

## Appendix B

RF power output conducted

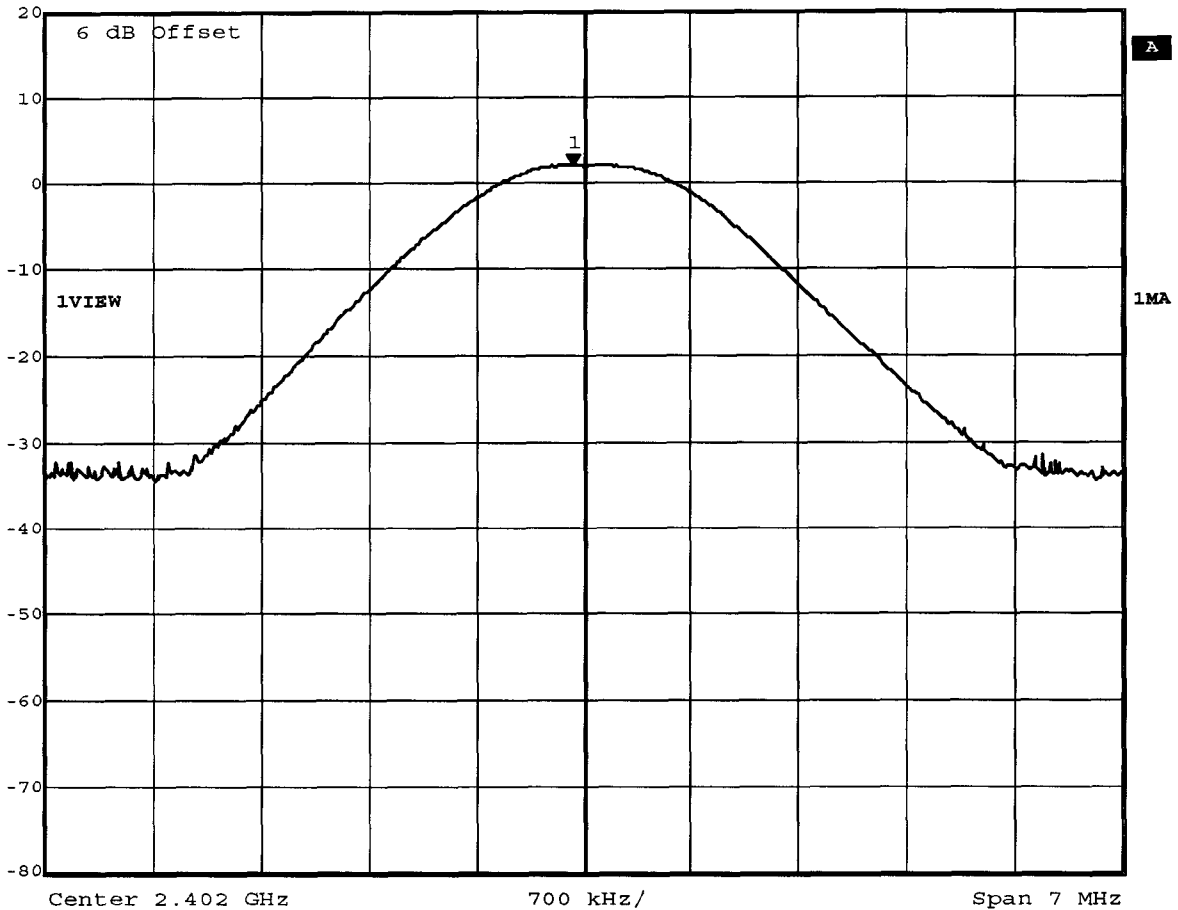
FCC part 15.247

Peak output power conducted

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP § GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Marker 1 [T1]	RBW	1 MHz	RF Att	40 dB
Ref Lvl	1.89 dBm	VBW	1 MHz	
20 dBm	2.40193687 GHz	SWT	5 ms	Unit dBm



Comment A: Output power=1.89 dBm;      verdict: PASS  
 Date:      18.NOV.2006 13:07:56

Measurement diagram

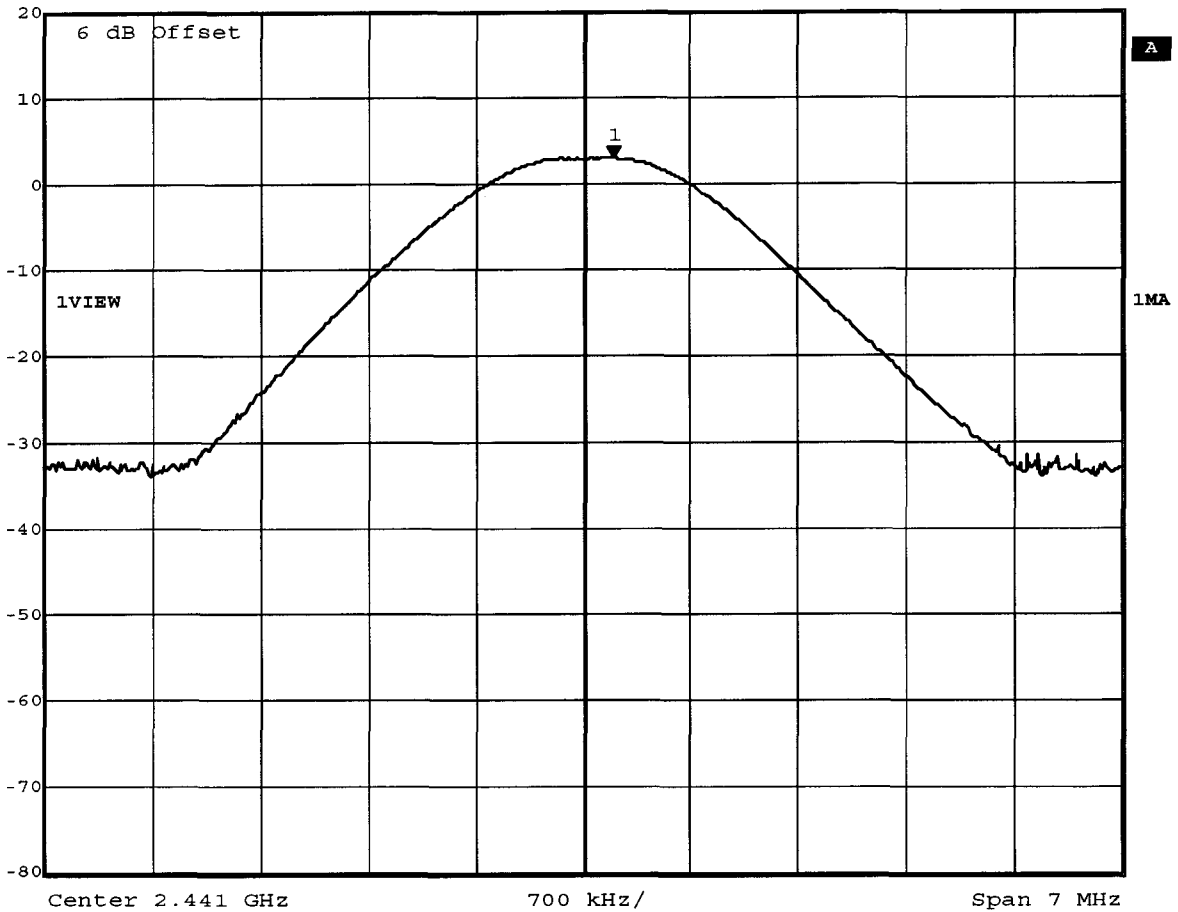
FCC part 15.247

Peak output power conducted

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP § GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output_power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Marker 1 [T1]	RBW	1 MHz	RF Att	40 dB
Ref Lvl	2.82 dBm	VBW	1 MHz	
20 dBm	2.44120341 GHz	SWT	5 ms	Unit dBm



Comment A: Output power=2.82 dBm;      verdict: PASS  
 Date:      18.NOV.2006 13:11:32

Measurement diagram

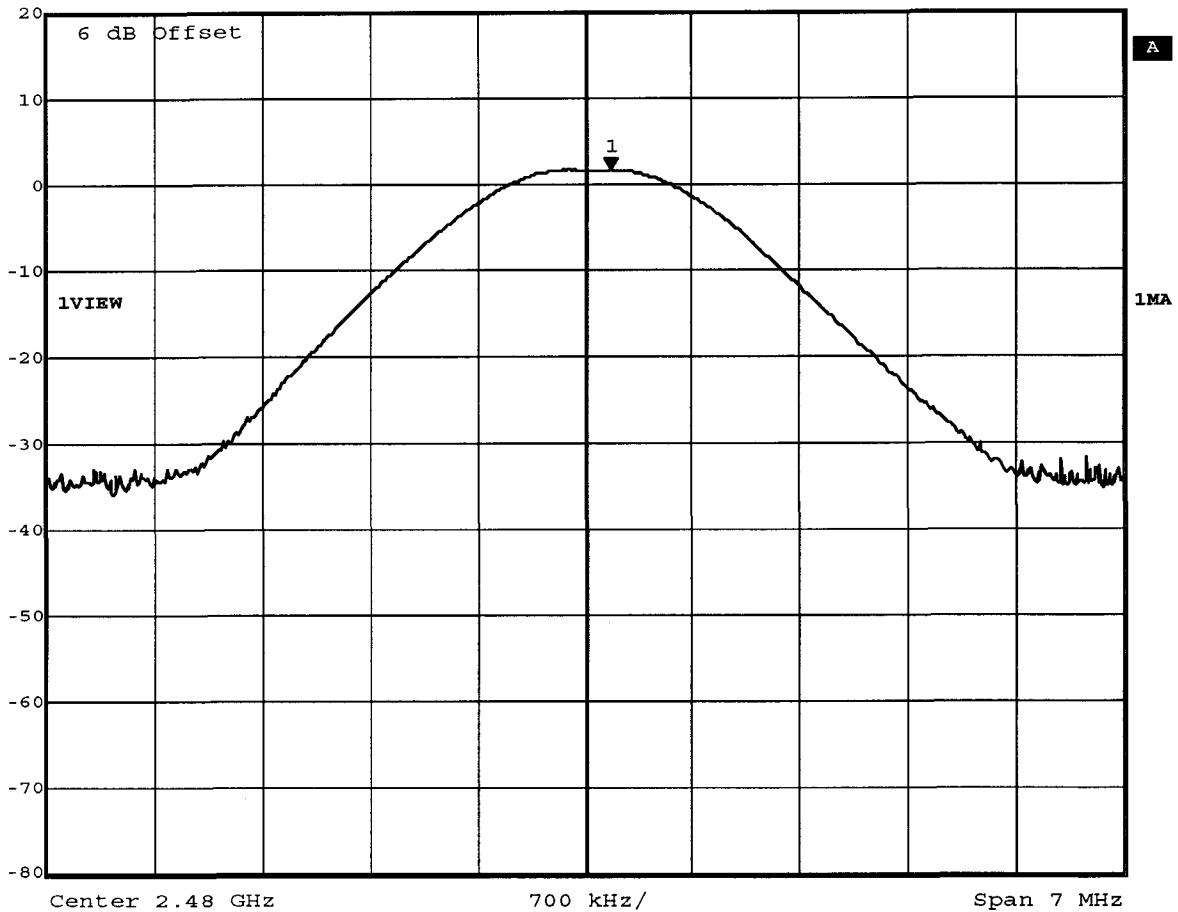
FCC part 15.247

Peak output power conducted

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output_power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



	Marker 1 [T1]	RBW	1 MHz	RF Att	40 dB
Ref Lvl	1.56 dBm	VBW	1 MHz		
20 dBm	2.48017535 GHz	SWT	5 ms	Unit	dBm



Comment A: Output power=1.56 dBm; verdict: PASS  
 Date: 18.NOV.2006 13:14:19

Measurement diagram

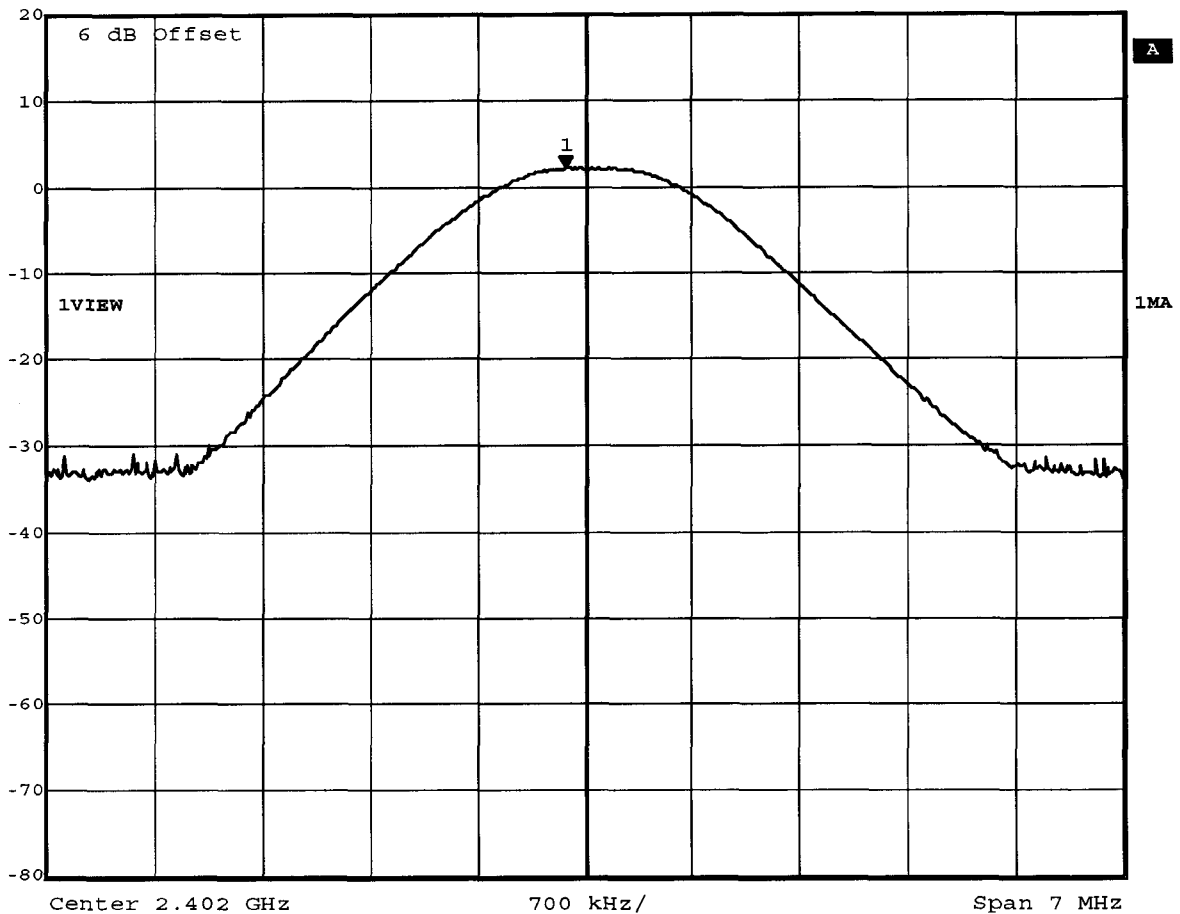
FCC part 15.247

Peak output power conducted

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP § GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmin
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Marker 1 [T1]	RBW	1 MHz	RF Att	40 dB
Ref Lvl	2.05 dBm	VBW	1 MHz	
20 dBm	2.40188076 GHz	SWT	5 ms	Unit dBm



Comment A: Output power=2.05 dBm;      verdict: PASS  
 Date:      18.NOV.2006    13:21:13

Measurement diagram

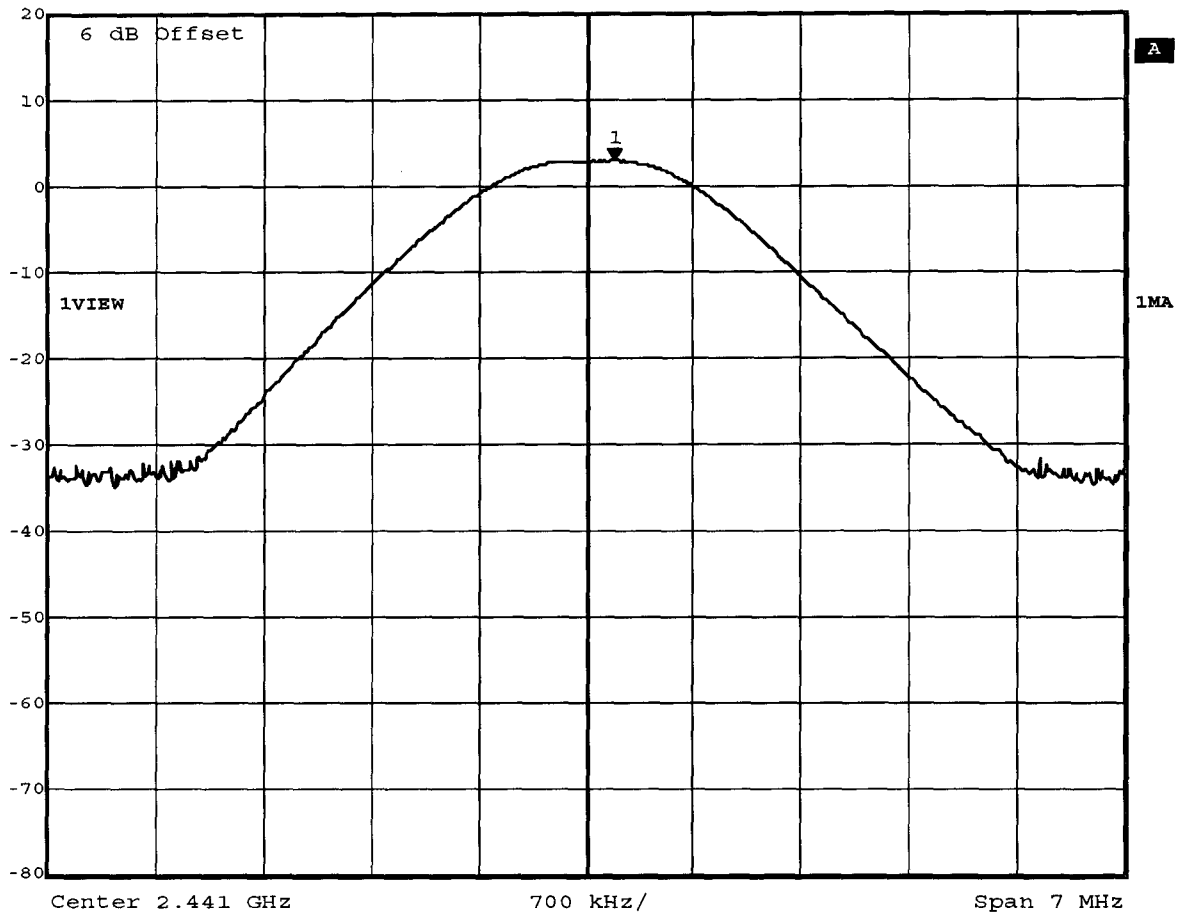
FCC part 15.247

Peak output power conducted

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmin
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output_power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Marker 1 [T1]	RBW	1 MHz	RF Att	40 dB
Ref Lvl	2.81 dBm	VBW	1 MHz	
20 dBm	2.44118938 GHz	SWT	5 ms	Unit dBm

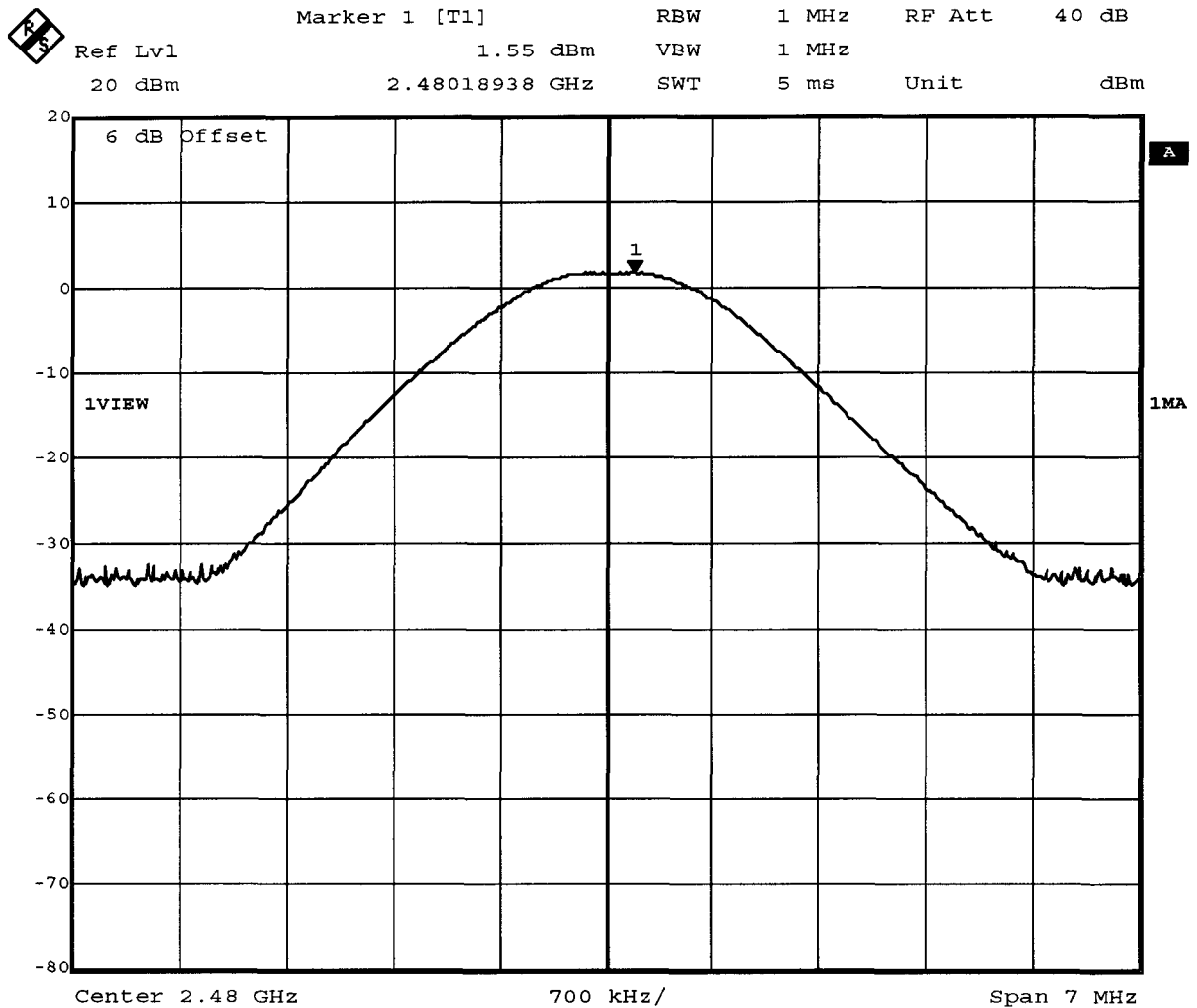


Comment A: Output power=2.81 dBm;      verdict: PASS  
 Date:      18.NOV.2006 13:19:52

Measurement diagram

**FCC part 15.247**  
**Peak output power conducted**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP § GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmin
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output_power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	




Comment A: Output power=1.55 dBm;      verdict: PASS  
 Date:            18.NOV.2006 13:16:06

Measurement diagram

**FCC part 15.247**  
**Peak output power conducted**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	

	Marker 1 [T1]	RBW	1 MHz	RF Att	20 dB
	Ref Lvl	1.89 dBm	VBW	1 MHz	
	20 dBm	2.40206313 GHz	SWT	5 ms	Unit dBm



Comment A: Output power=1.89 dBm;      verdict: PASS  
 Date:      18.NOV.2006      13:46:02

Measurement diagram

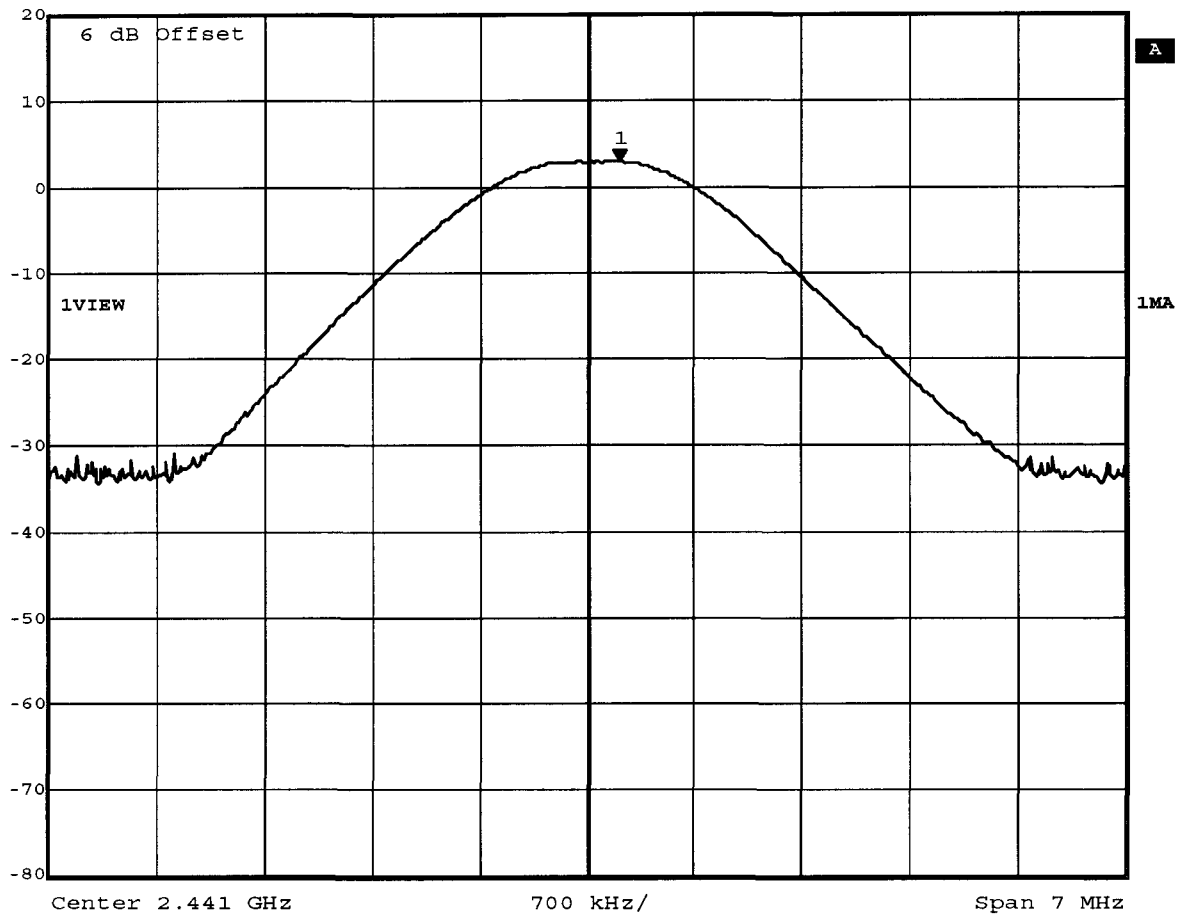


FCC part 15.247

Peak output power conducted

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output_power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	

	Marker 1 [T1]	RBW	1 MHz	RF Att	40 dB
	Ref Lvl	2.82 dBm	VBW	1 MHz	
	20 dBm	2.44121743 GHz	SWT	5 ms	Unit dBm



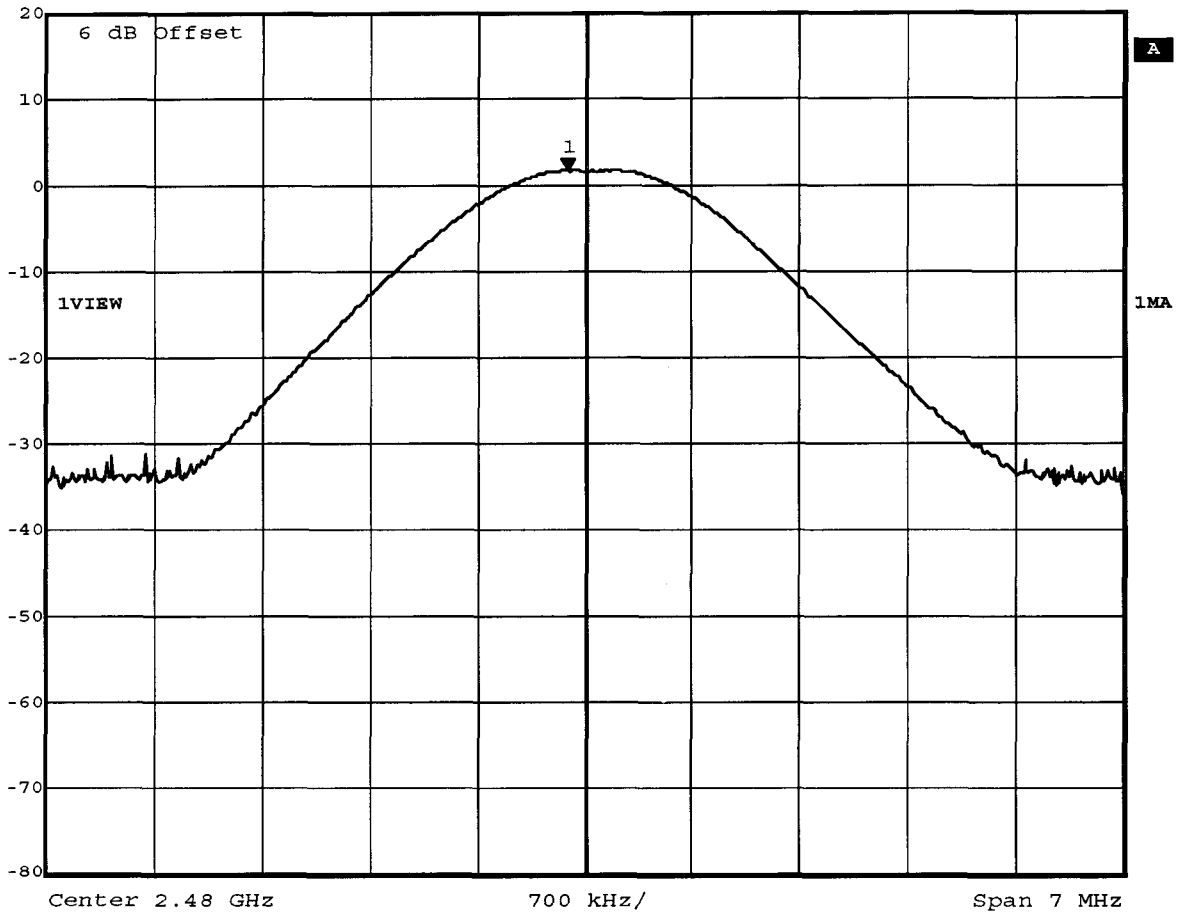
Comment A: Output power=2.82 dBm; verdict: PASS  
 Date: 18.NOV.2006 13:18:35

