

Appendix B

RF power output conducted

FCC part 15.247**Peak output power conducted**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



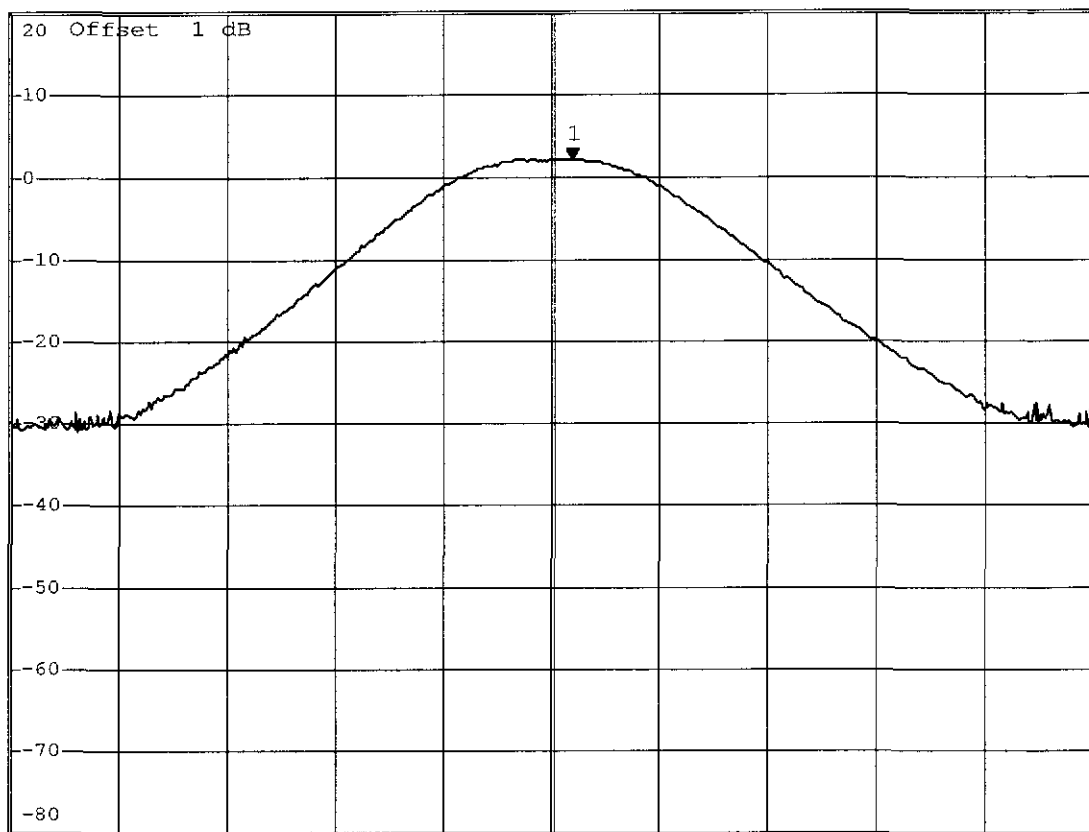
*RBW 1 MHz Marker 1 [T1]
*VBW 1 MHz 1.98 dBm
SWT 2.5 ms 2.402140000 GHz

Ref 20 dBm

Att 50 dB

SWT 2.5 ms

2.402140000 GHz

1 PK
VIEW

Comment: Output power=1.98 dBm; verdict: PASS
Date: 9.JAN.2007 07:51:13

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

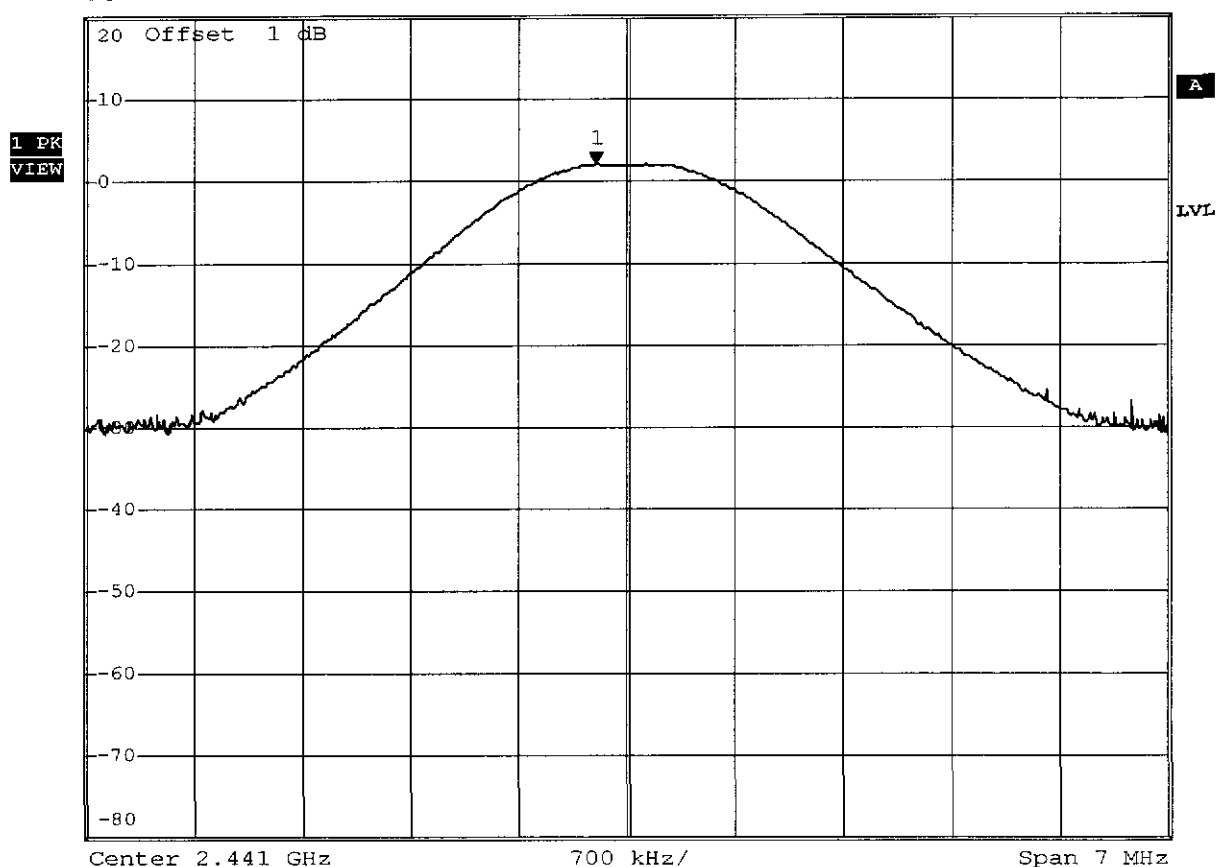
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FCC part 15.247**Peak output power conducted**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Ref 20 dBm Att 50 dB *RBW 1 MHz Marker 1 [T1]
*VBW 1 MHz 1.91 dBm
SWT 2.5 ms 2.440804000 GHz



Comment: Output power=1.91 dBm; verdict: PASS
Date: 9.JAN.2007 08:39:16

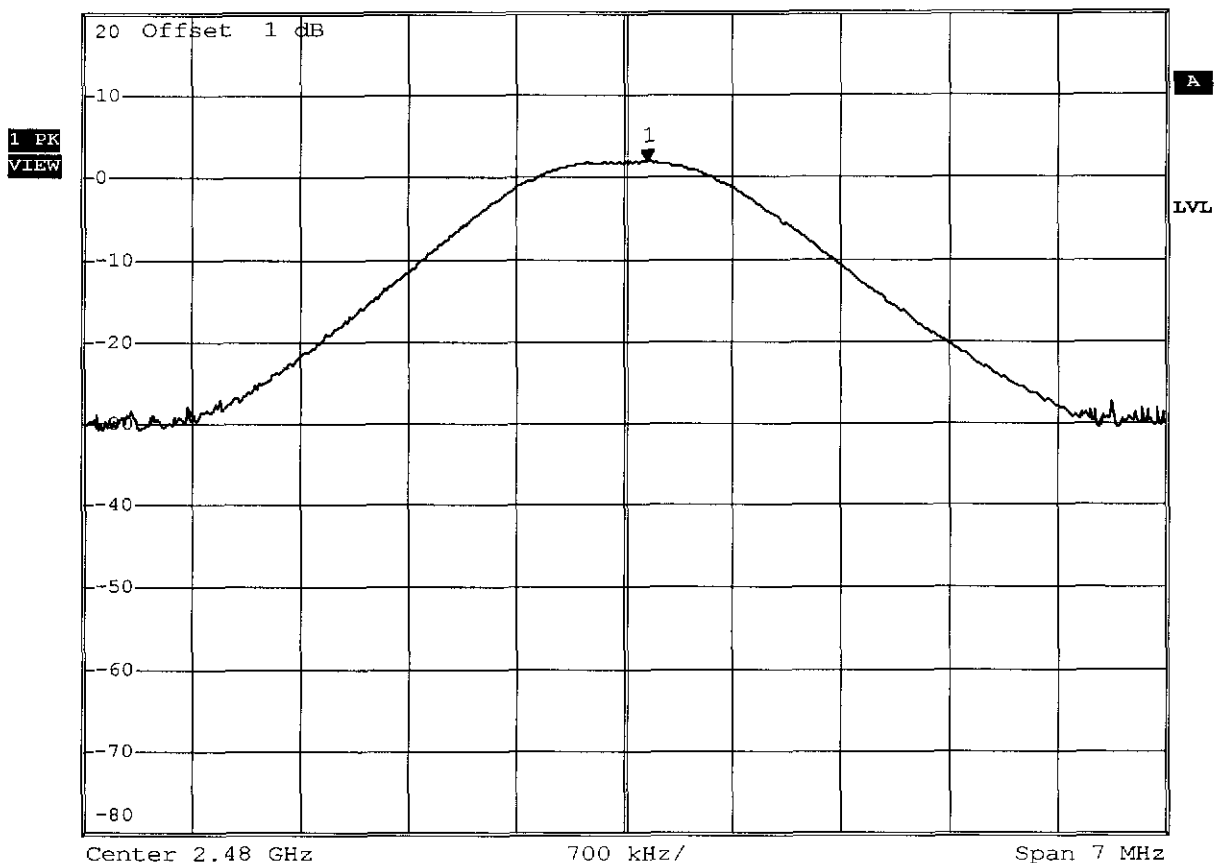
Measurement diagram

FCC part 15.247**Peak output power conducted**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Ref 20 dBm Att 50 dB *RBW 1 MHz Marker 1 [T1] 1.69 dBm
*VBW 1 MHz 2.480154000 GHz
SWT 2.5 ms



Comment: Output power=1.69 dBm; verdict: PASS
Date: 9.JAN.2007 08:42:24

Measurement diagram

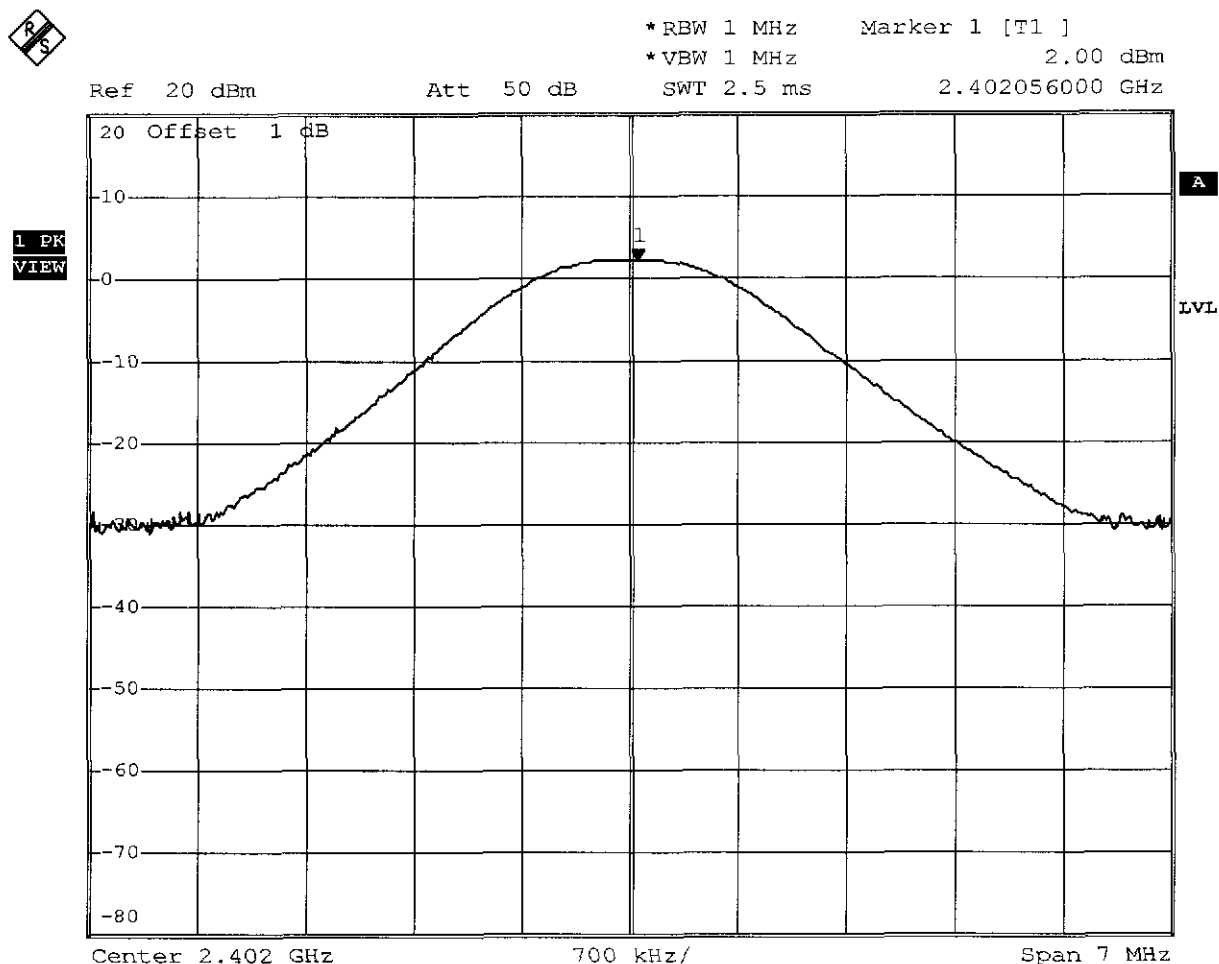
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Comment: Output power=2 dBm; verdict: PASS
Date: 9.JAN.2007 08:52:08

