPECTRAL DENSITY (802.11b/g)

#### Test Requirements and limit, §15.247(e)

The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

**Minimum Standard – The transmitter power density average over 1-second interval shall not be greater than 8dBm in any 3kHz BW.**

#### ■ TEST CONFIGURATION



#### ■ TEST PROCEDURE

The spectrum analyzer is set to :

1. Span = 300 kHz
2. RBW = 3 kHz
3. VBW = 3 kHz
4. Sweep = 100 sec
5. Detector Mode = Peak

#### ■ Sample Calculation

$$\text{PSD} = \text{Spectrum Reading Value} + \text{ATT loss} + \text{Cable loss}$$

$$= -5 \text{ dBm} + 10 \text{ dB} + 0.8 \text{ dB} = 5.8 \text{ dBm}$$

Where) Spectrum offset = ATT loss + Cable loss

#### ■ TEST RESULTS

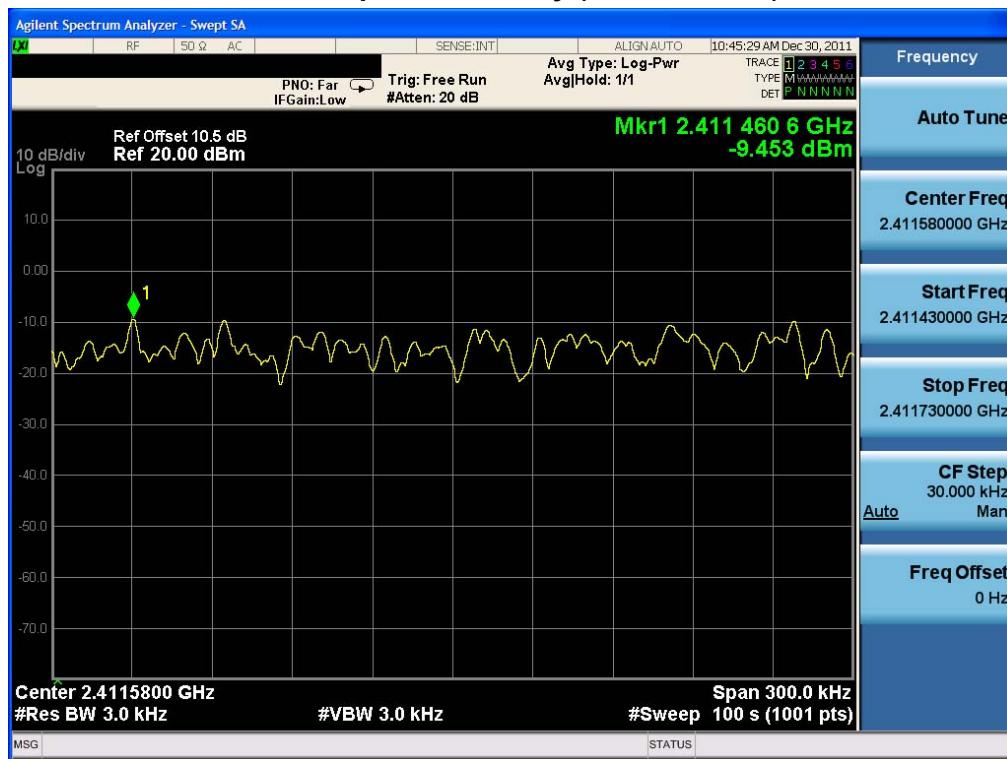
##### Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result	
			Power Density (dBm)	Pass/Fail
2412	1	802.11b	-9.453	Pass
2437	6		-10.304	Pass
2462	11		-10.236	Pass
2412	1	802.11g	-13.703	Pass
2437	6		-14.693	Pass
2462	11		-14.488	Pass

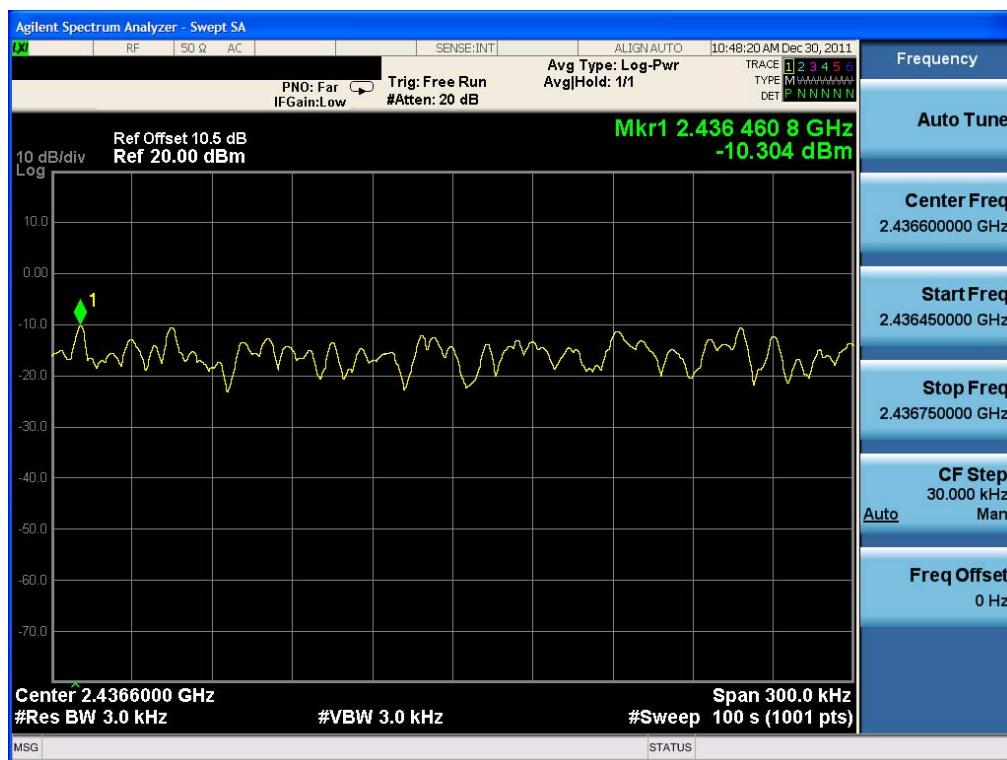
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No.	Date of Issue:	EUT Type:		
HCTR1201FR08-1	January 26, 2012	850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## RESULT PLOTS