Measurement diagram

**FCC part 15.247**  
**Peak output power conducted**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output_power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	

	Marker 1 [T1]	RBW	1 MHz	RF Att	40 dB
	Ref Lvl	1.56 dBm	VBW	1 MHz	
	20 dBm	2.47989479 GHz	SWT	5 ms	Unit dBm



Comment A: Output power=1.56 dBm;      verdict: PASS  
 Date:      18.NOV.2006 13:17:27

Measurement diagram

## Appendix C

RF power output radiated (EIRP)

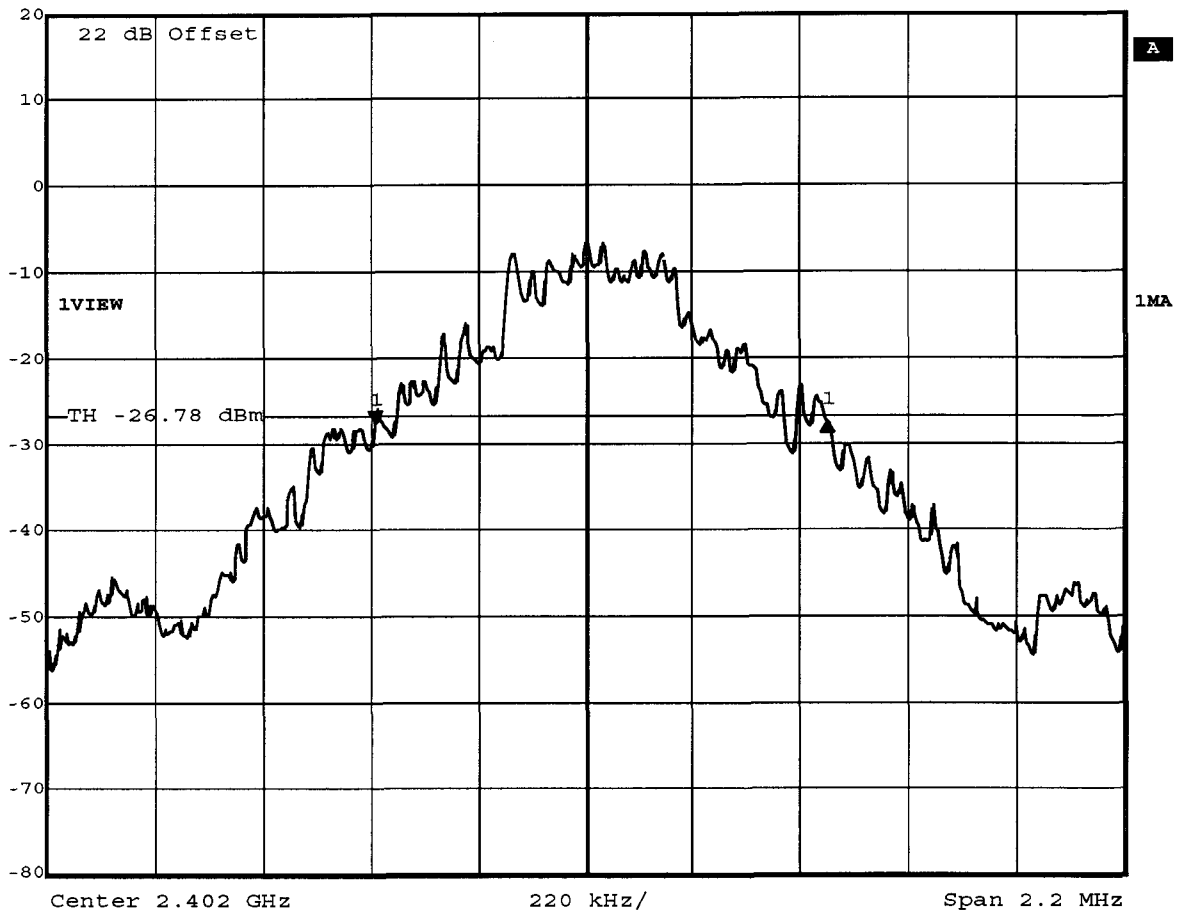
## Appendix D

20 dB bandwidth

FCC part 15.247  
20 dB bandwidth

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	

	Delta 1 [T1]	RBW	10 kHz	RF Att	20 dB
	Ref Lvl	-0.02 dB	VBW	10 kHz	
	20 dBm	925.82525050 kHz	SWT	56 ms	Unit



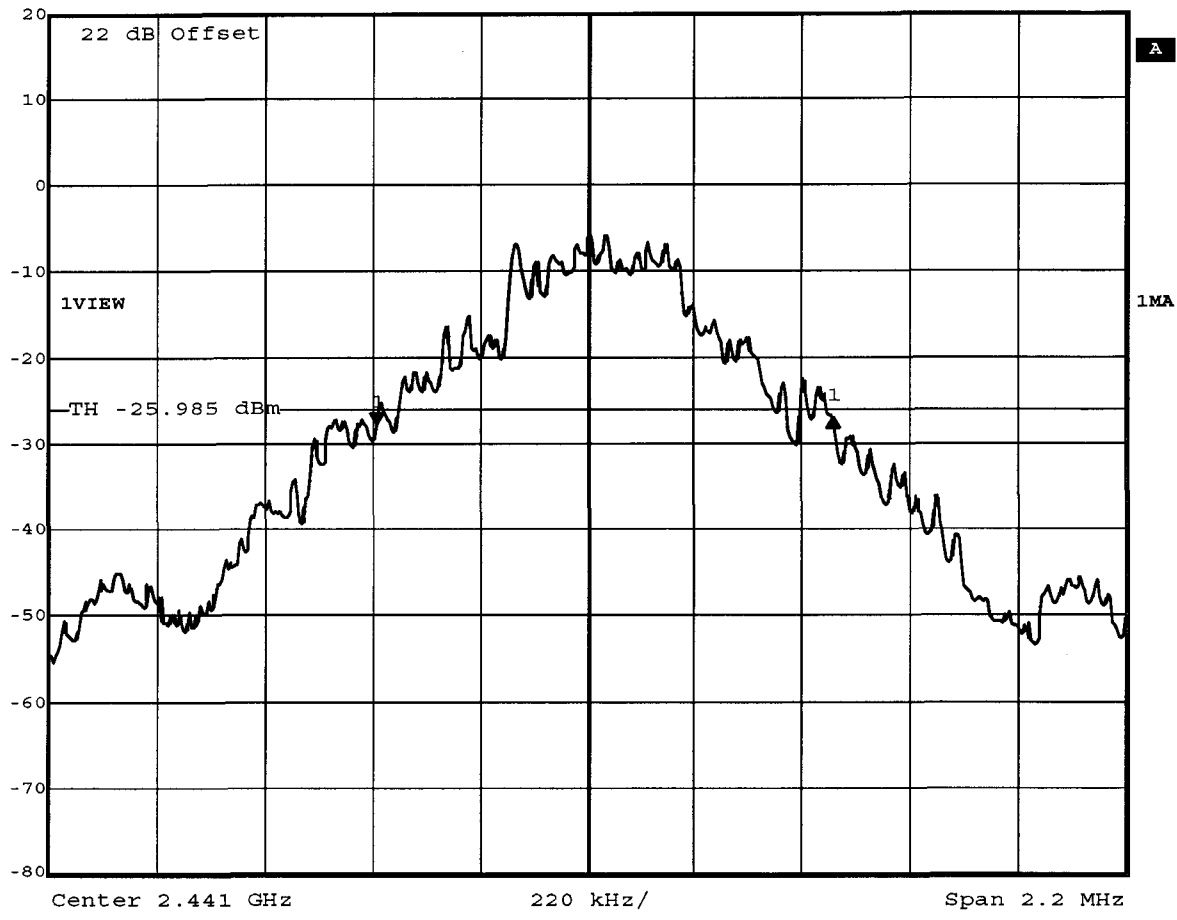
Comment A: 20 dB bandwidth: 925.8 KHz < 1MHz; verdict: PASS  
Date: 18.NOV.2006 13:47:38

Measurement diagram

FCC part 15.247  
20 dB bandwidth

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	

	Delta 1 [T1]	RBW	10 kHz	RF Att	20 dB
	Ref Lvl	0.95 dB	VBW	10 kHz	
	20 dBm	934.60761523 kHz	SWT	56 ms	Unit dBm



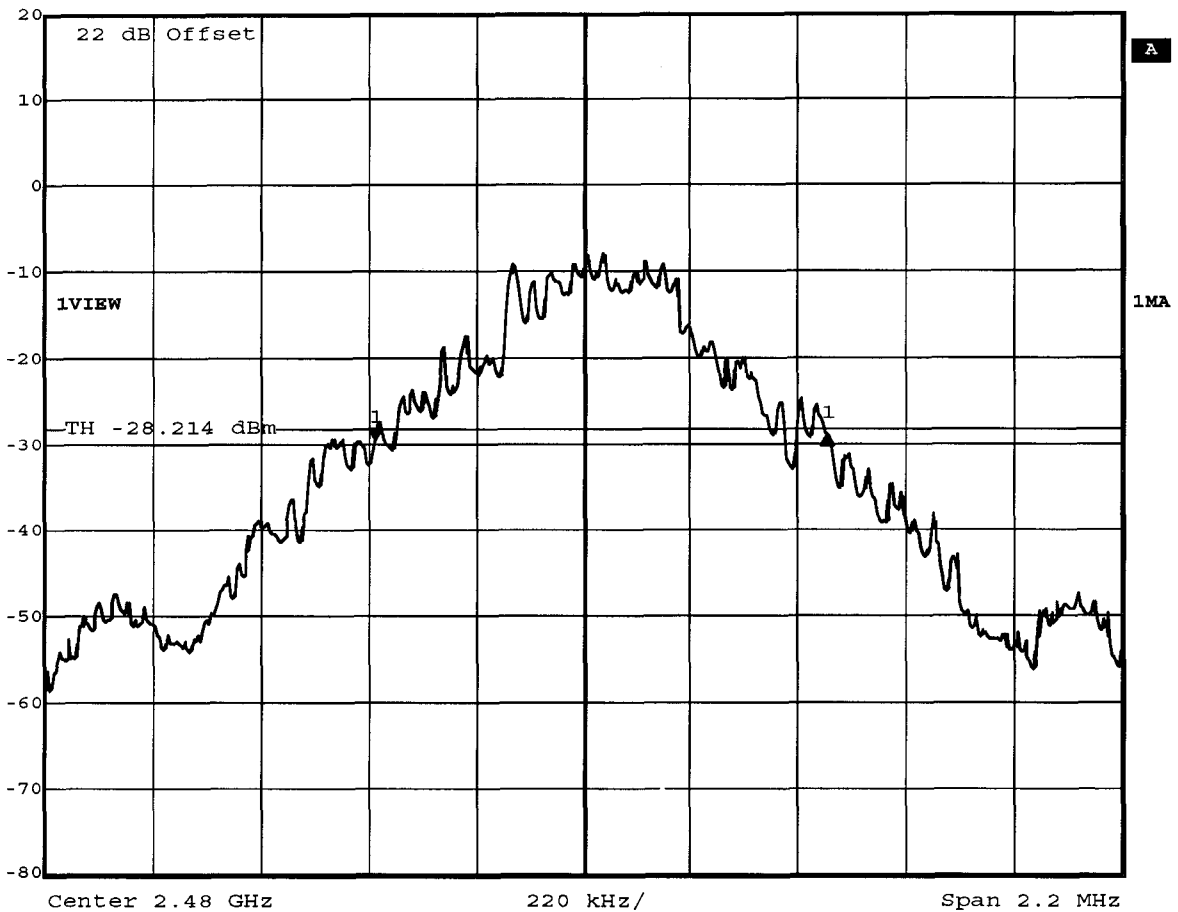
Comment A: 20 dB bandwidth: 934.6 KHz < 1MHz; verdict: PASS  
Date: 18.NOV.2006 13:55:44

Measurement diagram

FCC part 15.247  
20 dB bandwidth

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP § GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	

	Delta 1 [T1]	RBW	10 kHz	RF Att	20 dB
	Ref Lvl	0.59 dB	VBW	10 kHz	
	20 dBm	925.79879759 kHz	SWT	56 ms	Unit dBm



Comment A: 20 dB bandwidth: 925.8 kHz < 1MHz; verdict: PASS  
Date: 18.NOV.2006 13:57:38

Measurement diagram

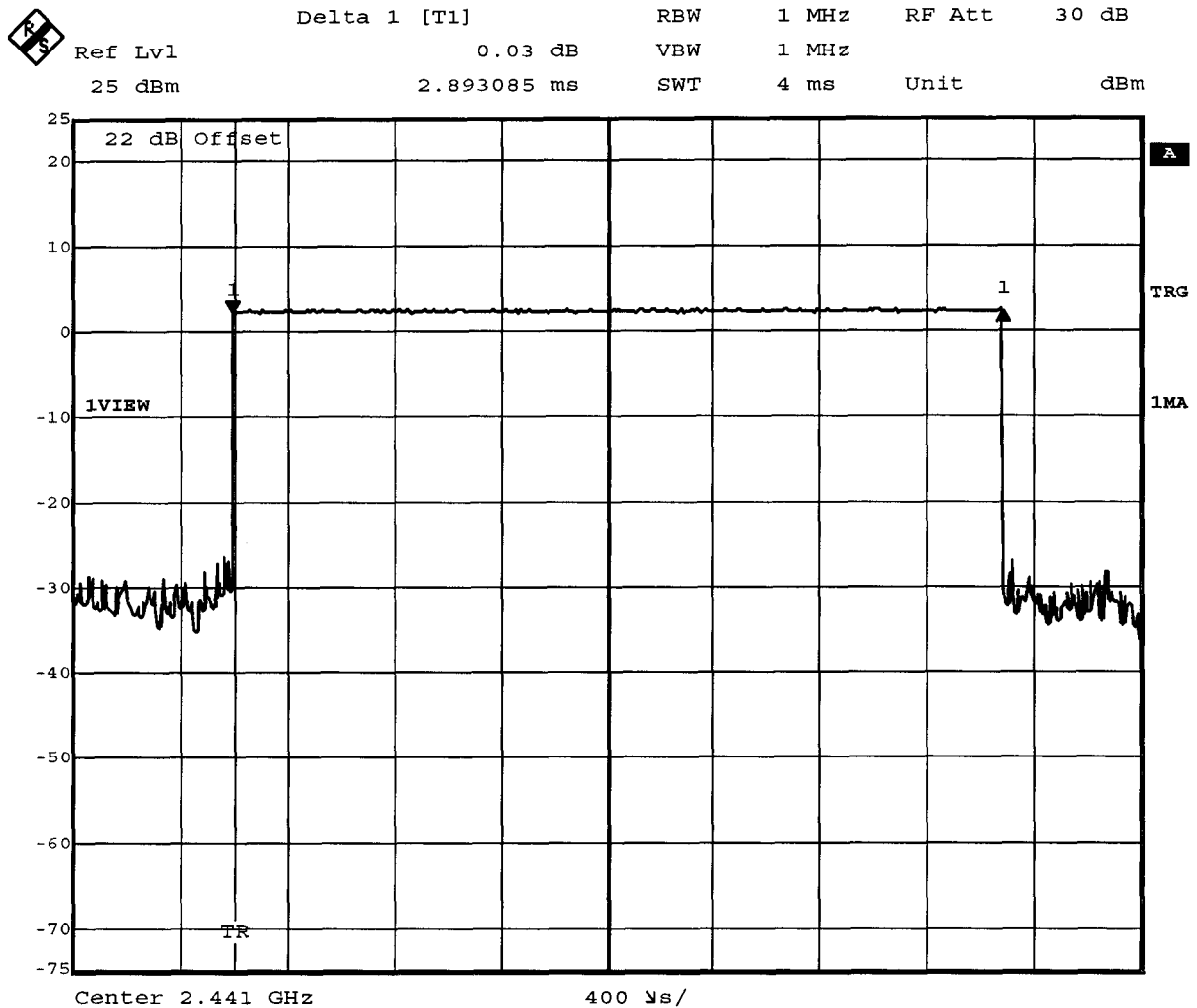
## Appendix E

Time of occupancy (dwell time)



**FCC part 15.247**  
**Time of occupancy (dwell time)**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(a)
Comment 1	Time of occupancy
Comment 2	Channel.: 39 / 2441 MHz (Hopping mode)
Comment 3	63 events * 2.893 ms result: 182.3 ms

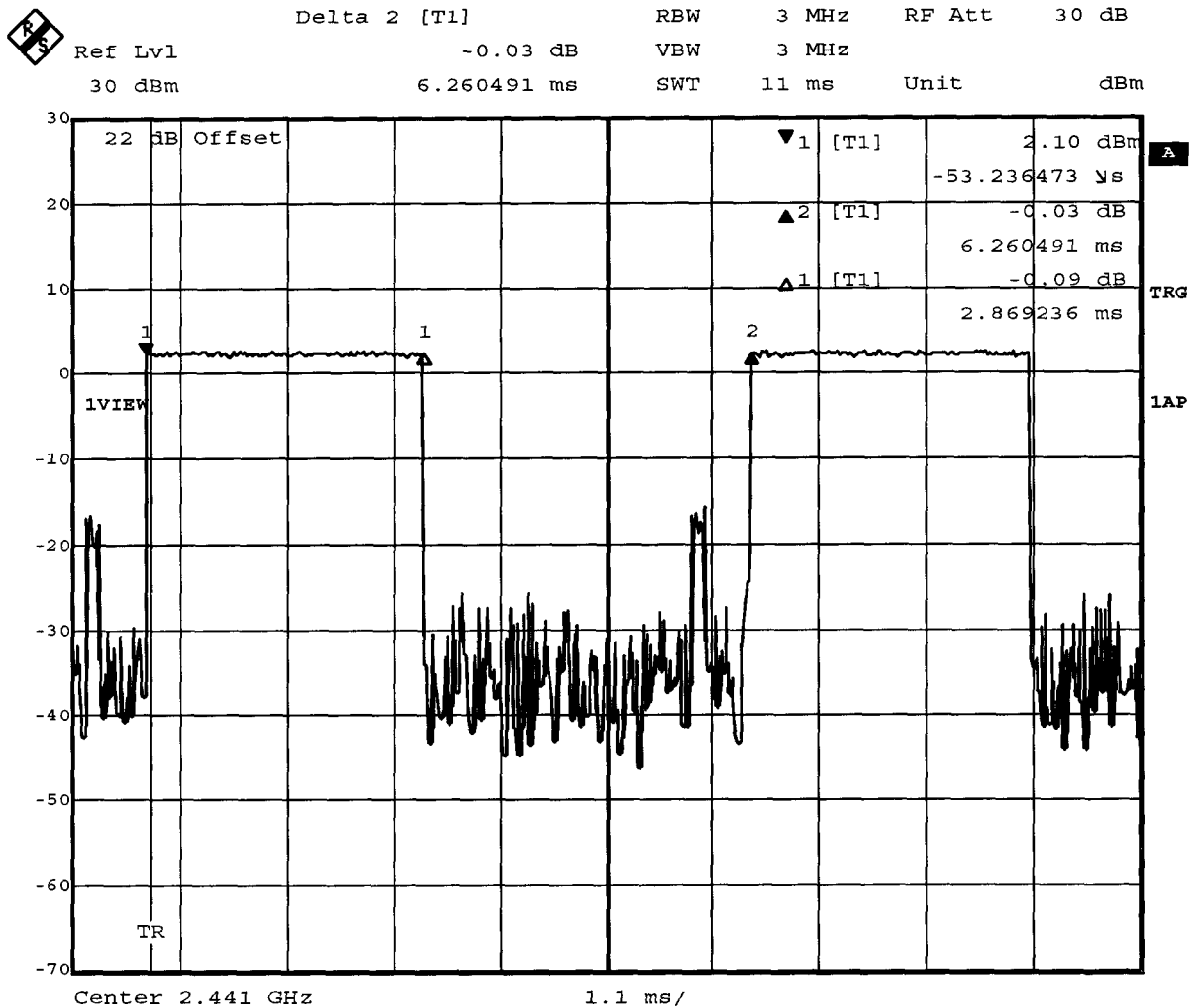


Comment A: Burst length=2.89309 ms  
 Date: 18.NOV.2006 14:44:33

Measurement diagram

FCC part 15.247  
Duty cycle

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Duty cycle
Comment 2	Channel: 39 / 2441 MHz
Comment 3	



Comment A: Duty cycle=0.46  
Date: 18.NOV.2006 14:42:28

Measurement diagram

## Appendix F

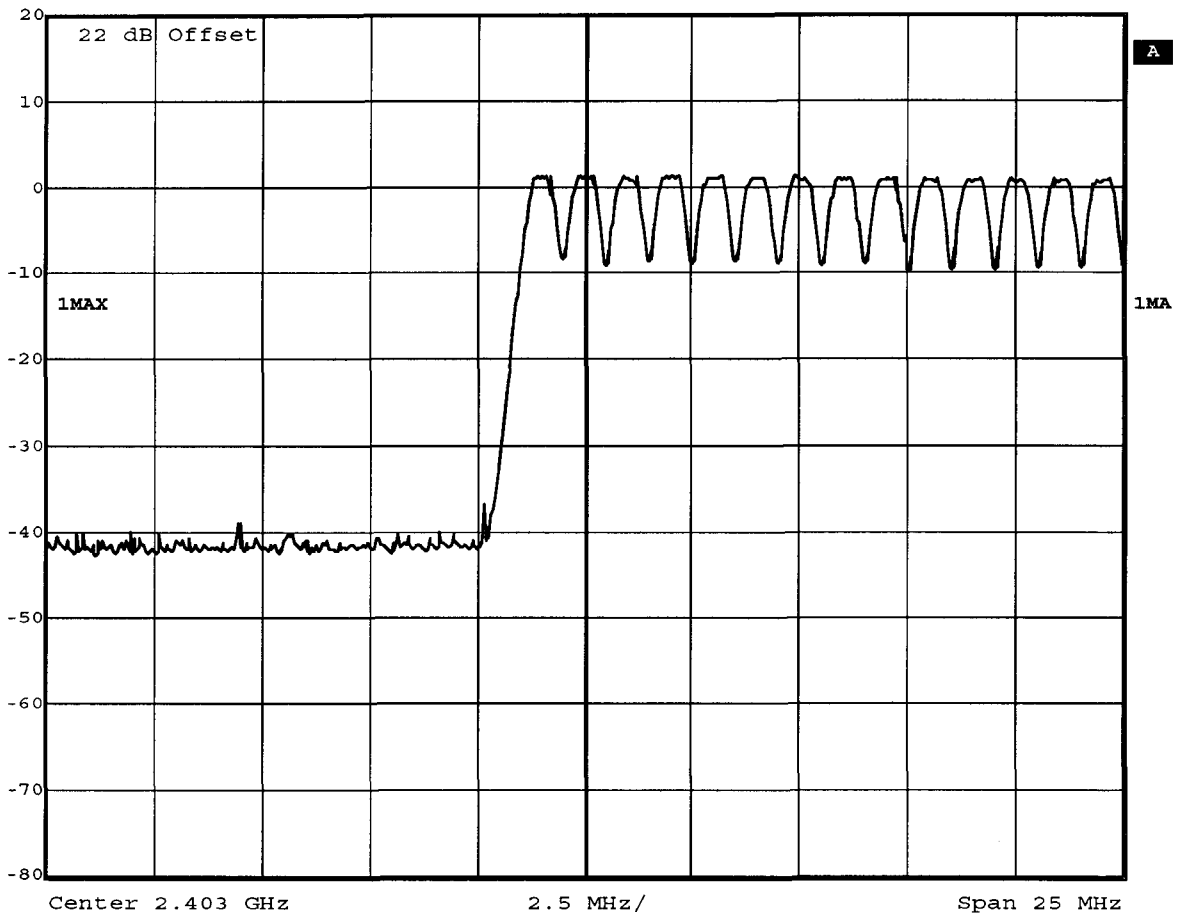
Number of hopping frequencies

**FCC part 15.247**  
**Number of hopping frequencies**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP § GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 0-13
Comment 3	



Ref Lvl	20 dBm	RBW	300 kHz	RF Att	20 dB
		VBW	300 kHz	Unit	dBm
		SWT	5 ms		



Date: 18.NOV.2006 14:26:35

Measurement diagram

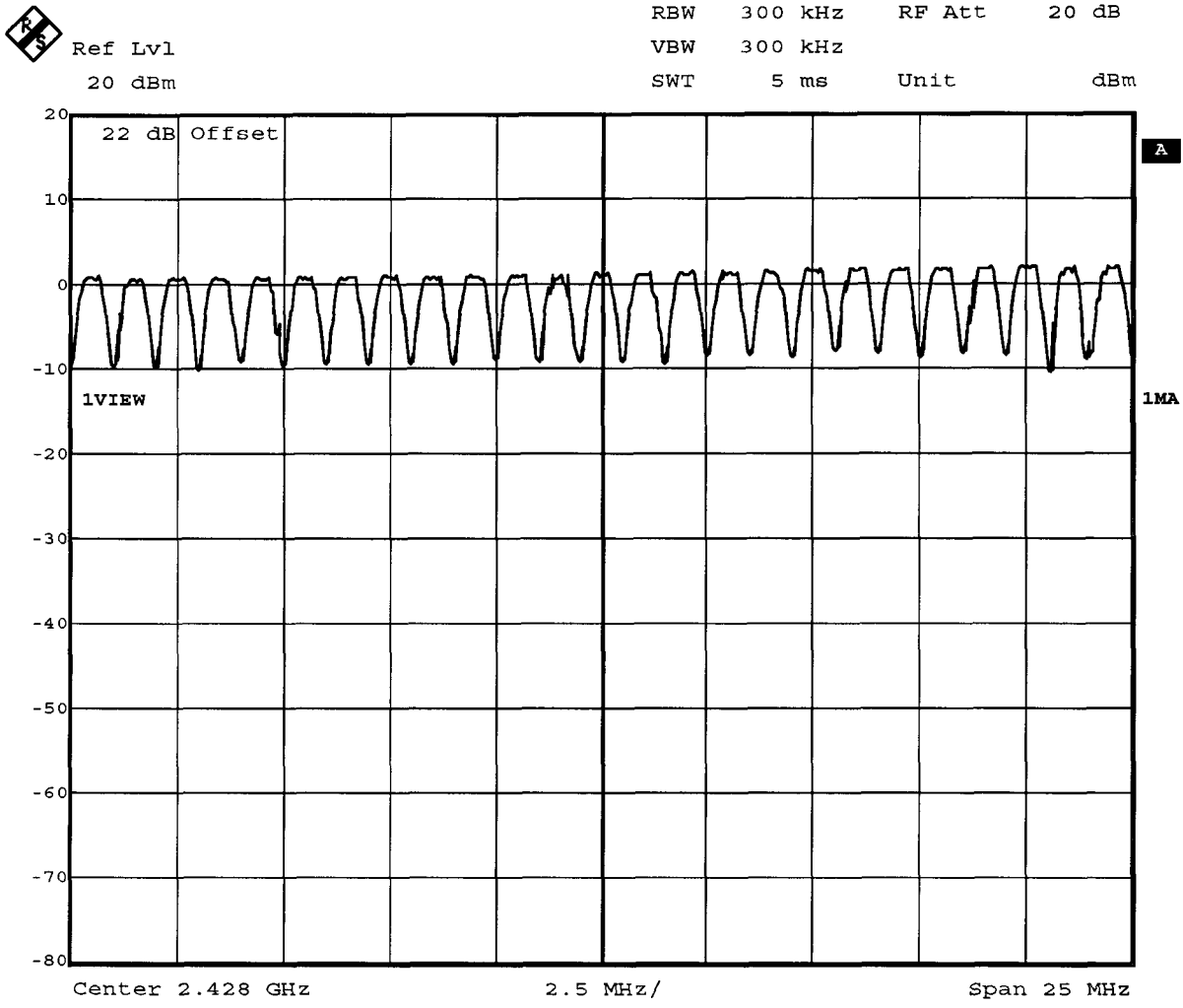
ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

**FCC part 15.247**  
**Number of hopping frequencies**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 14-38
Comment 3	



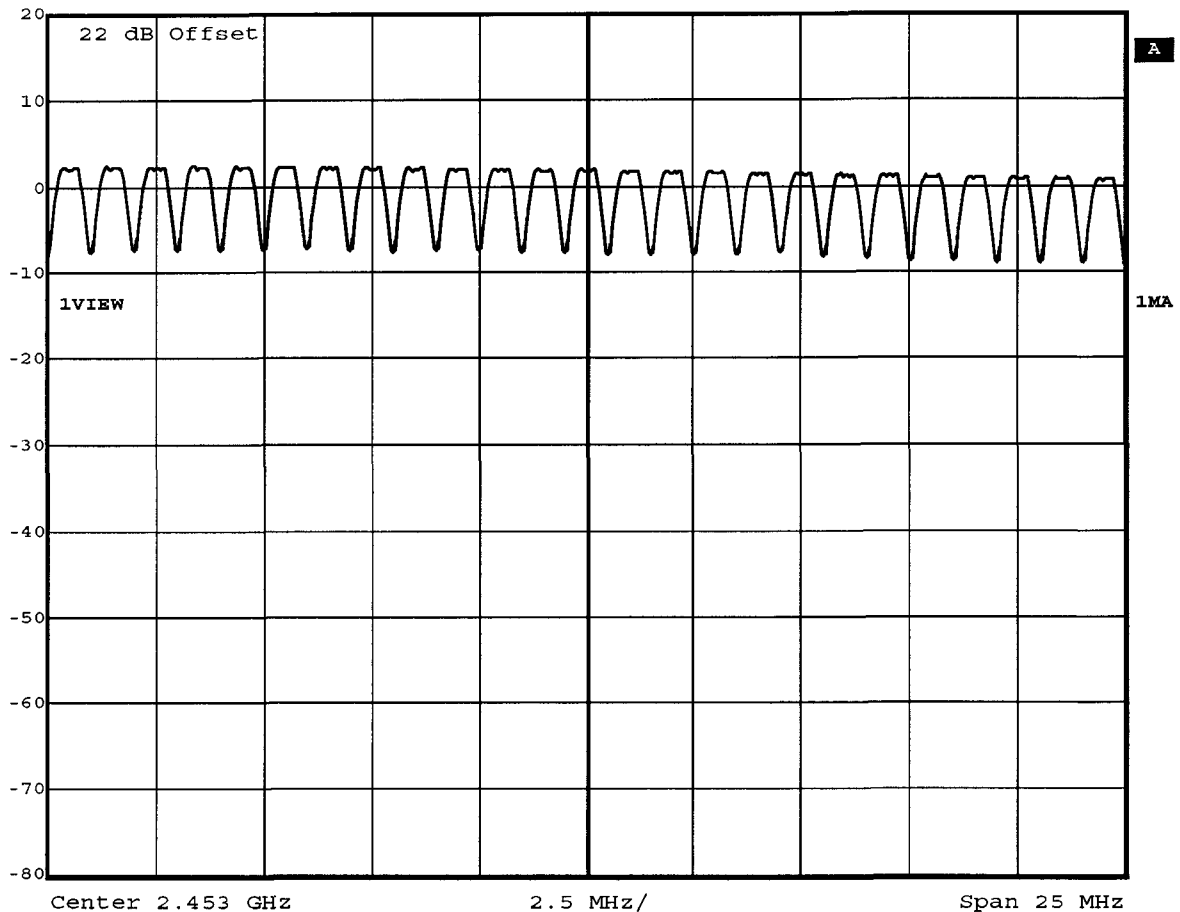
Comment A: Number of hopping frequencies  
 Date: 18.NOV.2006 14:27:49