Measurement diagram

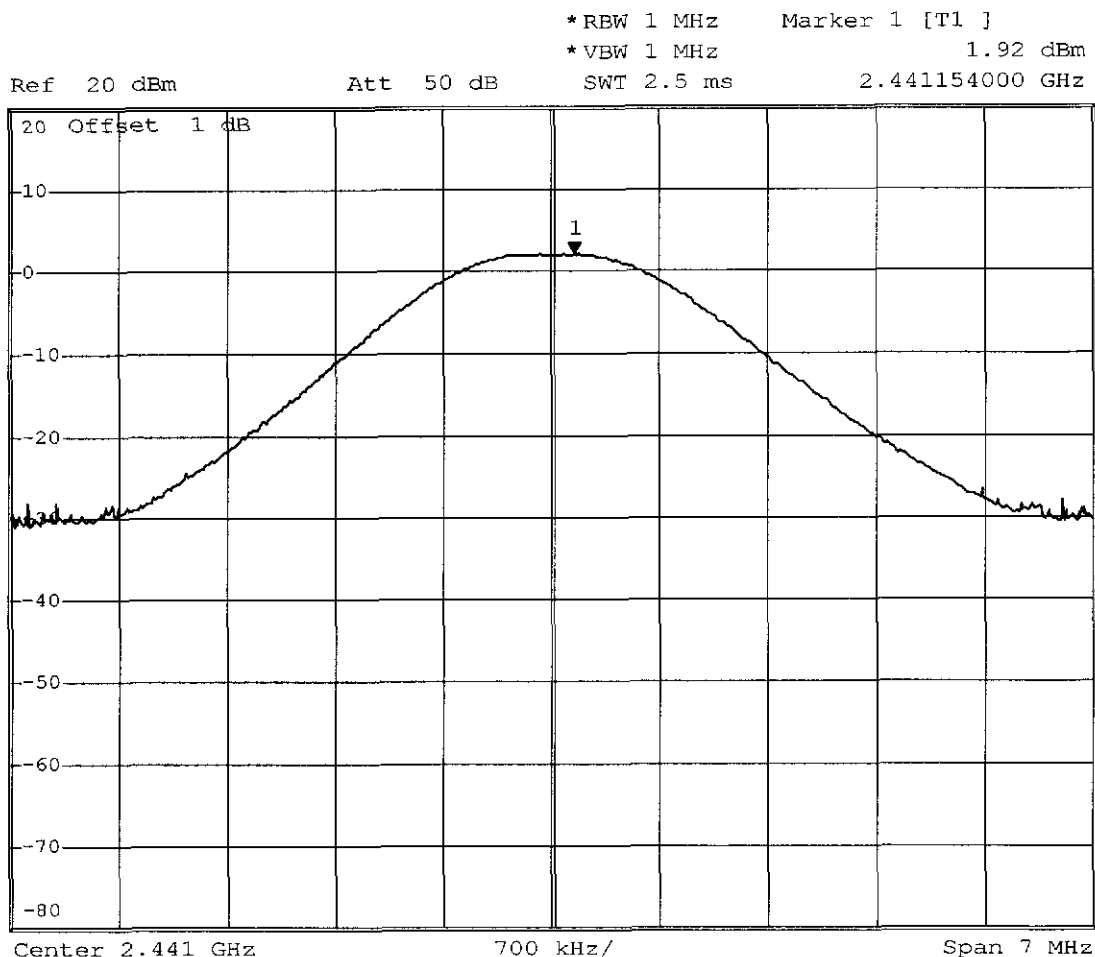
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=1.92 dBm; verdict: PASS
Date: 9.JAN.2007 08:50:38

Measurement diagram

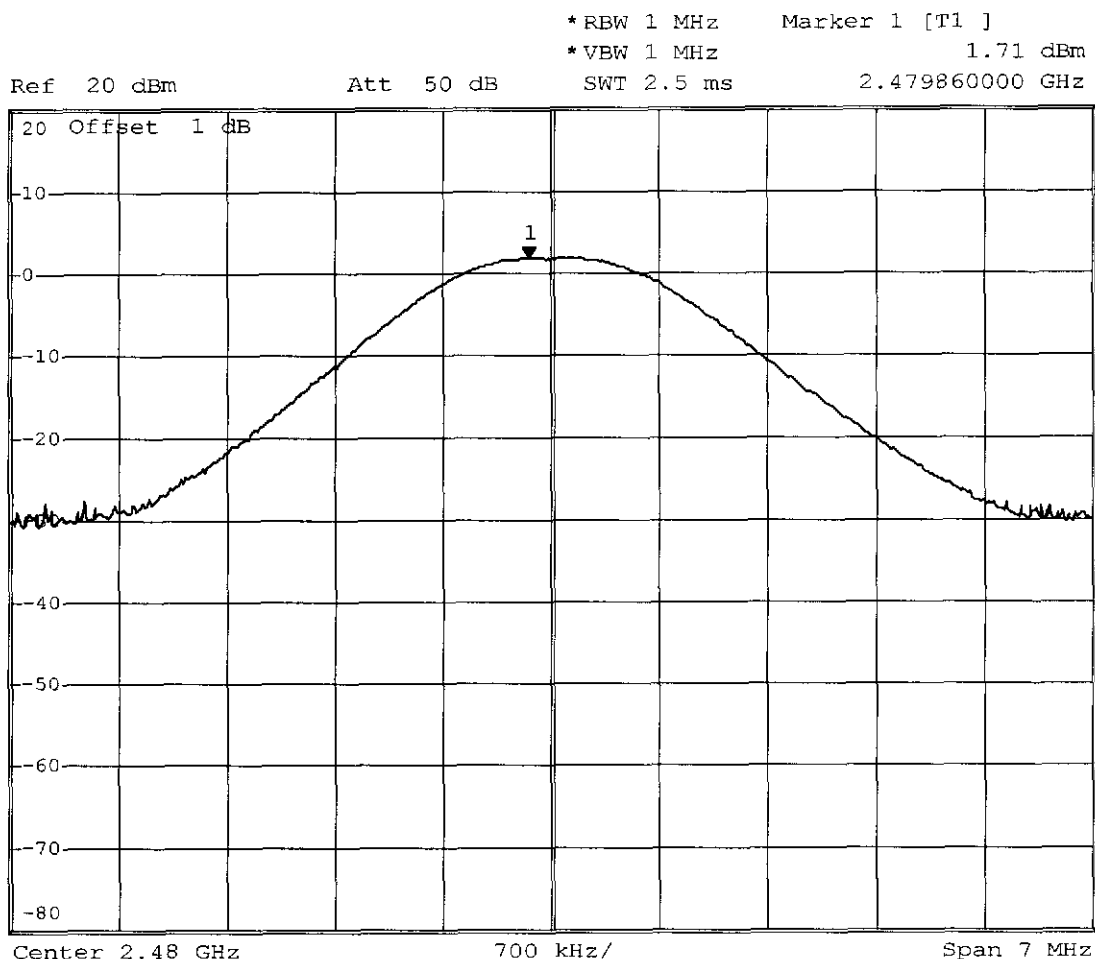
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: Output power=1.71 dBm; verdict: PASS
Date: 9.JAN.2007 08:46:41

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

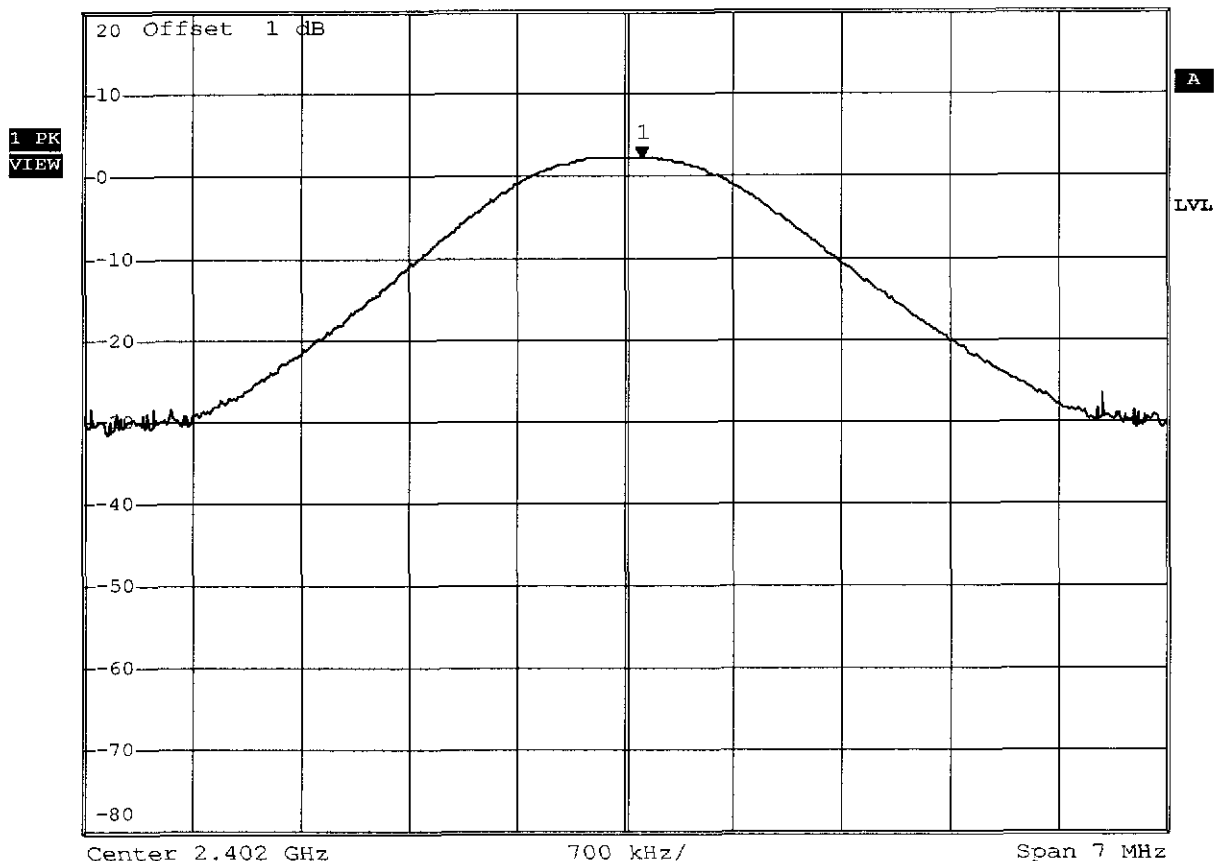
Page 1 of 1

FCC part 15.247**Peak output power conducted**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Ref 20 dBm Att 50 dB *RBW 1 MHz Marker 1 [T1]
*VBW 1 MHz 2.00 dBm
SWT 2.5 ms 2.402112000 GHz



Comment: Output power=2 dBm; verdict: PASS
Date: 9.JAN.2007 08:53:33

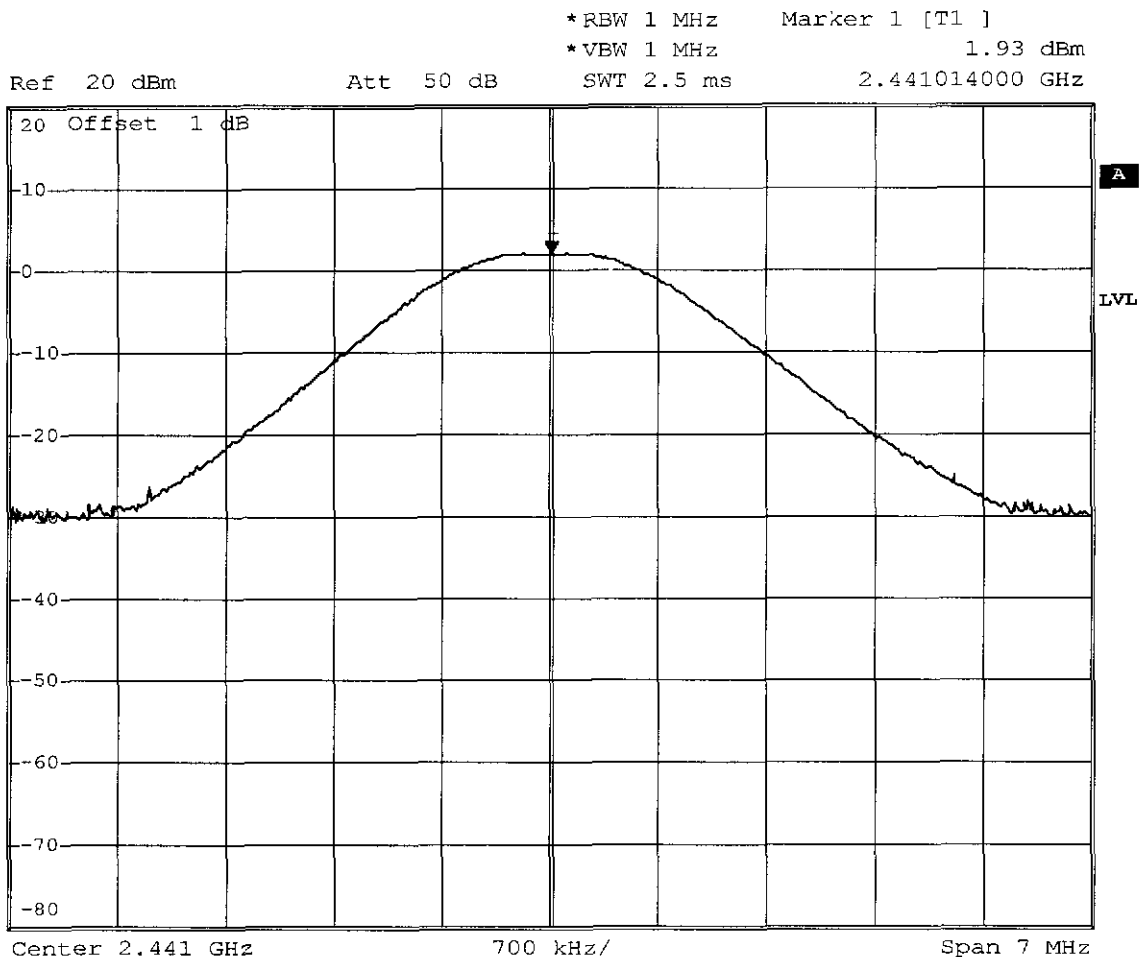
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247**Peak output power conducted**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=1.93 dBm; verdict: PASS
Date: 9.JAN.2007 08:49:17

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

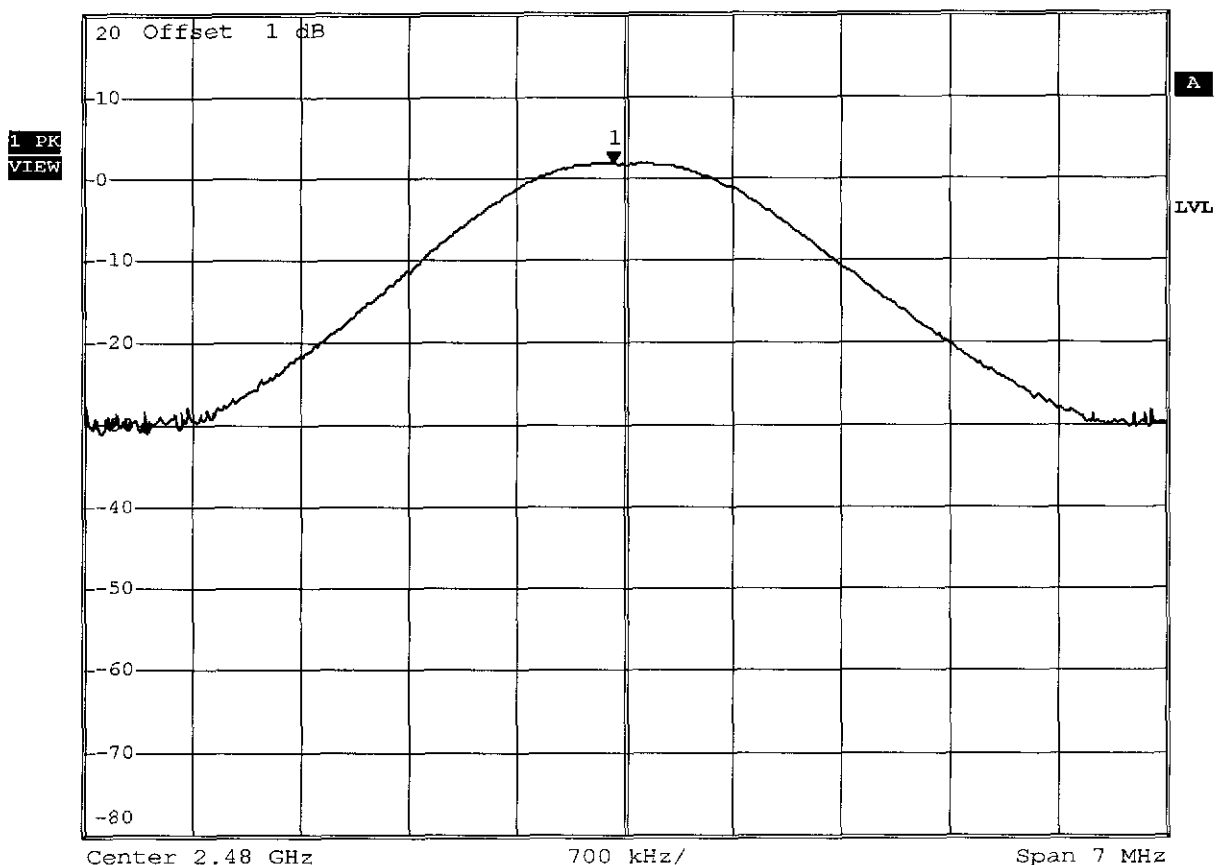
Page 1 of 1

FCC part 15.247**Peak output power conducted**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Ref 20 dBm Att 50 dB *RBW 1 MHz Marker 1 [T1]
*VBW 1 MHz 1.68 dBm
SWT 2.5 ms 2.479930000 GHz