### Power Spectral Density (802.11b-CH 1)

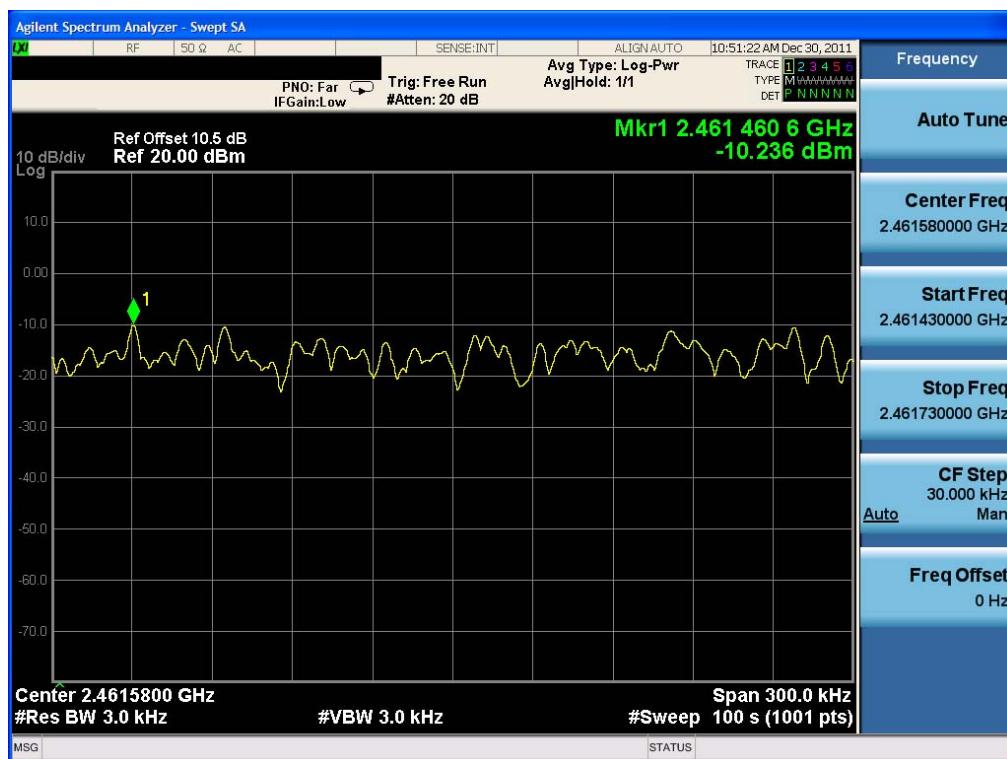


### Power Spectral Density (802.11b-CH 6)



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

### Power Spectral Density (802.11b-CH 11)



### Power Spectral Density (802.11g-CH 1)

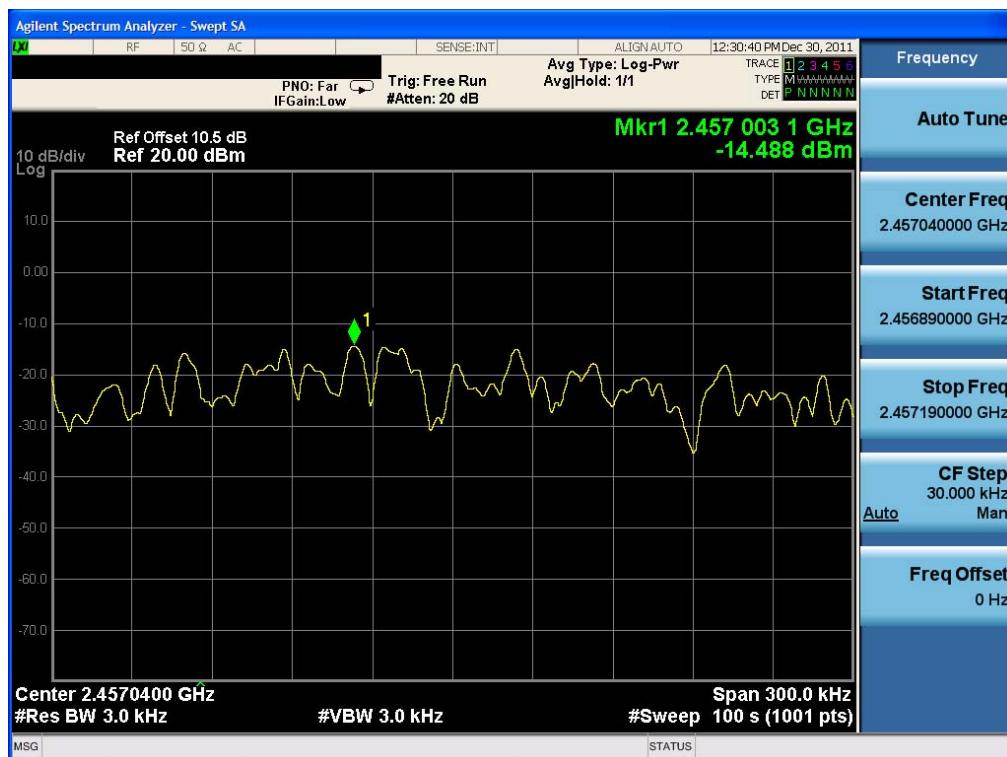


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

### Power Spectral Density (802.11g-CH 6)



### Power Spectral Density (802.11g-CH11)



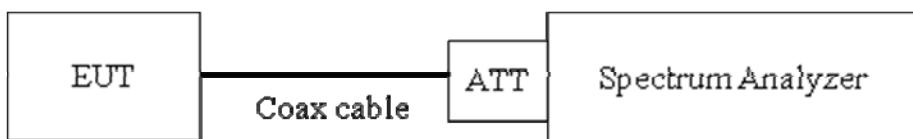
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## 8.4 OUT OF BAND EMISSIONS AT THE BAND EDGE/ CONDUCTED SPURIOUS EMISSIONS

### Test Requirements and limit, §15.247(d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in§ 15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

### █ TEST CONFIGURATION



### █ TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 100 kHz.

Detector Mode is set to a peak detector Mode.

Measurements are made over the 30 MHz to 26 GHz range with the transmitter set to the lowest, middle, and highest channels.

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:		
HCTR1201FR08-1	January 26, 2012	850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## RESULT PLOTS