**FCC part 15.247**  
**Number of hopping frequencies**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.:39-63
Comment 3	



Ref Lvl	20 dBm	RBW	300 kHz	RF Att	20 dB
		VBW	300 kHz		
		SWT	5 ms	Unit	dBm

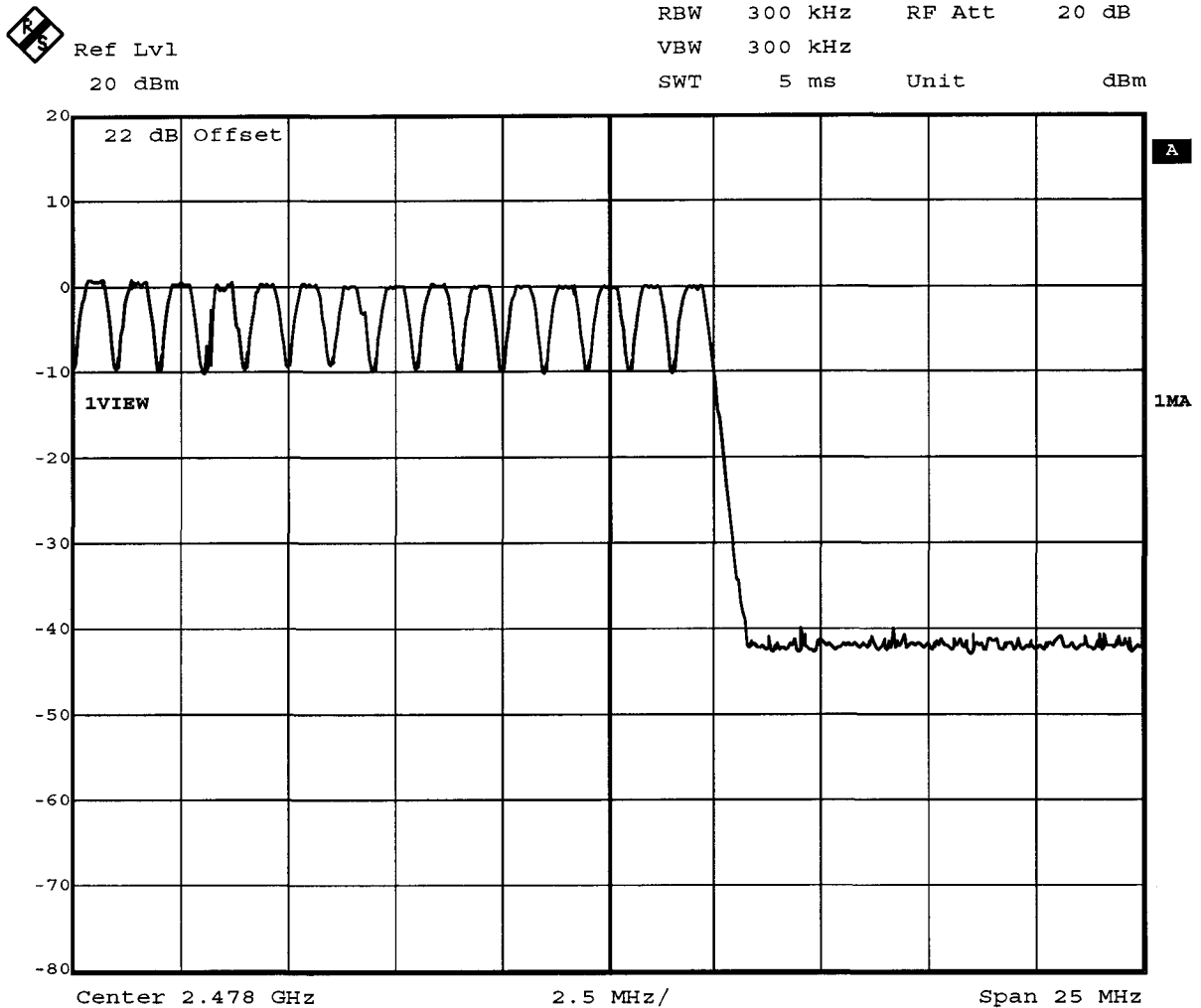


Comment A: Number of hopping frequencies  
 Date: 18.NOV.2006 14:37:39

Measurement diagram

**FCC part 15.247**  
**Number of hopping frequencies**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel: 64-78
Comment 3	



Comment A: Number of hopping frequencies  
 Date: 18.NOV.2006 14:39:50

Measurement diagram

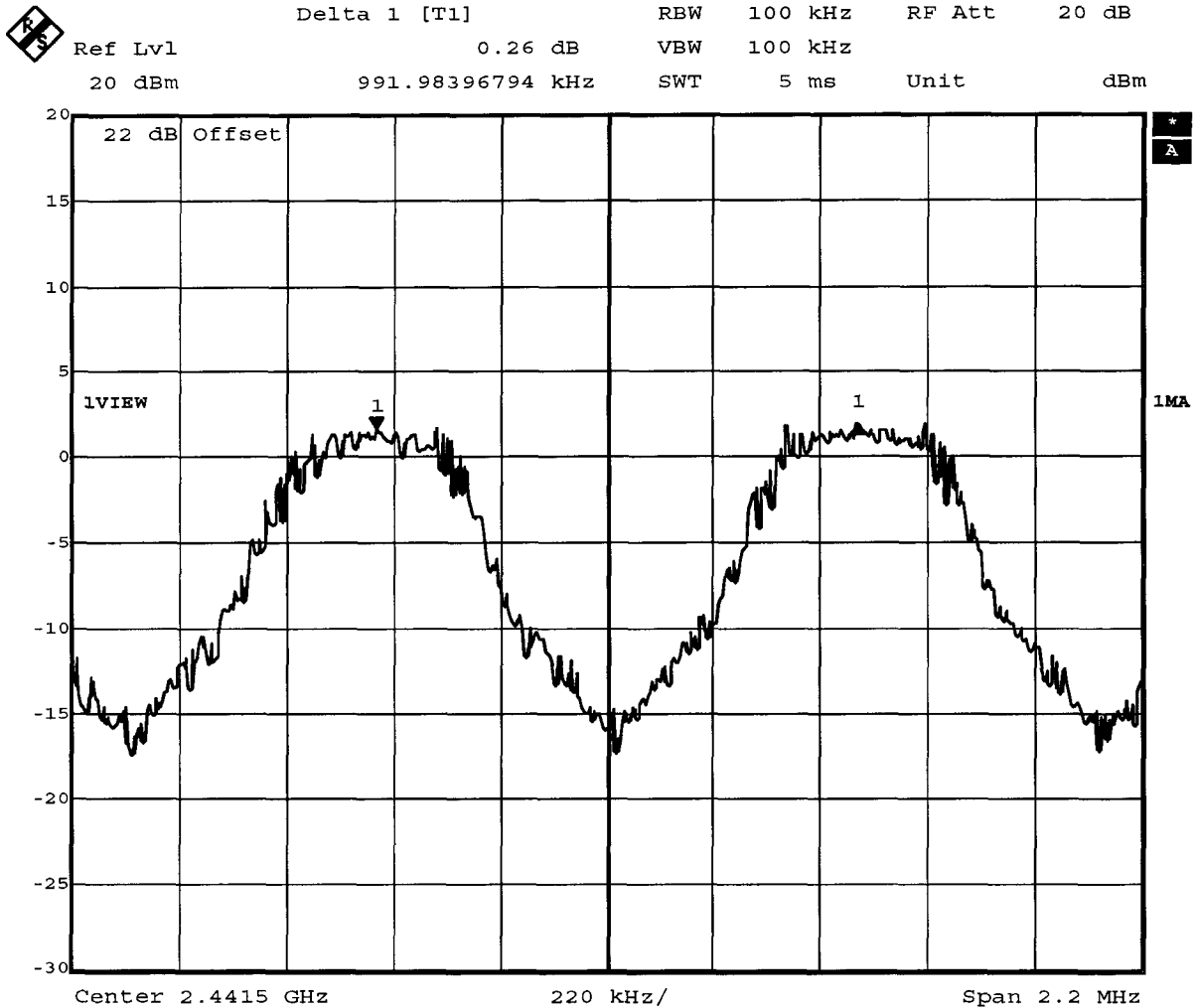
## Appendix G

Carrier frequency separation



**FCC part 15.247  
Carrier frequency separation**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(b)
Comment 1	Carrier frequency separation
Comment 2	Channel.: 39/40 / 2441/2442 MHz
Comment 3	Hopping mode



Comment A: Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass  
 Date: 18.NOV.2006 14:23:35

Measurement diagram

## Appendix H

Spurious emission conducted

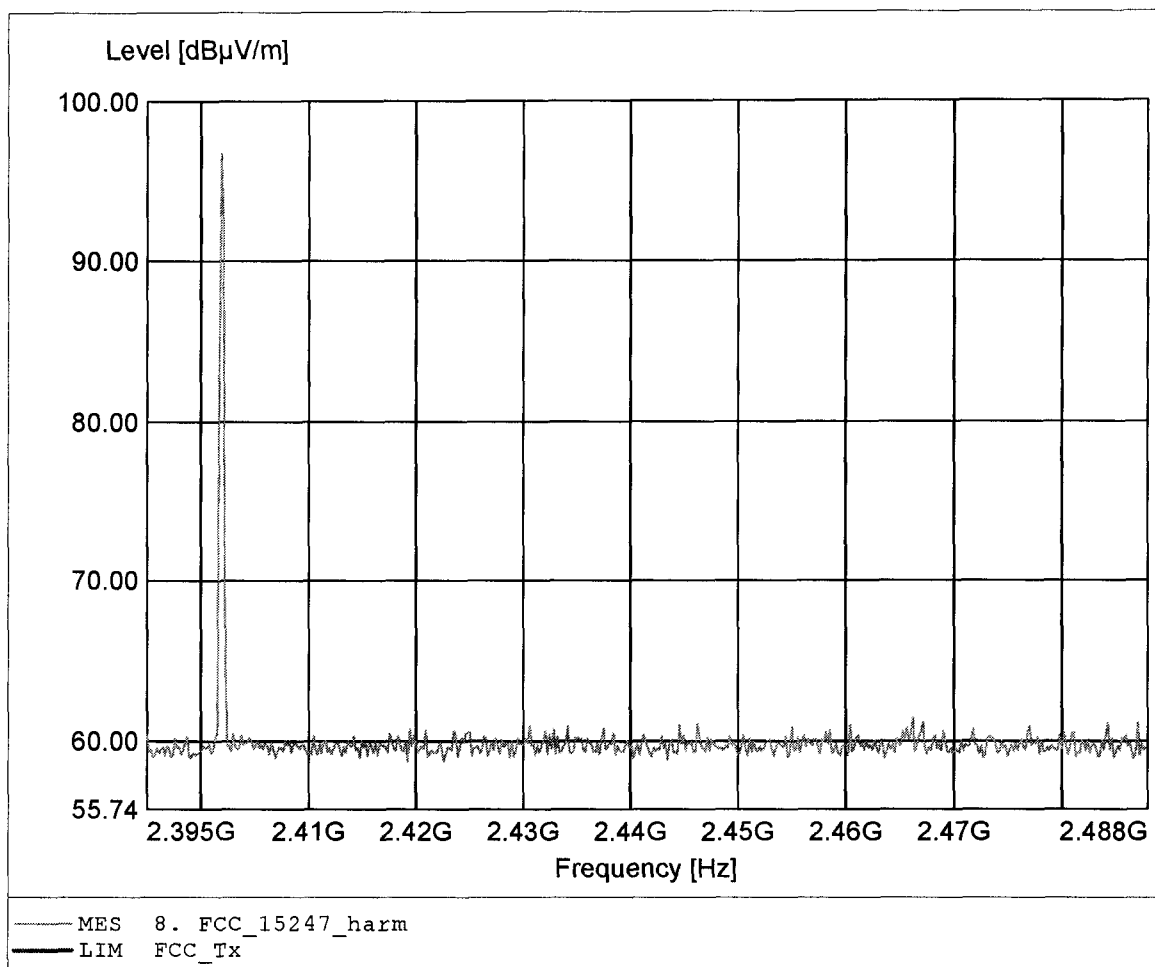
## Appendix I

Spurious emission radiated

**Carrier power (Field Strength)**

**FCC RULES PART 15, SUBPART C**

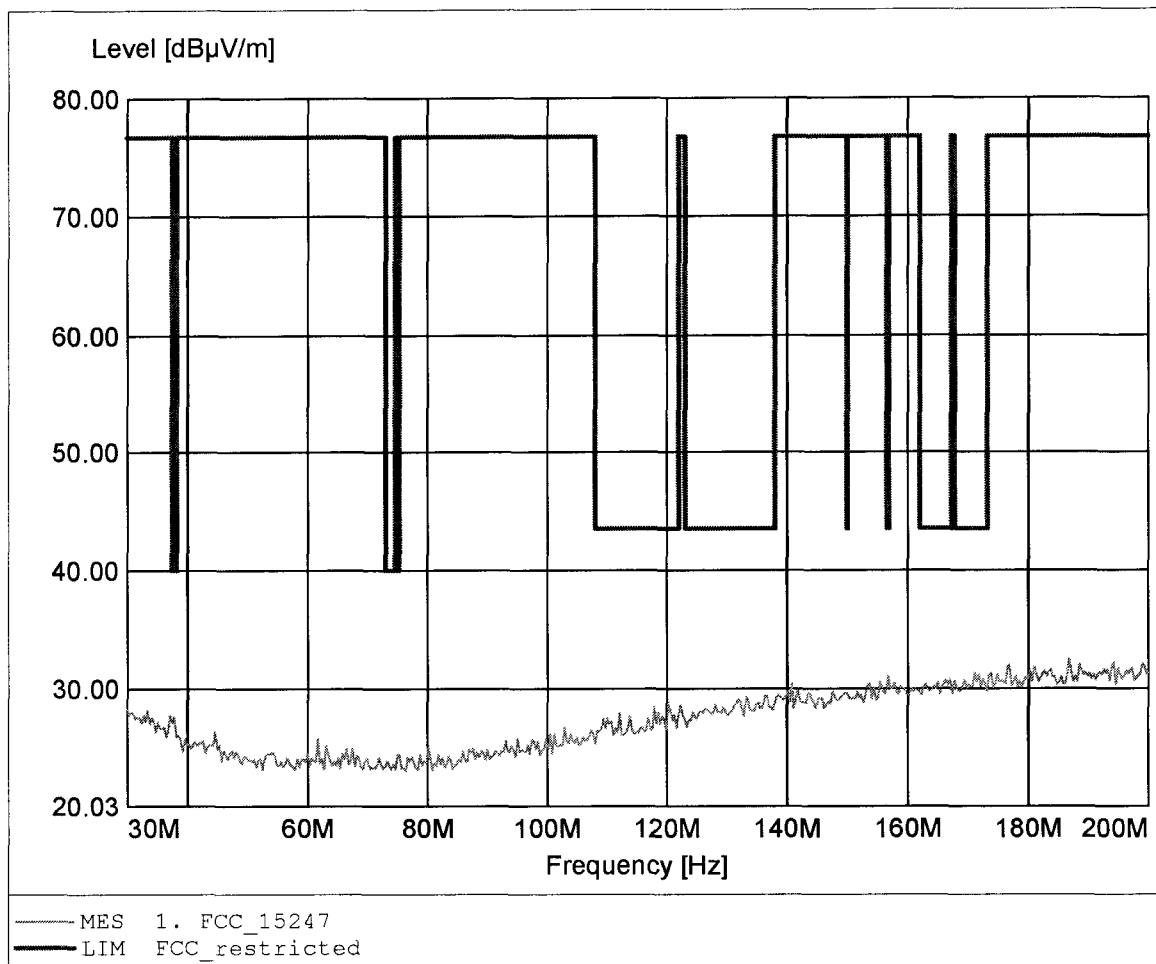
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: BBHA9120D  
Comment 2: Freq: 2.402GHz, Emax: 96.71dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

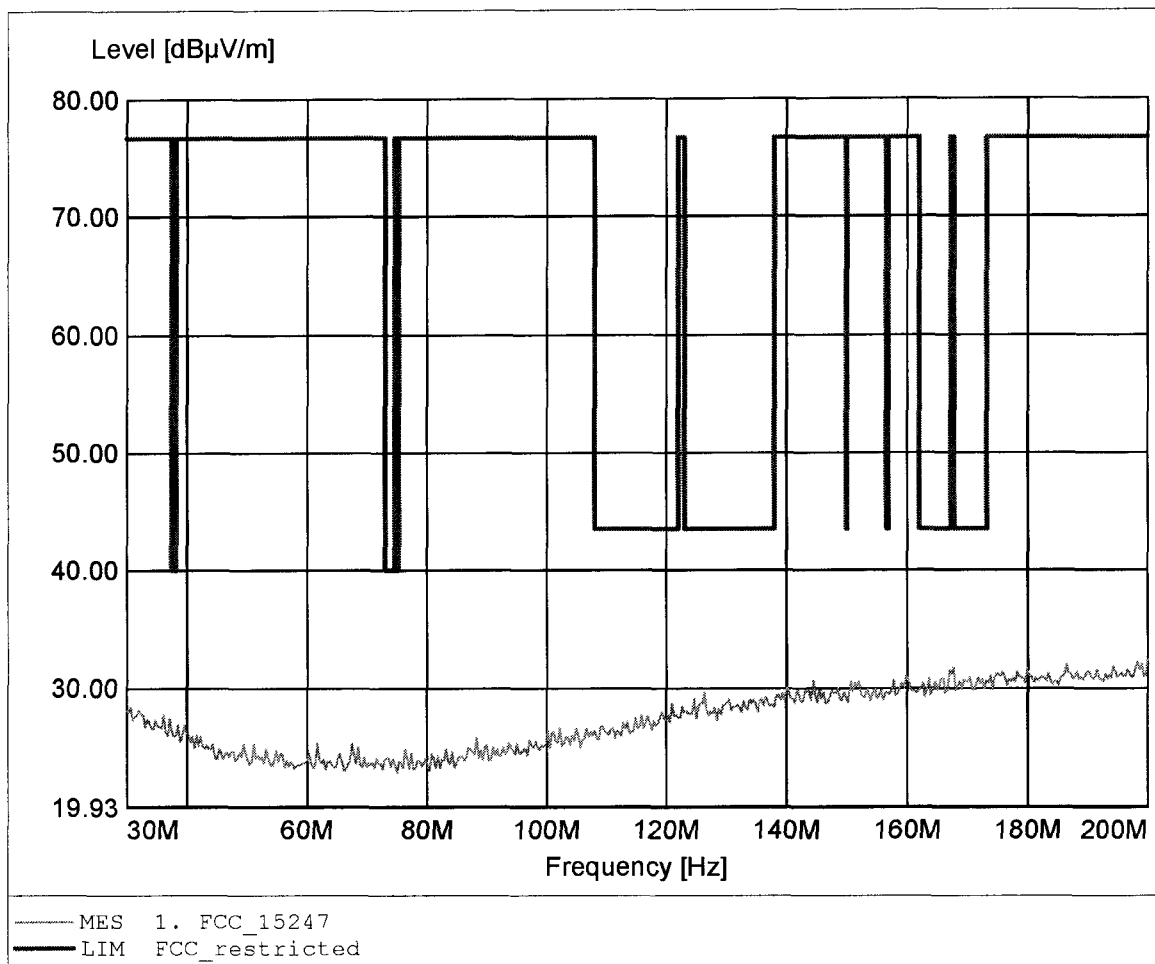
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 186.713MHz, Emax: 32.56dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

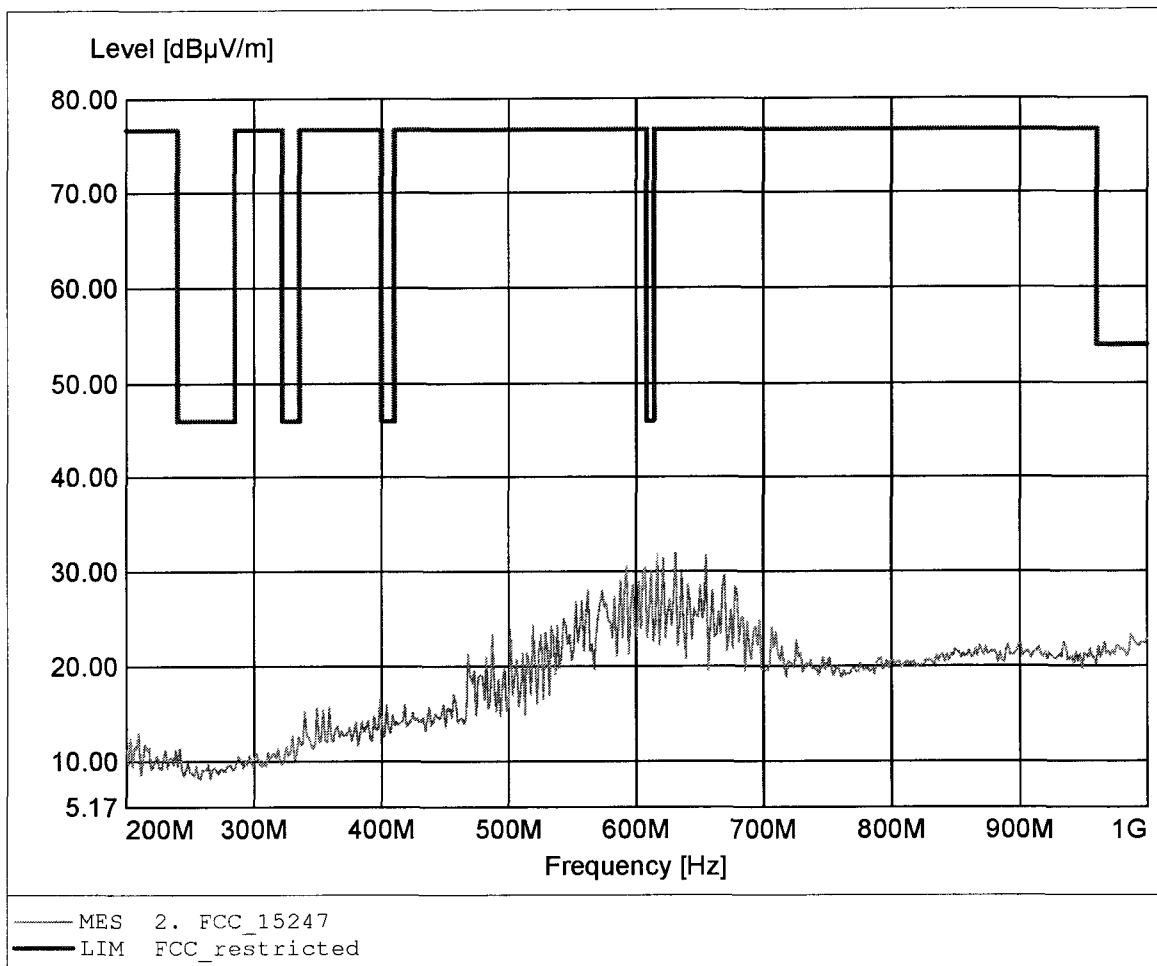
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 200.000MHz, Emax: 32.41dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

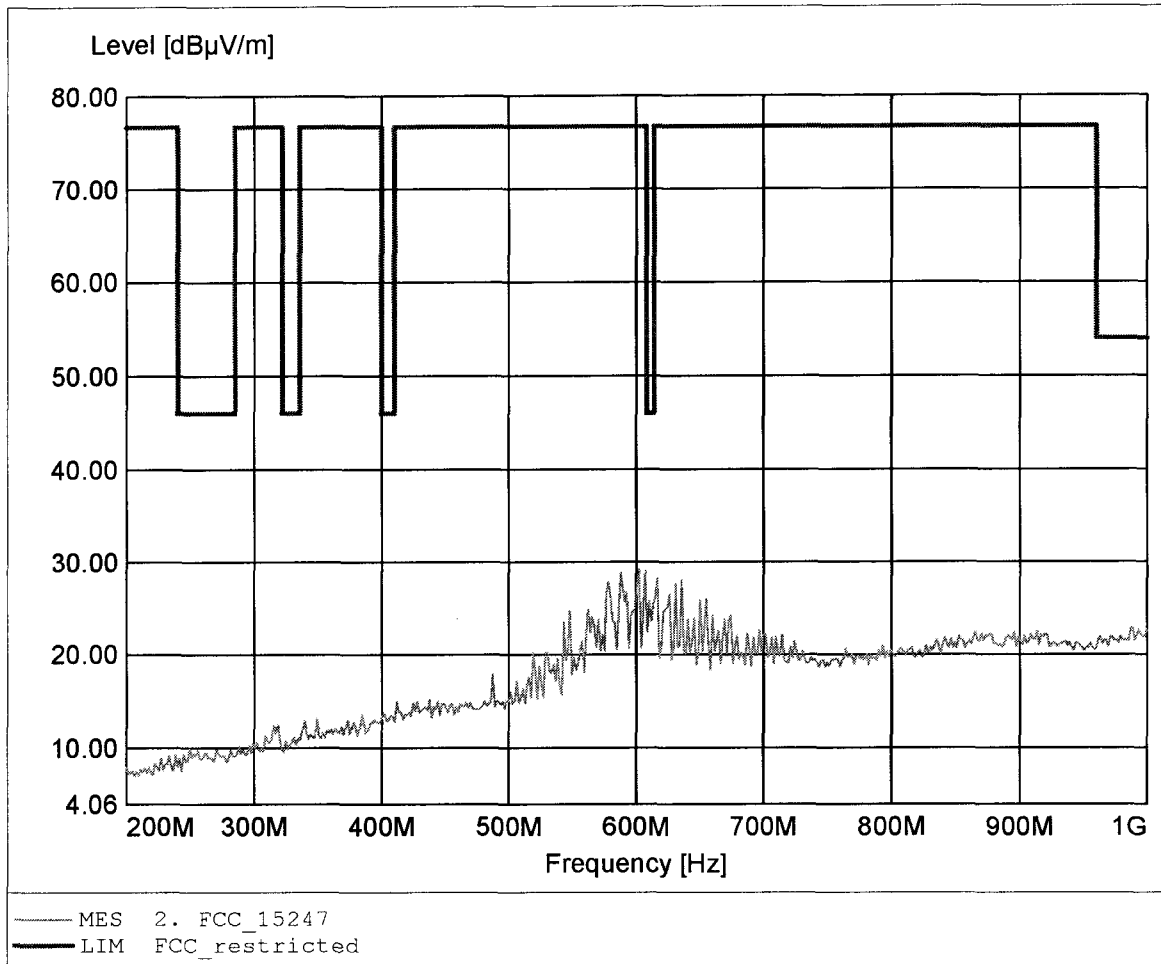
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 631.263MHz, Emax: 31.91dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 602.405MHz, Emax: 29.15dBµV/m, RBW: 100kHz