Comment: Output power=1.68 dBm; verdict: PASS
Date: 9.JAN.2007 08:47:48

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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Appendix C

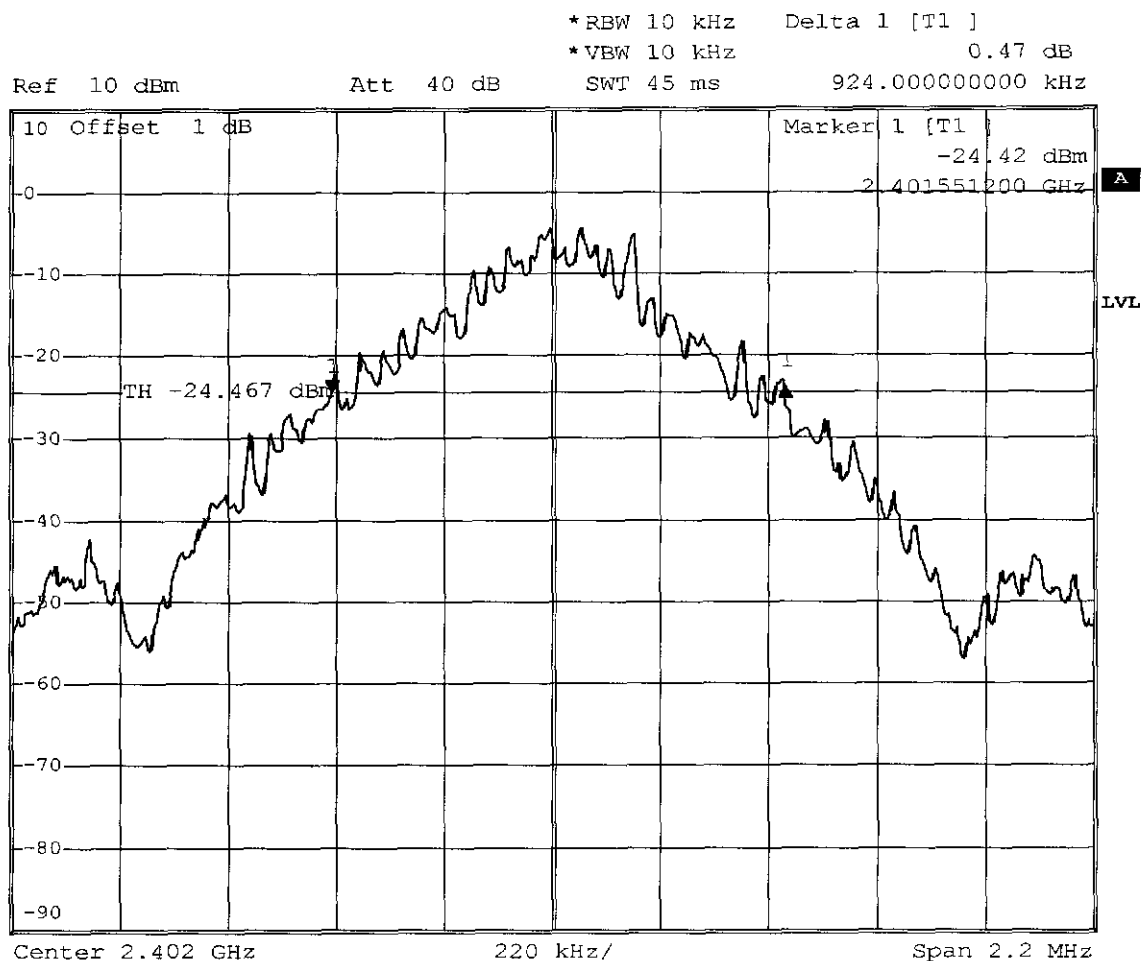
RF power output radiated (EIRP)

Appendix D

20 dB bandwidth

FCC part 15.247
20 dB bandwidth

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Comment: 20 dB bandwidth: 924 KHz < 1MHz; verdict: PASS
Date: 9.JAN.2007 09:01:39

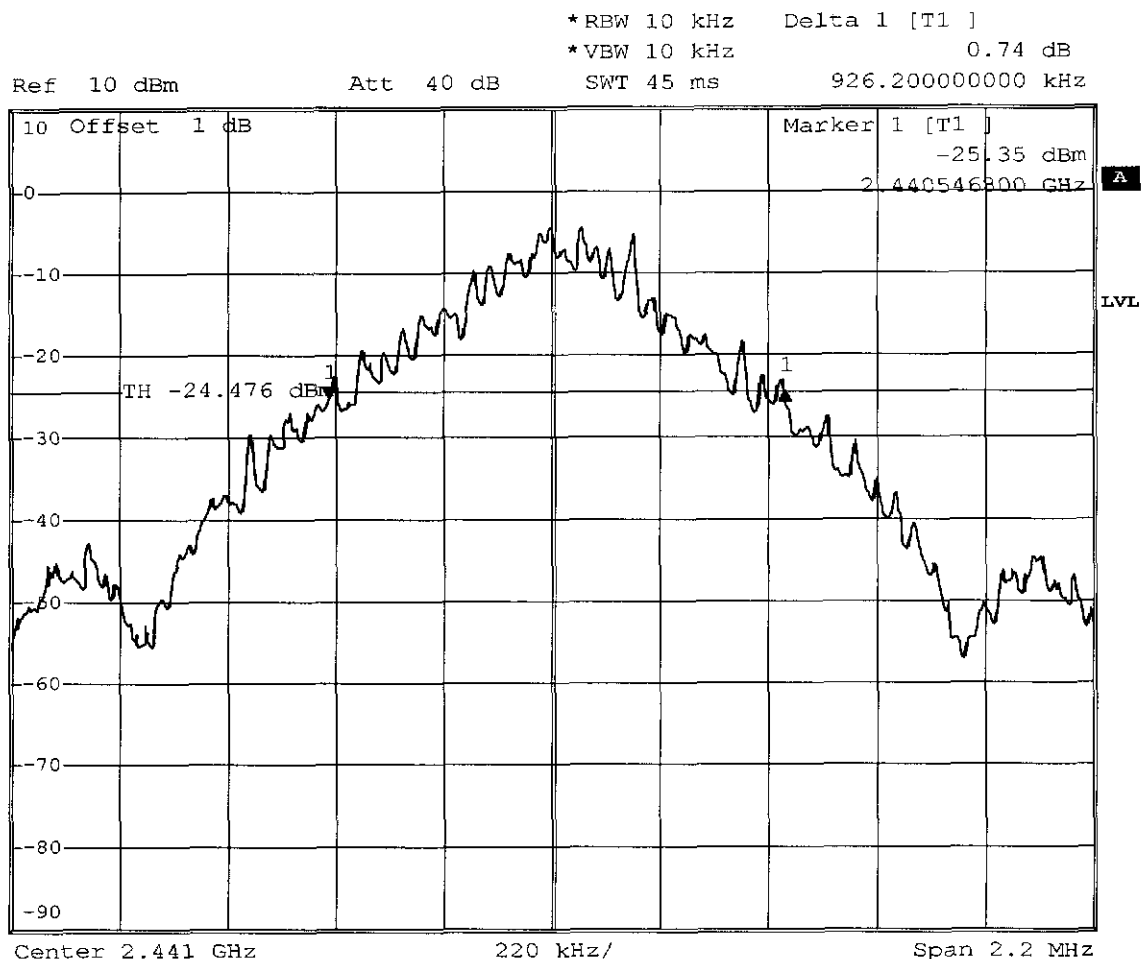
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247
20 dB bandwidth

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: 20 dB bandwidth: 930.6 KHz < 1MHz; verdict: PASS
Date: 9.JAN.2007 09:05:43

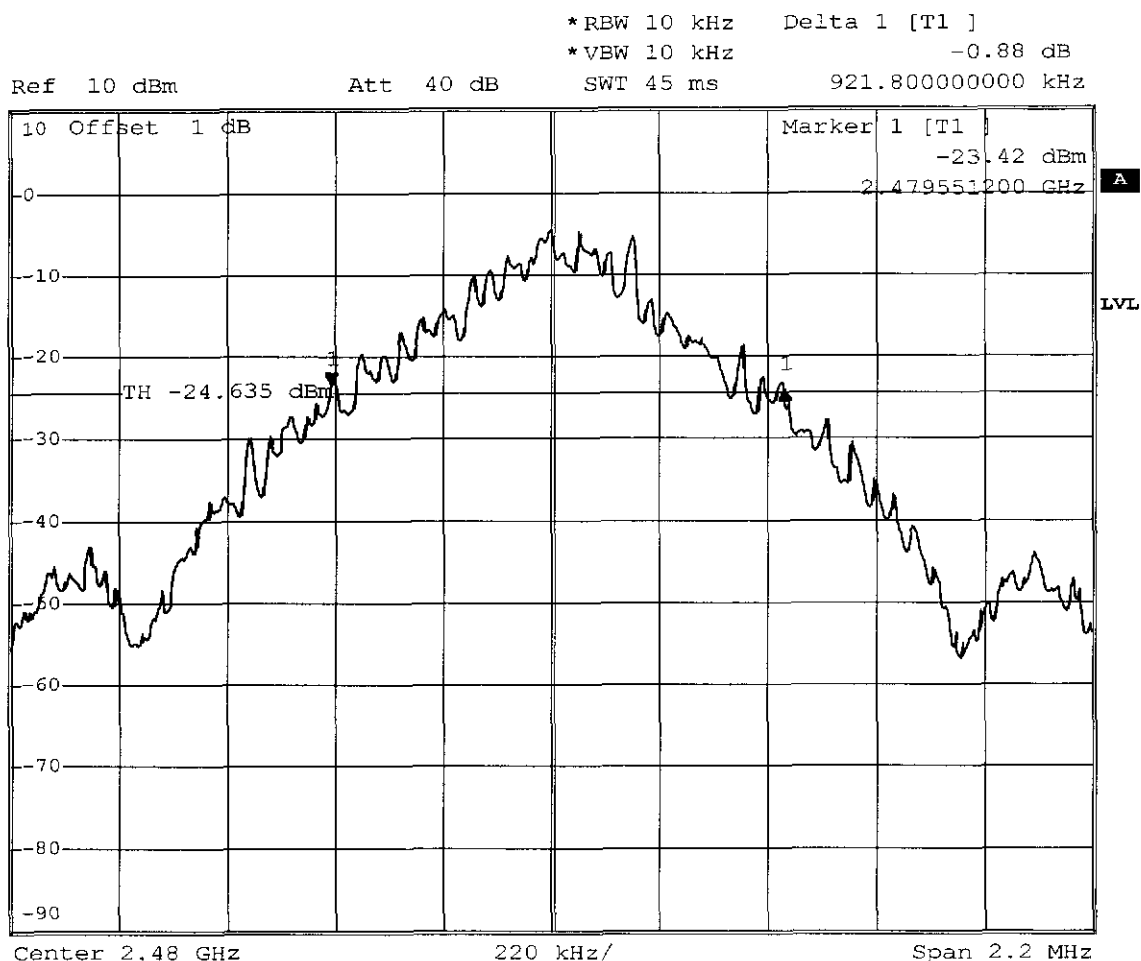
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247
20 dB bandwidth

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: 20 dB bandwidth: 930.6 KHz < 1MHz; verdict: PASS
Date: 9.JAN.2007 09:08:49

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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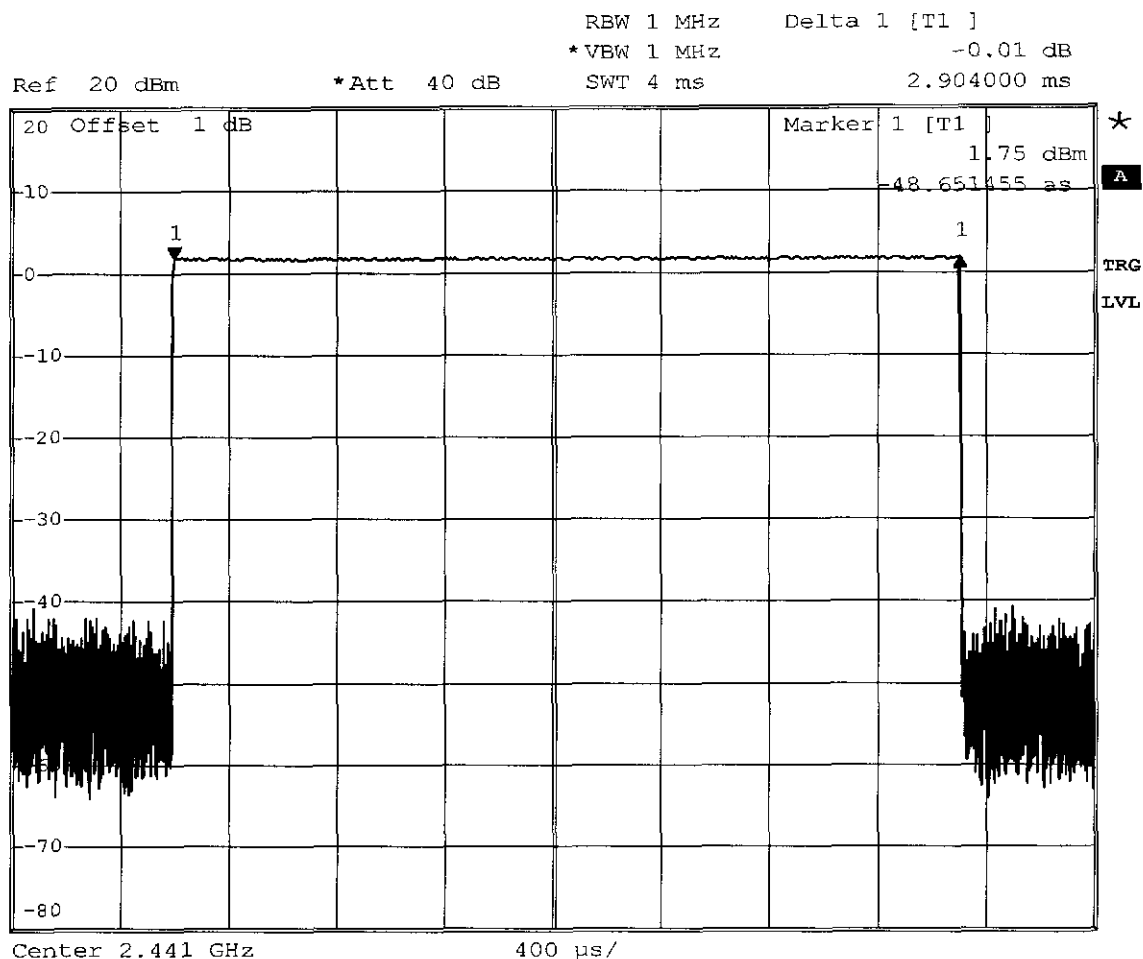
Appendix E