### BandEdge (802.11b-CH1)

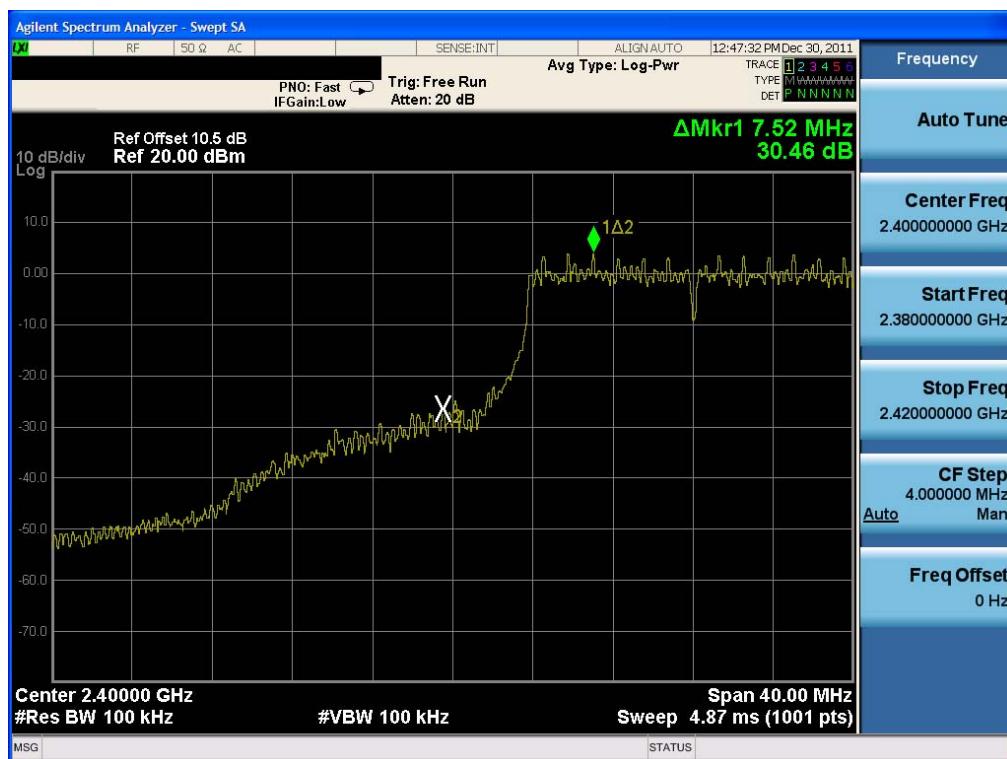


### BandEdge (802.11b-CH11)

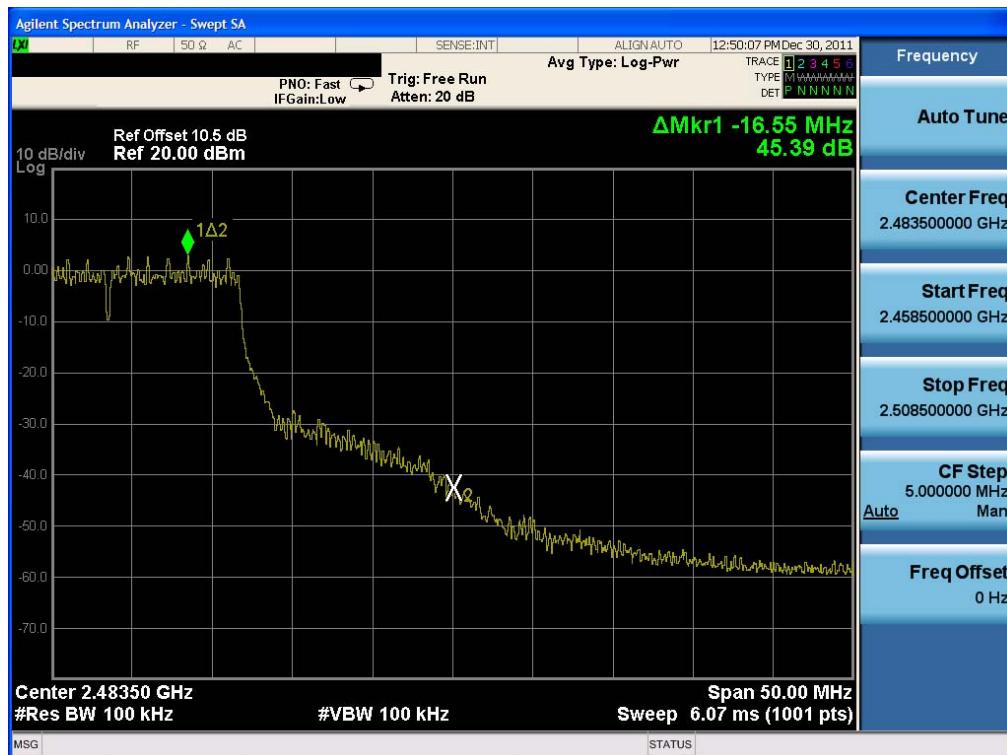


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## BandEdge (802.11g-CH1)



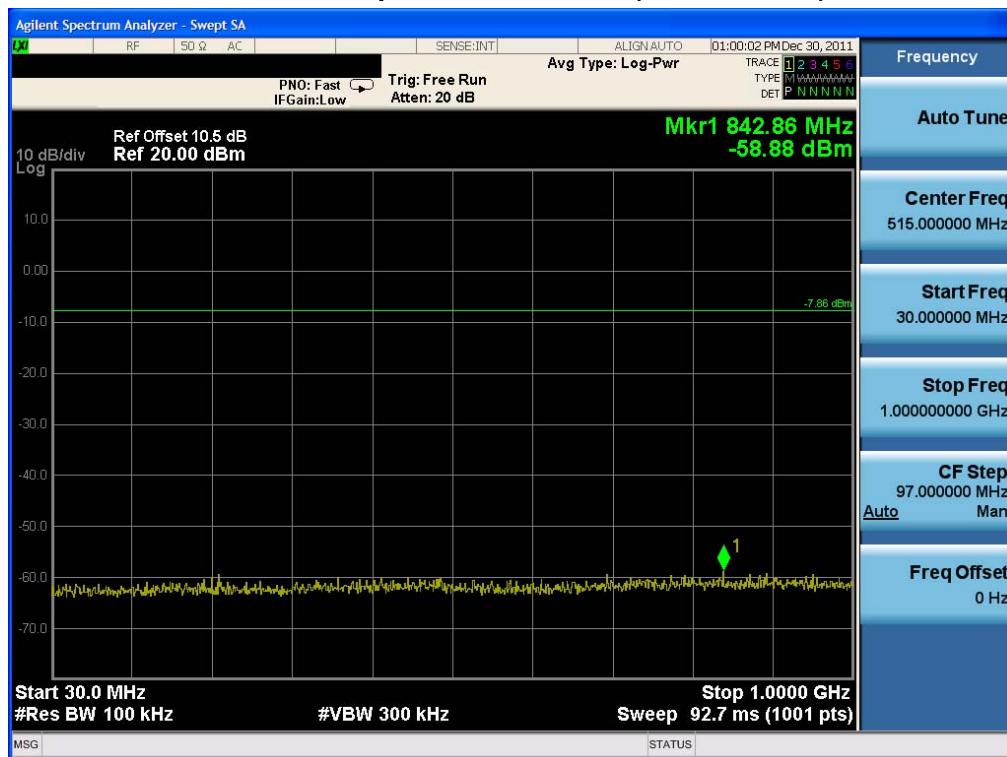
## BandEdge (802.11g-CH11)