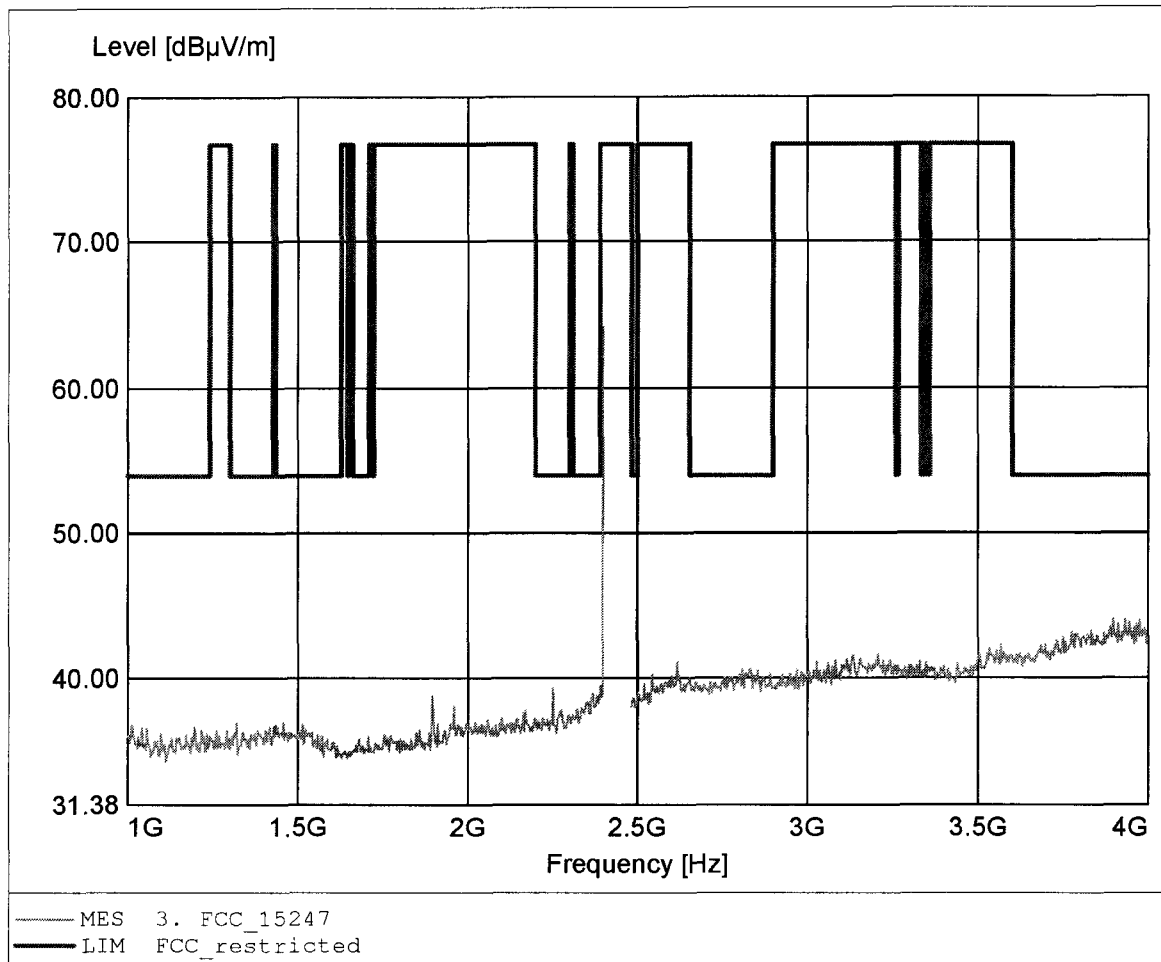




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

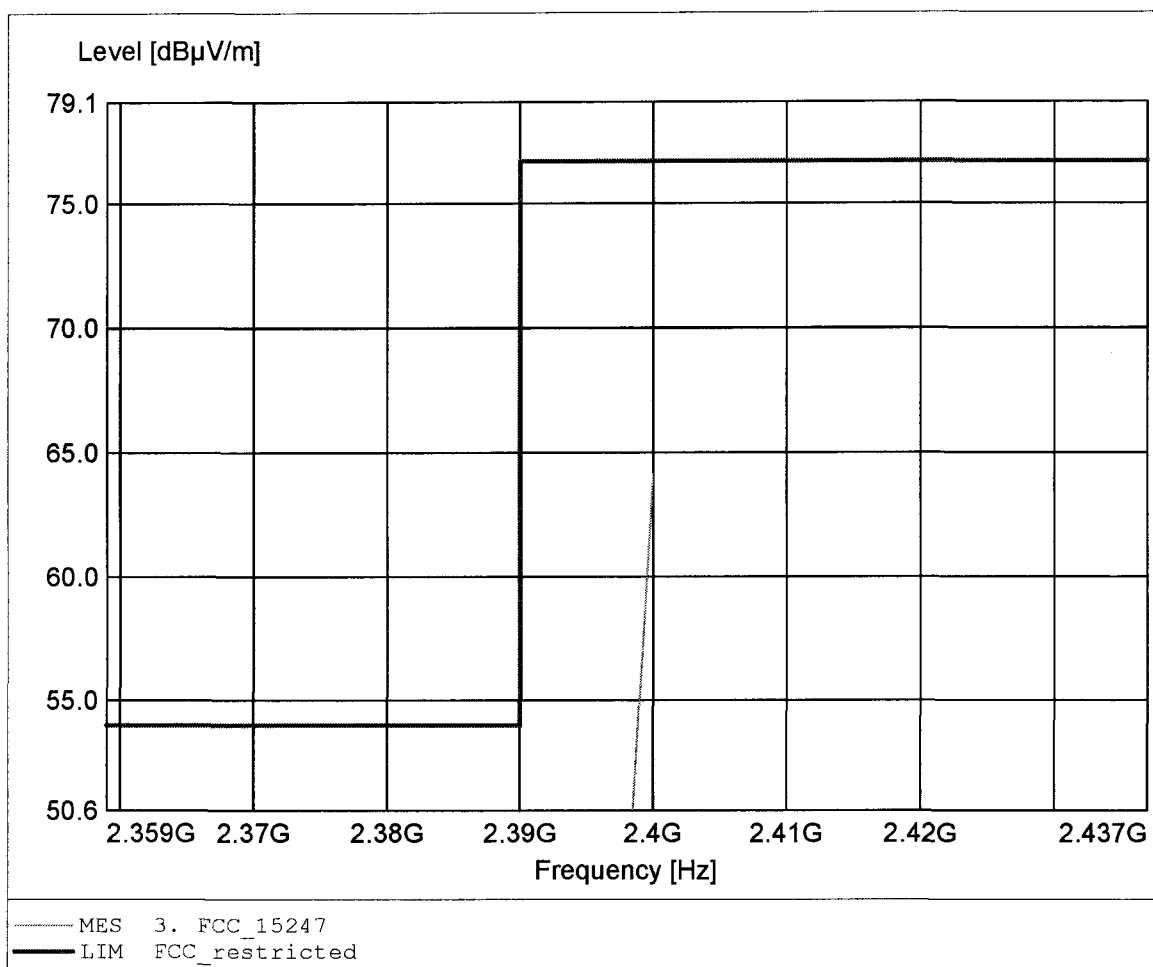
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.400GHz, Emax: 64.15dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

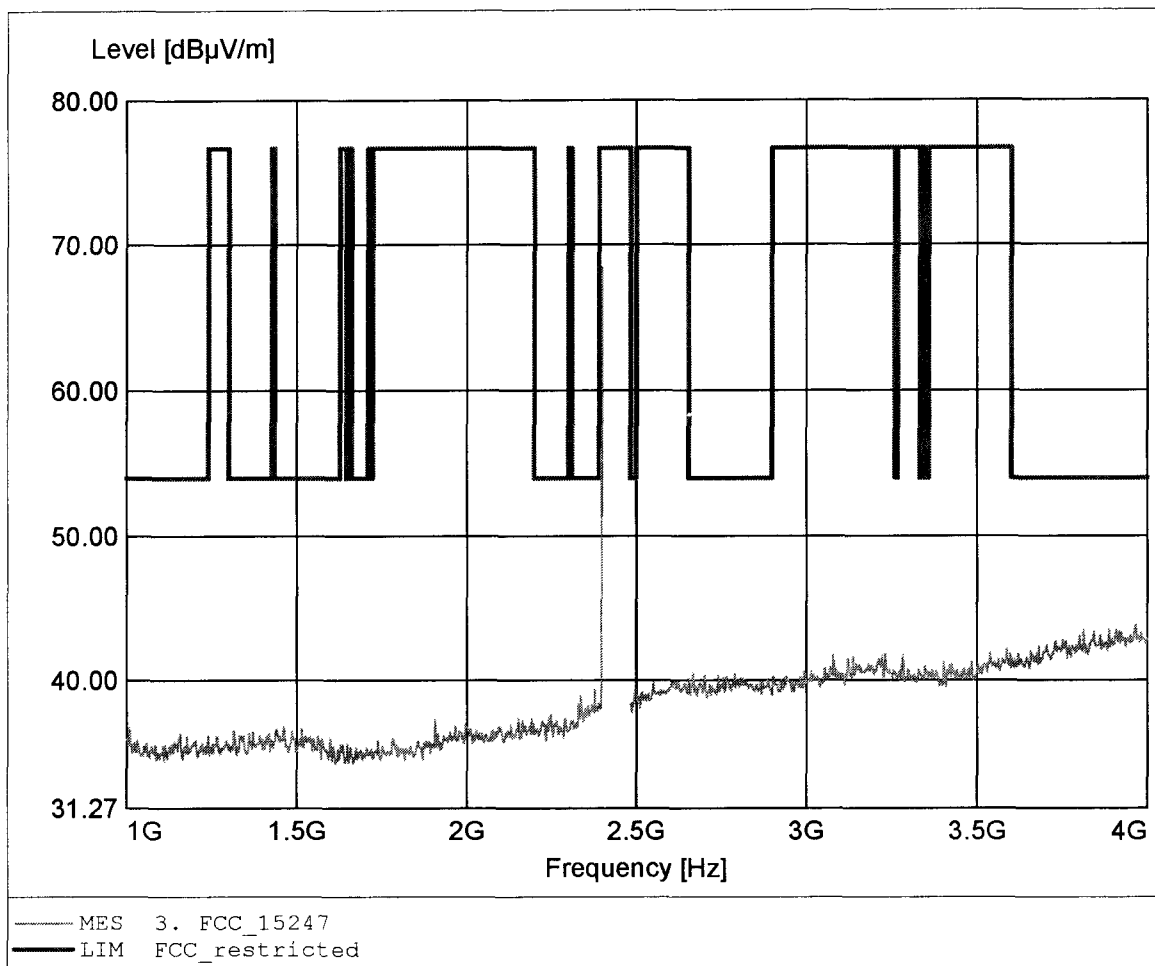
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.400GHz, Emax: 64.15dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

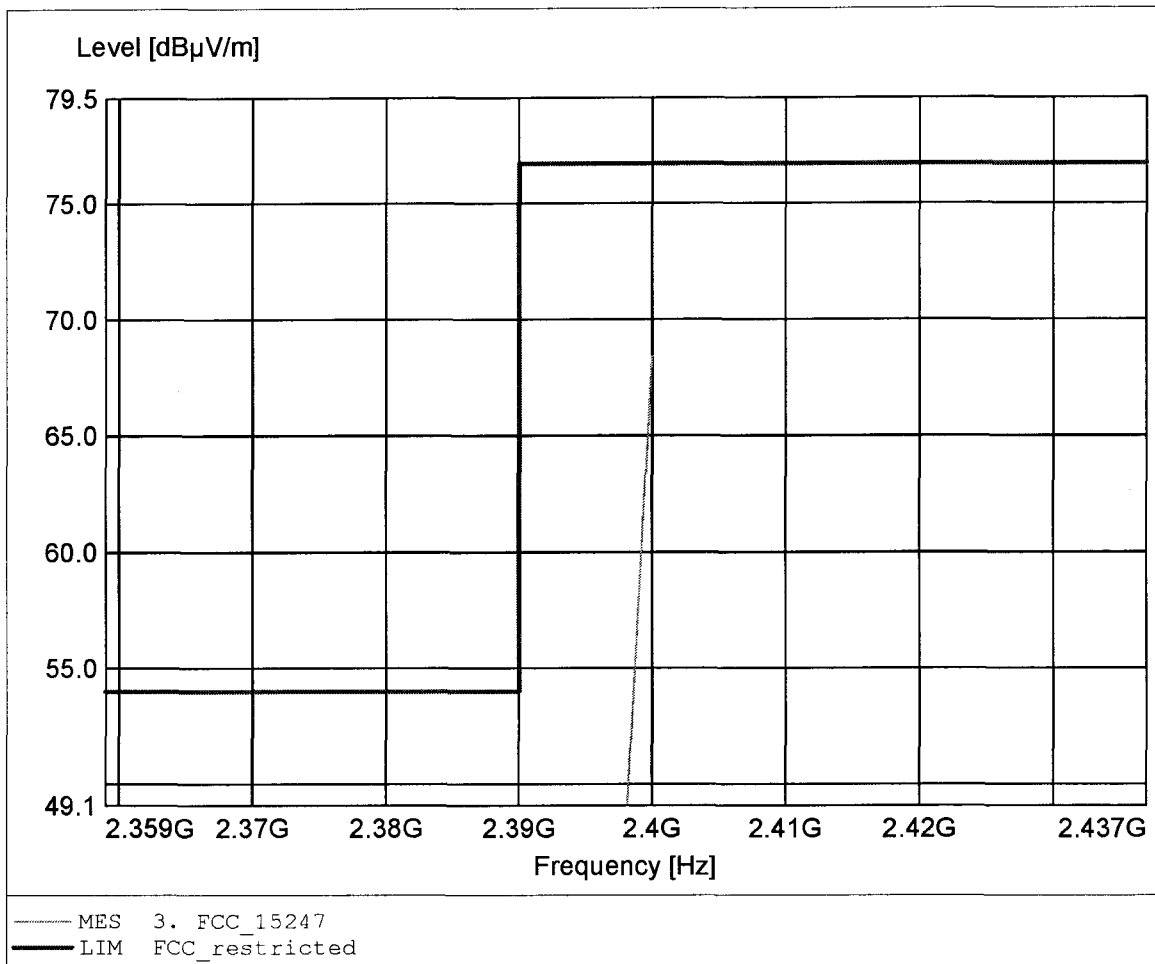
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.400GHz, Emax: 68.43dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

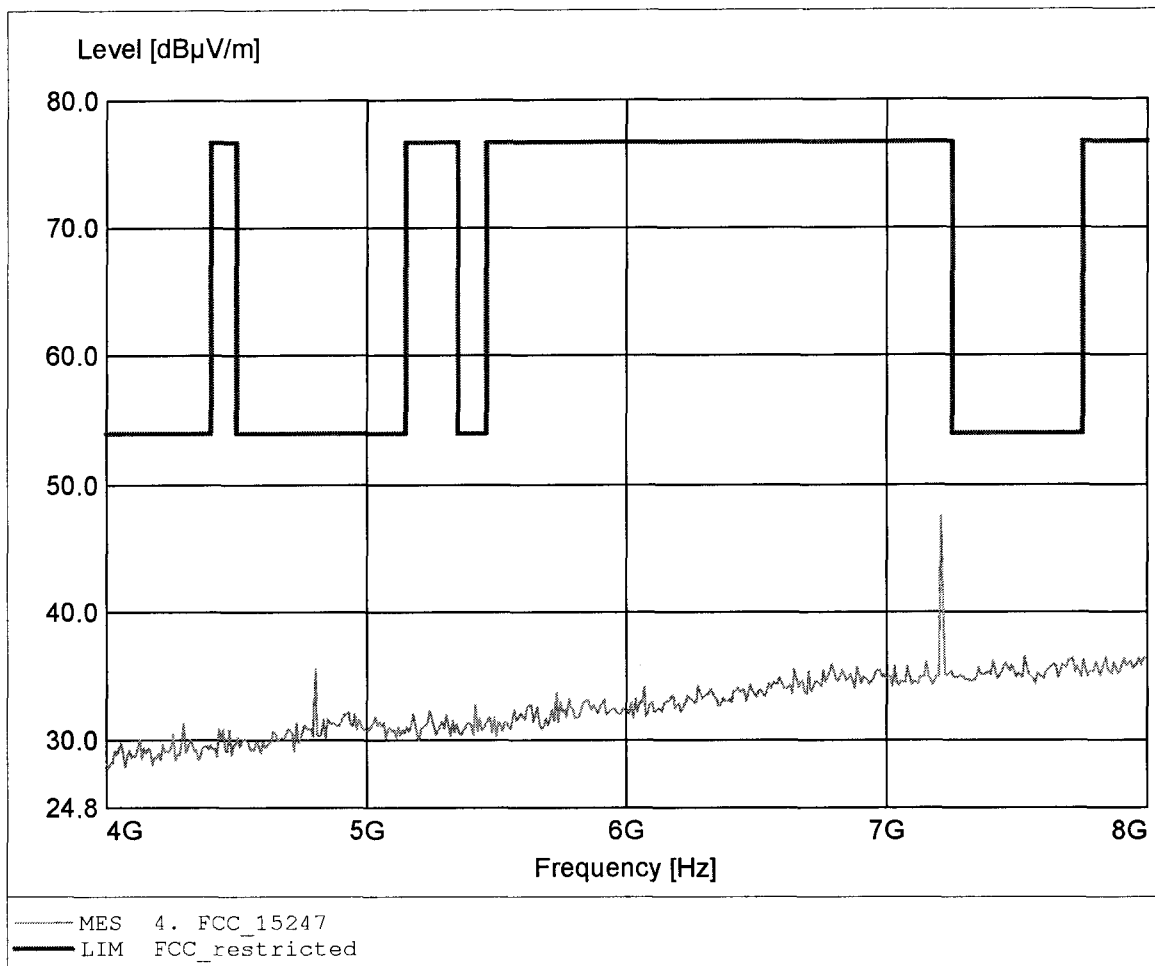
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.400GHz, Emax: 68.43dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

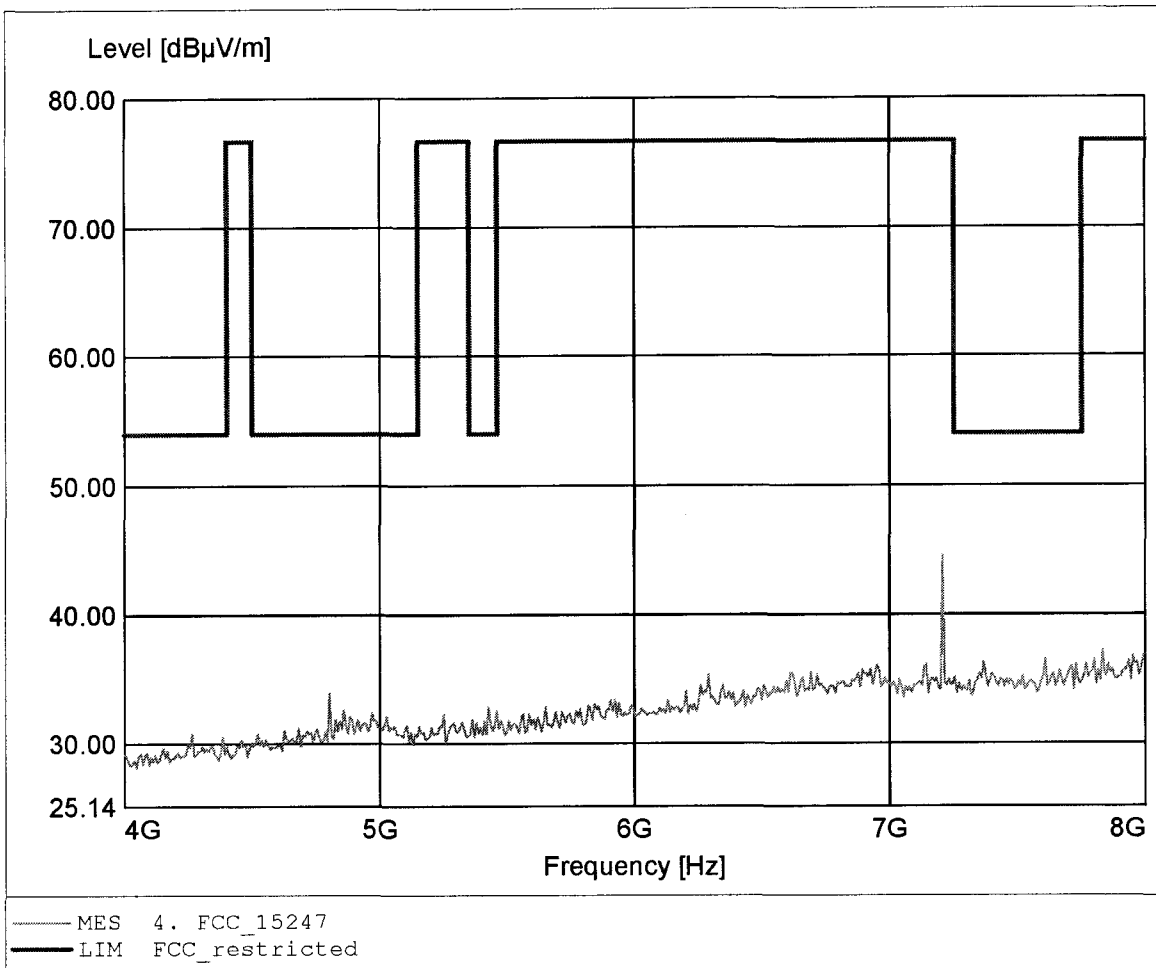
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.206GHz, Emax: 47.59dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

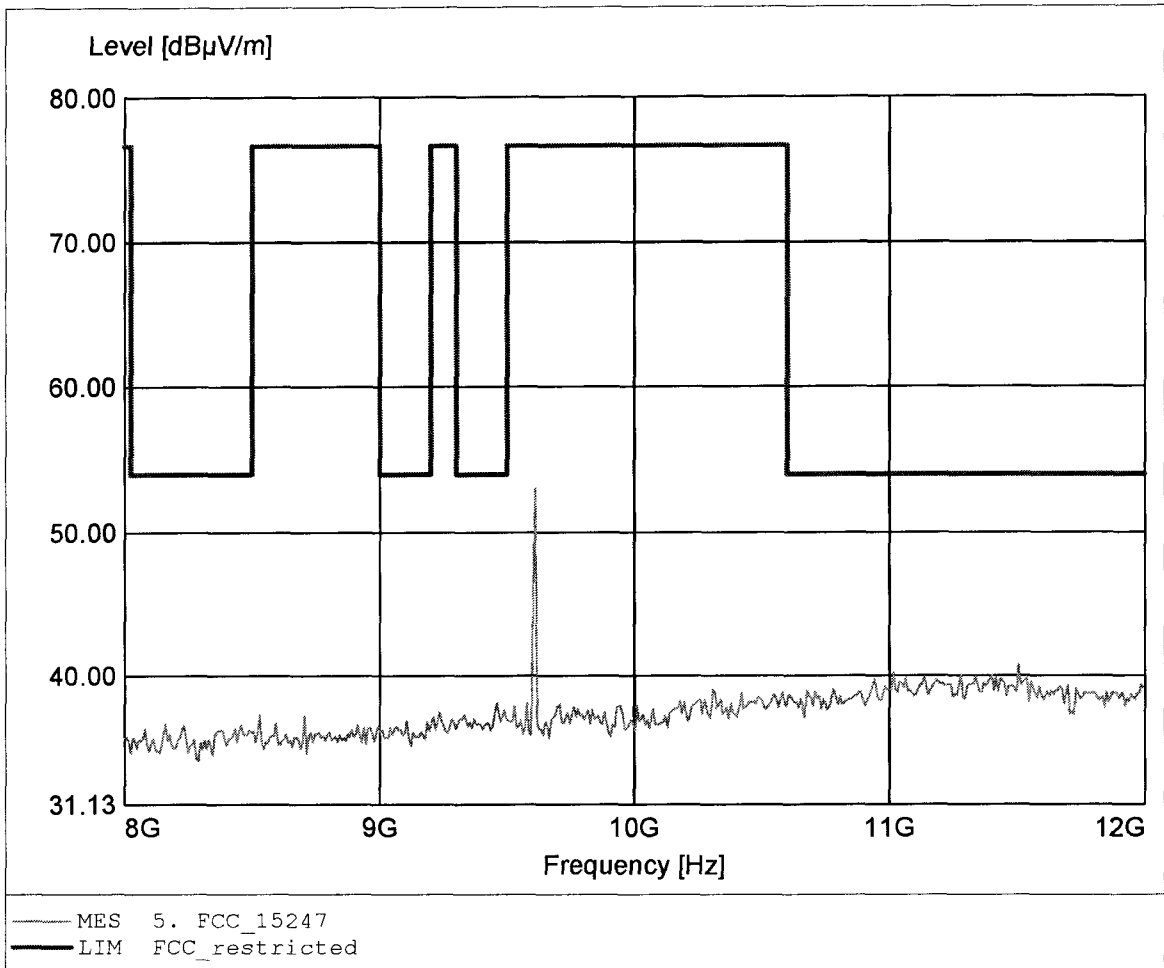
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.206GHz, Emax: 44.60dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

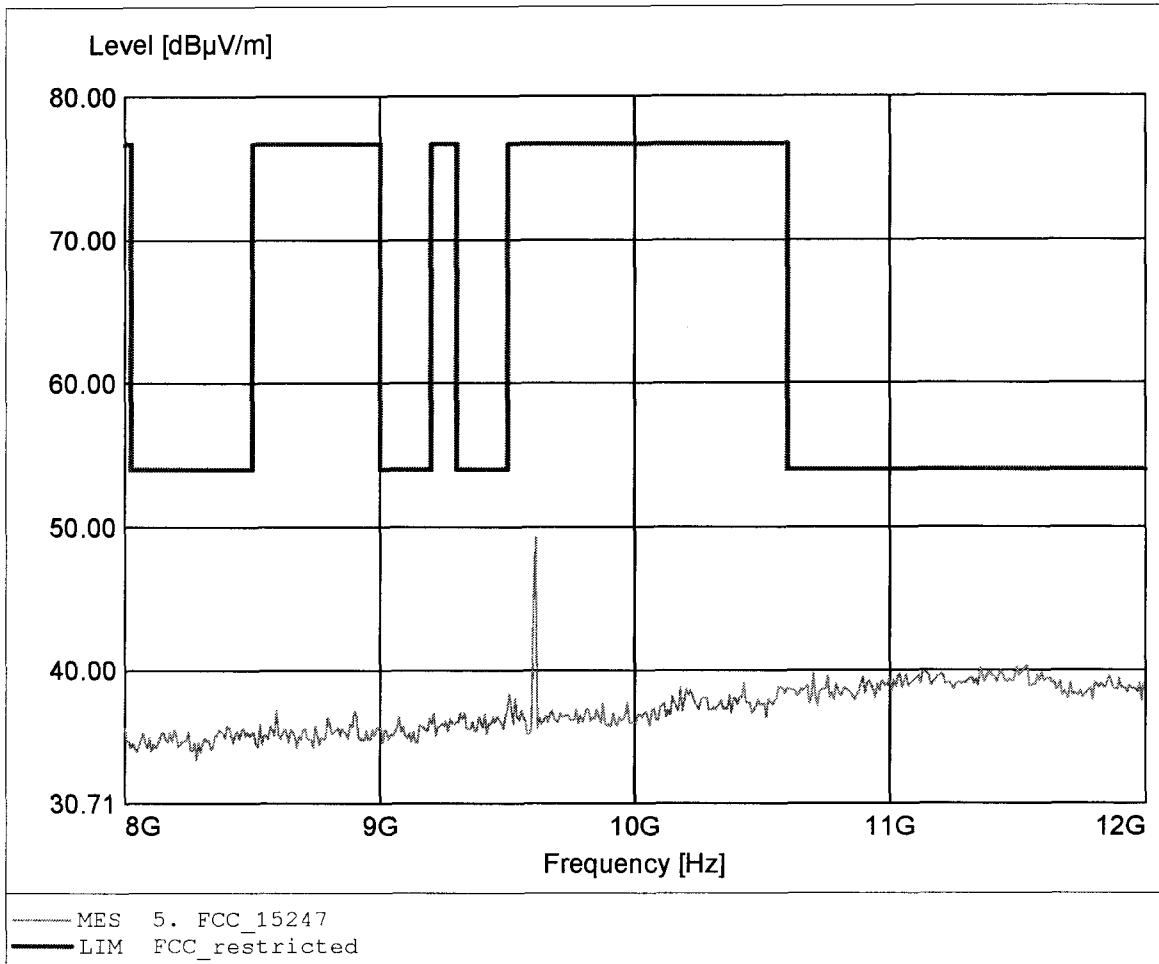
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.611GHz, Emax: 53.03dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.611GHz, Emax: 49.29dBµV/m, RBW: 1MHz

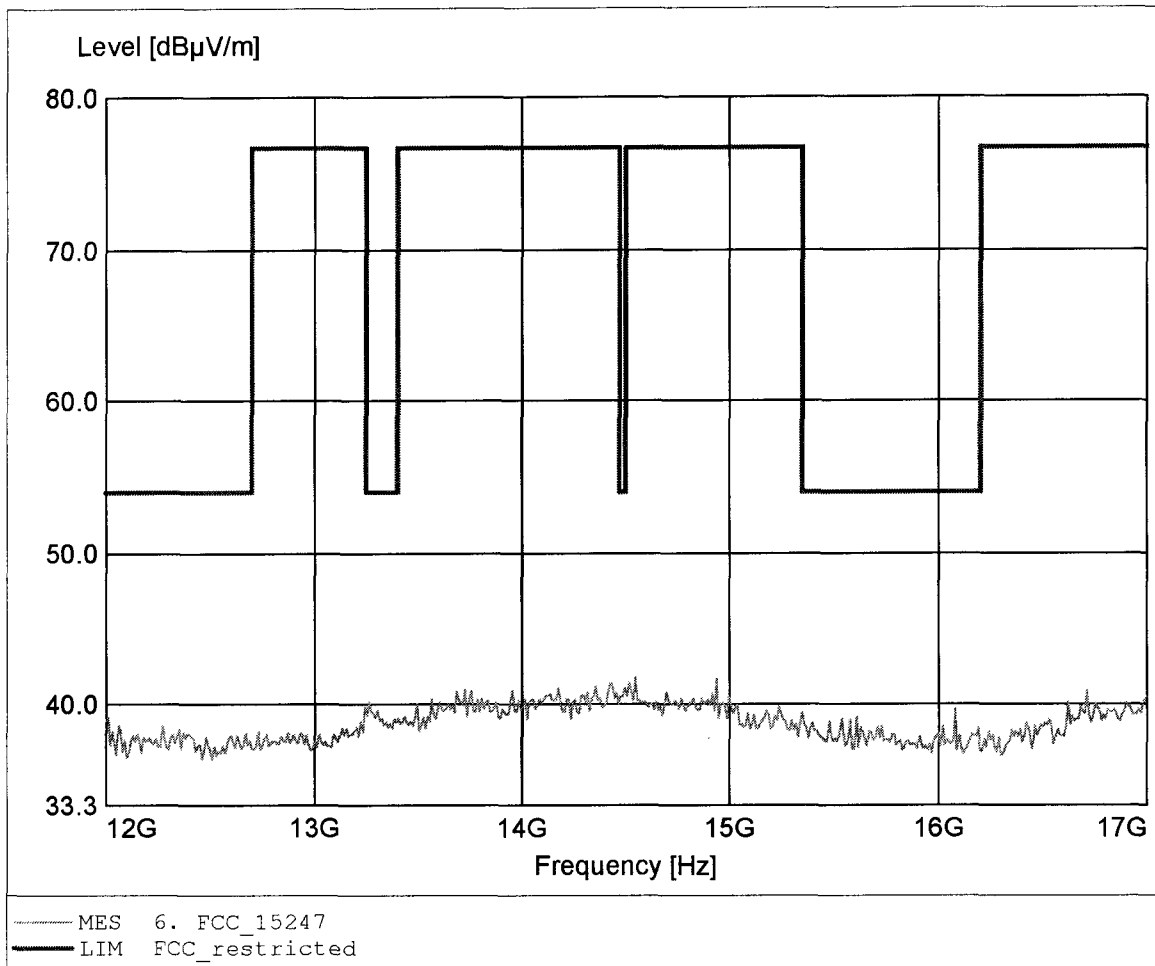




**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

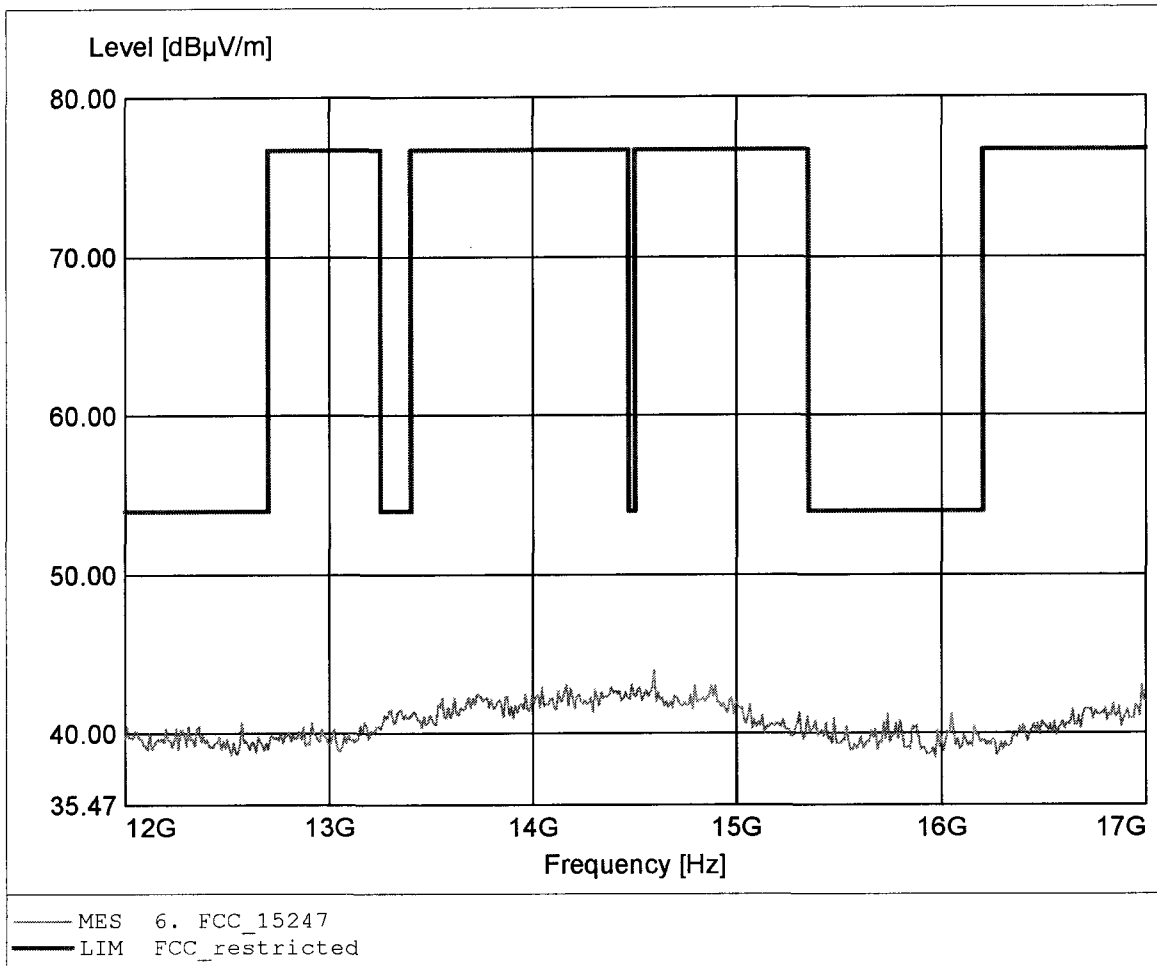
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.545GHz, Emax: 41.77dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