Time of occupancy (dwell time)

FCC part 15.247

Time of occupancy (dwell time)

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Time of occupancy
Comment 2	Channel.: 39 / 2441 MHz (Hopping mode)
Comment 3	64 events * 2.904 ms result: 185.856 ms



Comment: Burst length=2.904 ms
 Date: 9.JAN.2007 11:18:45

Measurement diagram

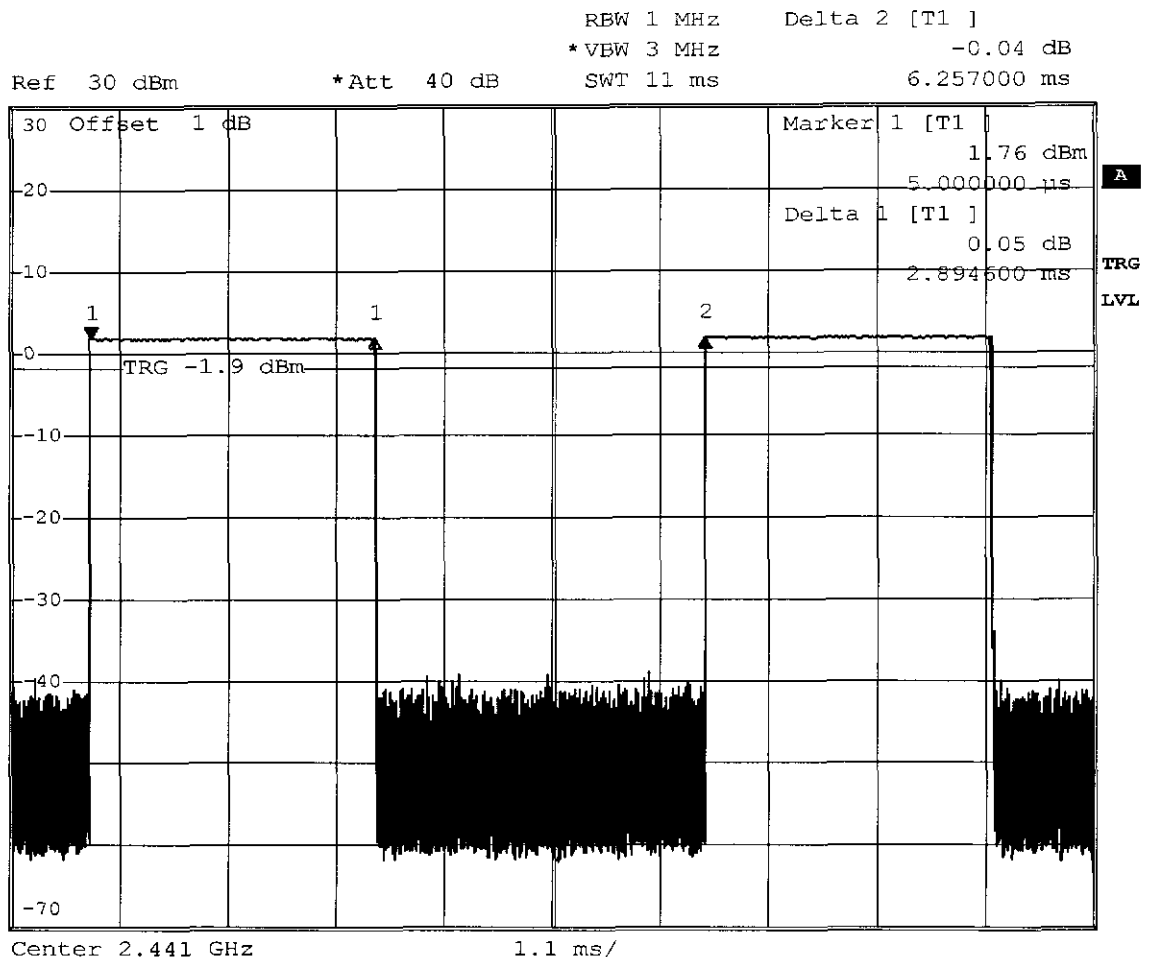
ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Duty cycle

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Duty cycle
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Duty cycle=0.47

Date: 9.JAN.2007 10:29:51

Measurement diagram

ETS Product Service AG

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

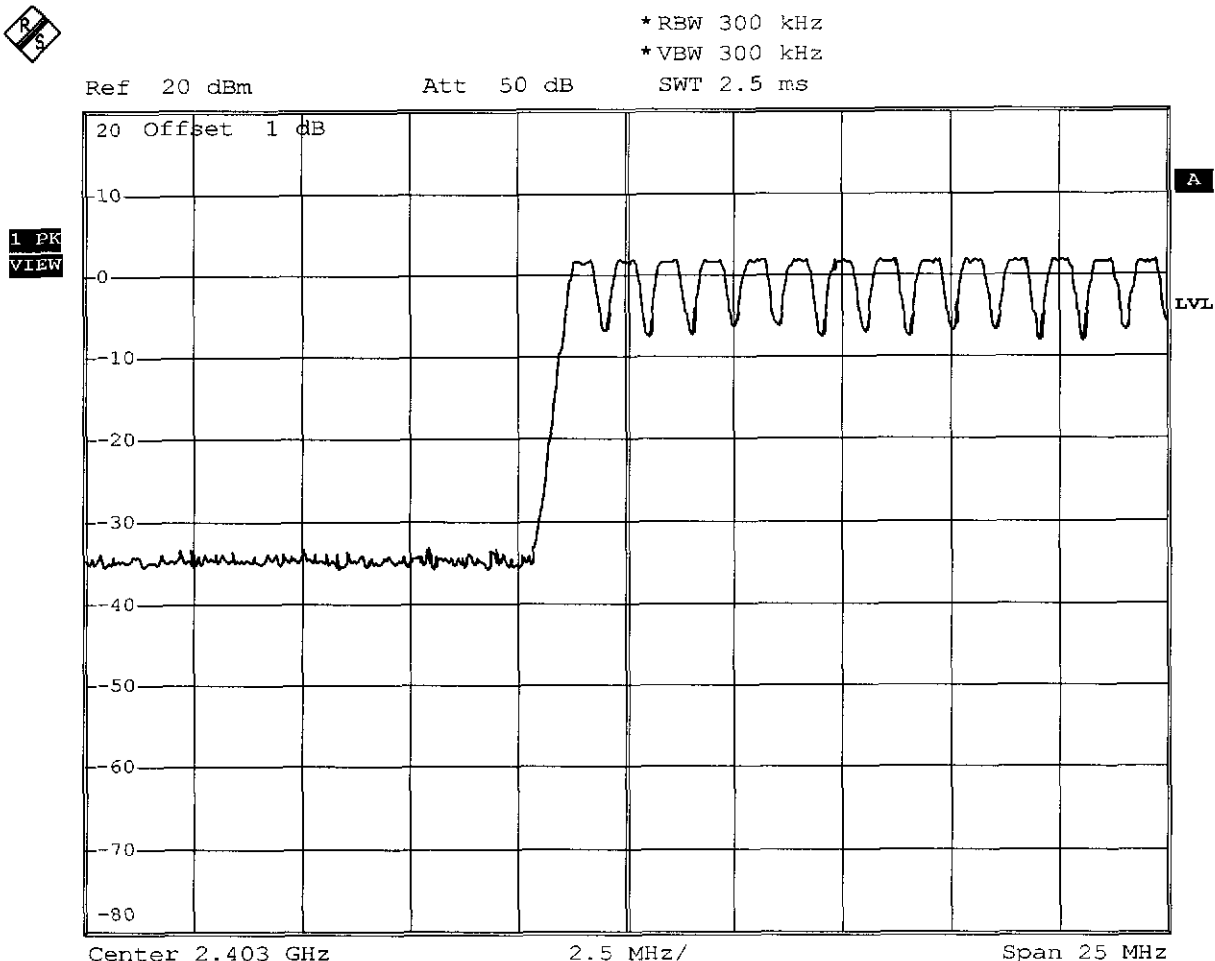
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Appendix F

Number of hopping frequencies

FCC part 15.247**Number of hopping frequencies**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 0-13
Comment 3	



Comment: Number of hopping frequencies

Date: 9.JAN.2007 11:02:41

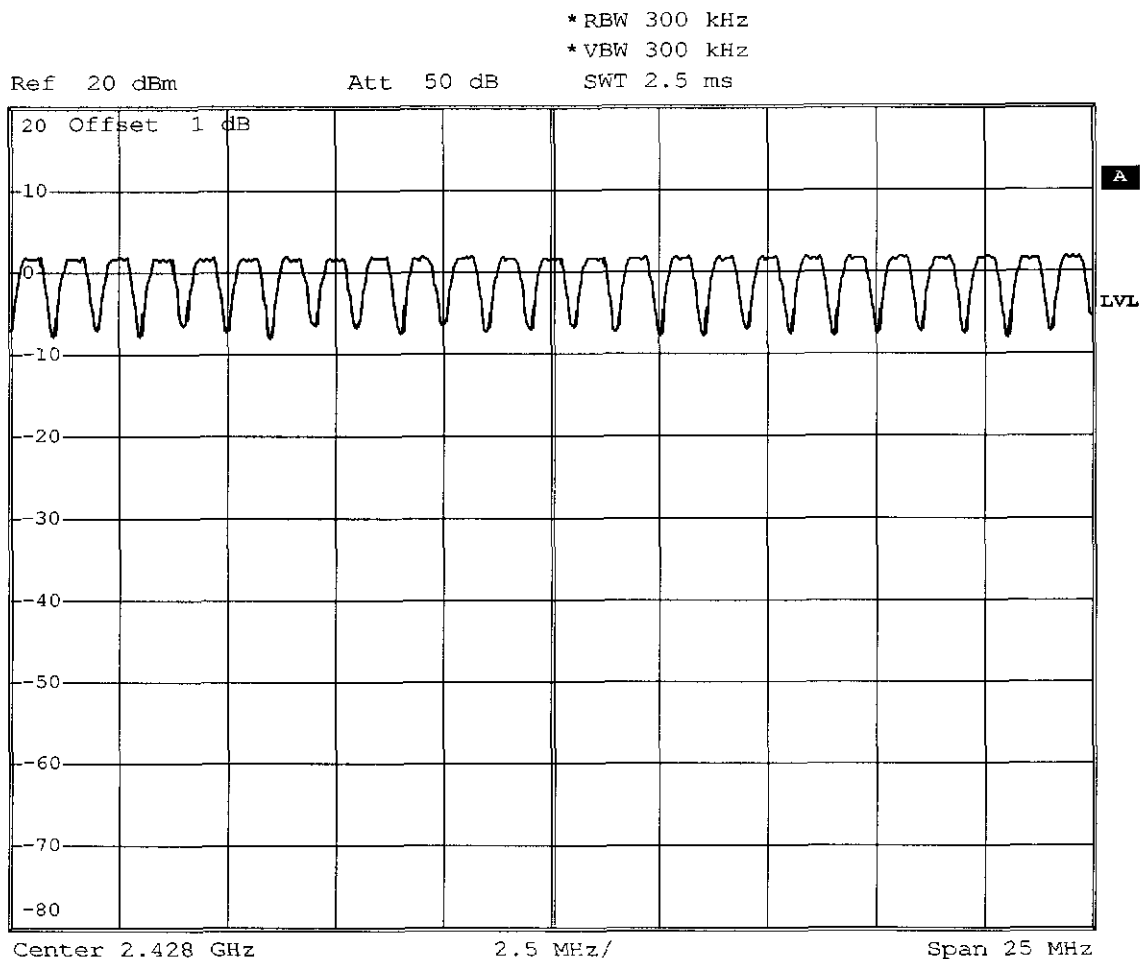
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247**Number of hopping frequencies**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 14-38
Comment 3	



Comment: Number of hopping frequencies

Date: 9.JAN.2007 11:06:16

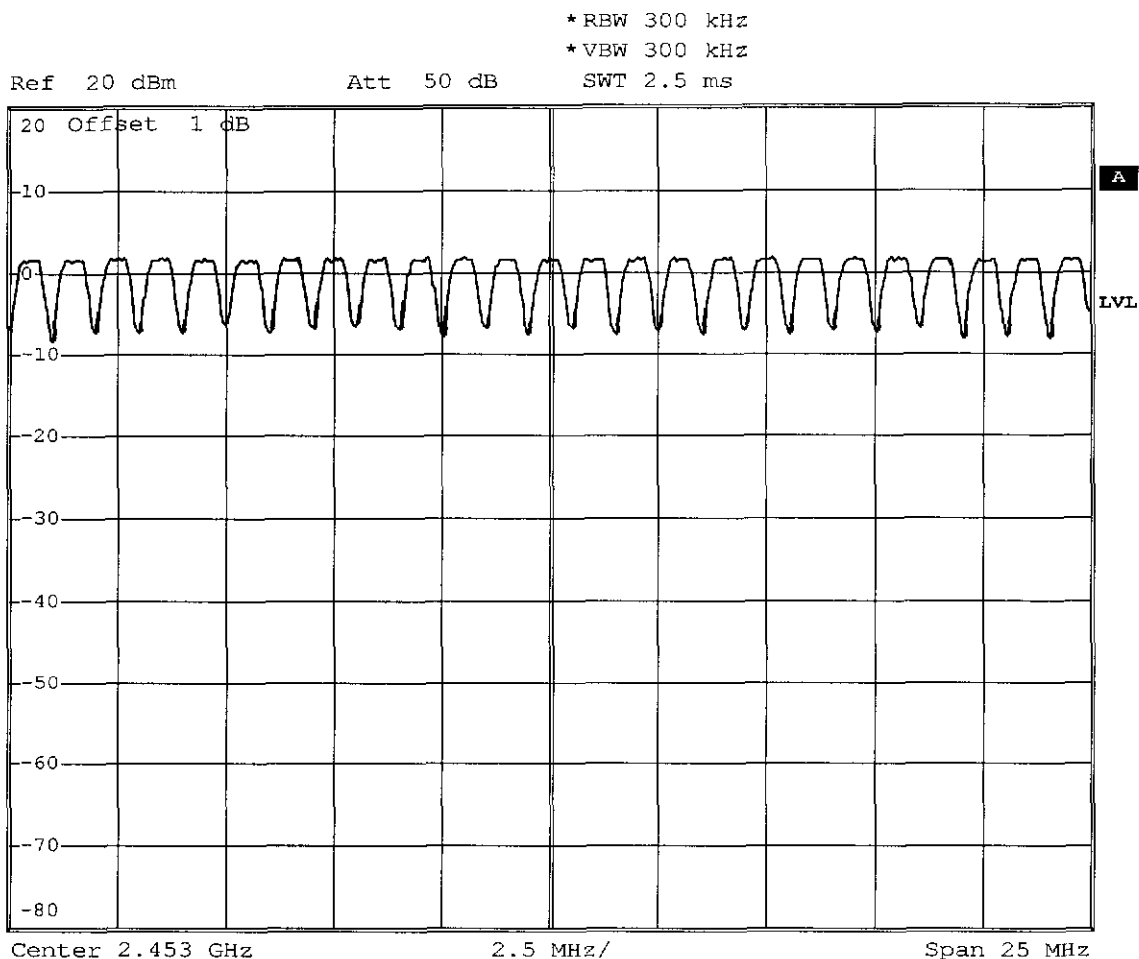
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247**Number of hopping frequencies**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.:39-63
Comment 3	