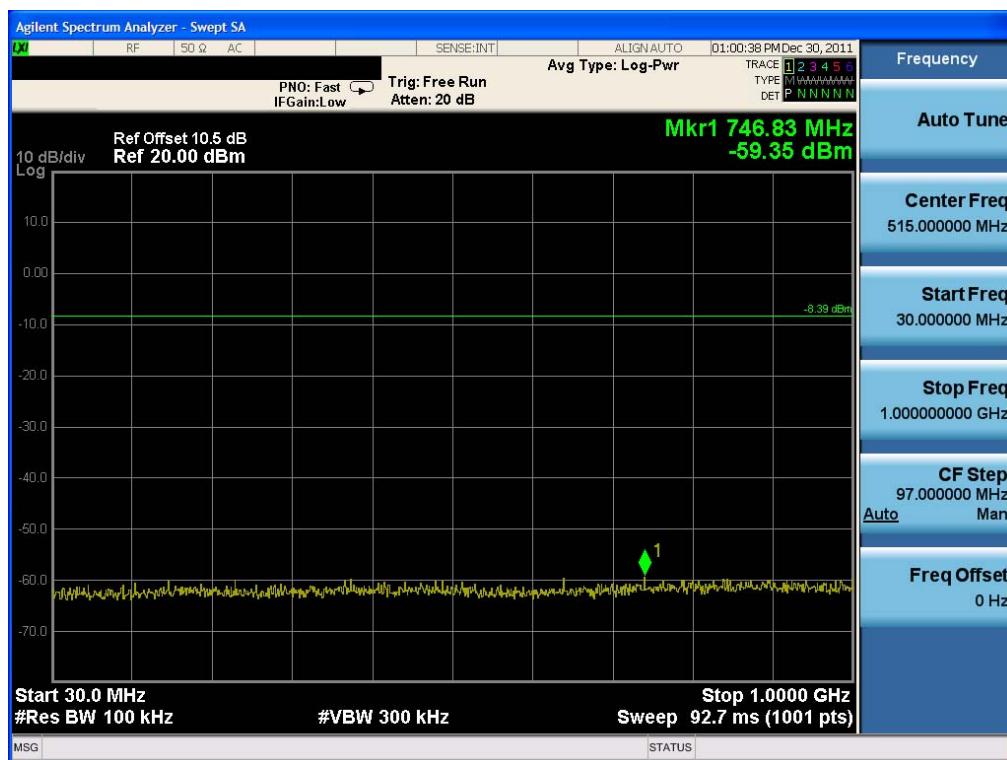
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only	FCC ID: A3LGTS3770M