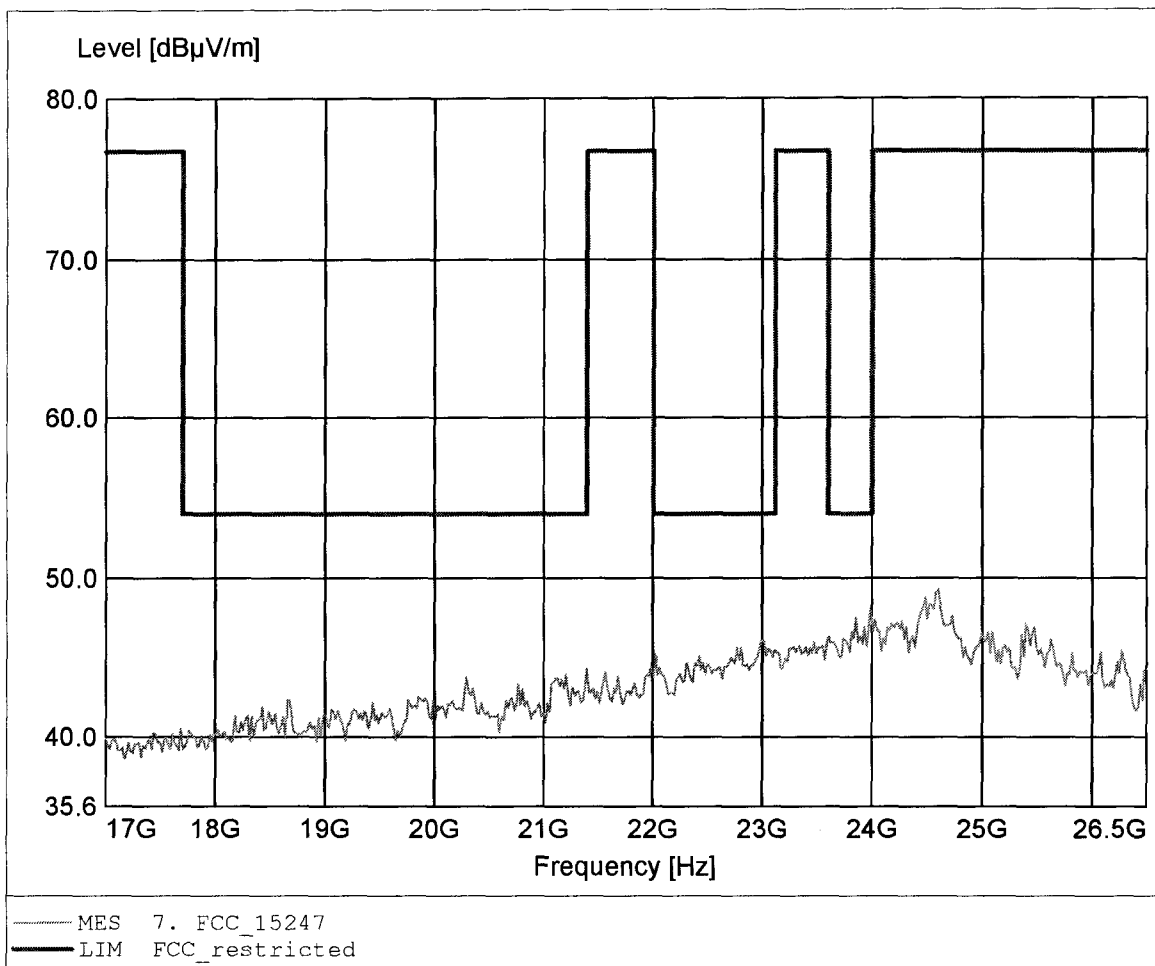
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.595GHz, Emax: 43.97dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

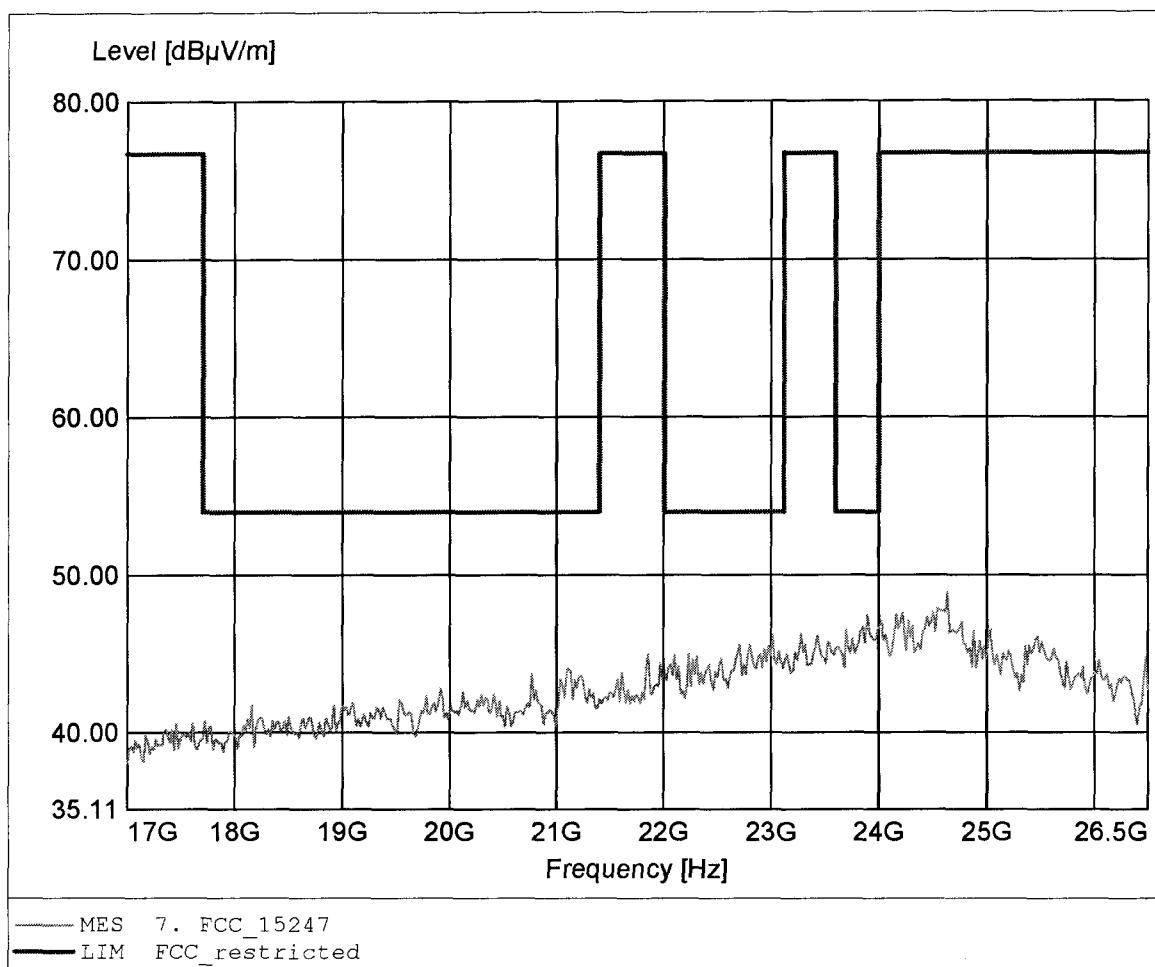
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.596GHz, Emax: 49.30dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

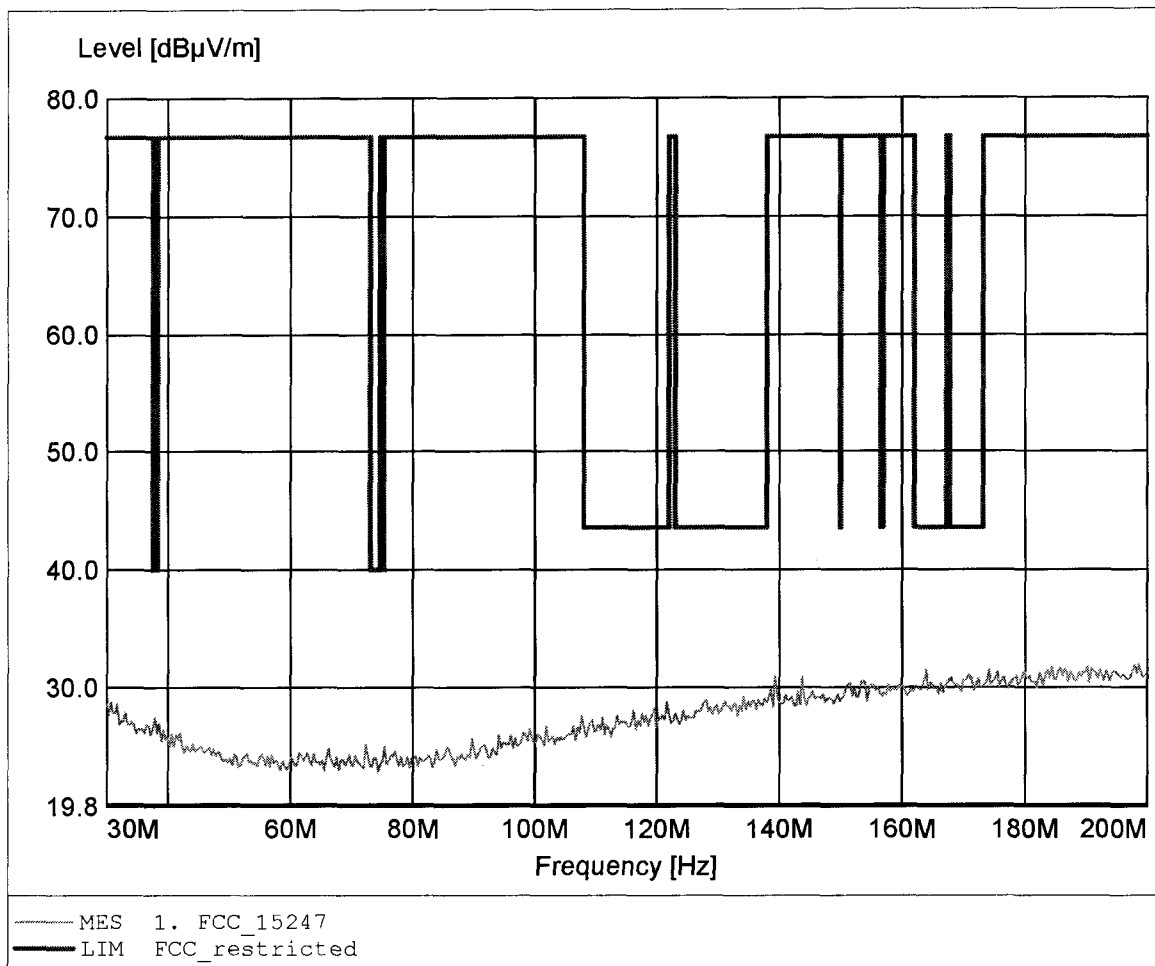
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2402 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.634GHz, Emax: 48.92dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

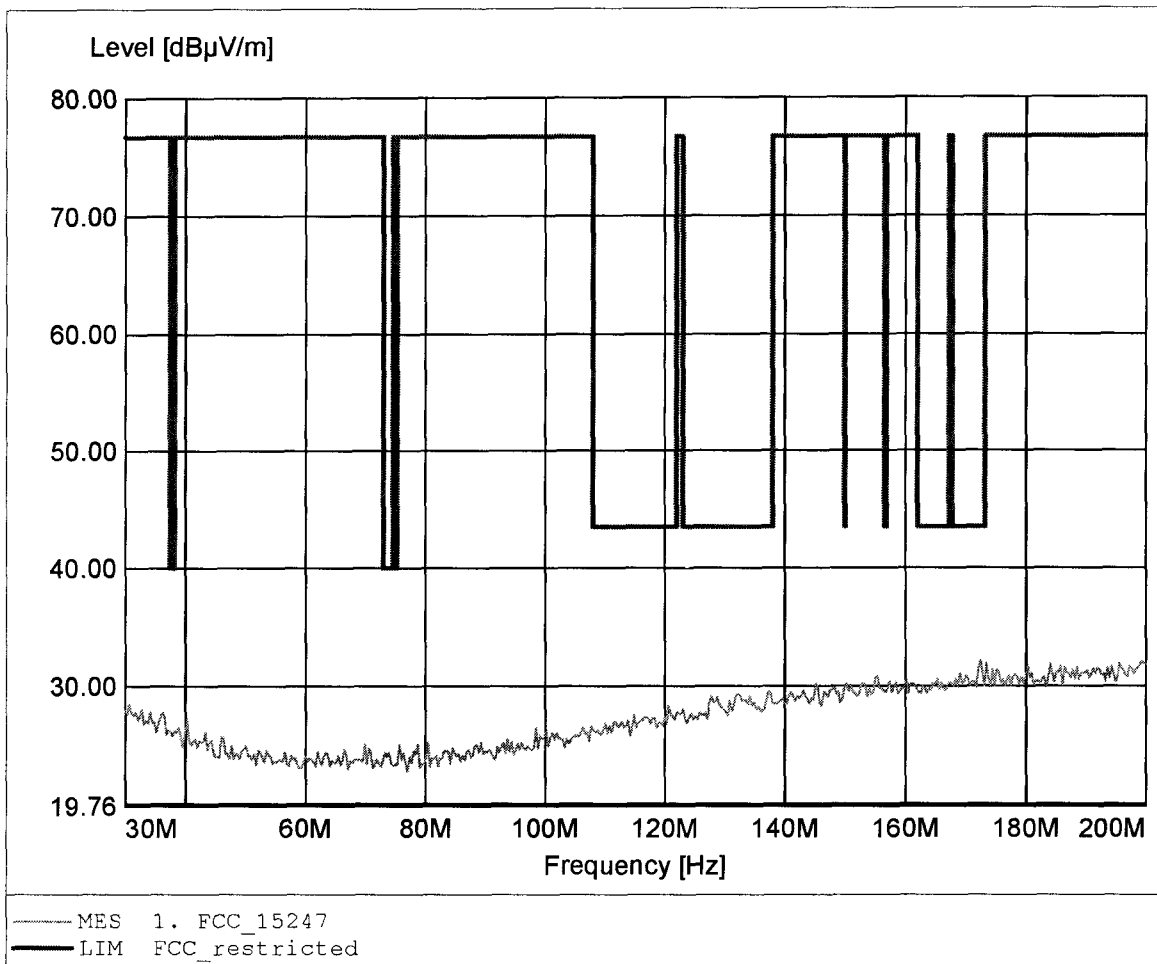
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 198.637MHz, Emax: 31.99dBμV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

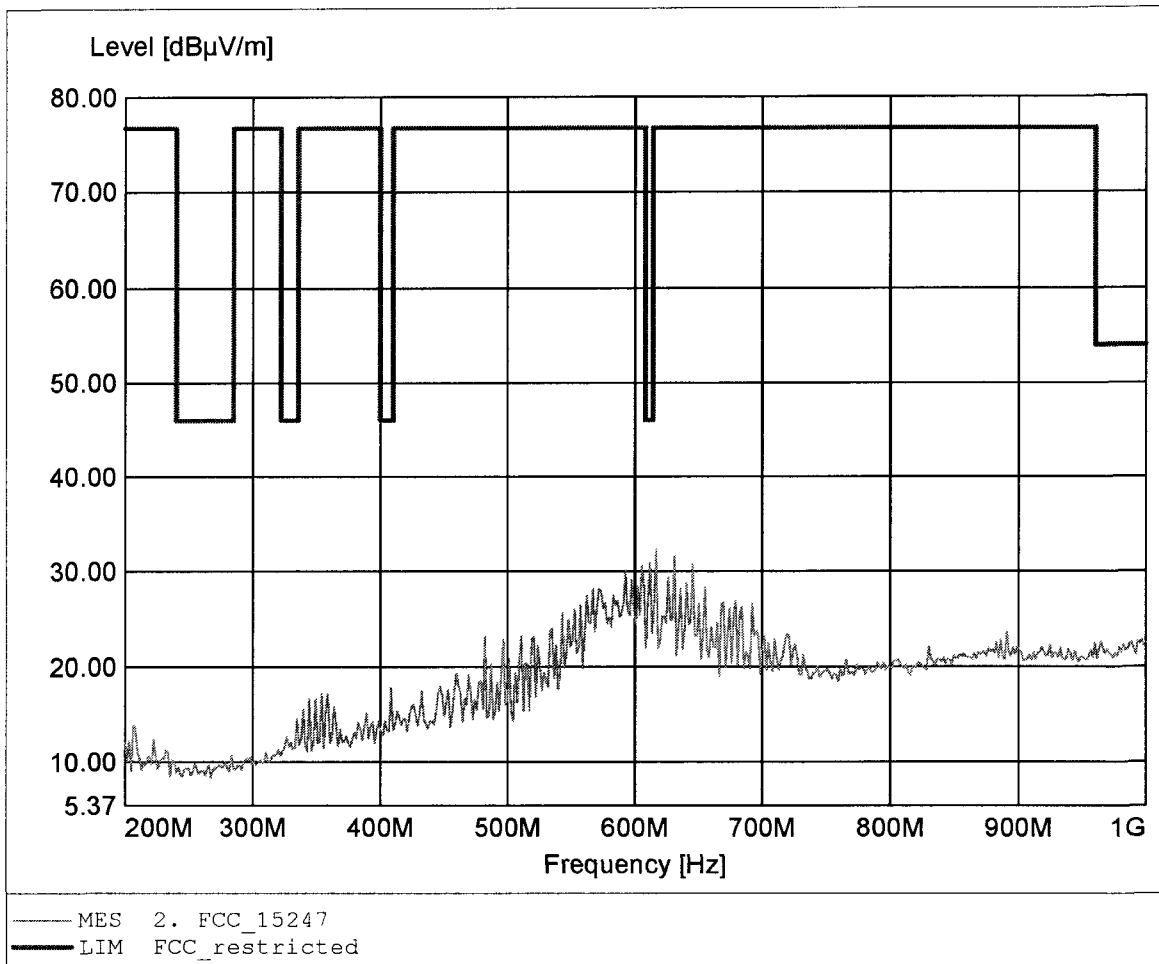
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 172.405MHz, Emax: 32.12dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

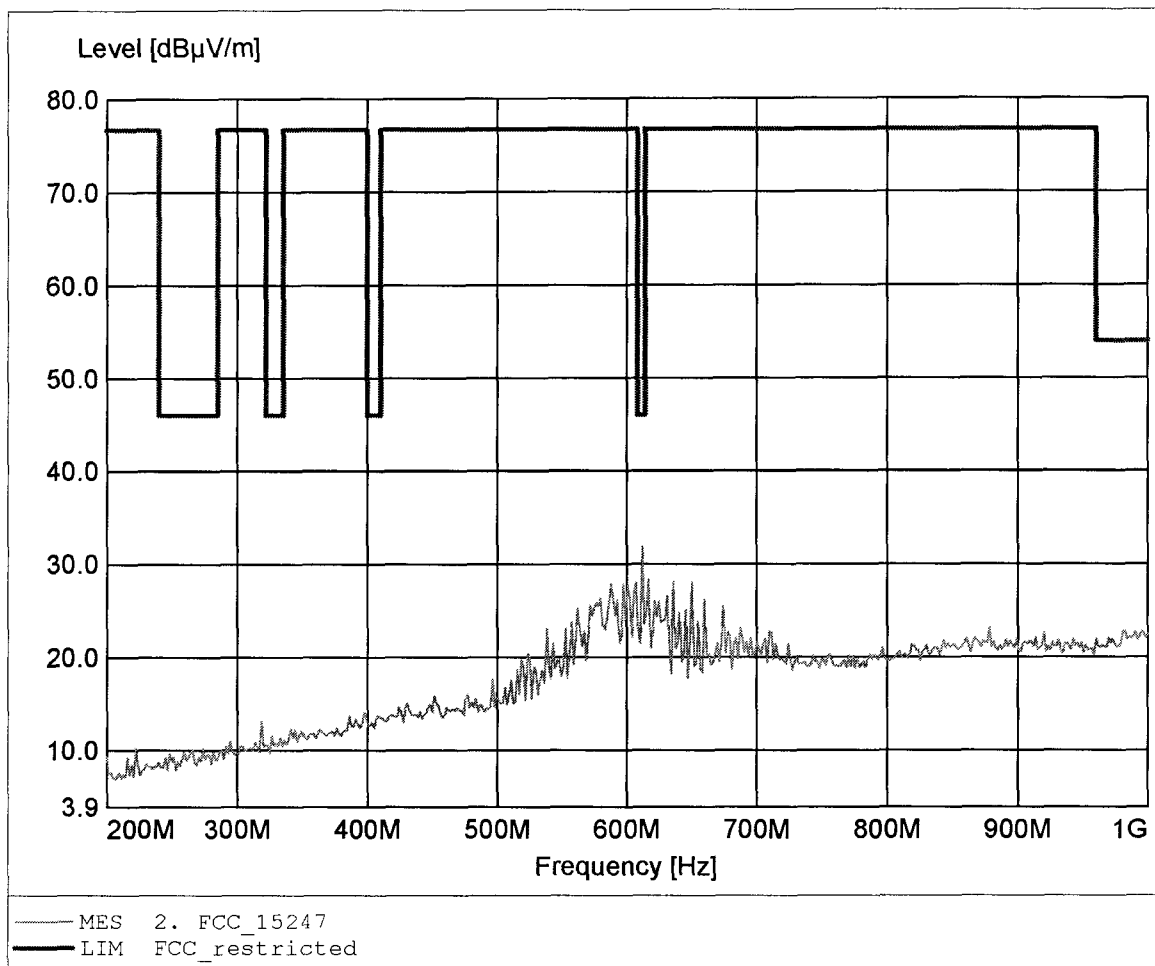
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 616.834MHz, Emax: 32.24dBµV/m, RBW: 100kHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 612.024MHz, Emax: 31.85dBµV/m, RBW: 100kHz

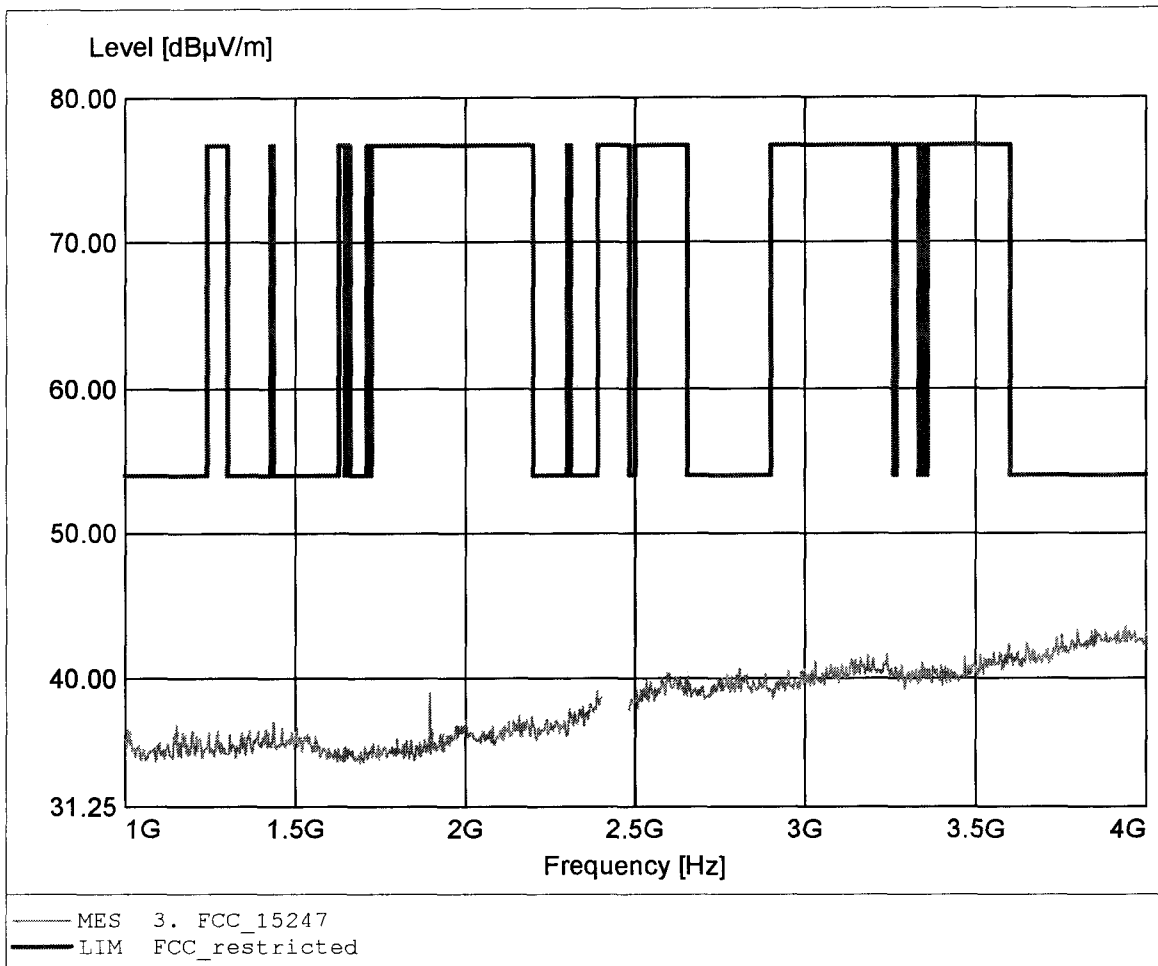




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

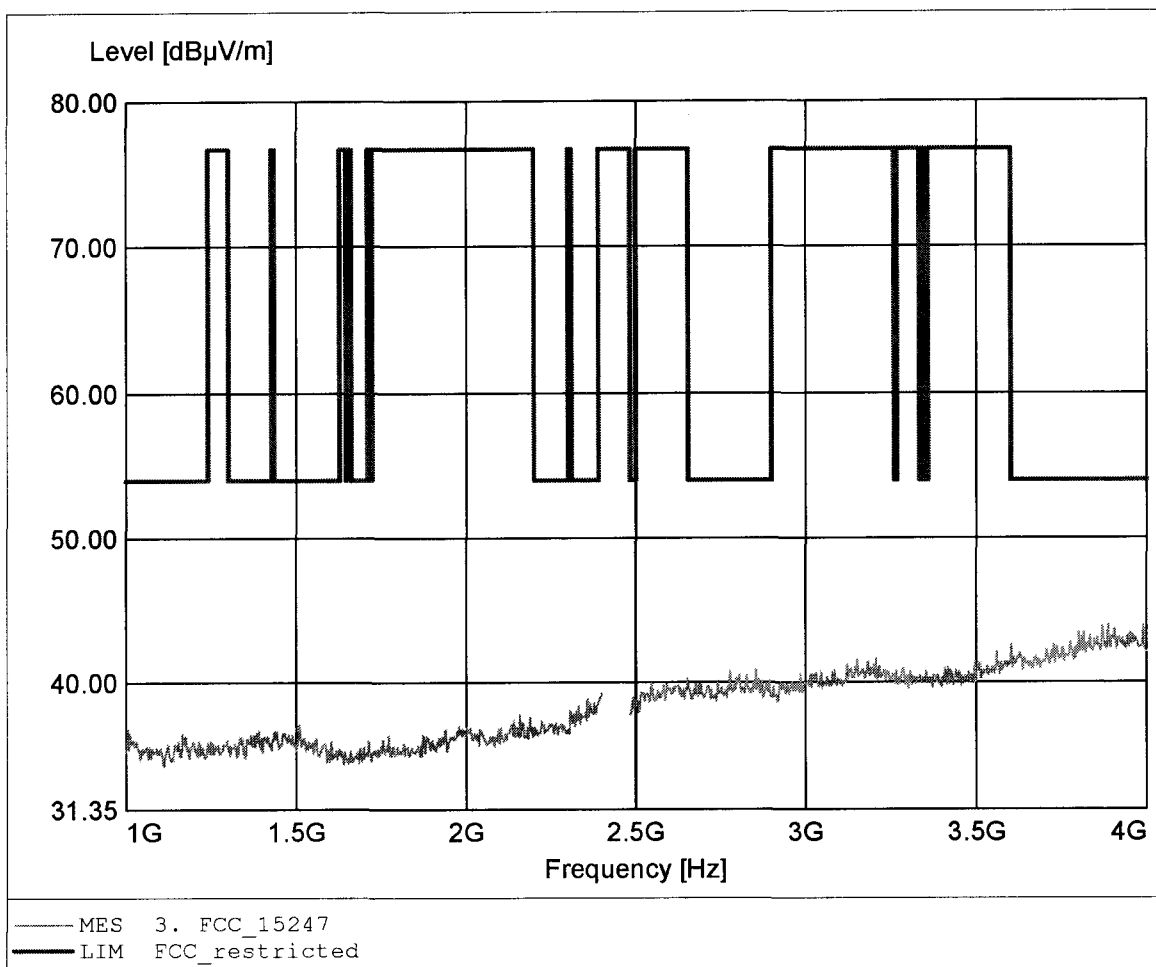
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 3.939GHz, Emax: 43.56dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