Comment: Number of hopping frequencies

Date: 9.JAN.2007 11:08:55

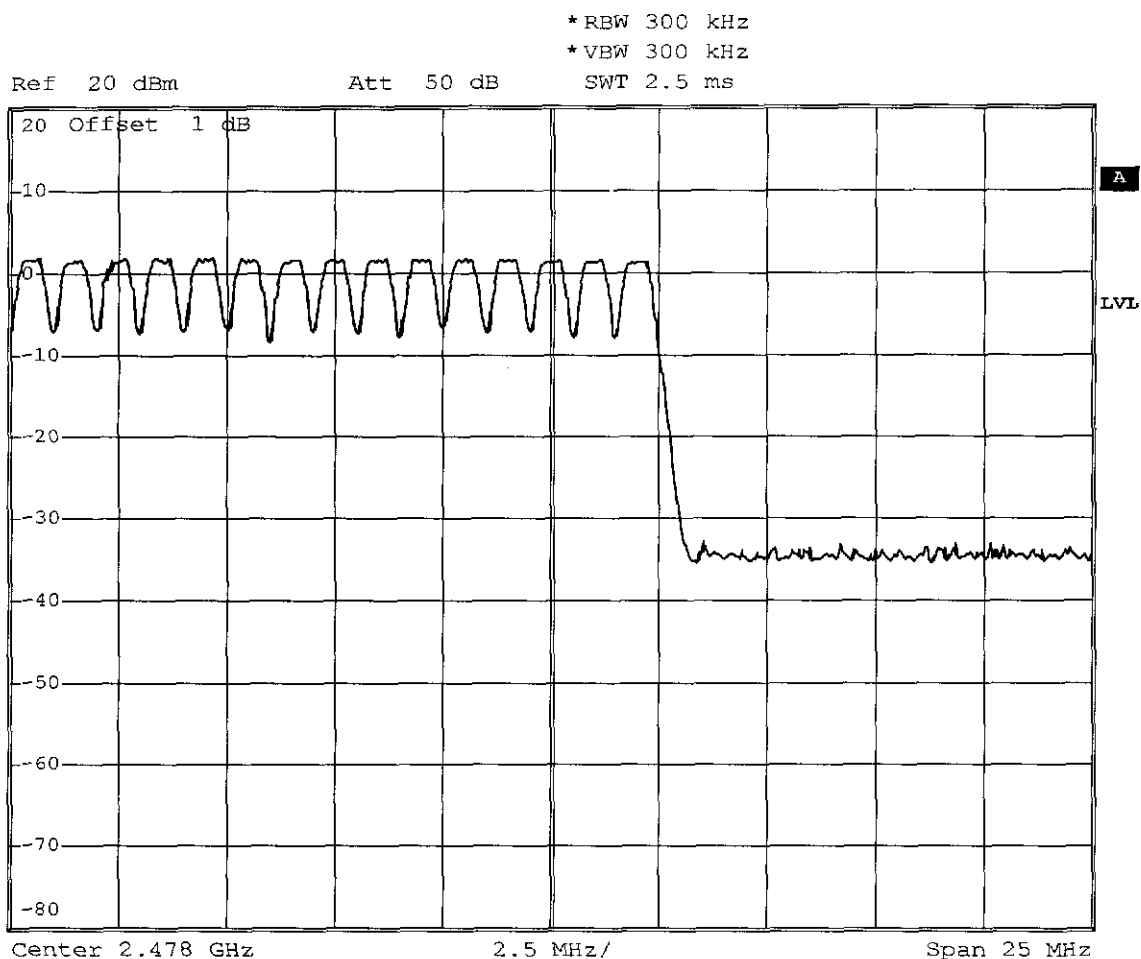
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247**Number of hopping frequencies**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 64-78
Comment 3	



Comment: Number of hopping frequencies
Date: 9.JAN.2007 11:11:42

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

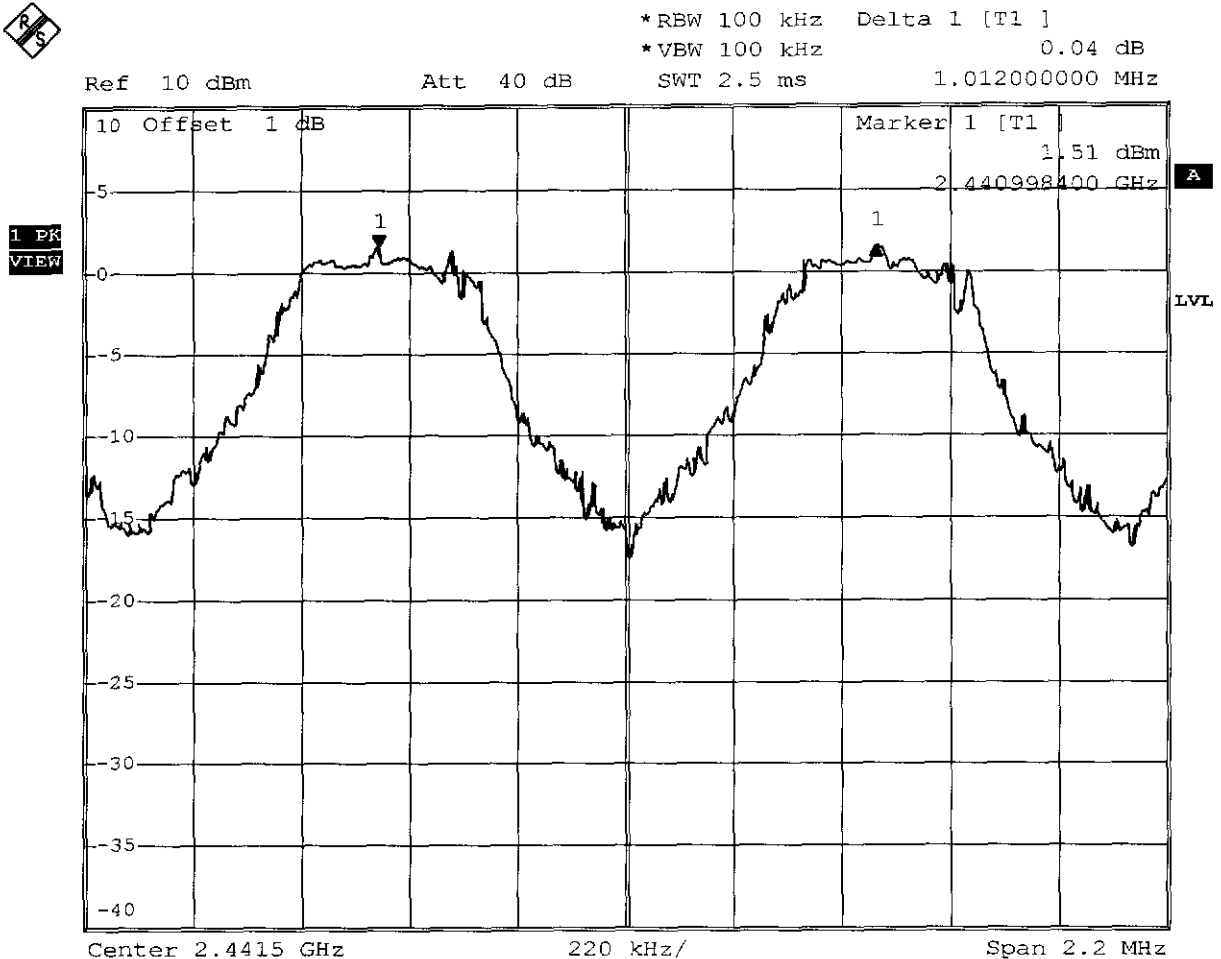
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Appendix G

Carrier frequency separation

FCC part 15.247**Carrier frequency separation**

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
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: Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass
Date: 9.JAN.2007 10:48:34

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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Appendix H

Spurious emission conducted

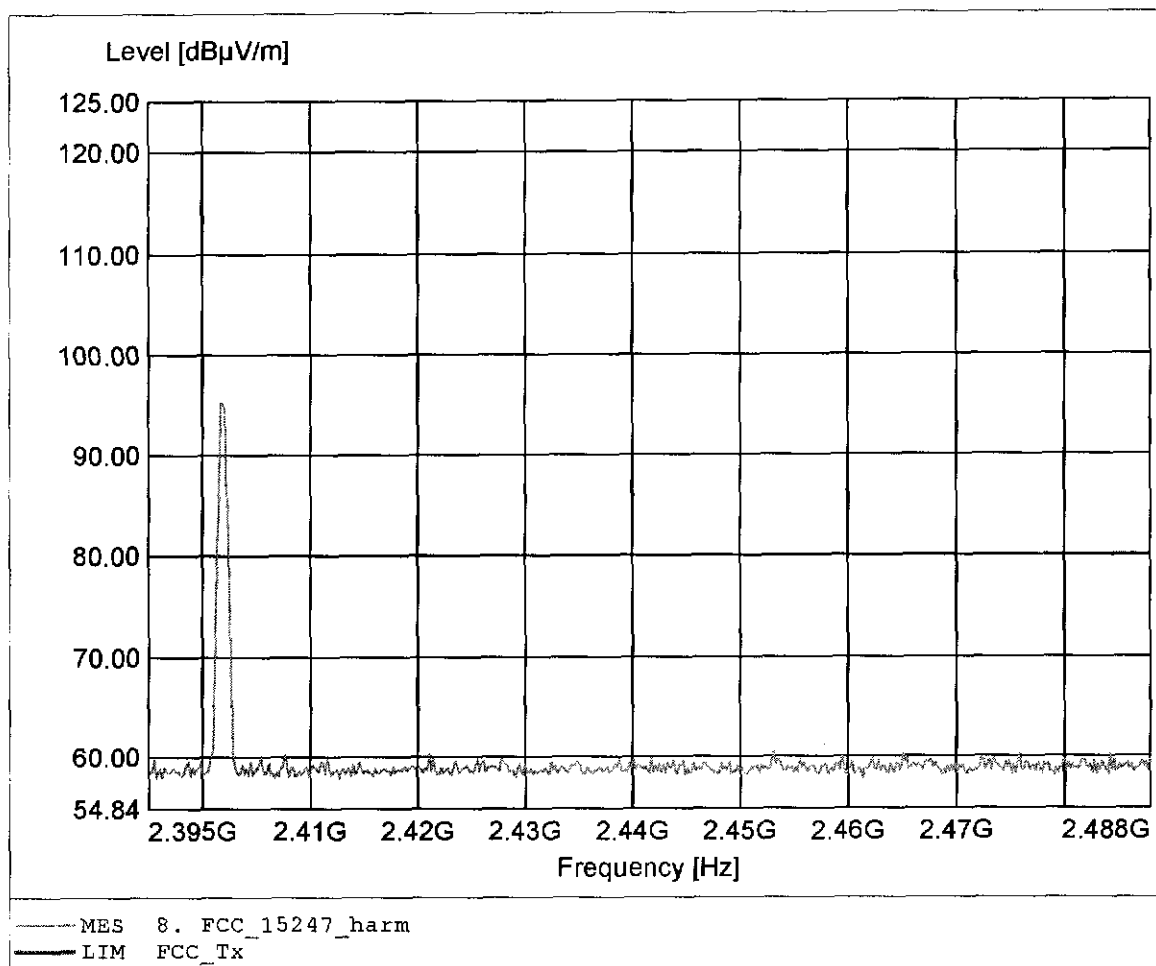
Appendix I

Spurious emission radiated

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

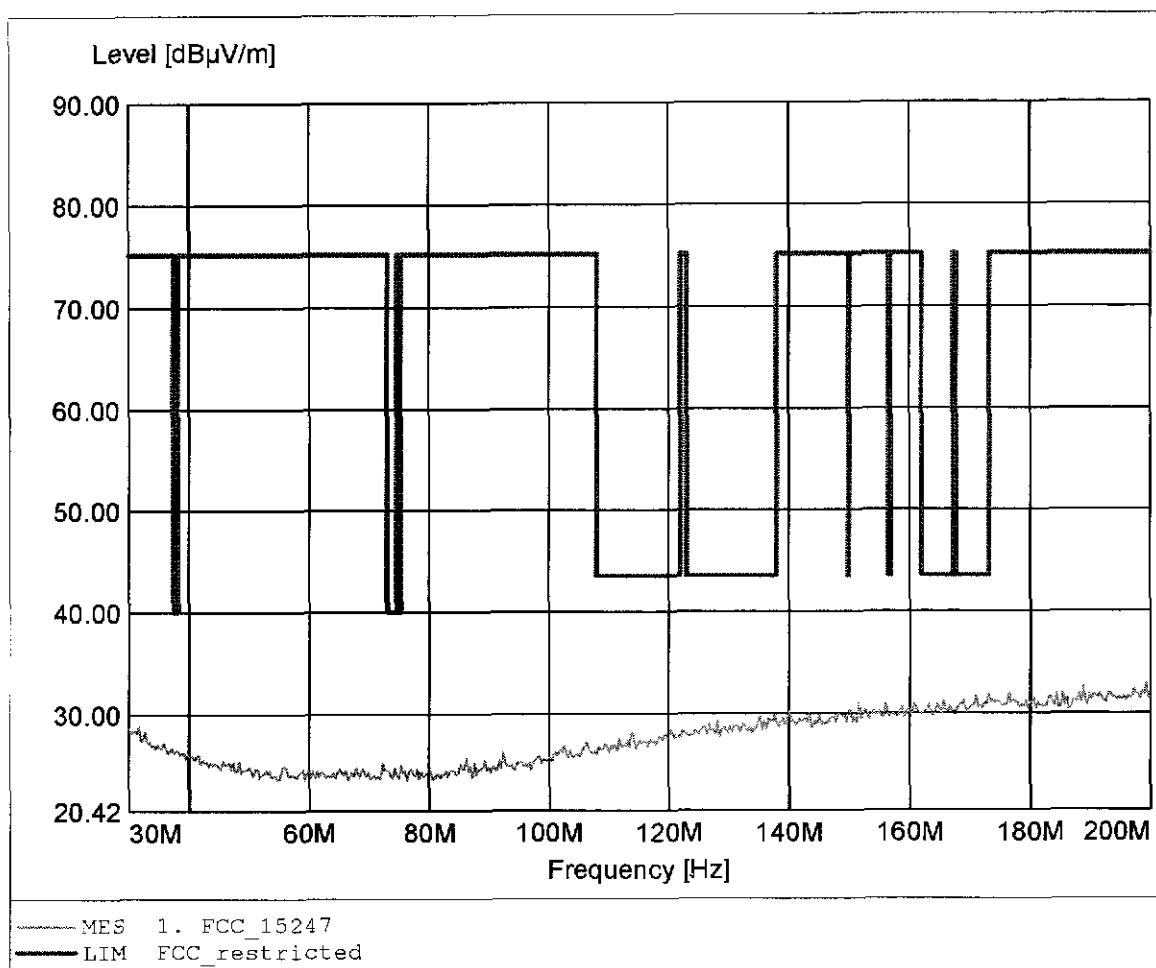
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Emax: 95.21dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