30 MHz ~ 1 GHz

### Conducted Spurious Emission (802.11b-CH1)

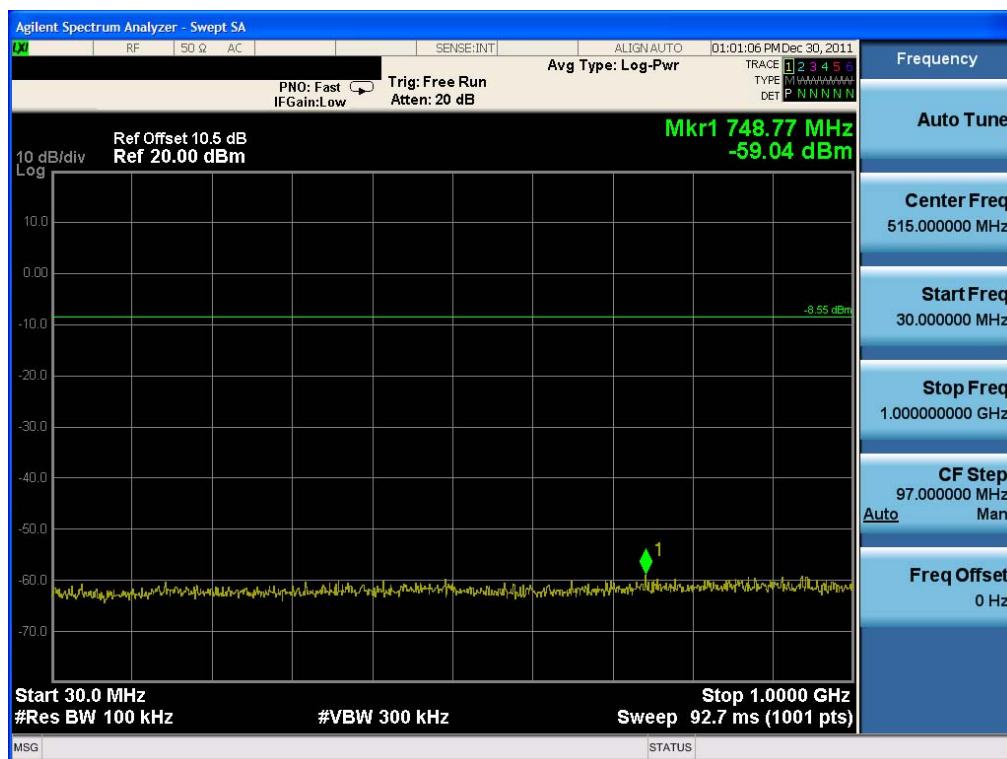


### Conducted Spurious Emission (802.11b-CH6)

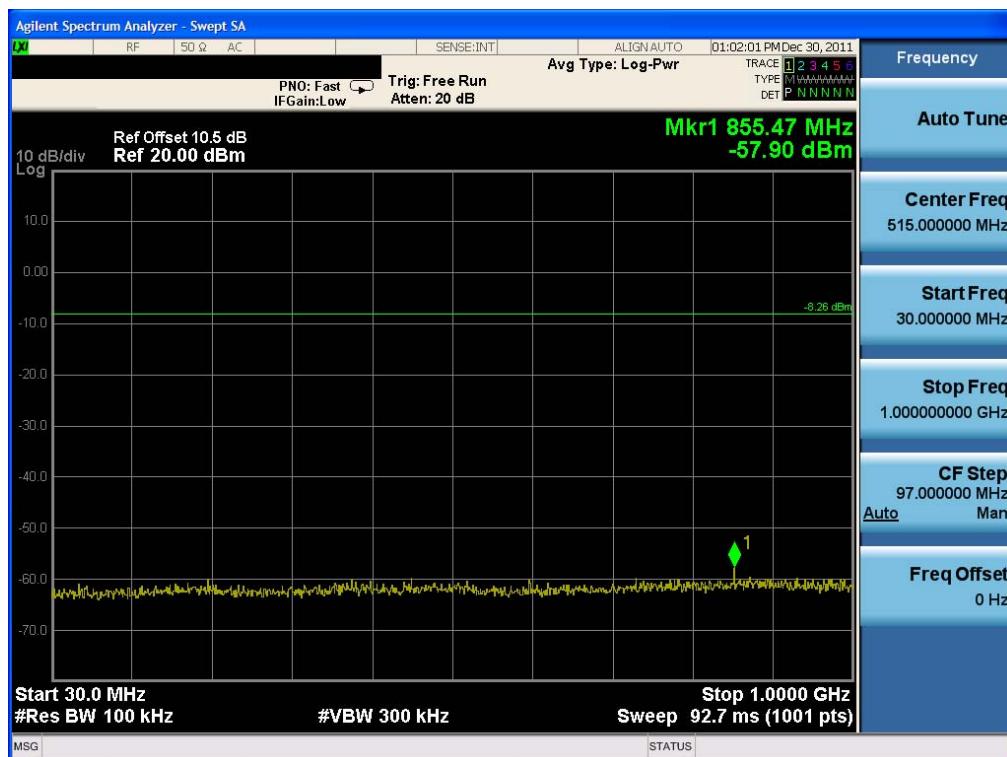


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

### Conducted Spurious Emission (802.11b-CH11)

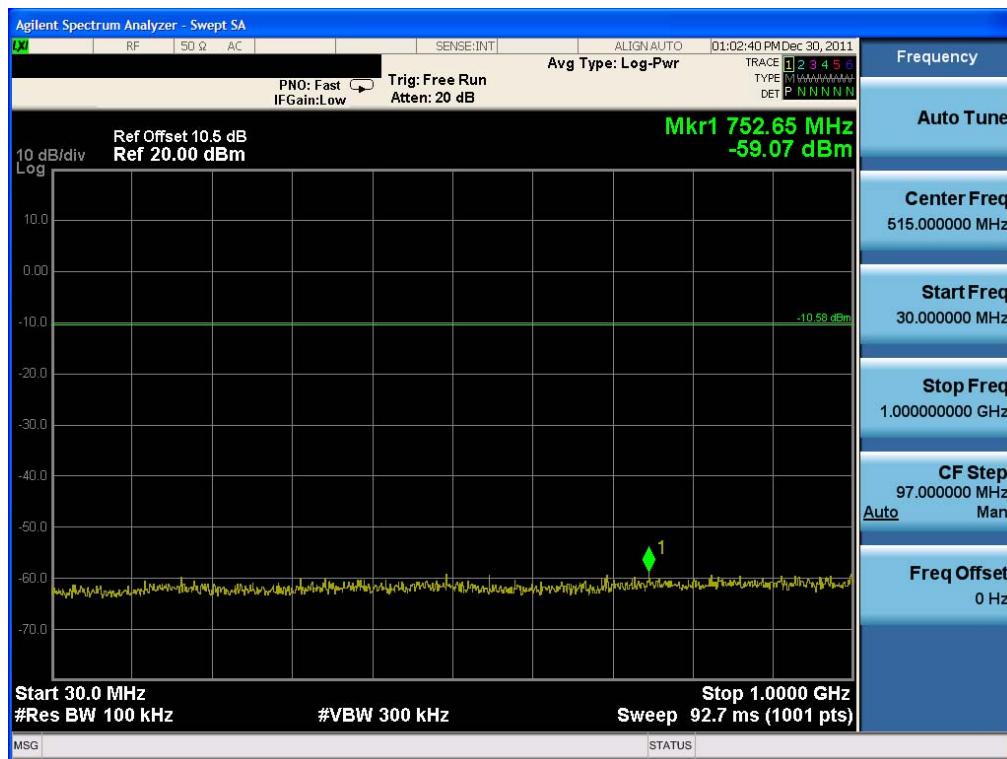


### Conducted Spurious Emission (802.11g-CH1)

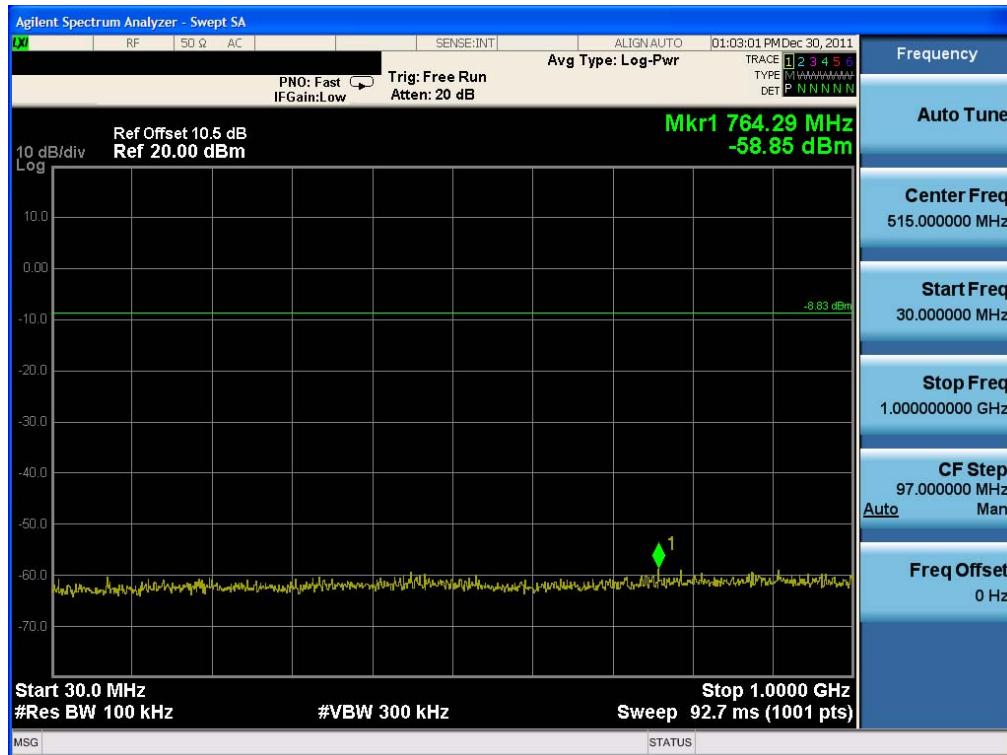


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only	FCC ID: A3LGTS3770M

### Conducted Spurious Emission (802.11g-CH6)



### Conducted Spurious Emission (802.11g-CH11)



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only	FCC ID: A3LGTS3770M

1 GHz ~ 26 GHz

### Conducted Spurious Emission (802.11b-CH1)



### Conducted Spurious Emission (802.11b-CH6)



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

### Conducted Spurious Emission (802.11b-CH11)



### Conducted Spurious Emission (802.11g-CH1)



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

### Conducted Spurious Emission (802.11g-CH6)



### Conducted Spurious Emission (802.11g-CH11)



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## 8.5 RADIATED MEASUREMENT.

### 8.5.1 RADIATED SPURIOUS EMISSIONS.

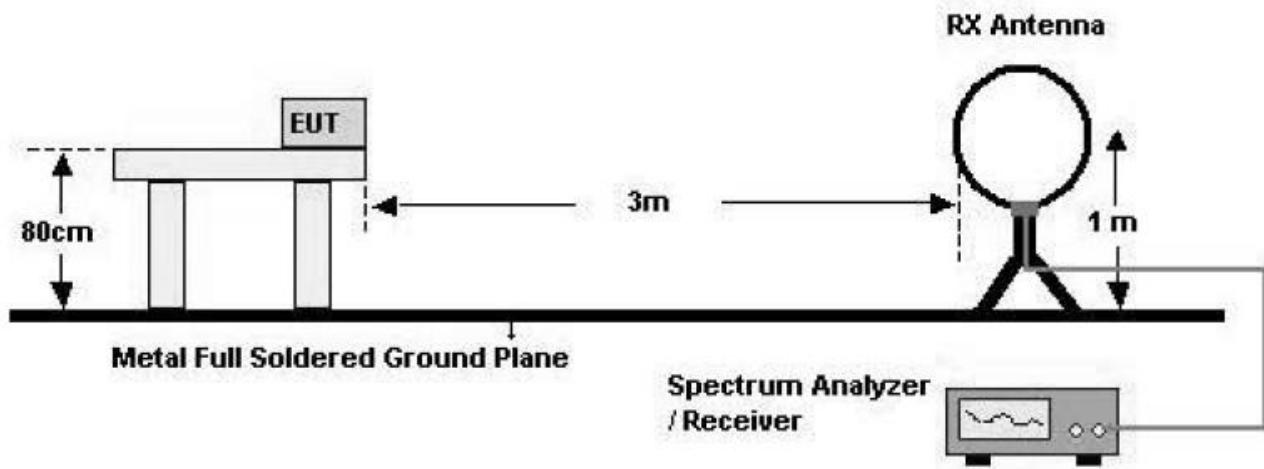
Test Requirements and limit, §15.205, §15.209

Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

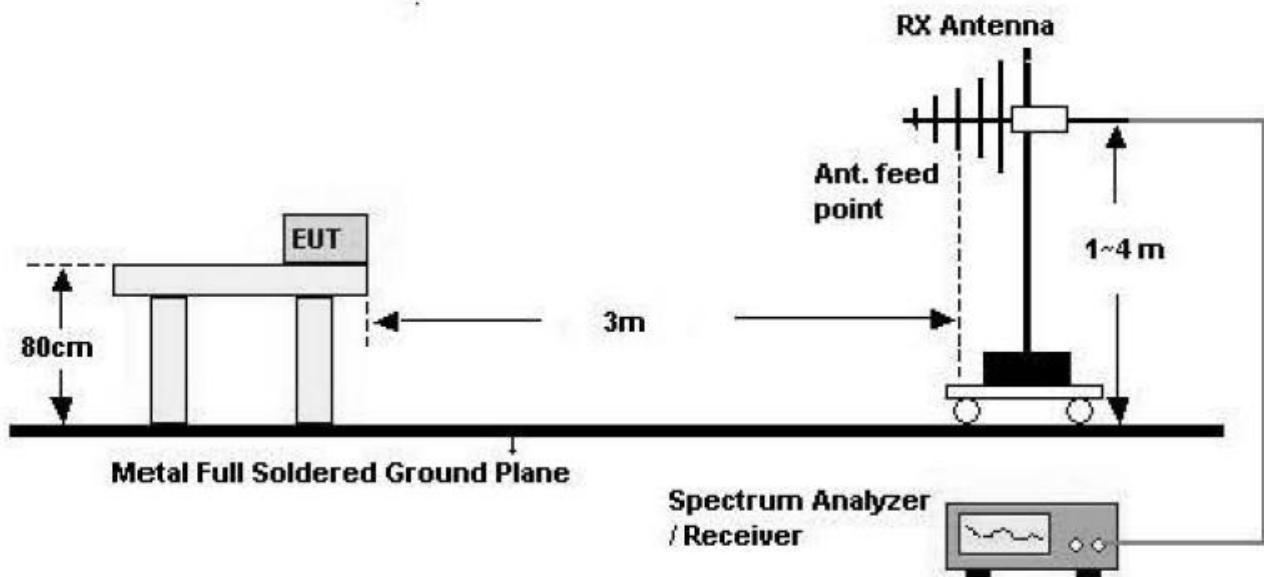
FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## Test Configuration

### Below 30 MHz

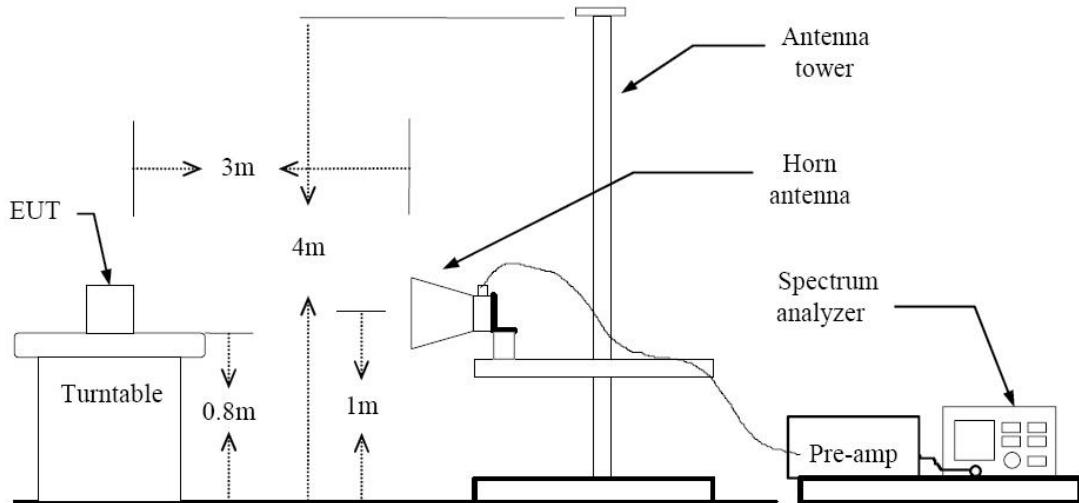


### 30 MHz - 1 GHz



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## Above 1 GHz



## TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8 m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3 m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## TEST RESULTS

### 9 kHz – 30MHz

**Operation Mode:** Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB $\mu$ V	dB /m	dB	(H/V)	dB $\mu$ V/m	dB $\mu$ V/m	dB
No Critical peaks found							

### Notes:

1. Measuring frequencies from 9 kHz to the 30MHz.
2. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
3. Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB)
4. Limit line = specific Limits (dB $\mu$ V) + Distance extrapolation factor

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:			FCC ID:
HCTR1201FR08-1	January 26, 2012	850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only			A3LGTS3770M

## TEST RESULTS

### Below 1 GHz

**Operation Mode:** Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB $\mu$ N	dB /m	dB	(H/V)	dB $\mu$ N/m	dB $\mu$ N/m	dB
No Critical peaks found							

**Notes:**

1. Measuring frequencies from 30 MHz to the 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only			FCC ID: A3LGTS3770M

**Above 1 GHz**

Operation Mode:	802.11 b
Transfer Rate:	1 Mbps
Operating Frequency	2412
Channel No.	01 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4824	55.26	-0.10	V	55.16	74	18.84	PK
4824	49.46	-0.10	V	49.36	54	4.64	AV
7236	49.62	10.13	V	59.75	74	14.25	PK
7236	37.53	10.13	V	47.66	54	6.34	AV
4824	54.14	-0.10	H	54.04	74	19.96	PK
4824	47.10	-0.10	H	47.00	54	7.00	AV
7236	49.57	10.13	H	59.70	74	14.30	PK
7236	38.80	10.13	H	48.93	54	5.07	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Spectrum setting:
  - a. Peak Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 1 MHz.
  - b. AV Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 10 Hz.
5. We have done 802.11b/g/n mode test. Worst case of EUT is 1 Mbps in 802.11b.

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

Operation Mode:	802.11 b
Transfer Rate:	1 Mbps
Operating Frequency	2437
Channel No.	06 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4874	55.17	0.13	V	55.30	74	18.70	PK
4874	49.05	0.13	V	49.18	54	4.82	AV
7311	49.45	10.01	V	59.46	74	14.54	PK
7311	37.01	10.01	V	47.02	54	6.98	AV
4874	55.16	0.13	H	55.29	74	18.71	PK
4874	47.97	0.13	H	48.10	54	5.90	AV
7311	49.99	10.01	H	60.00	74	14.00	PK
7311	37.65	10.01	H	47.66	54	6.34	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Spectrum setting:
  - a. Peak Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 1 MHz.
  - b. AV Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 10 Hz.
5. We have done 802.11b/g/n mode test. Worst case of EUT is 1 Mbps in 802.11b.