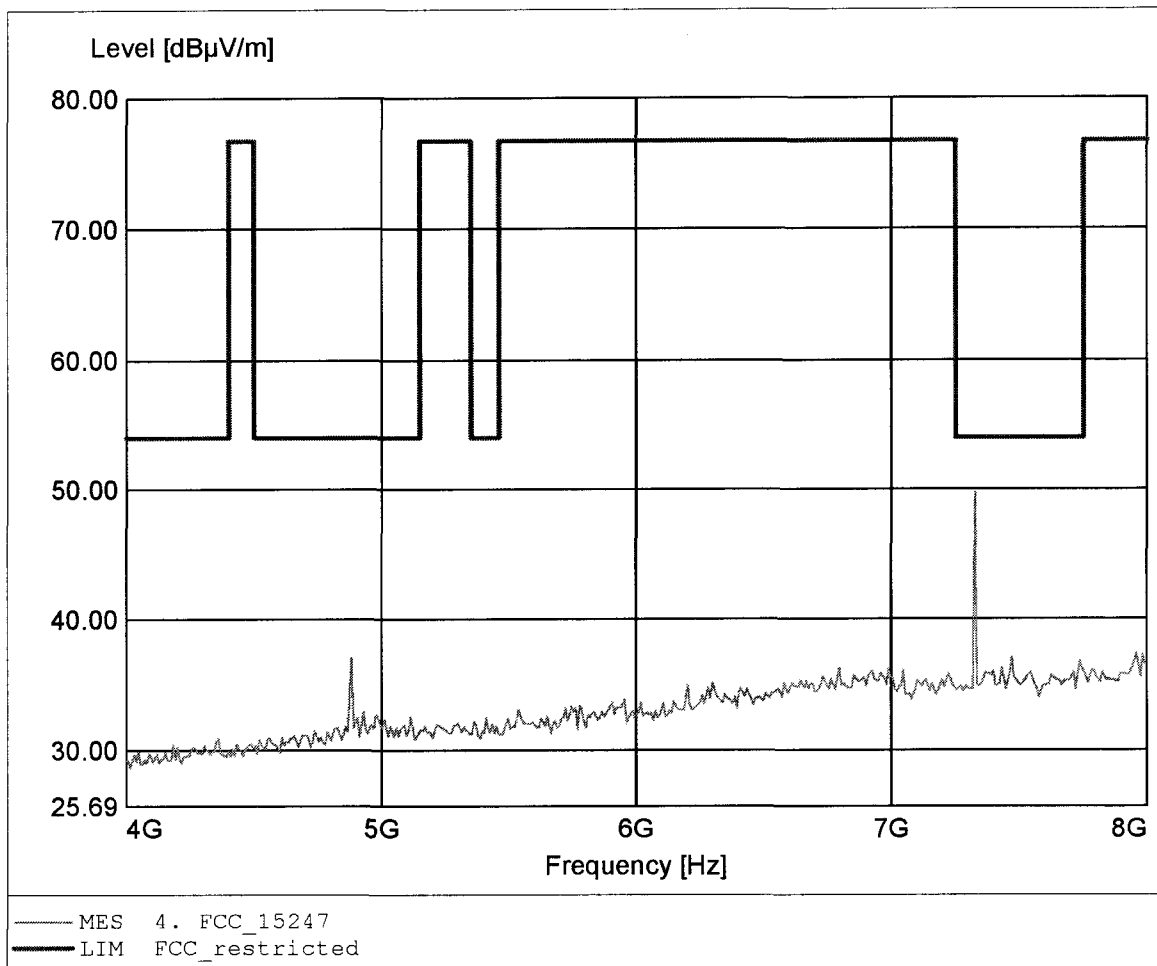
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 3.888GHz, Emax: 44.00dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

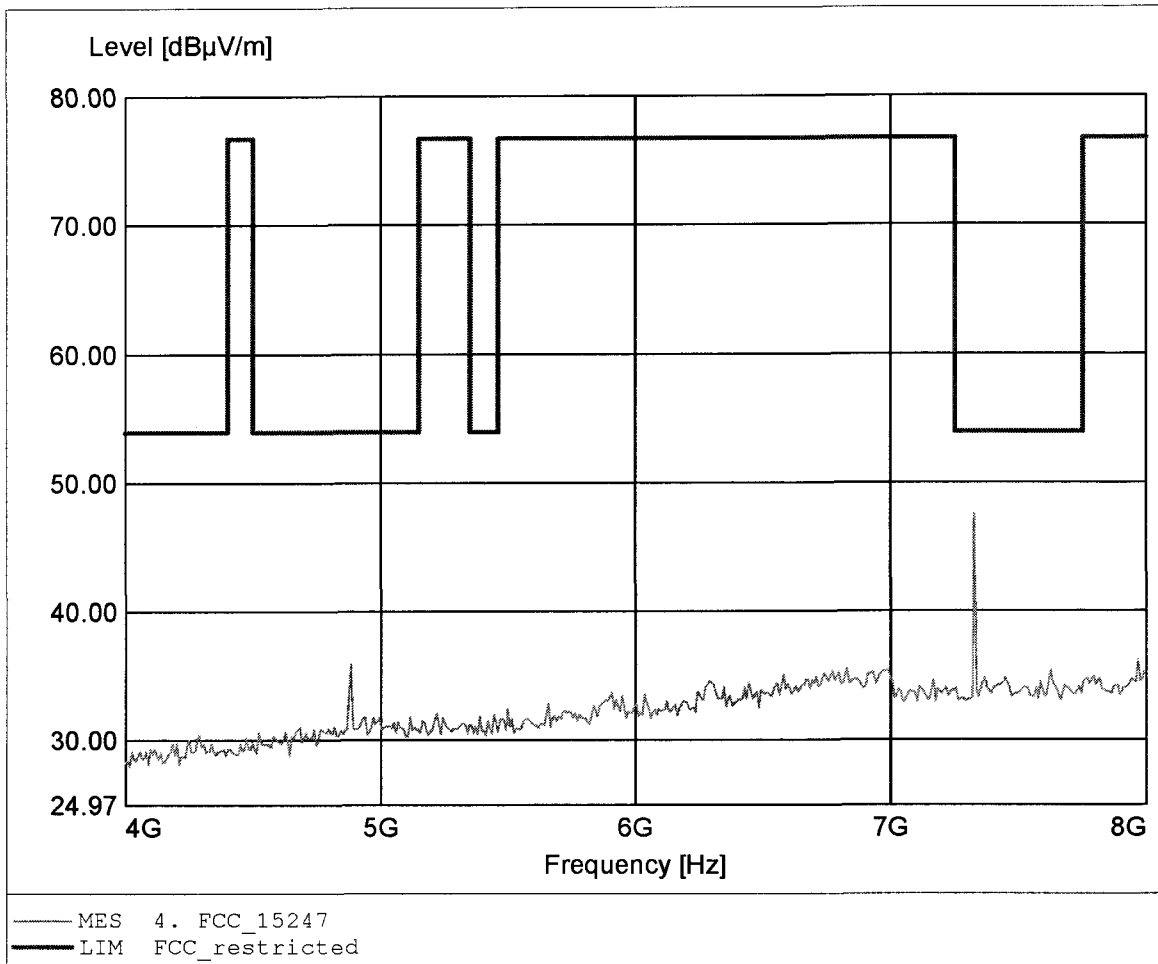
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.327GHz, Emax: 49.73dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

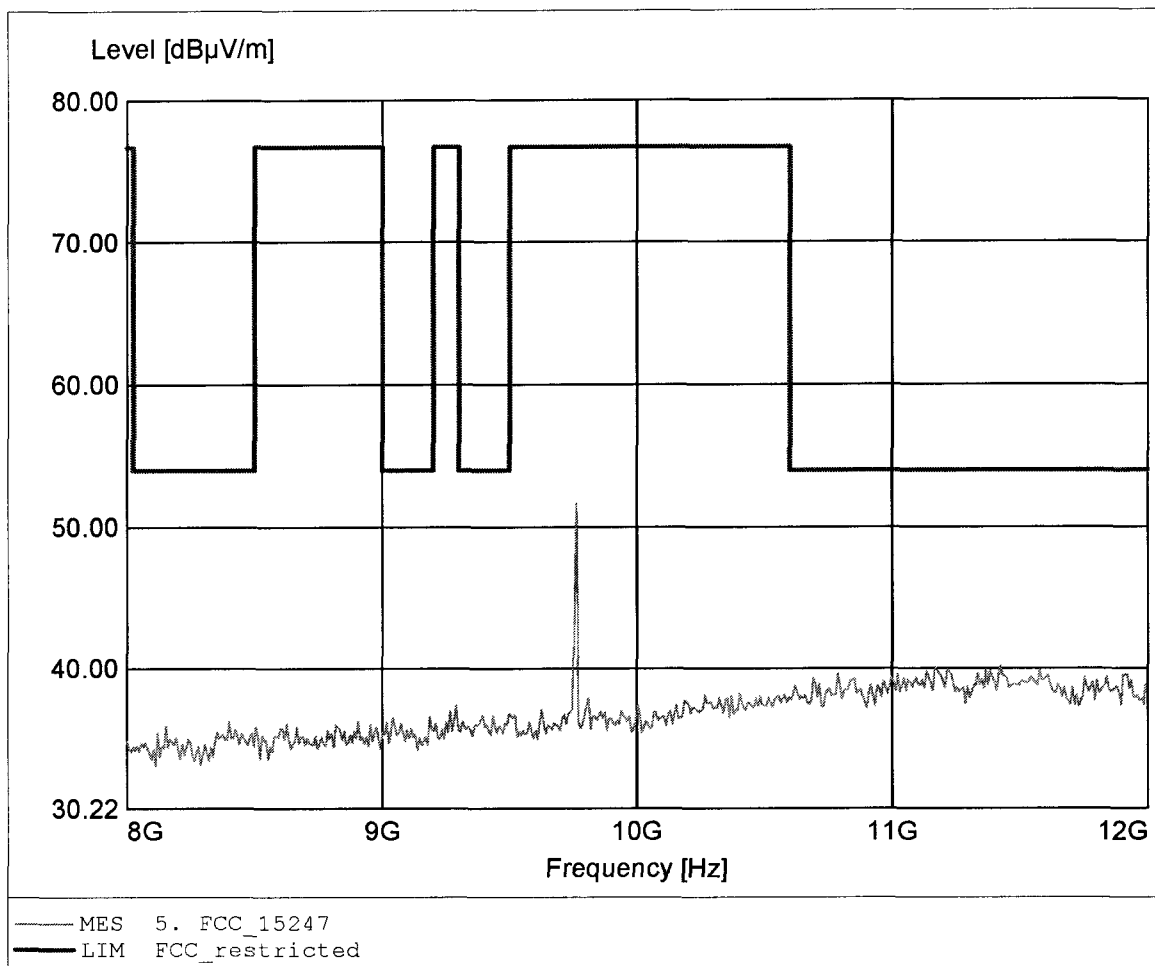
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.327GHz, Emax: 47.52dBμV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

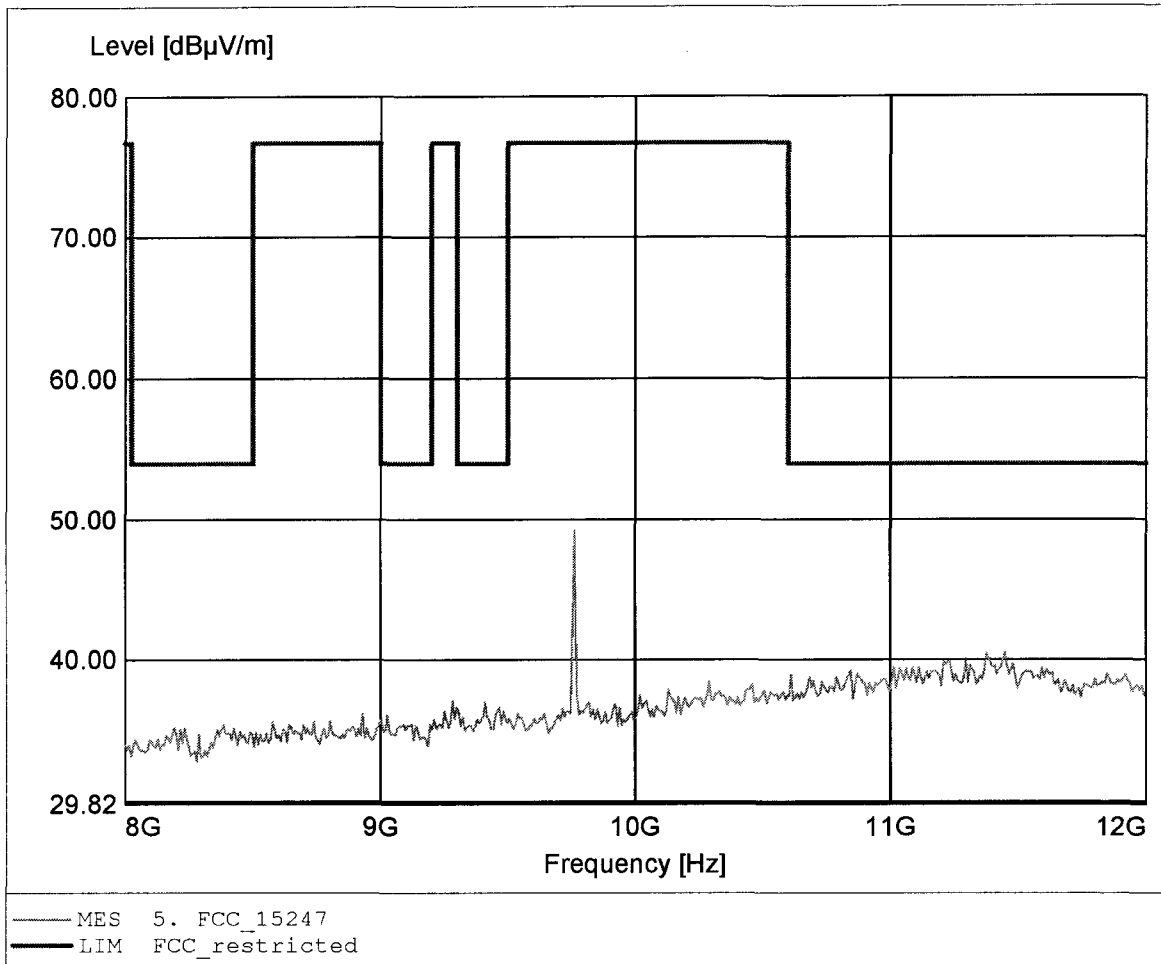
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.764GHz, Emax: 51.68dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

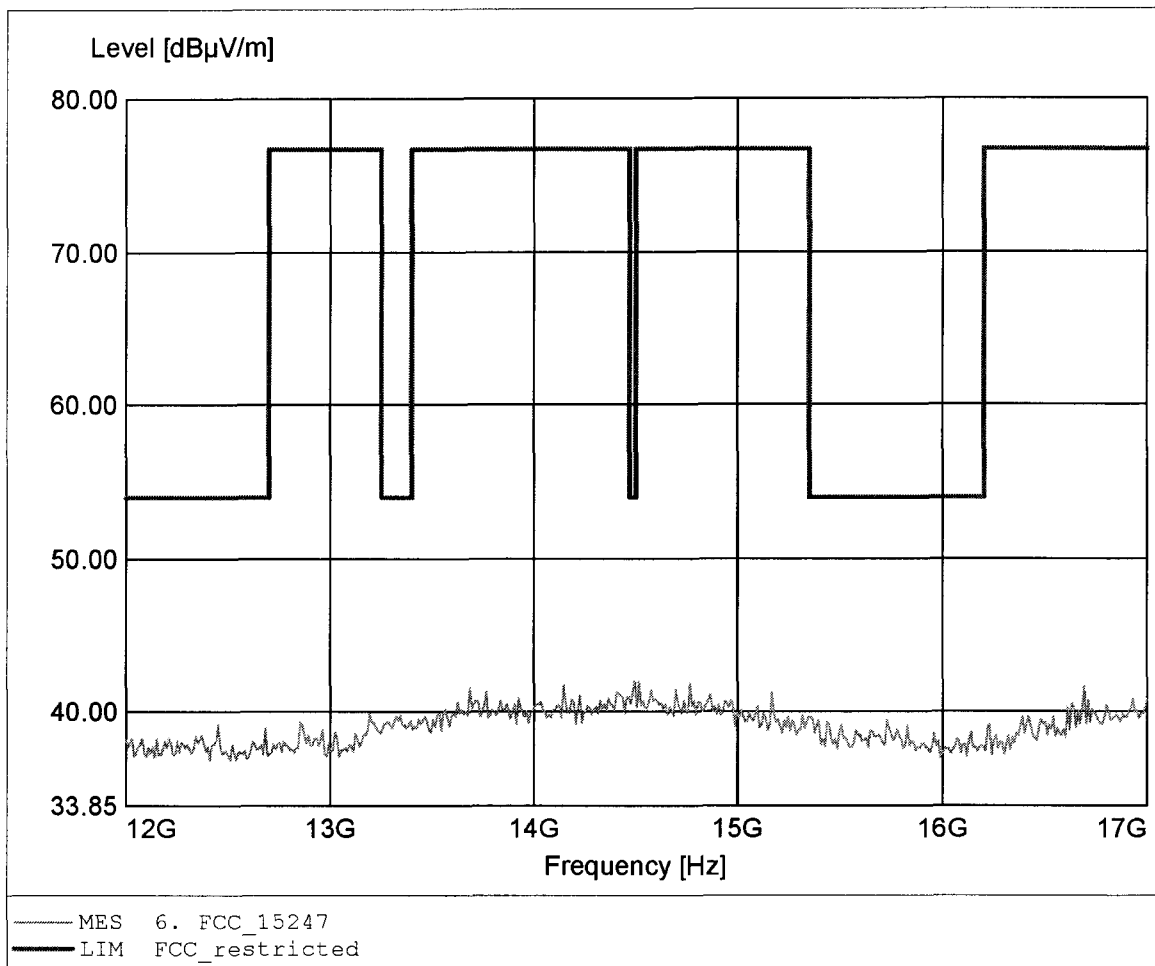
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.764GHz, Emax: 49.25dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

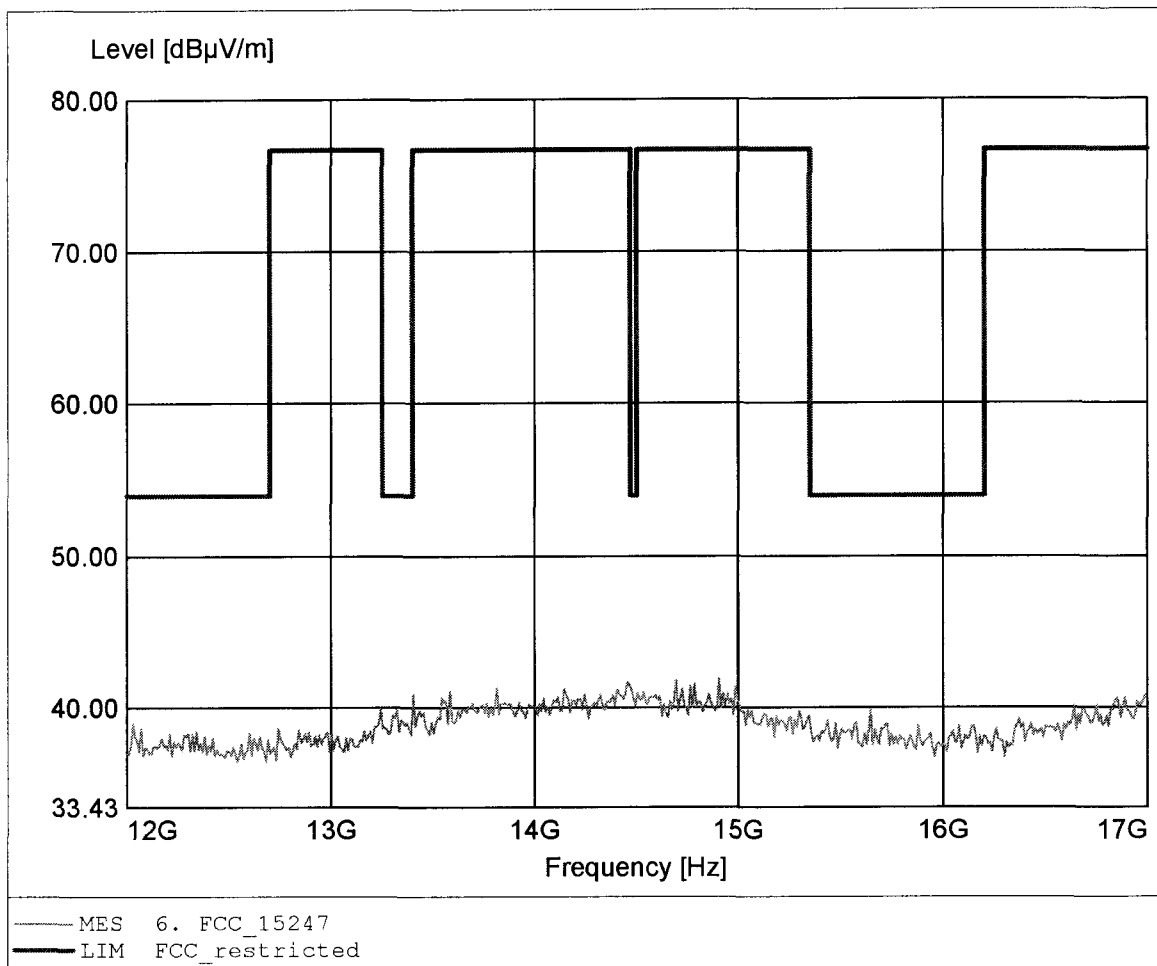
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.495GHz, Emax: 41.99dBuV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 14.906GHz, Emax: 41.91dBµV/m, RBW: 1MHz

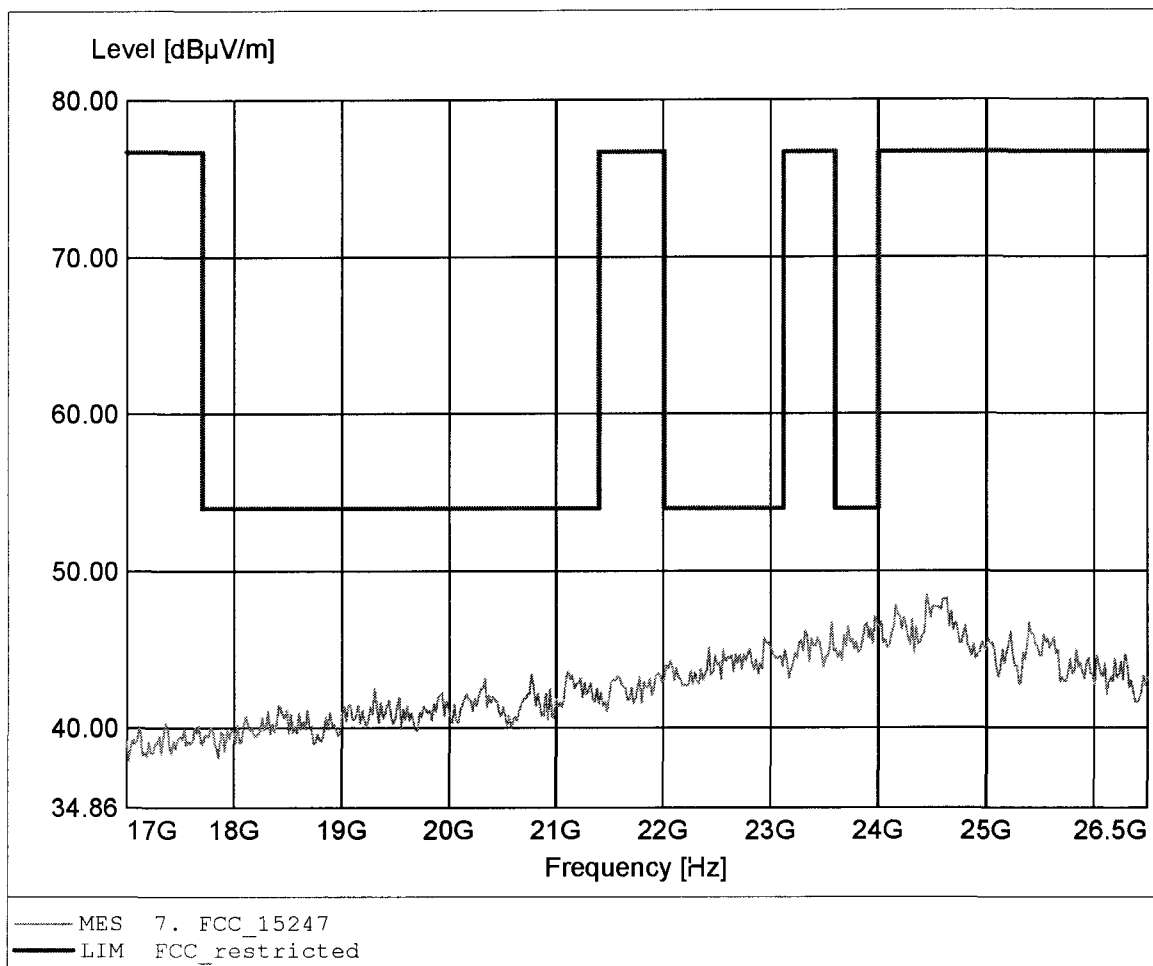




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

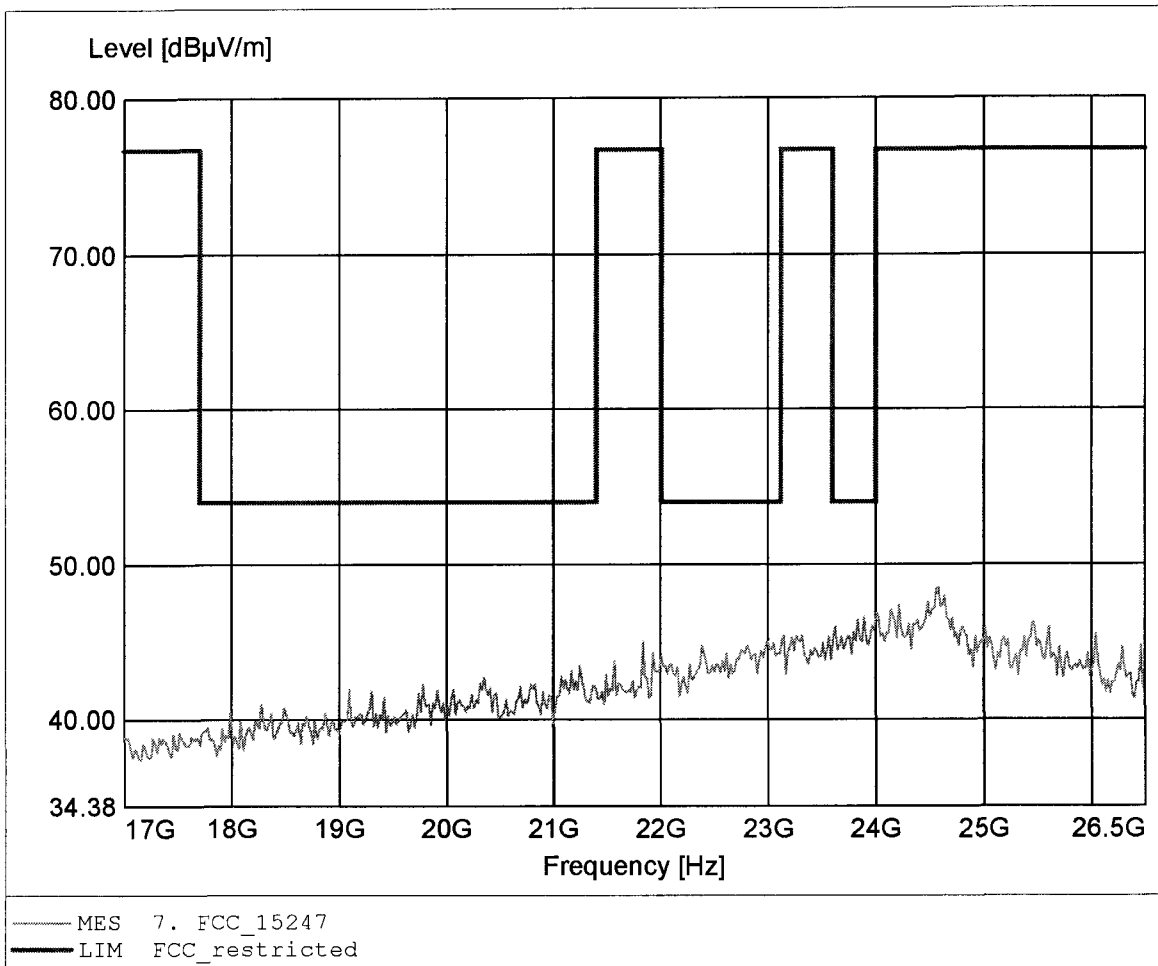
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.444GHz, Emax: 48.48dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