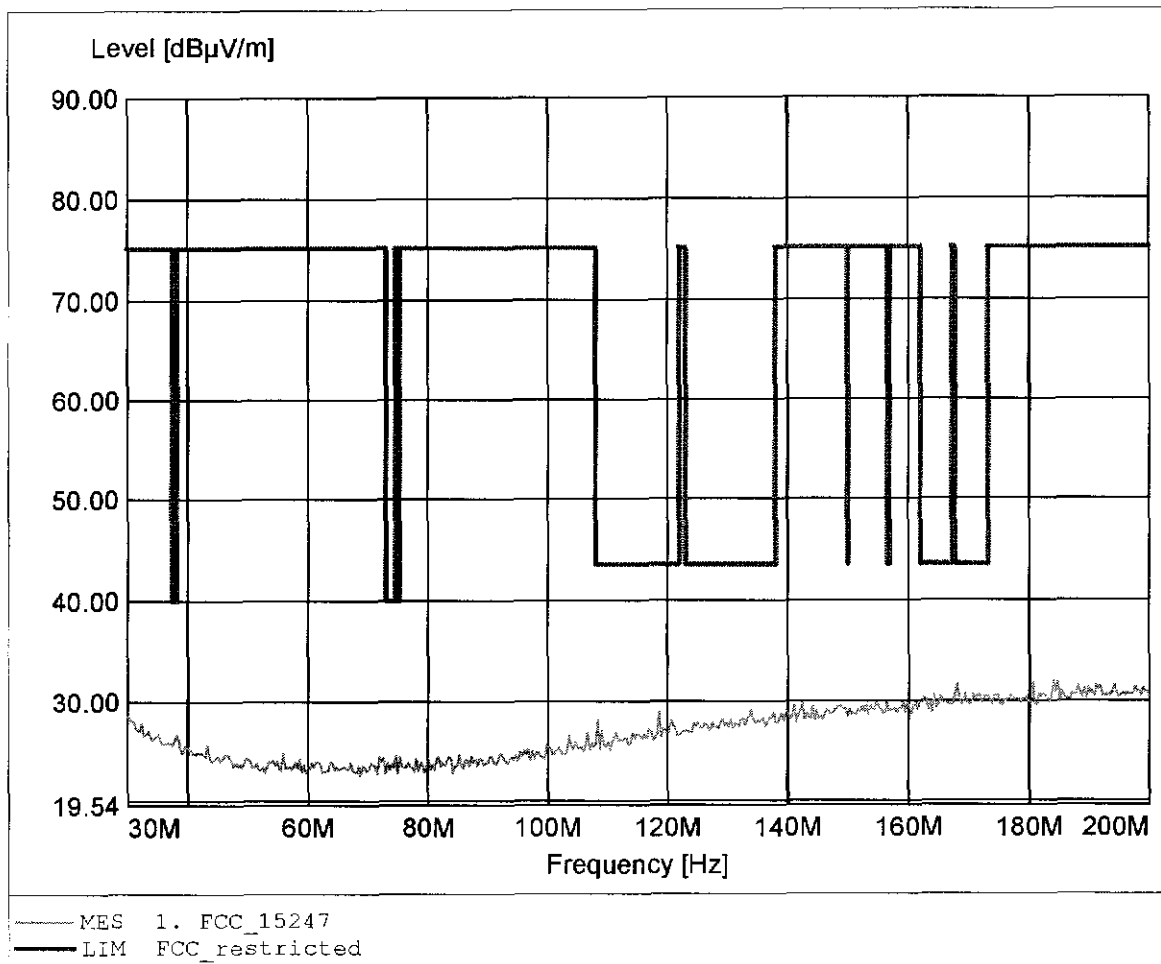
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 199.319MHz, Emax: 32.85dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

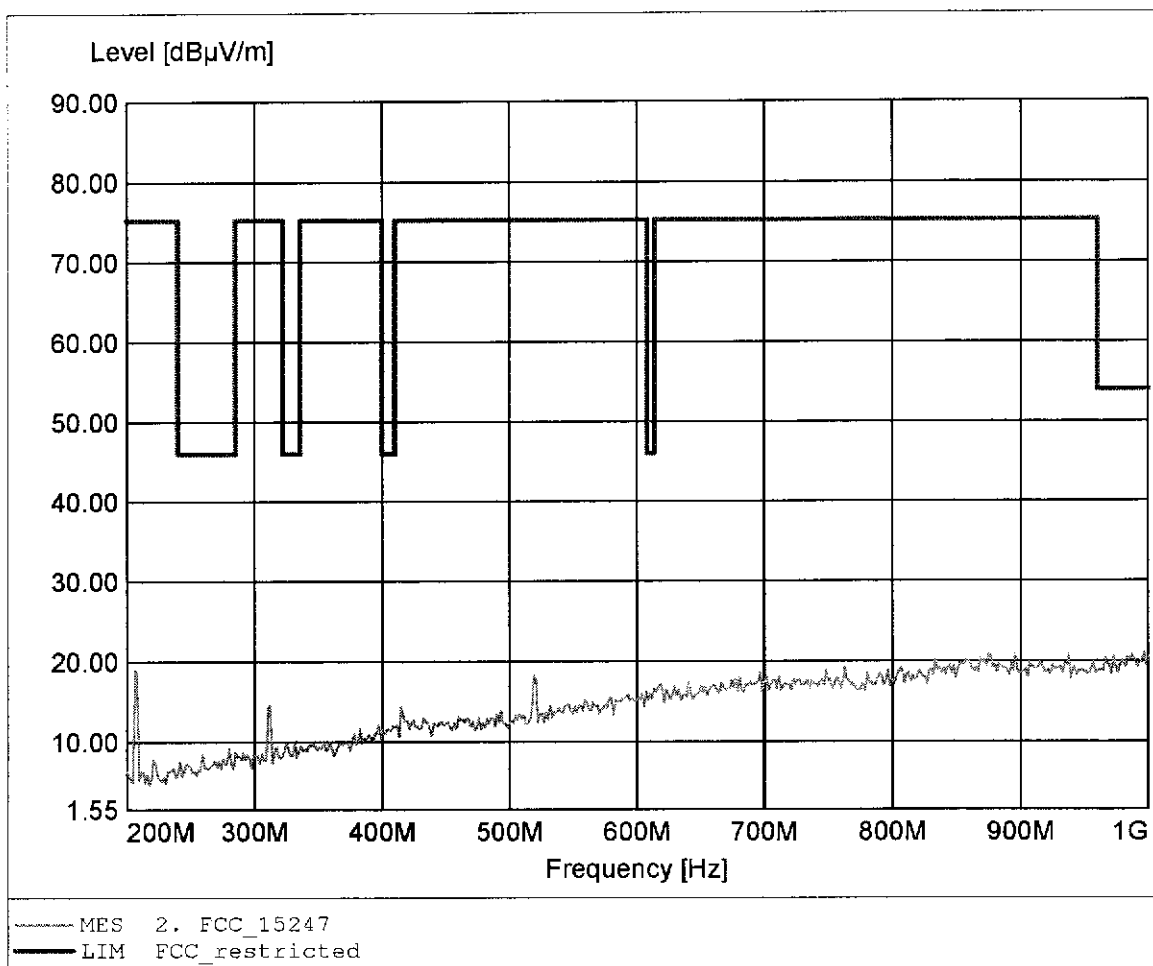
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 184.669MHz, Emax: 32.03dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

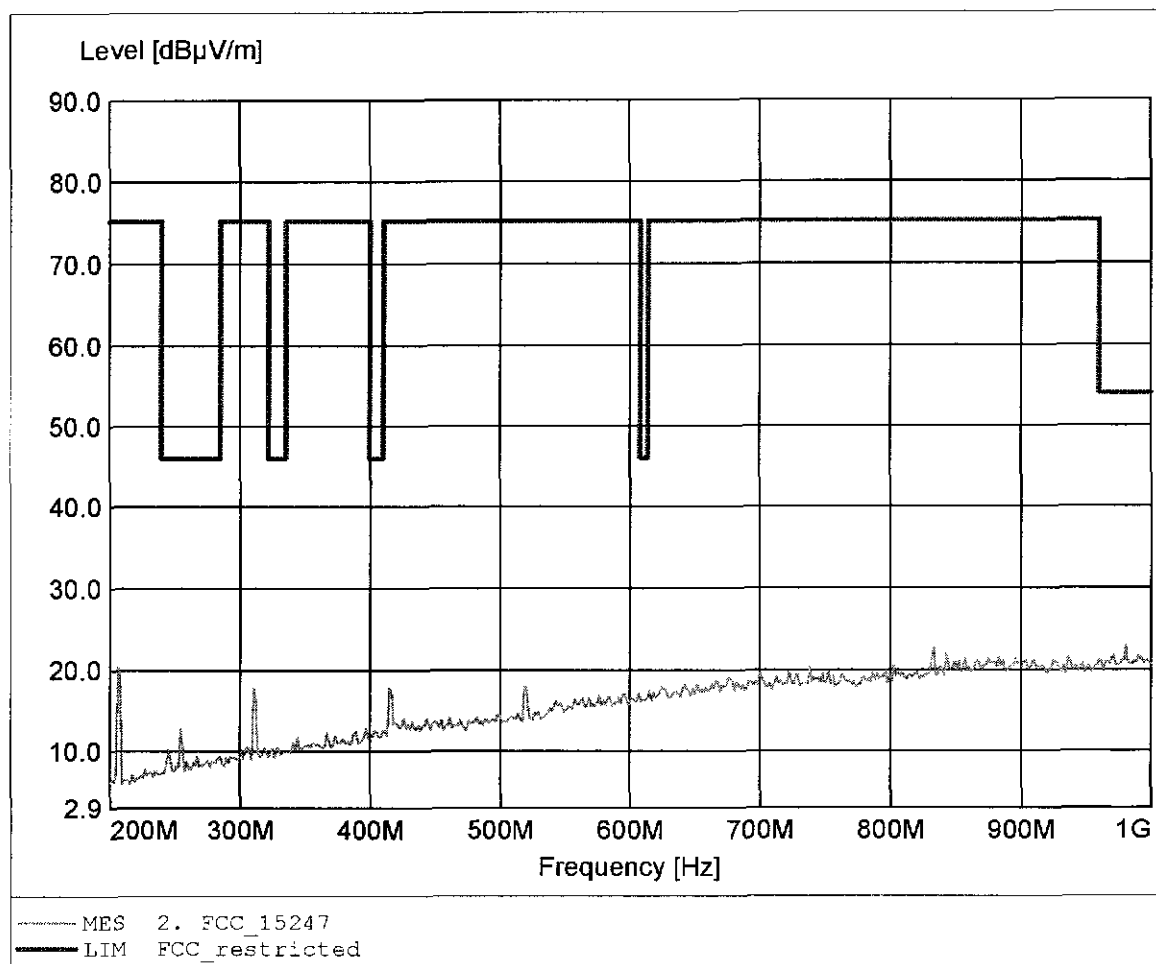
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 996.794MHz, Emax: 21.02dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

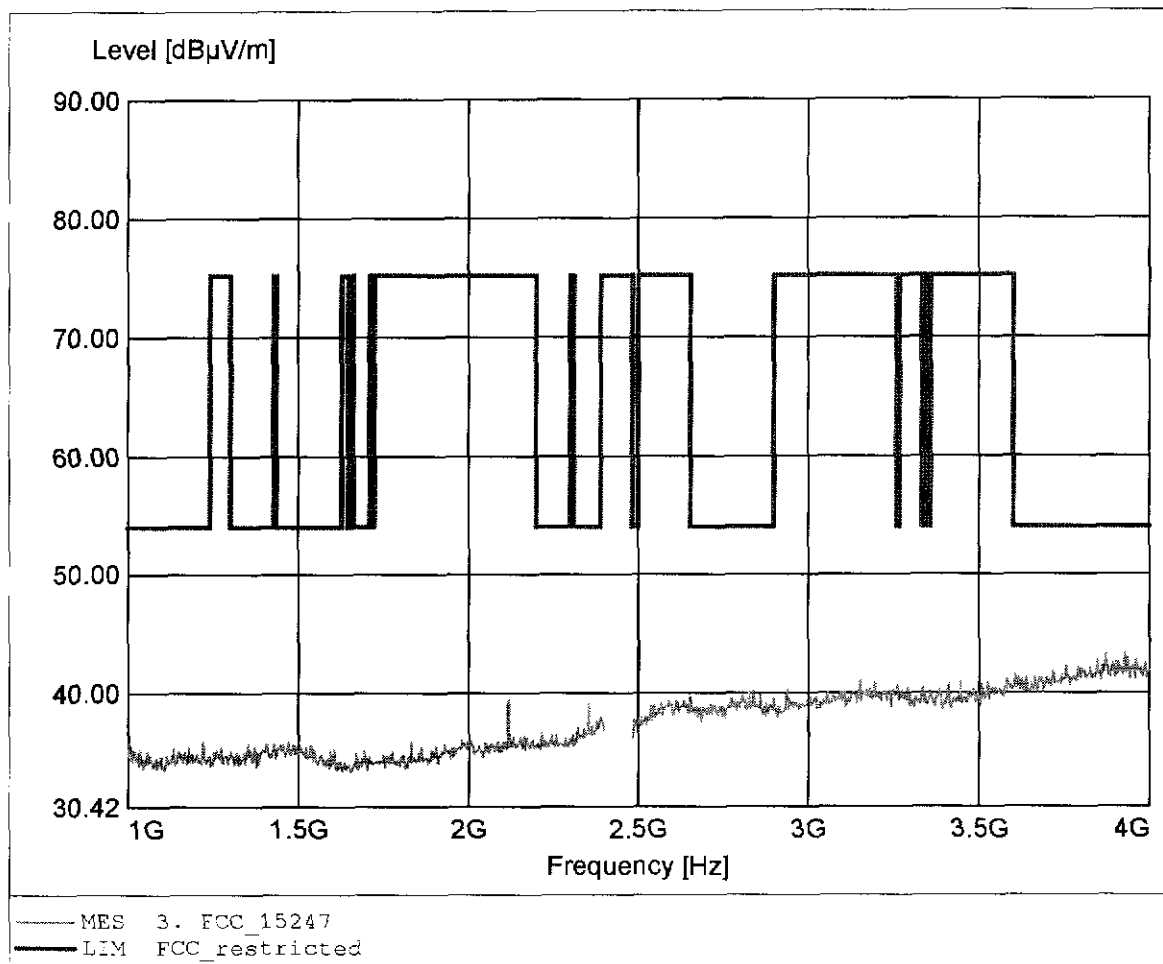
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 980.762MHz, Emax: 22.85dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