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only			FCC ID: A3LGTS3770M

Operation Mode:	802.11 b
Transfer Rate:	1 Mbps
Operating Frequency	2462
Channel No.	11 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4924	55.59	0.45	V	56.04	74	17.96	PK
4924	49.93	0.45	V	50.38	54	3.62	AV
7386	49.57	10.17	V	59.74	74	14.26	PK
7386	36.03	10.17	V	46.20	54	7.80	AV
4924	54.18	0.45	H	54.63	74	19.37	PK
4924	47.59	0.45	H	48.04	54	5.96	AV
7386	49.44	10.17	H	59.61	74	14.39	PK
7386	37.78	10.17	H	47.95	54	6.05	AV

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Spectrum setting:
  - a. Peak Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 1 MH.
  - b. AV Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 10 Hz.
5. We have done 802.11b/g/n mode test. Worst case of EUT is 1 Mbps in 802.11b.

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only			FCC ID: A3LGTS3770M

## 8.5.2 RADIATED RESTRICTED BAND EDGE MEASUREMENTS

### Test Requirements and limit, §15.247(d) §15.205, §15.209

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (See section 15.205(c)).

Operation Mode:	802.11 b
Transfer Rate:	6 Mbps
Operating Frequency	2412 MHz, 2462 MHz
Channel No.	01 Ch, 11 Ch

Frequency [MHz]	Reading dBuV	AN.+CL [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2390.0	34.45	33.86	H	68.31	74	5.69	PK
2390.0	14.63	33.86	H	48.49	54	5.51	AV
2390.0	30.61	33.86	V	64.47	74	9.53	PK
2390.0	13.00	33.86	V	46.86	54	7.14	AV
2483.5	36.76	34.02	H	70.78	74	3.22	PK
2483.5	14.52	34.02	H	48.54	54	5.46	AV
2483.5	30.62	34.02	V	64.64	74	9.36	PK
2483.5	12.21	34.02	V	46.23	54	7.77	AV

### Notes:

1. Spectrum setting:
  - a. Peak Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 1 MHz.
  - b. AV Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 10 Hz.
2. We have done 802.11b/g/n mode test. . Worst case of EUT is 6 Mbps in 802.11b.

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## 8.6 POWERLINE CONDUCTED EMISSIONS

### Test Requirements and limit, §15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dB $\mu$ V)	
	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

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

### Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

### TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference groundplane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.
5. We are performed the AC Power Line Conducted Emission test for 24 Mbps, Ch.1 and 802.11g.

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:		
HCTR1201FR08-1	January 26, 2012	850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

## ■ RESULT PLOTS

### Conducted Emissions (Line 1)

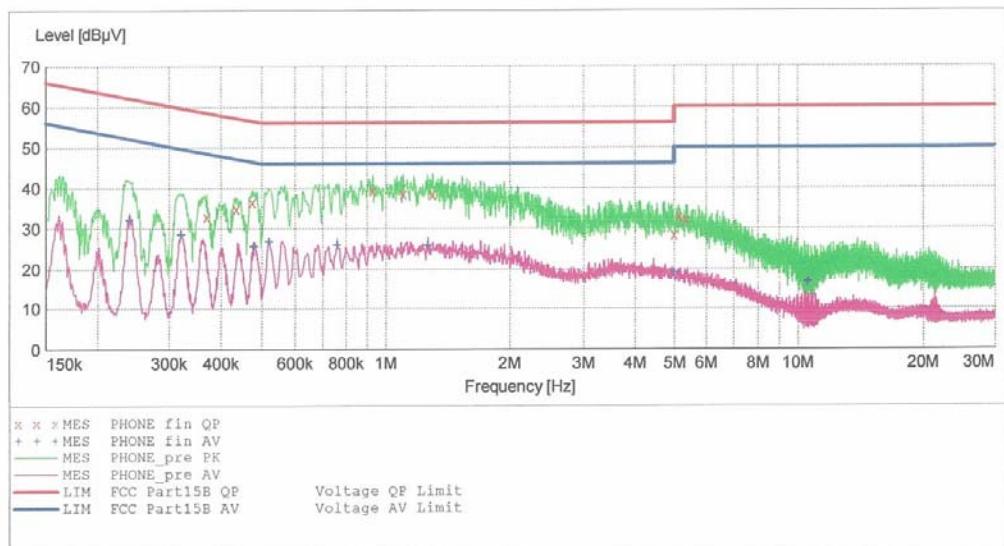
**HCT**

**EMC**

EUT: GT-S3770M  
 Manufacturer: SAMSUNG  
 Operating Condition: WLAN MODE  
 Test Site: SHIELD ROOM  
 Operator: JS LEE  
 Test Specification: FCC PART15 CLASS B  
 Comment: H

**SCAN TABLE: "FCC PART 15 B(H)"**

FCC PART 15 CLASS B					
Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Transducer
150.0 kHz	500.0 kHz	1.0 kHz	MaxPeak	10.0 ms	9 kHz None
500.0 kHz	5.0 MHz	4.0 kHz	Average	10.0 ms	9 kHz None
5.0 MHz	30.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz None
			Average		



**MEASUREMENT RESULT: "PHONE fin QP"**

1/2/2012 11:07AM	Frequency	Level	Transd	Limit	Margin	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB		
	0.369010	33.00	10.1	59	25.6	---	---
	0.435010	34.90	10.1	57	22.3	---	---
	0.475010	36.60	10.1	56	19.8	---	---
	0.932000	39.40	10.1	56	16.6	---	---
	1.108000	38.60	10.1	56	17.4	---	---
	1.308000	38.40	10.2	56	17.6	---	---
	5.000000	28.40	10.5	56	27.6	---	---
	5.144000	33.00	10.5	60	27.0	---	---
	5.348000	32.00	10.6	60	28.0	---	---

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No.	Date of Issue:	EUT Type:		
HCTR1201FR08-1	January 26, 2012	850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

**MEASUREMENT RESULT: "PHONE\_fin AV"**

1/2/2012 11:07AM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Line dB	PE
0.240010	32.10	10.1	52	20.0	---	---
0.320010	28.60	10.1	50	21.1	---	---
0.479010	25.60	10.1	46	20.8	---	---
0.520000	26.70	10.1	46	19.3	---	---
0.760000	25.80	10.1	46	20.2	---	---
1.272000	25.70	10.2	46	20.3	---	---
5.000000	19.00	10.5	46	27.0	---	---
10.572000	16.40	11.0	50	33.6	---	---
10.612000	16.70	11.0	50	33.3	---	---