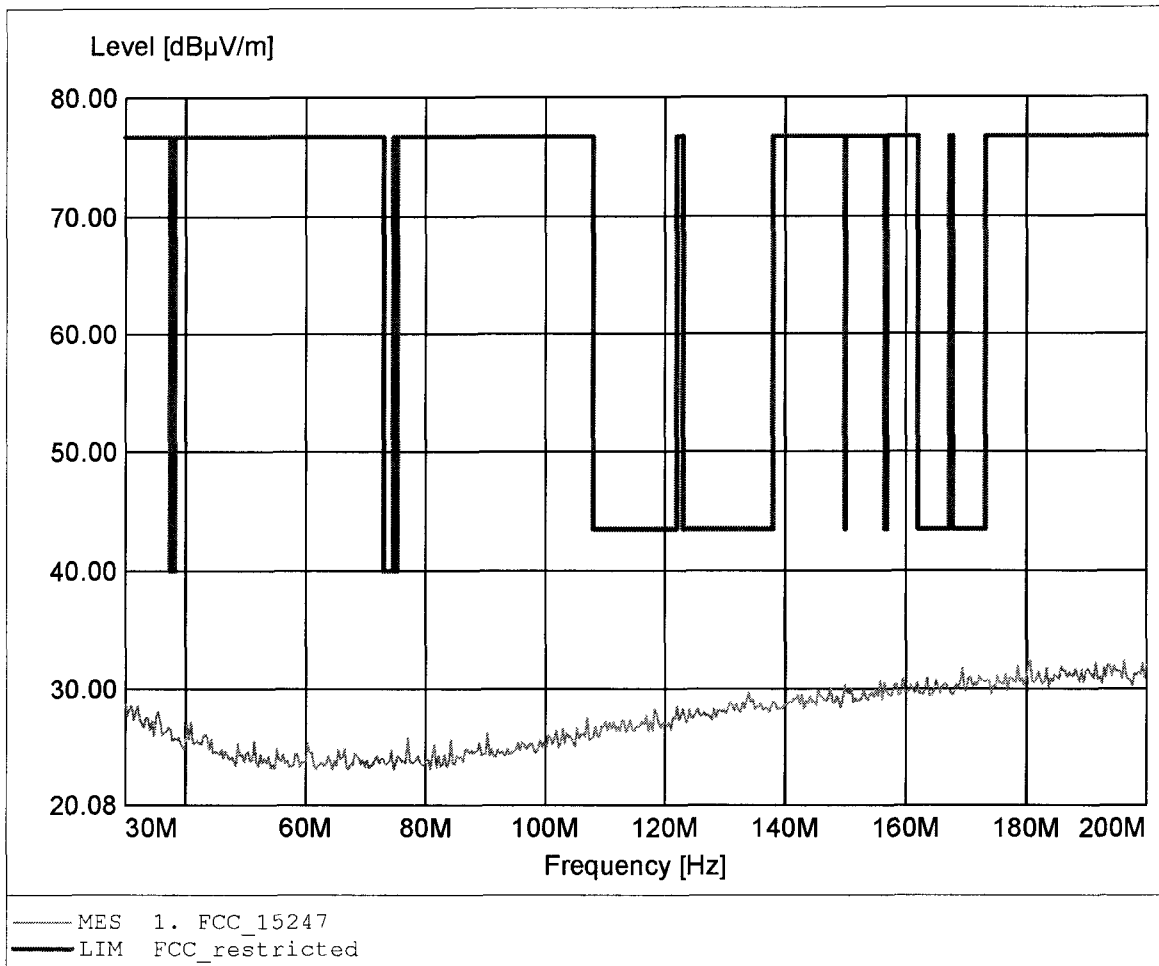
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2441 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.577GHz, Emax: 48.47dBuV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

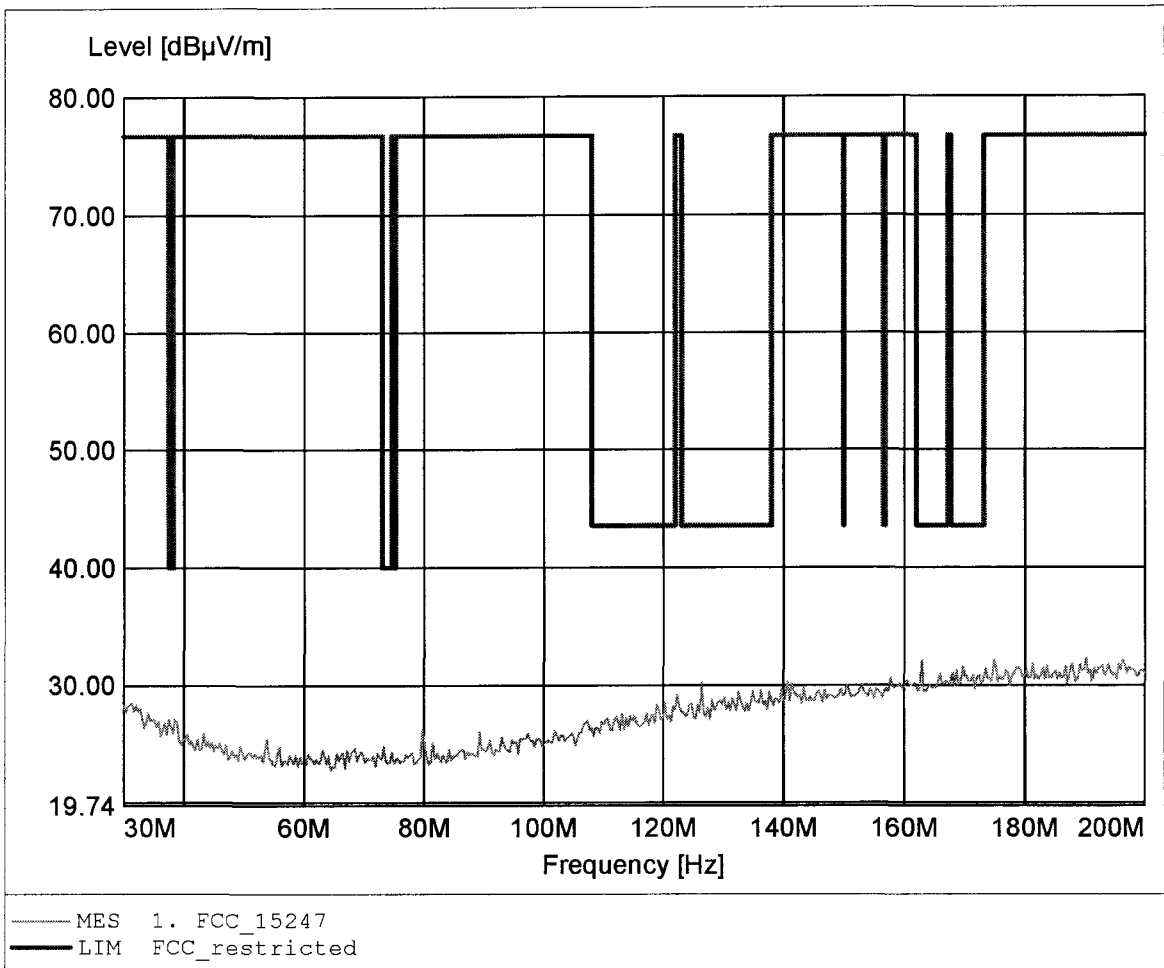
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 196.253MHz, Emax: 32.36dB $\mu$ V/m, RBW: 100kHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

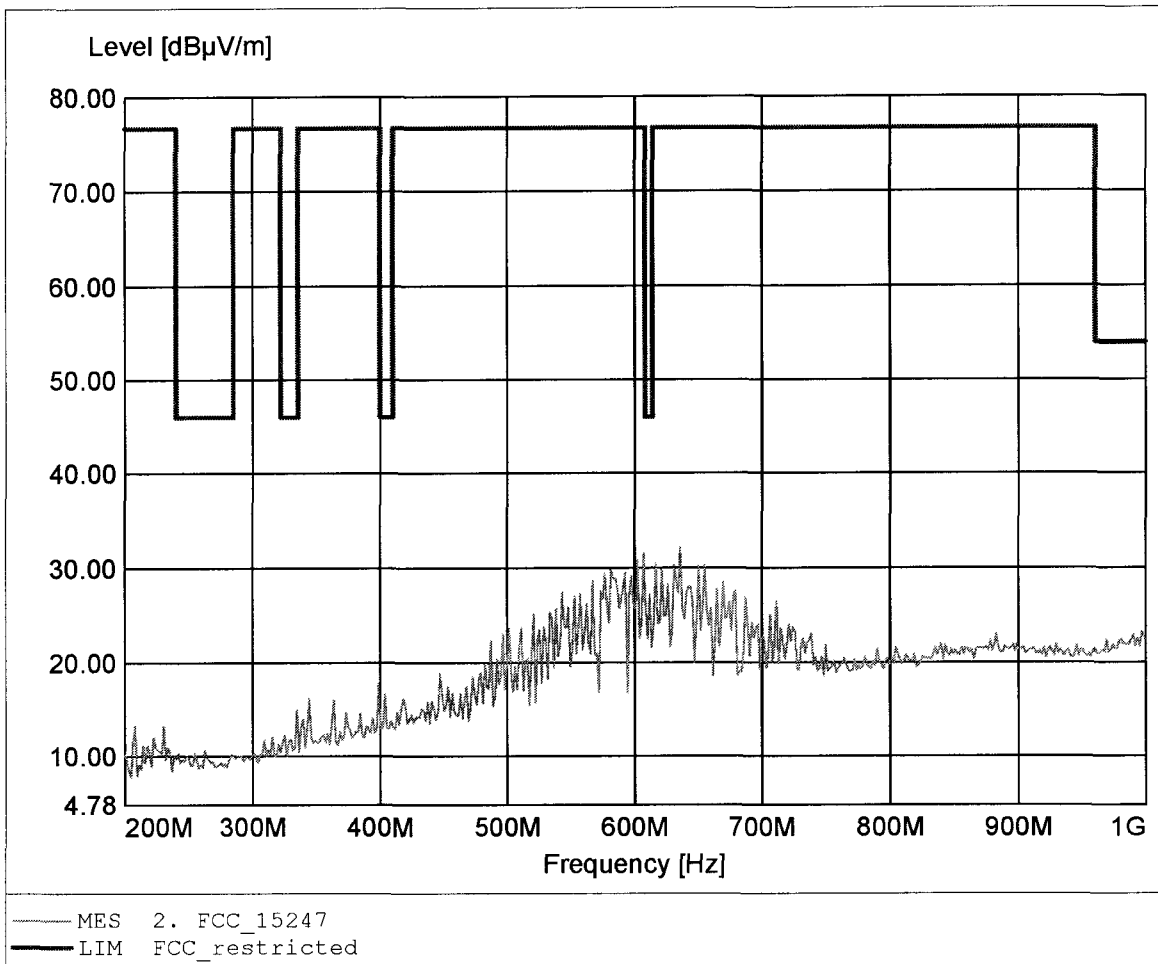
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 190.120MHz, Emax: 32.33dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

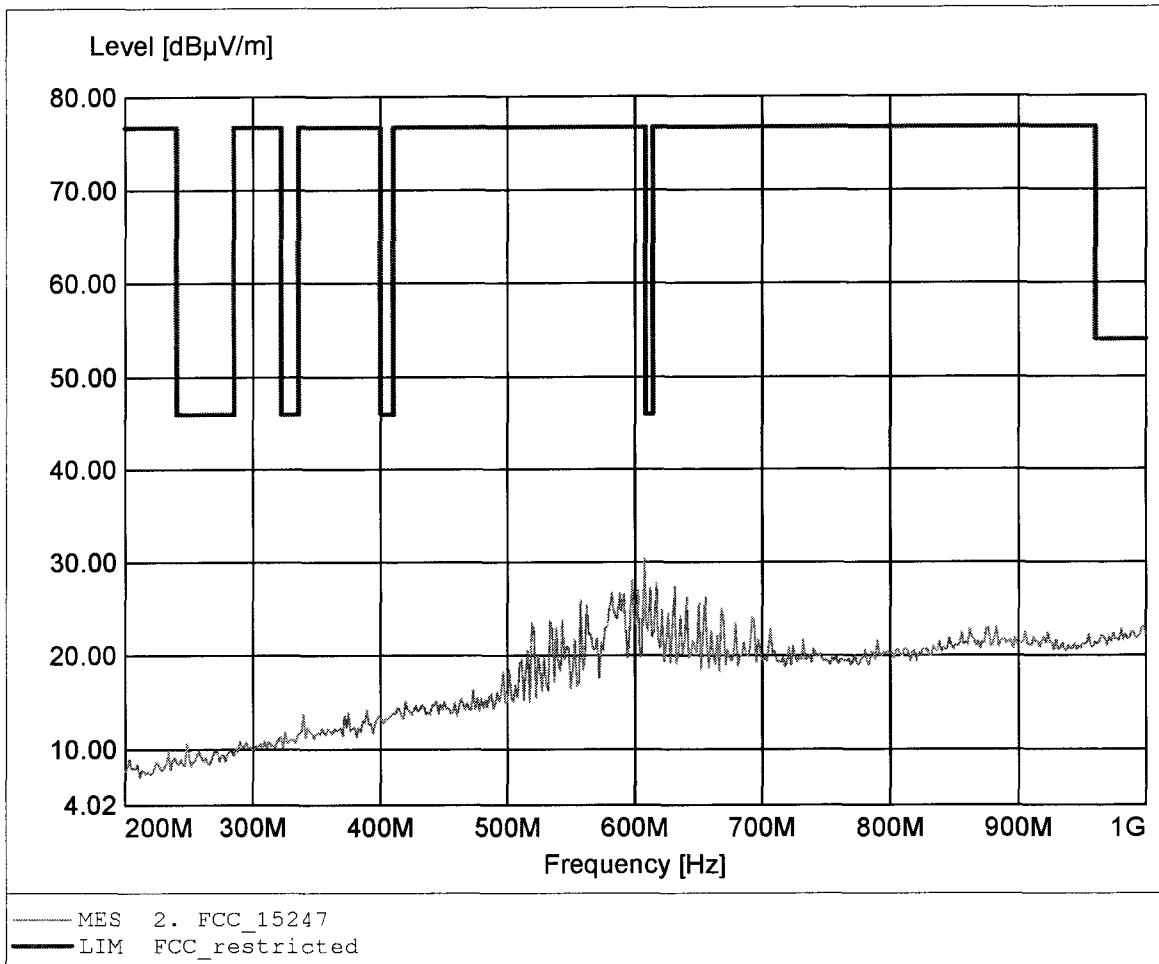
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 636.072MHz, Emax: 32.18dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

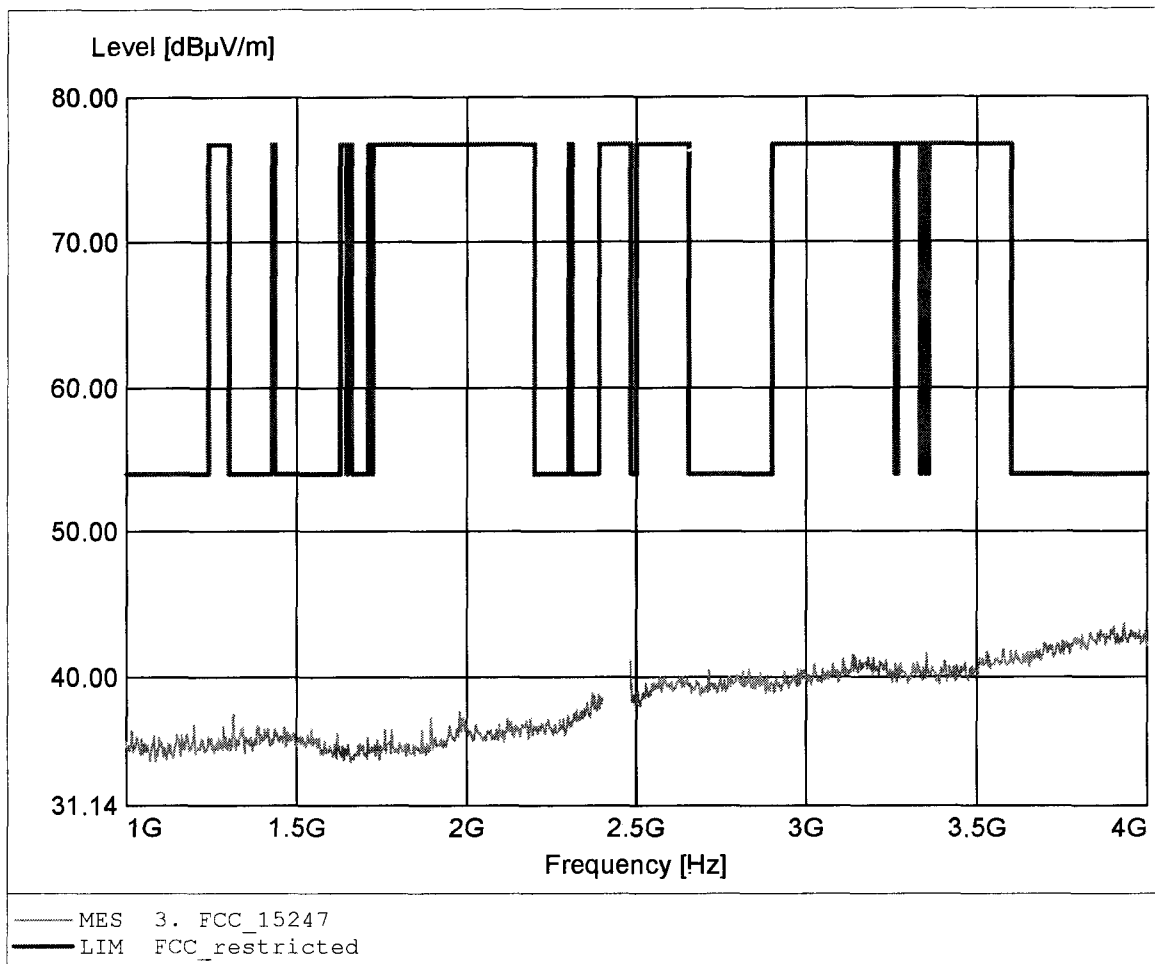
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 607.214MHz, Emax: 30.35dB $\mu$ V/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

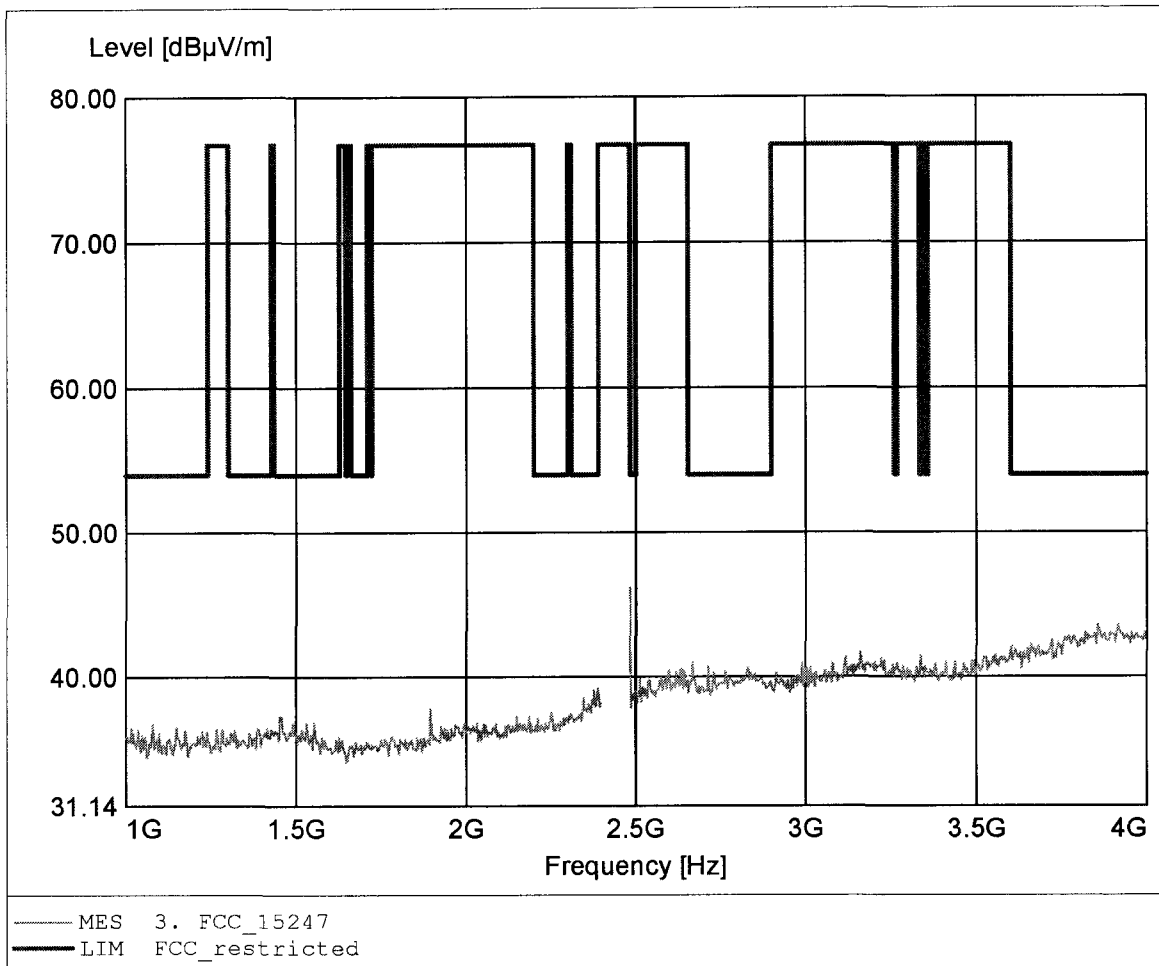
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 3.933GHz, Emax: 43.68dB $\mu$ V/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.484GHz, Emax: 46.18dBµV/m, RBW: 1MHz

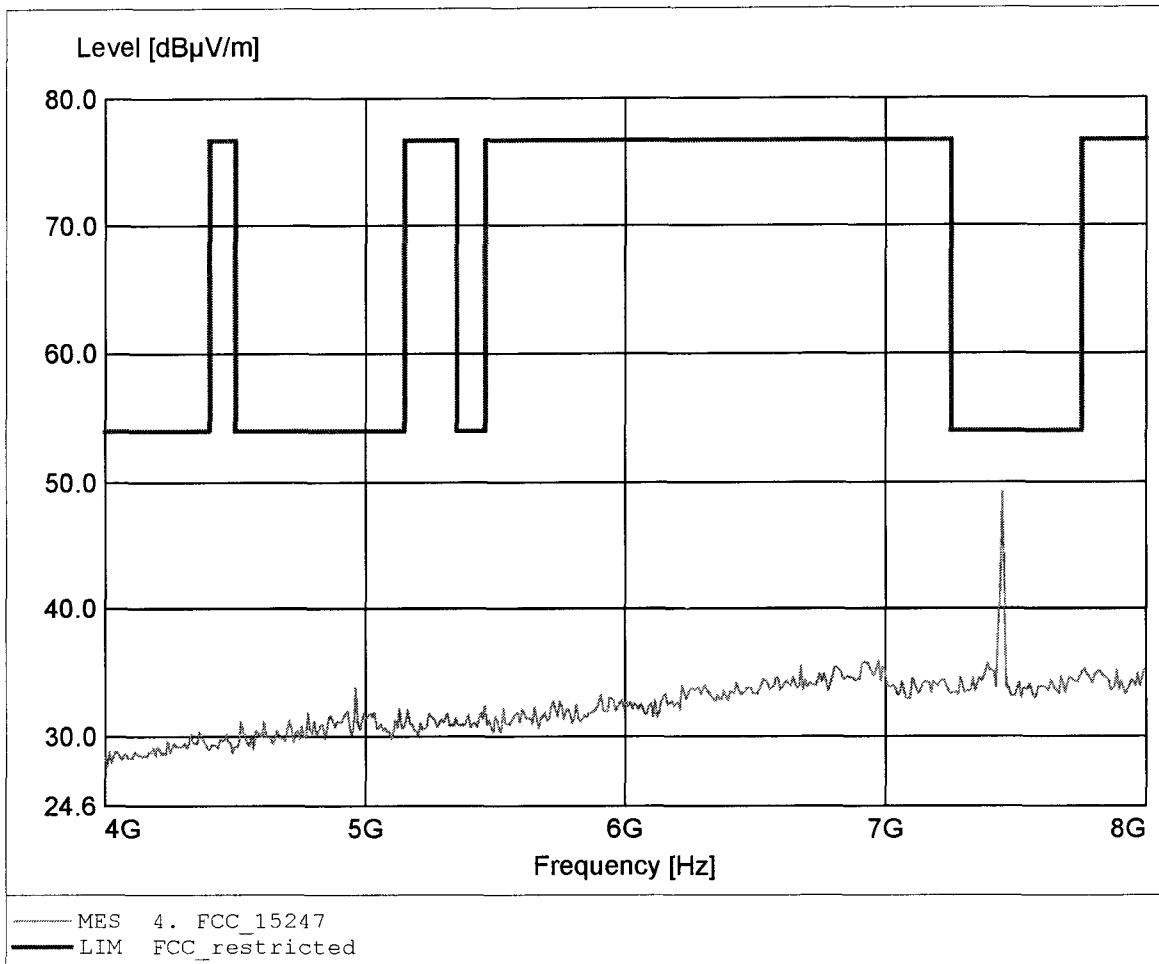




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

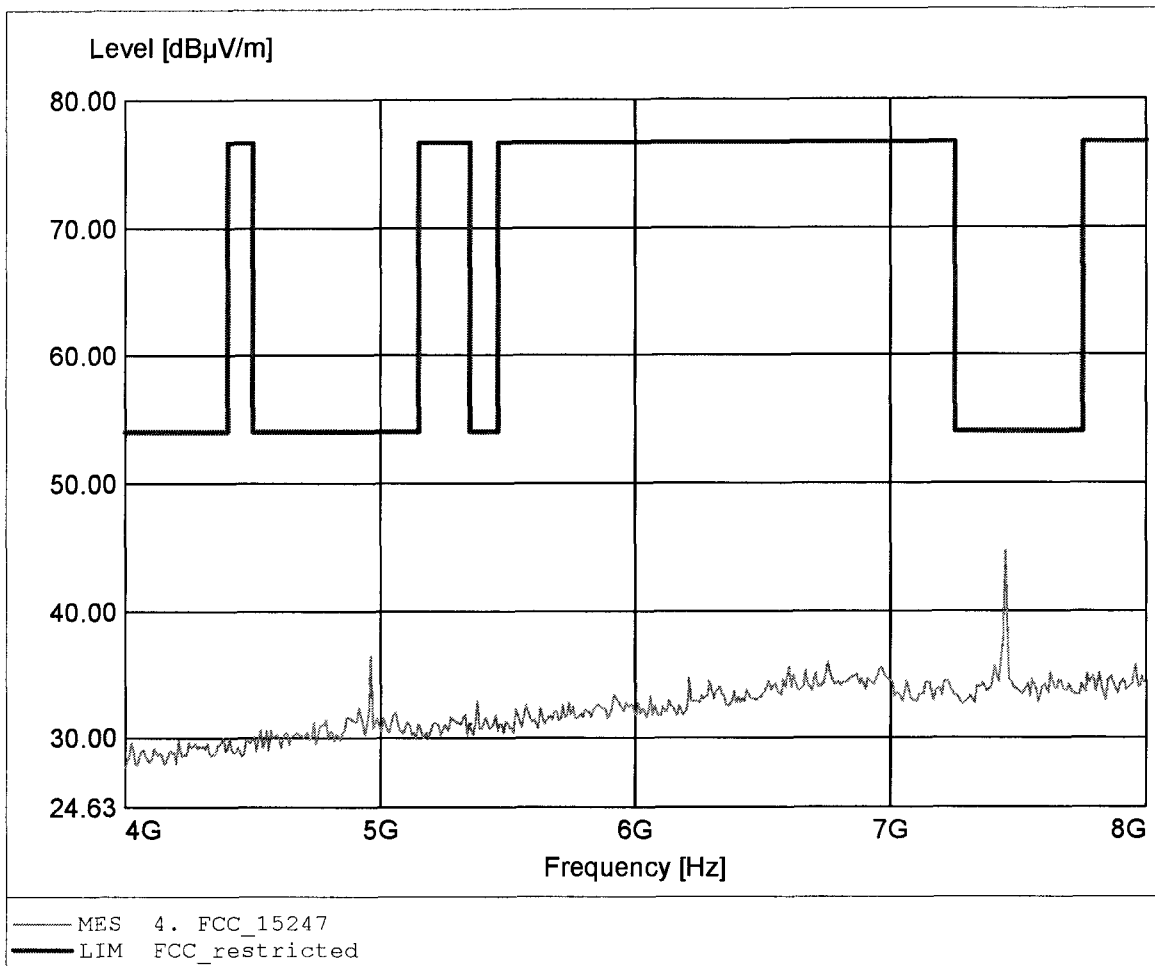
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.447GHz, Emax: 49.24dBμV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