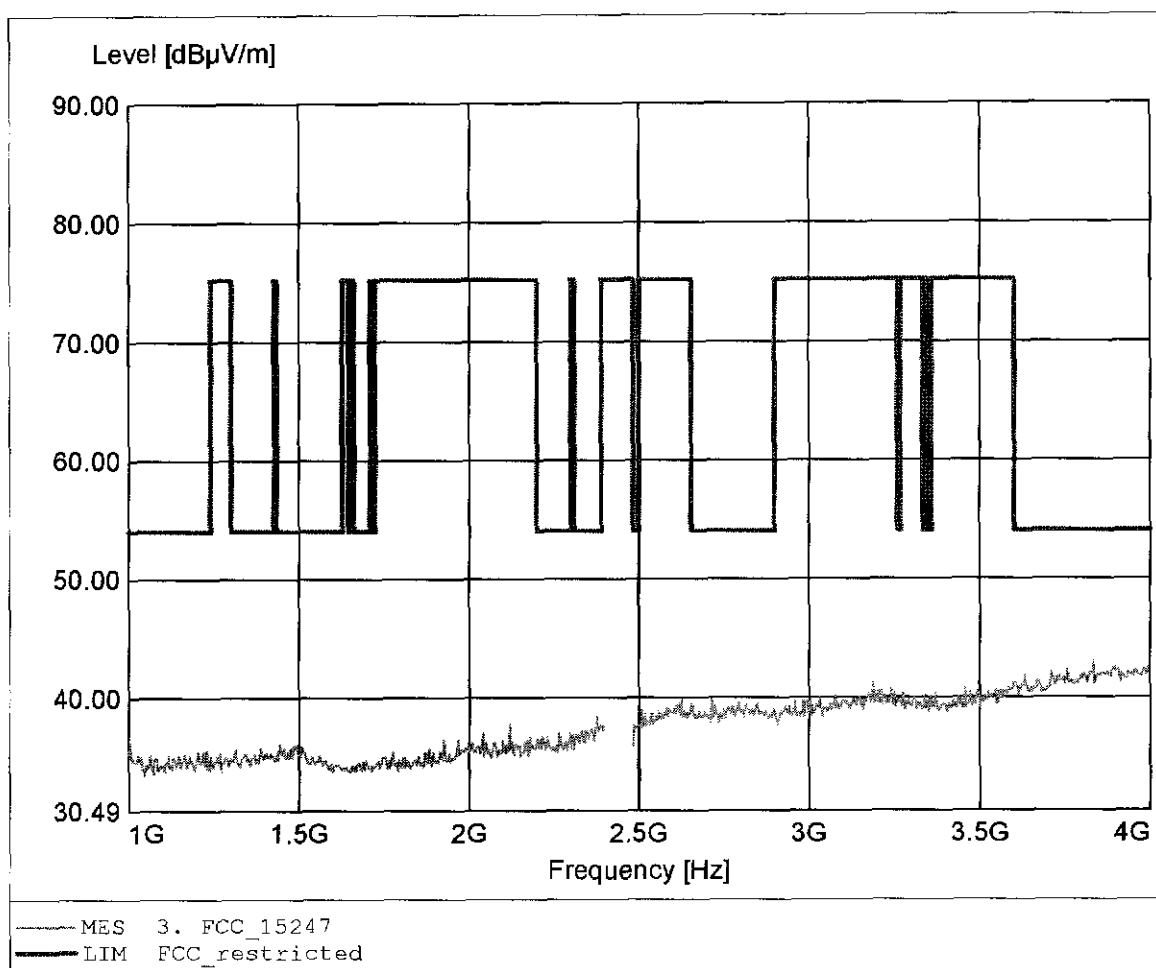
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.927GHz, Emax: 43.28dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

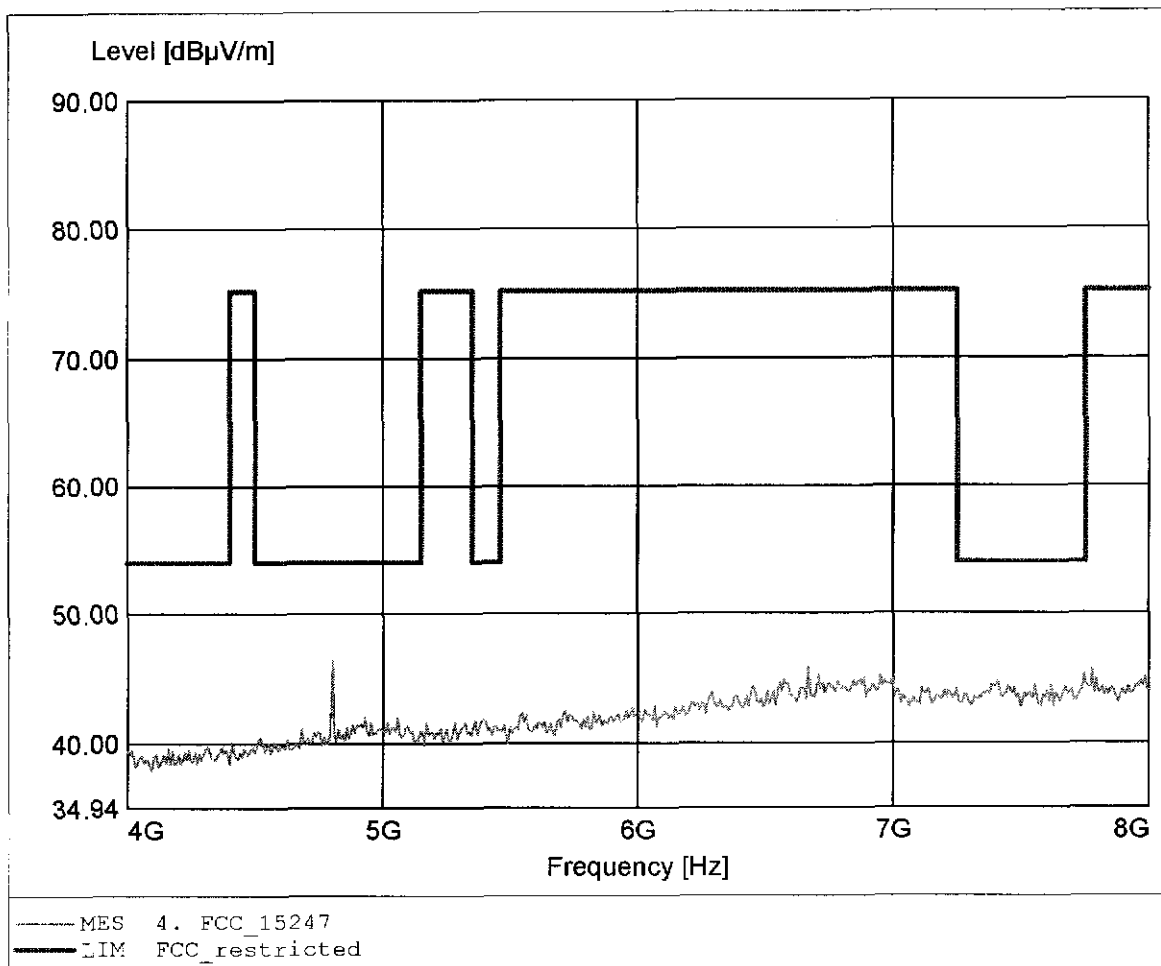
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.833GHz, Emax: 42.97dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

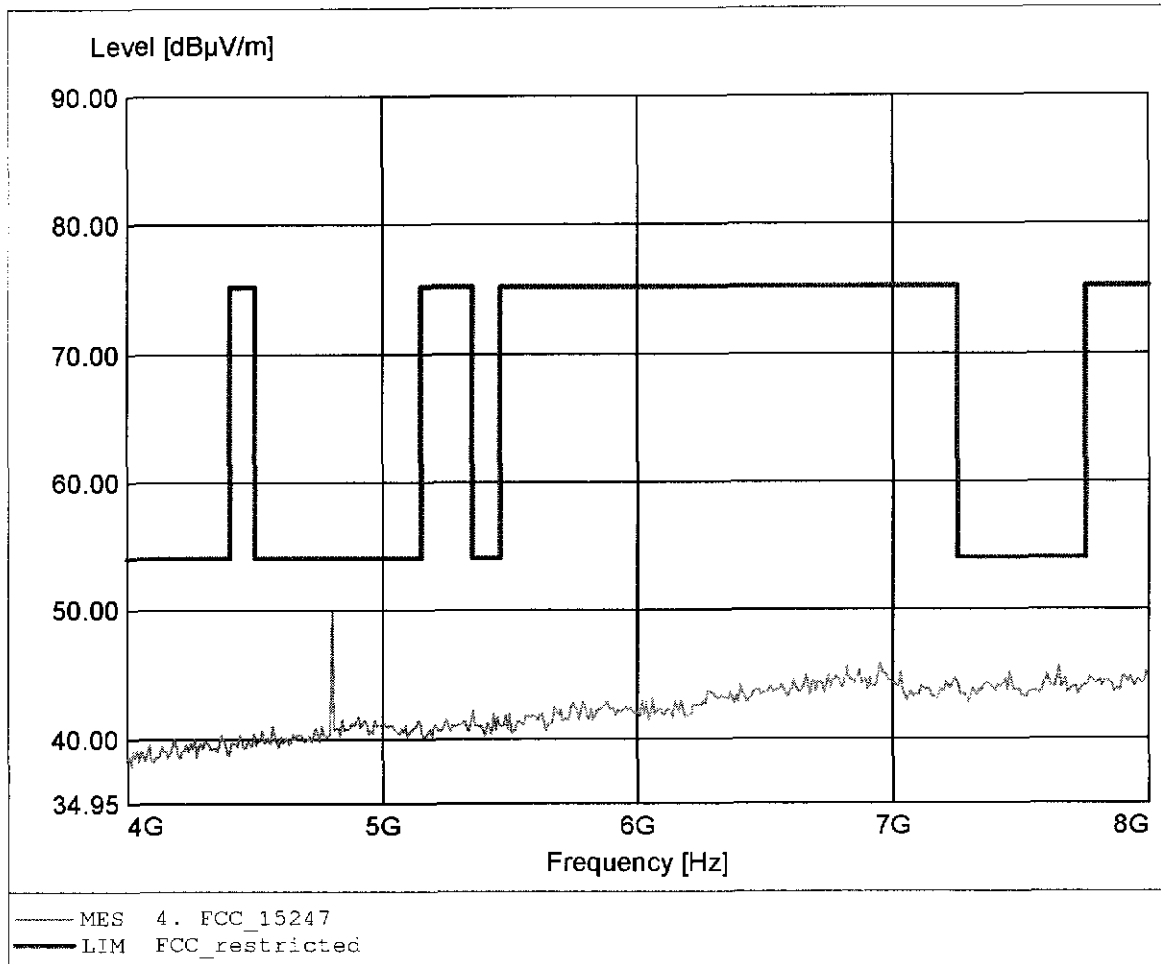
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 46.44dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

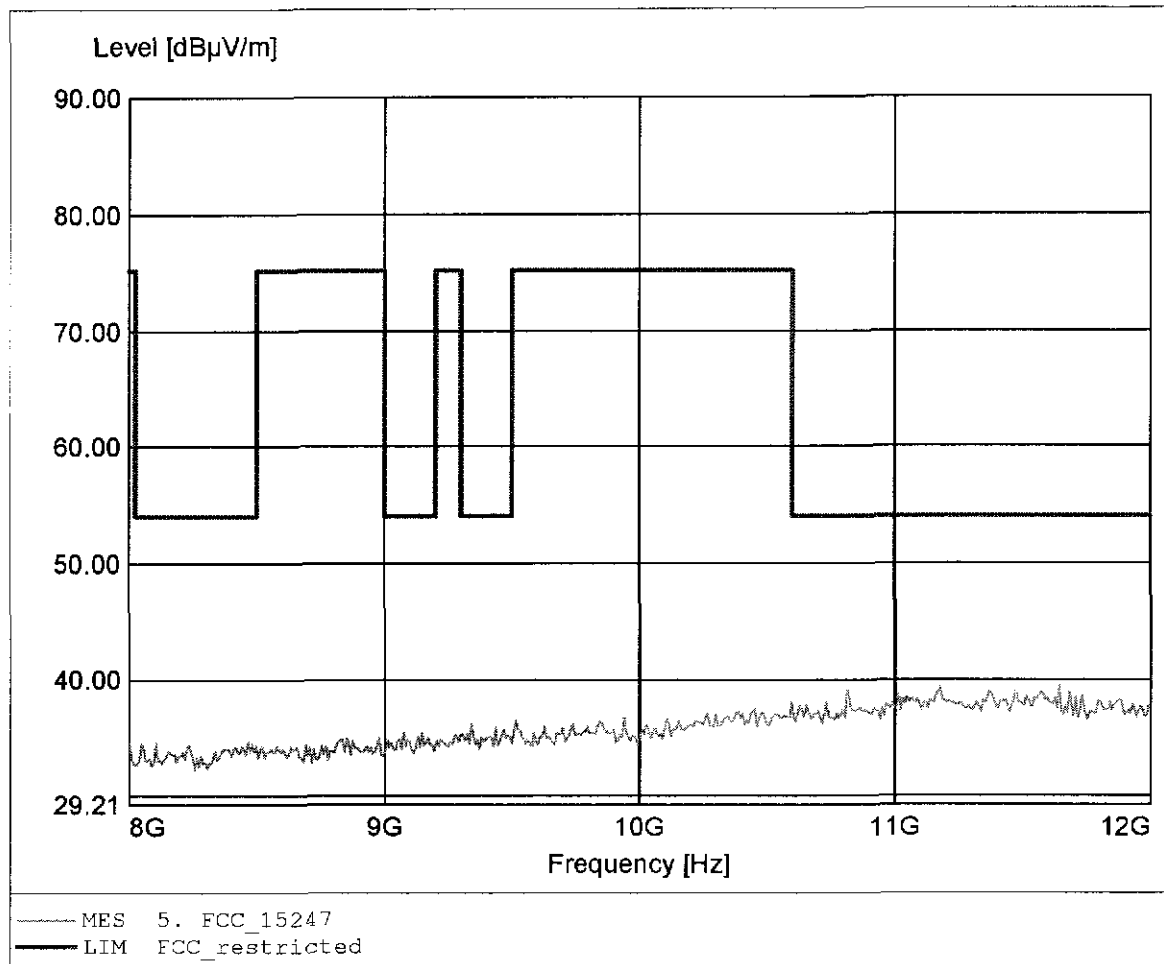
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 49.80dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

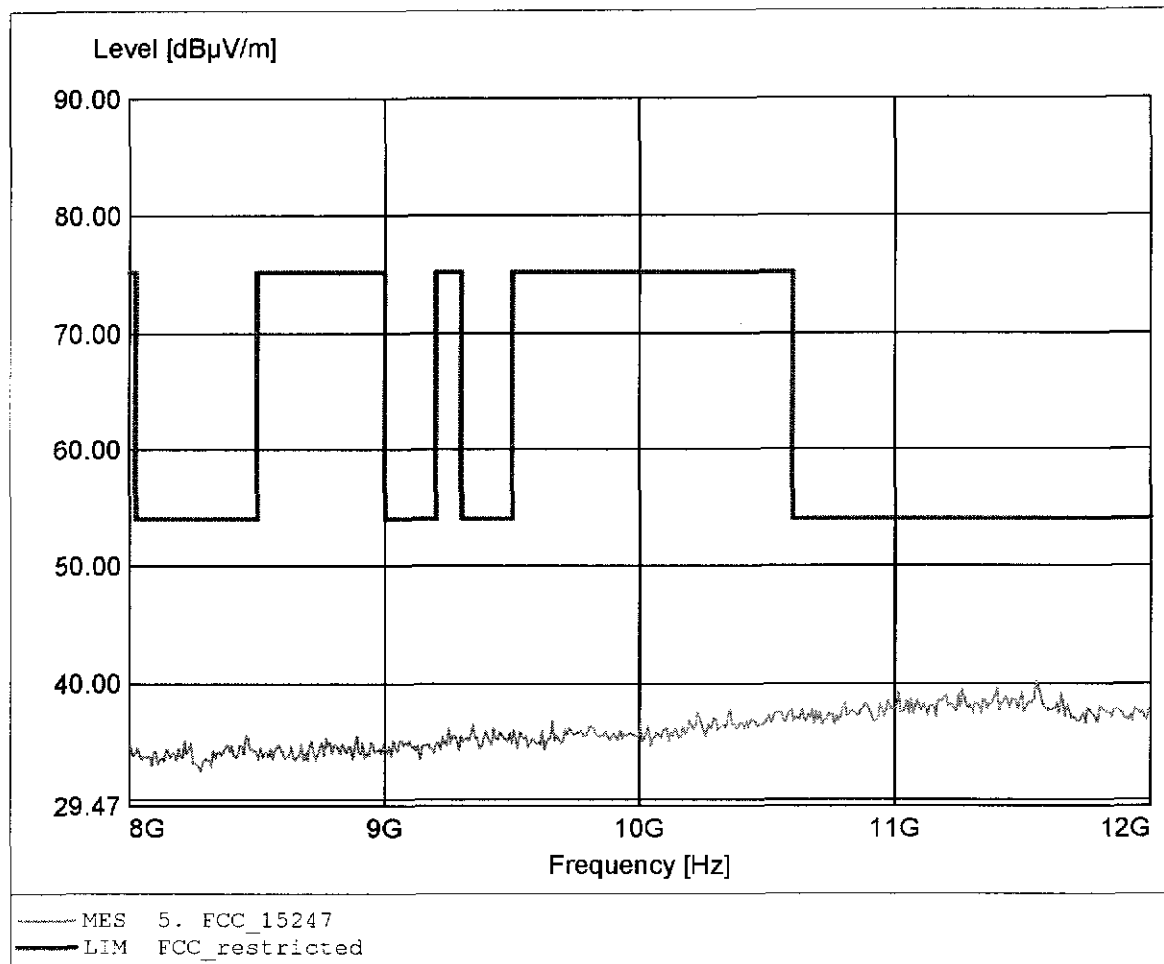
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.639GHz, Emax: 39.50dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