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only			FCC ID: A3LGTS3770M

## Conducted Emissions (Line 2)

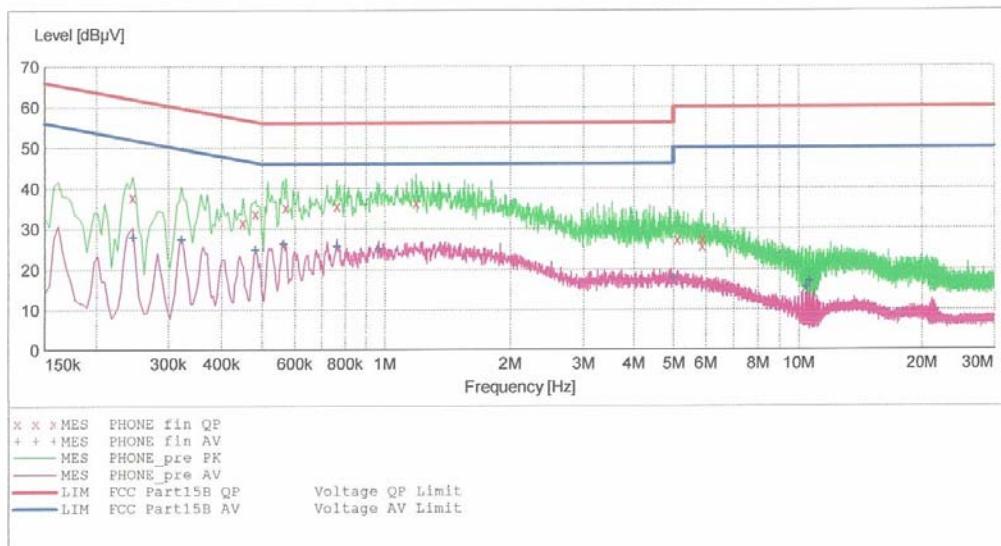
**HCT**

**EMC**

**EUT:** GT-S3770M  
**Manufacturer:** SAMSUNG  
**Operating Condition:** WLAN MODE  
**Test Site:** SHIELD ROOM  
**Operator:** JS LEE  
**Test Specification:** FCC PART15 CLASS B  
**Comment:** N

**SCAN TABLE: "FCC PART 15 B(N)"**

FCC PART 15 CLASS B						
Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer
150.0 kHz	500.0 kHz	4.0 kHz	MaxPeak Average	10.0 ms	9 kHz	None
500.0 kHz	5.0 MHz	4.0 kHz	MaxPeak Average	10.0 ms	9 kHz	None
5.0 MHz	30.0 MHz	4.0 kHz	MaxPeak Average	10.0 ms	9 kHz	None



**MEASUREMENT RESULT: "PHONE\_fin QP"**

1/2/2012 11:11AM	Frequency	Level	Transd	Limit	Margin	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB		
	0.246010	37.90	10.3	62	24.0	---	---
	0.450010	31.60	10.3	57	25.3	---	---
	0.482010	33.80	10.3	56	22.5	---	---
	0.572000	35.30	10.3	56	20.7	---	---
	0.764000	35.60	10.4	56	20.4	---	---
	1.192000	36.40	10.4	56	19.6	---	---
	5.136000	27.30	10.7	60	32.7	---	---
	5.880000	27.40	10.8	60	32.6	---	---
	5.892000	25.70	10.8	60	34.3	---	---

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No.	Date of Issue:	EUT Type:		
HCTR1201FR08-1	January 26, 2012	850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M

**MEASUREMENT RESULT: "PHONE\_fin AV"**

1/2/2012 11:11AM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Line ---	PE ---
0.246010	27.90	10.3	52	24.0	---	---
0.322010	27.40	10.3	50	22.3	---	---
0.482010	24.80	10.3	46	21.5	---	---
0.564000	26.20	10.3	46	19.8	---	---
0.764000	25.70	10.4	46	20.3	---	---
0.968000	25.00	10.4	46	21.0	---	---
5.000000	17.80	10.7	46	28.2	---	---
10.412000	15.50	11.1	50	34.5	---	---
10.612000	17.00	11.1	50	33.0	---	---

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only			FCC ID: A3LGTS3770M

## 9. LIST OF TEST EQUIPMENT

Manufacturer	Model / Equipment	Calibration Interval	Calibration Due	Serial No.
Rohde & Schwarz	ESH2-Z5/ LISN	Annual	02/01/2012	861741/013
Schwarzbeck	VULB 9168/ TRILOG Antenna	Biennial	02/09/2013	200
Rohde & Schwarz	ESI 40 / EMI TEST RECEIVER	Annual	05/26/2012	831564103
Agilent	E4440A/ Spectrum Analyzer	Annual	05/02/2012	US45303008
Agilent	N9020A/ SIGNAL ANALYZER	Annual	09/23/2012	MY51110020
HD	MA240/ Antenna Position Tower	N/A	N/A	556
EMCO	1050/ Turn Table	N/A	N/A	114
HD GmbH	HD 100/ Controller	N/A	N/A	13
HD GmbH	KMS 560/ SlideBar	N/A	N/A	12
Rohde & Schwarz	ESH3-Z2/ PULSE LIMITER	Annual	08/01/2012	375.8810.352
Rohde & Schwarz	SCU-18/ Signal Conditioning Unit	Annual	09/19/2012	10094
MITEQ	AFS44-00102650-42-10P-44-PS/ POWER AMP	Annual	09/23/2012	1532439
Schwarzbeck	BBHA 9120D/ Horn Antenna	Biennial	10/17/2013	937
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	Biennial	10/26/2012	BBHA9170342
Rohde & Schwarz	FSP / Spectrum Analyzer	Annual	03/23/2012	839117/011
Agilent	E4440A / Spectrum Analyzer	Annual	05/02/2012	US45303008
Agilent	E4416A /Power Meter	Annual	11/07/2012	GB41291412
Agilent	E9327A /POWER SENSOR	Annual	05/02/2012	MY4442009
Wainwright Instrument	WHF3.3/18G-10EF / High Pass Filter	Annual	05/02/2012	1
Wainwright Instrument	WRCJ2400/2483.5-2370/2520-60/14SS / Band Reject Filter	Annual	05/02/2012	1
Hewlett Packard	11636B/Power Divider	Annual	11/07/2012	11377
Hewlett Packard	11667B / Power Splitter	Annual	11/04/2012	10126
DIGITAL	EP-3010 /DC POWER SUPPLY	Annual	01/04/2012	3110117
ITECH	IT6720 / DC POWER SUPPLY	Annual	11/07/2012	010002156287001199
TESCOM	TC-3000C / BLUETOOTH TESTER	Annual	04/01/2012	3000C000276
Rohde & Schwarz	CBT / BLUETOOTH TESTER	Annual	05/02/2012	100422
EMCO	6502 LOOP ANTENNA	Biennial	01/13/2012	9009-2536
MITEQ	AMF-6D-001180-35-20P/ POWER AMP	Annual	12/26/2012	990893
Agilent	8493C / Attenuator(10 dB)	Annual	09/23/2012	76649

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			<a href="http://www.hct.co.kr">www.hct.co.kr</a>
Test Report No. HCTR1201FR08-1	Date of Issue: January 26, 2012	EUT Type: 850/1900 GSM/GPRS/WCDMA Phone with Bluetooth, WLAN and EDGE Rx Only		FCC ID: A3LGTS3770M