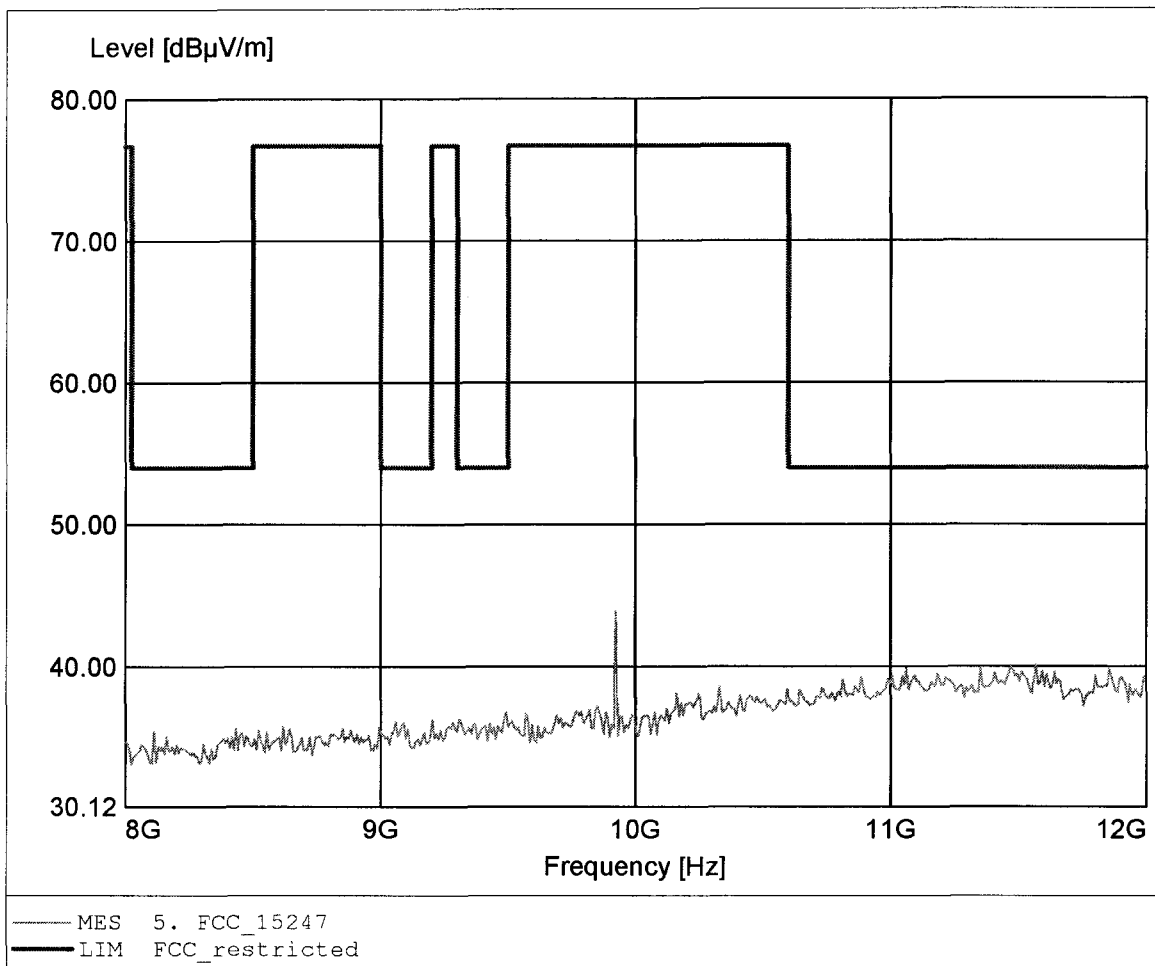
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 7.447GHz, Emax: 44.80dBuV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

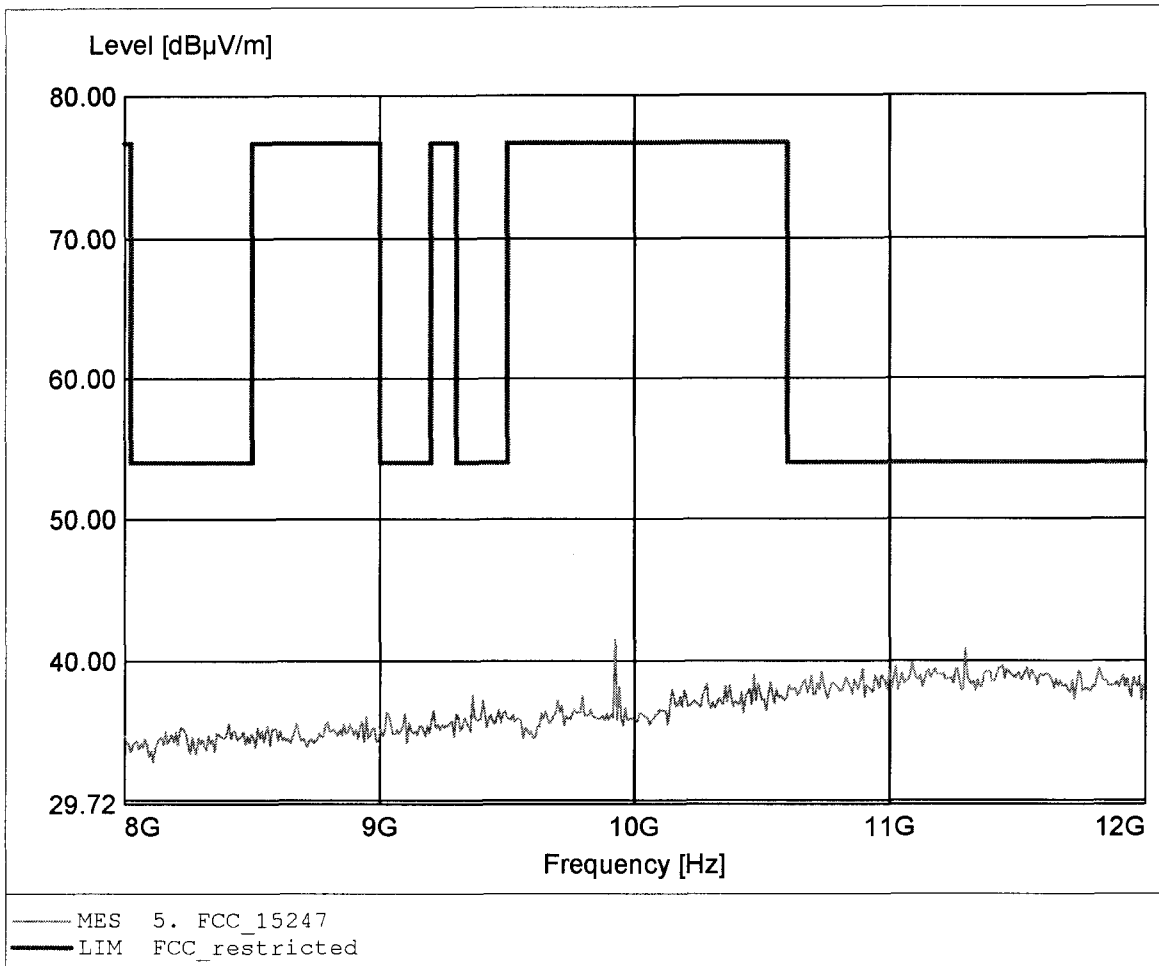
Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.924GHz, Emax: 43.90dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

Approval Holder: Pantech Co., Ltd.  
EUT: Triple Band GSM 850 / DCS 1800 / PCS 1900 (with WAP&GPRS)  
Model: PG-C3B / 2480 MHz  
Test Site / Operator: ETS / Mr. Handrik  
Test Condition: 25°C / Unom.: 4 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.924GHz, Emax: 41.56dBµV/m, RBW: 1MHz



## Appendix J

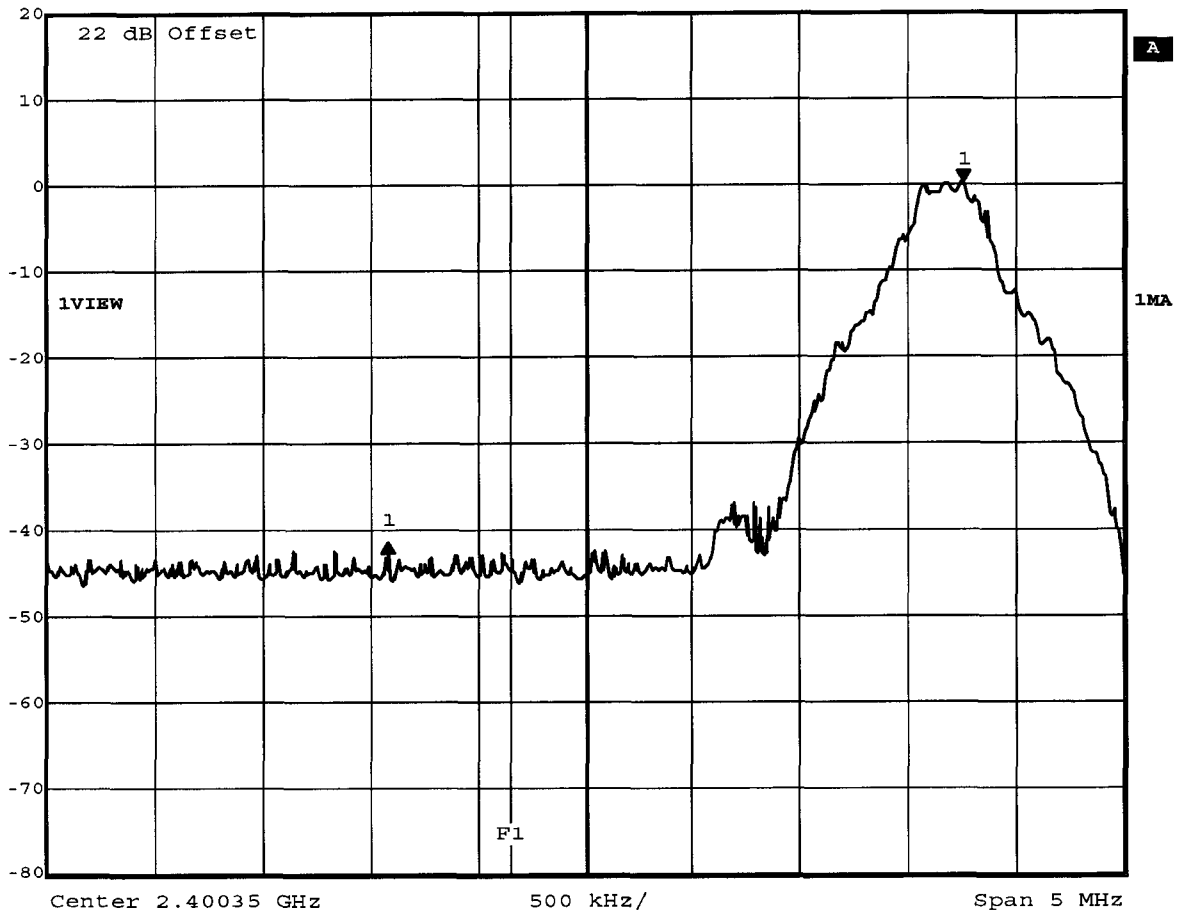
Band-edge compliance

**FCC part 15.247**  
**Band-edge compliance of RF conducted emissions**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Single frequency mode



	Delta 1 [T1]	RBW	50 kHz	RF Att	20 dB
Ref Lvl	-41.94 dB	VBW	50 kHz		
20 dBm	-2.67535070 MHz	SWT	5 ms	Unit	dBm



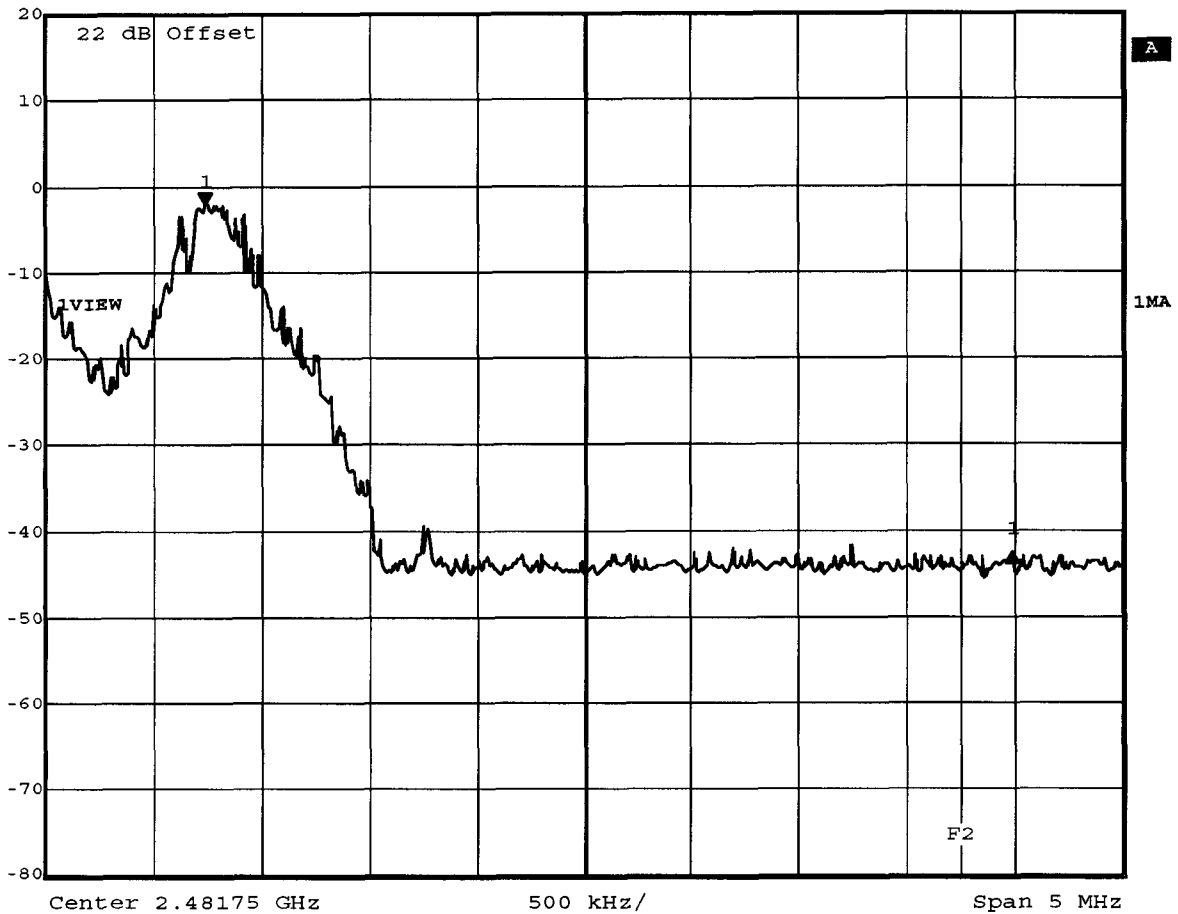
Comment A: Limit: Marker Delta value >20 dB; Result: PASS  
 Date: 18.NOV.2006 14:17:36

Measurement diagram

**FCC part 15.247**  
**Band-edge compliance of RF conducted emissions**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel: 78 / 2480 MHz
Comment 3	Hopping mode

	Delta 1 [T1]	RBW	50 kHz	RF Att	20 dB
	Ref Lvl	-40.37 dB	VBW	50 kHz	
	20 dBm	3.74749499 MHz	SWT	5 ms	Unit dBm



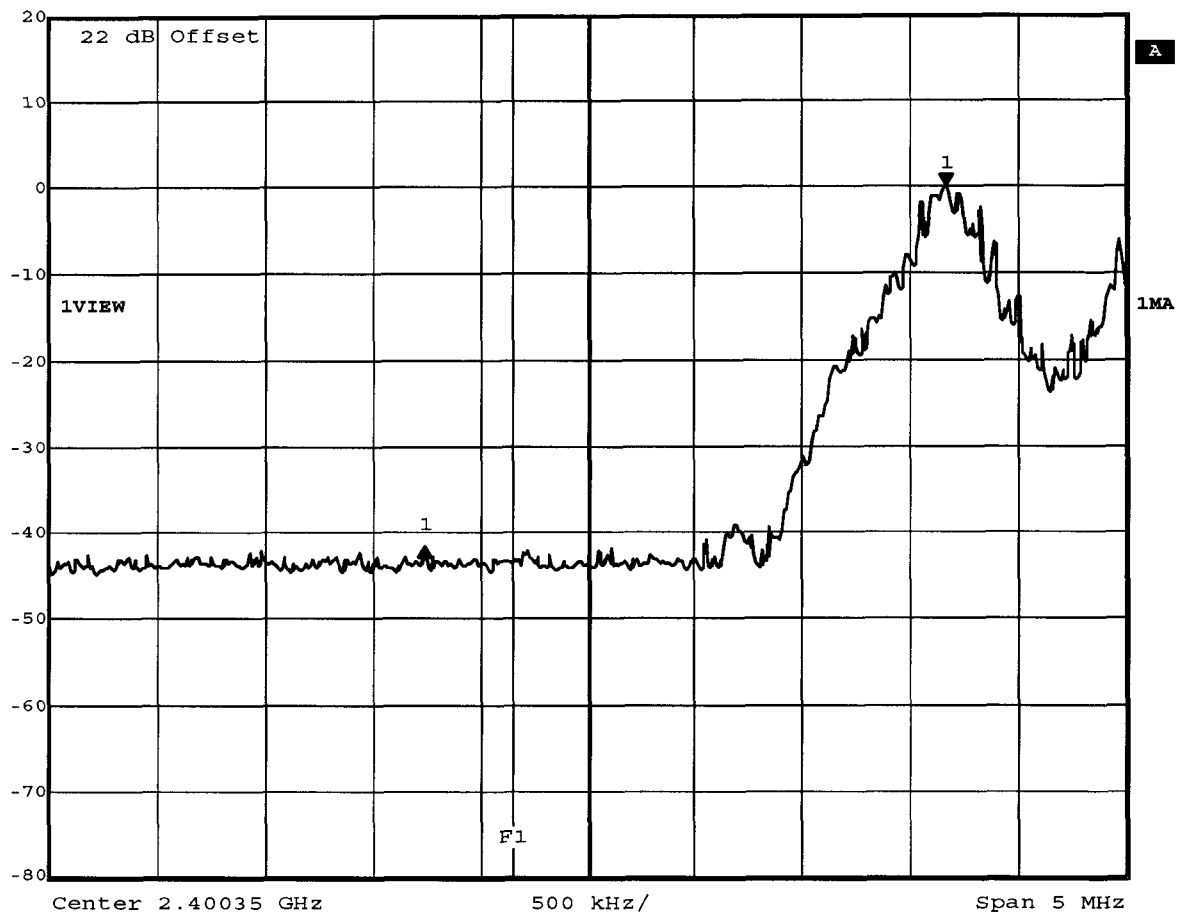
Comment A: Limit: Marker Delta value >20 dB; Result: PASS  
 Date: 18.NOV.2006 14:15:05

Measurement diagram

FCC part 15.247  
 Band-edge compliance of RF conducted emissions

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Hopping mode

	Delta 1 [T1]	RBW	50 kHz	RF Att	20 dB
Ref Lvl	-41.64 dB	VBW	50 kHz		
20 dBm	-2.42484970 MHz	SWT	5 ms	Unit	dBm



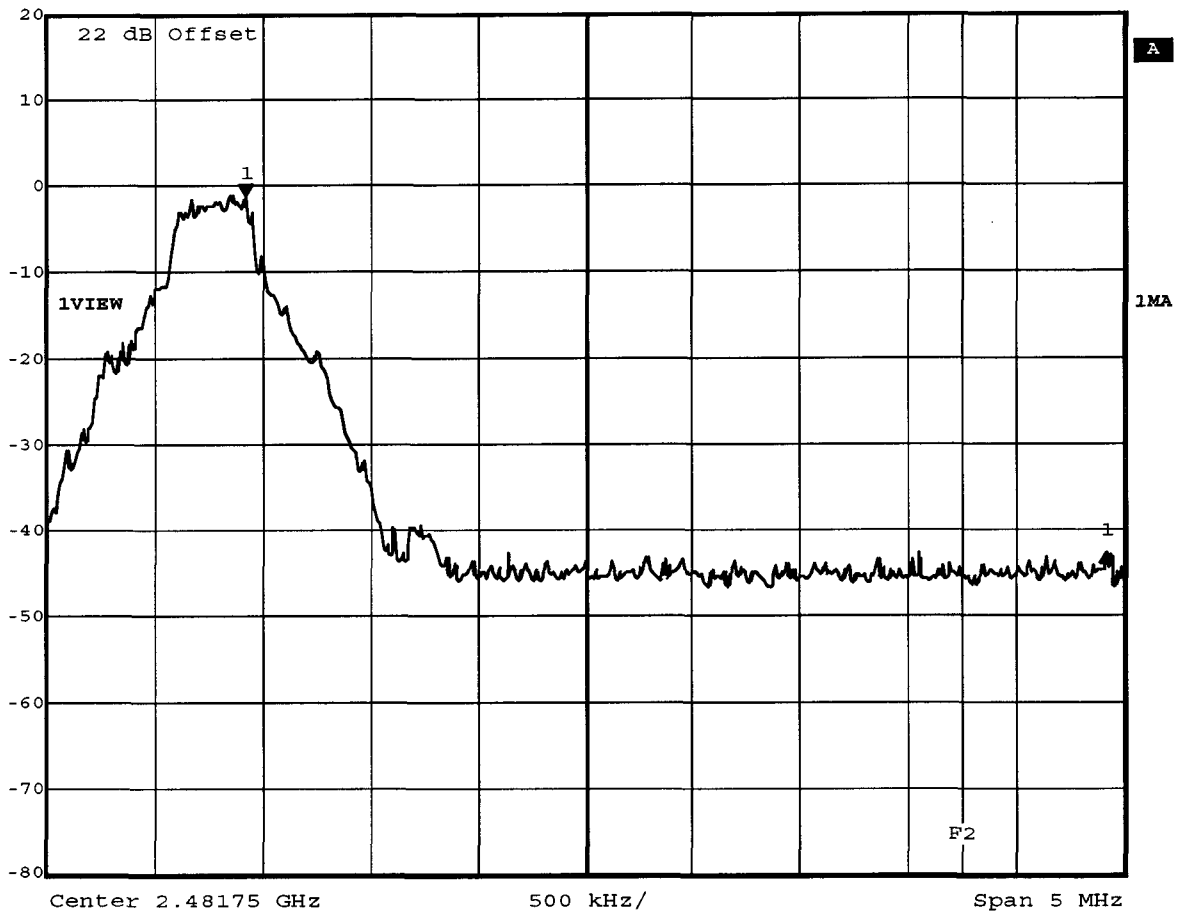
Comment A: Limit: Marker Delta value >20 dB; Result: PASS  
 Date: 18.NOV.2006 14:12:20



**FCC part 15.247**  
**Band-edge compliance of RF conducted emissions**

EUT	Triple Band GSM GSM850 / DCS1800 / PCS 1900 (with WAP & GPRS)
Model	PG-C3B
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Single frequency mode

	Delta 1 [T1]	RBW	50 kHz	RF Att	20 dB
	Ref Lvl	-41.53 dB	VBW	50 kHz	
	20 dBm	3.99799599 MHz	SWT	5 ms	Unit



Comment A: Limit: Marker Delta value >20 dB; Result: PASS  
 Date: 18.NOV.2006 14:01:33

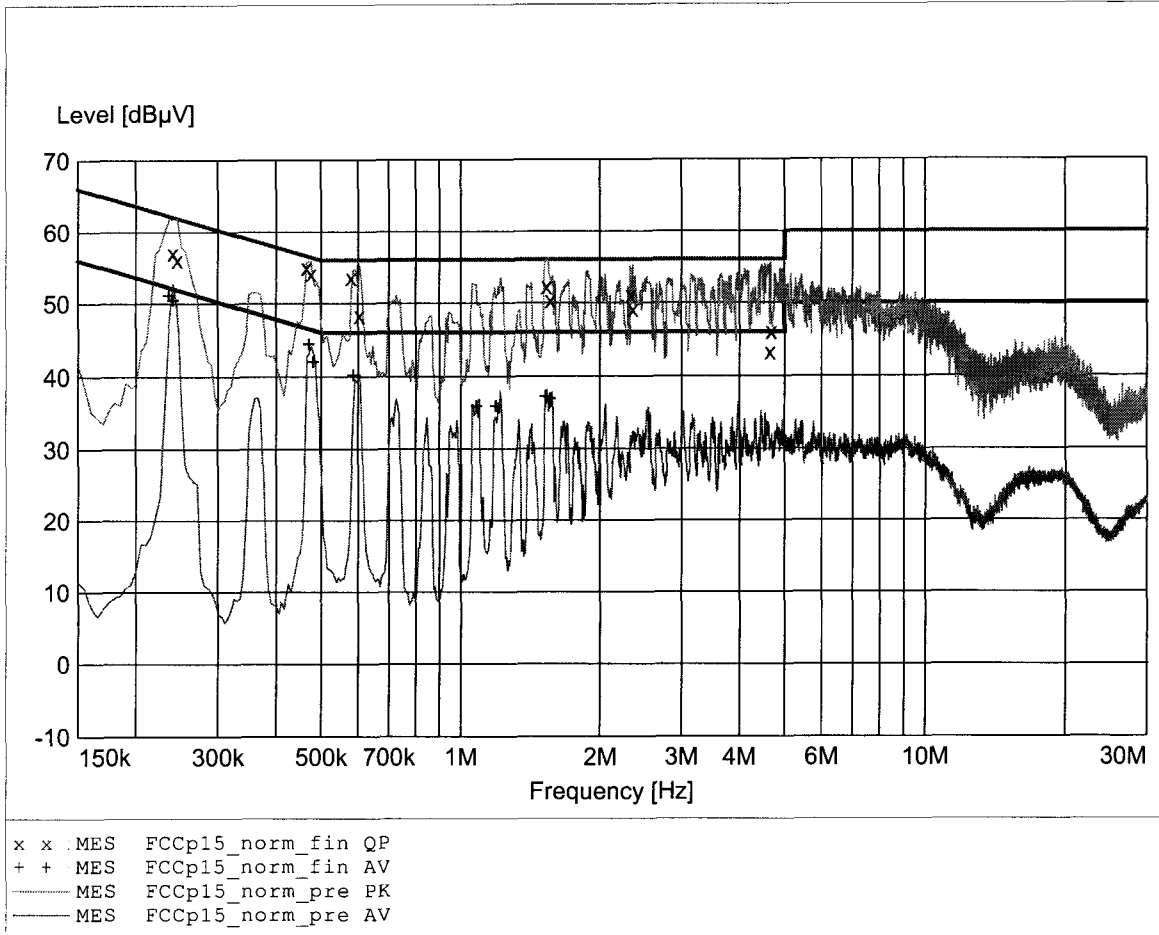
Measurement diagram

## Appendix K

AC power line conducted emissions

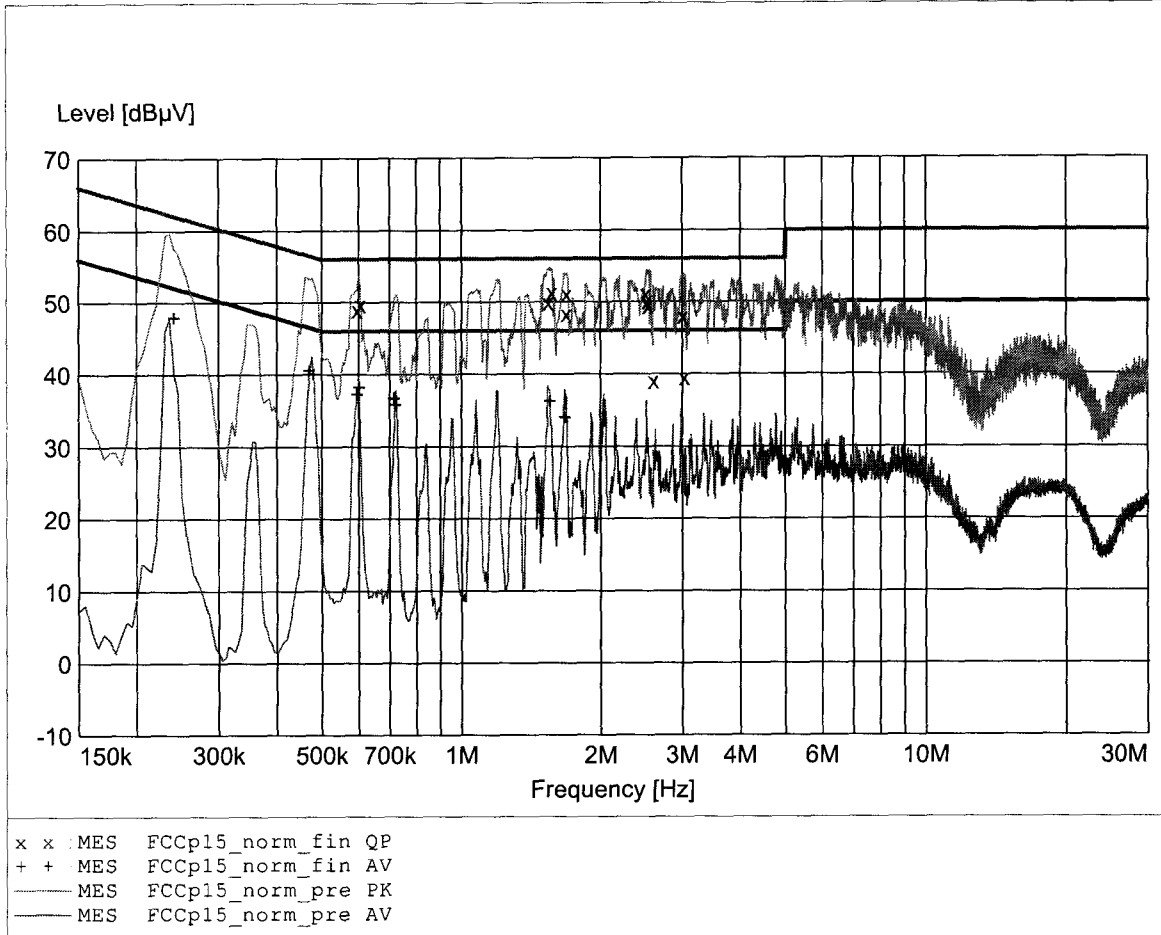
**EMI voltage test in the ac-mains according to FCC part 15**

EUT: TRIPLE BAND GSM850/DCS1800/PCS1900 (WITH WAP & GPRS)  
Manufacturer: PANTECH CO., LTD.  
Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C  
Test Site: ETS  
Operator: Mr. Schlaps  
Test Specification: V-Network: ESH2-Z5 (L1)  
Comment: model: PG-C3B mode: CHARGING AND GSM850  
ADAPTOR: PTA-5070C2US



**EMI voltage test in the ac-mains according to FCC part 15**

EUT: TRIPLE BAND GSM850/DCS1800/PCS1900 (WITH WAP & GPRS)  
 Manufacturer: PANTECH CO., LTD.  
 Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C  
 Test Site: ETS  
 Operator: Mr. Schlaps  
 Test Specification: V-Network: ESH2-Z5 (N)  
 Comment: model: PG-C3B mode: CHARGING AND GSM850  
 ADAPTOR: PTA-5070C2US



## Appendix L

Receiver radiated emissions