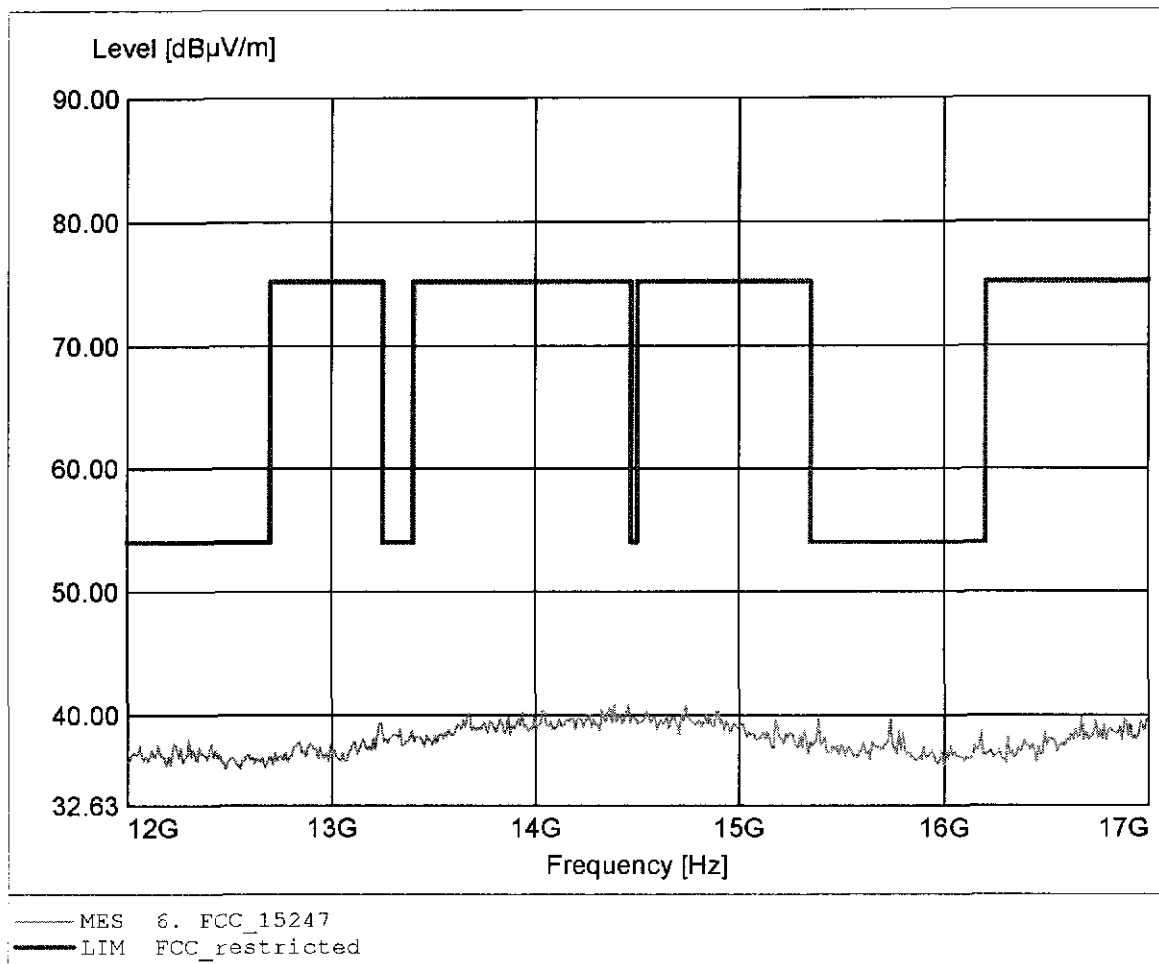
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.551GHz, Emax: 40.27dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

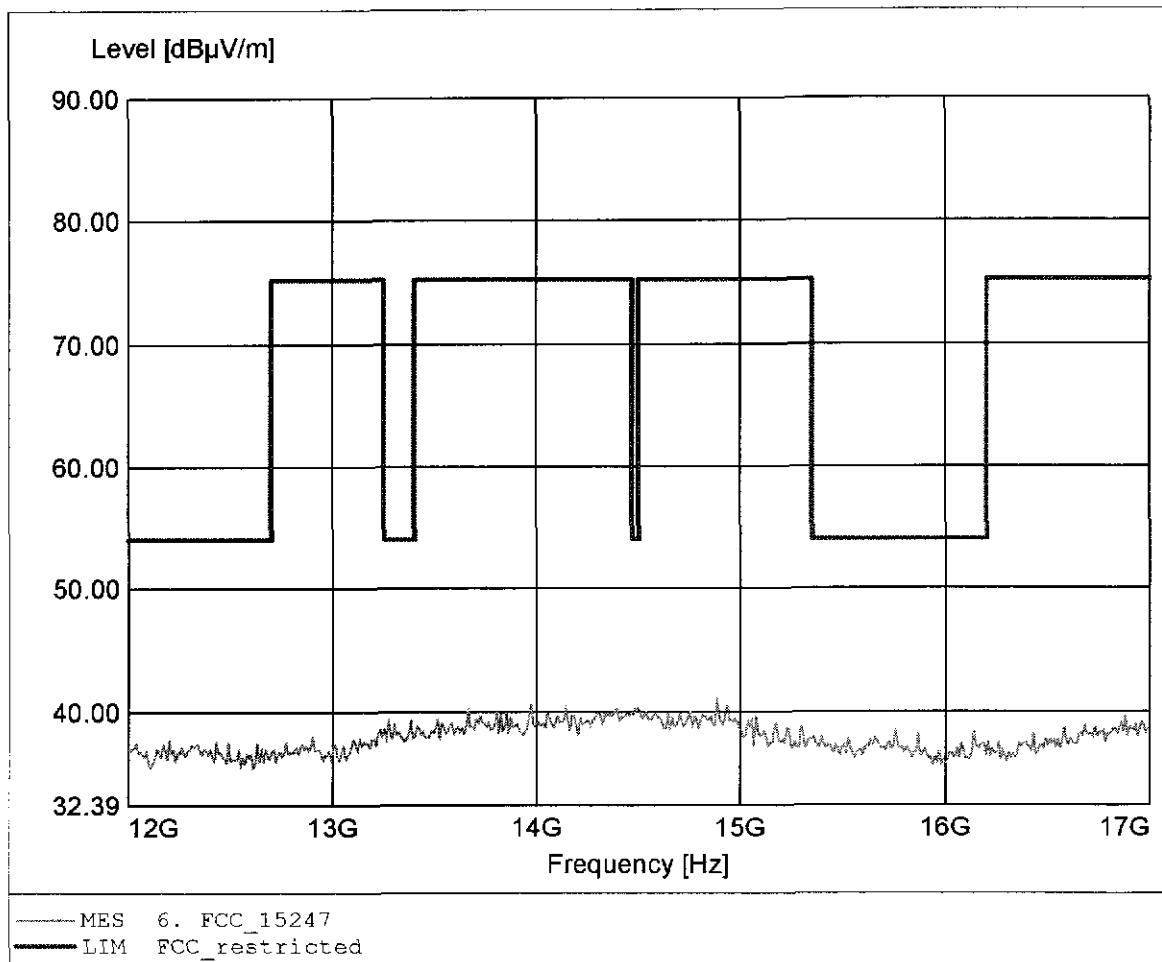
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.455GHz, Emax: 40.80dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

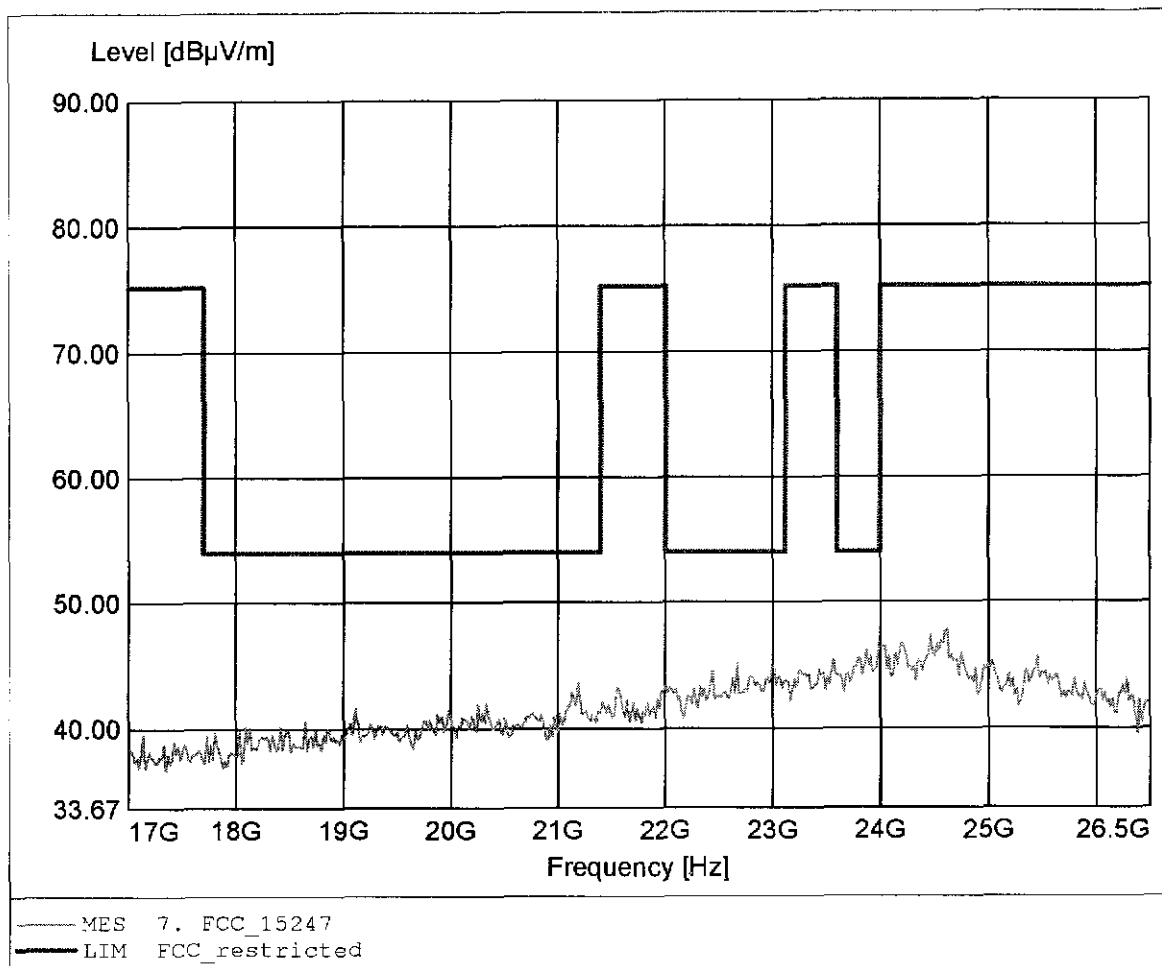
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.886GHz, Emax: 41.06dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

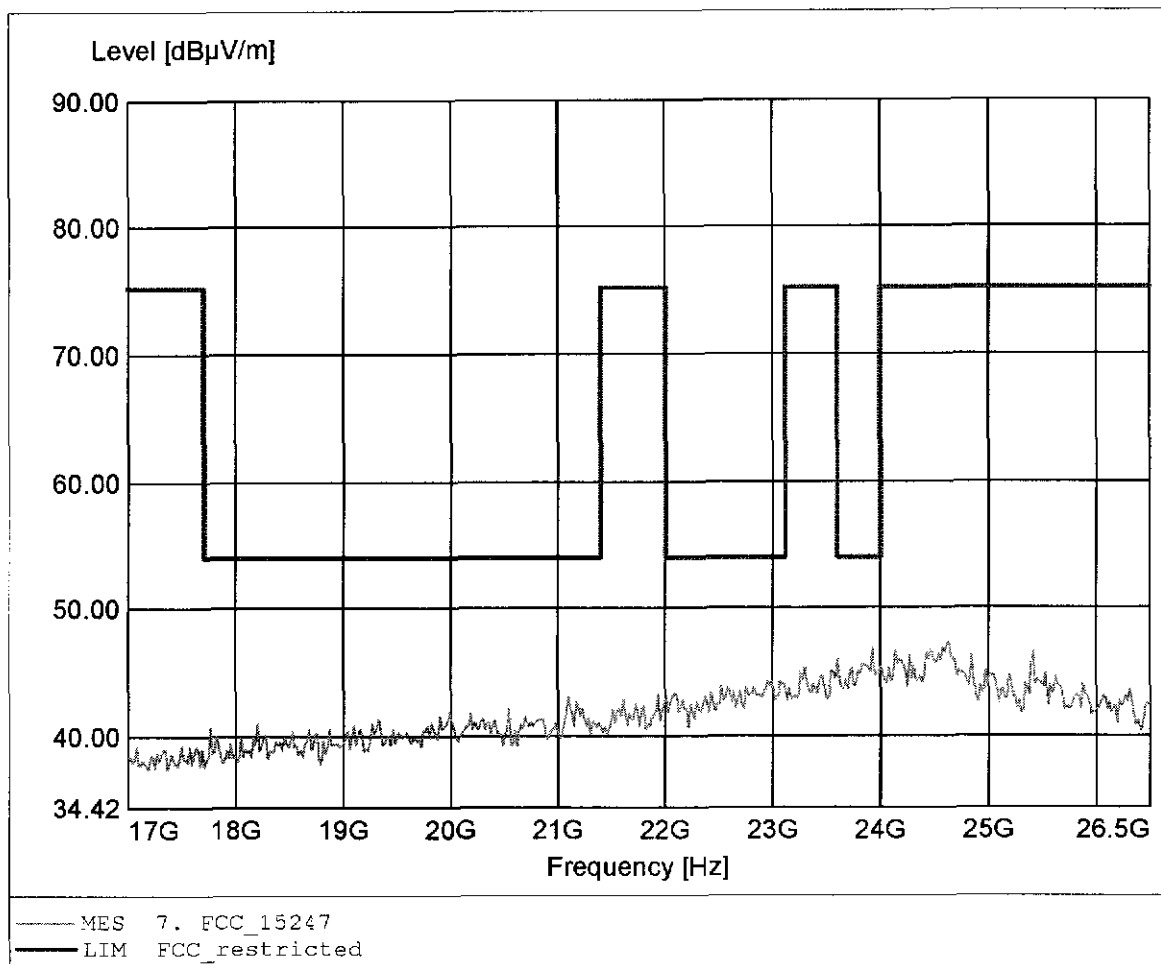
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.615GHz, Emax: 47.87dB μ V/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

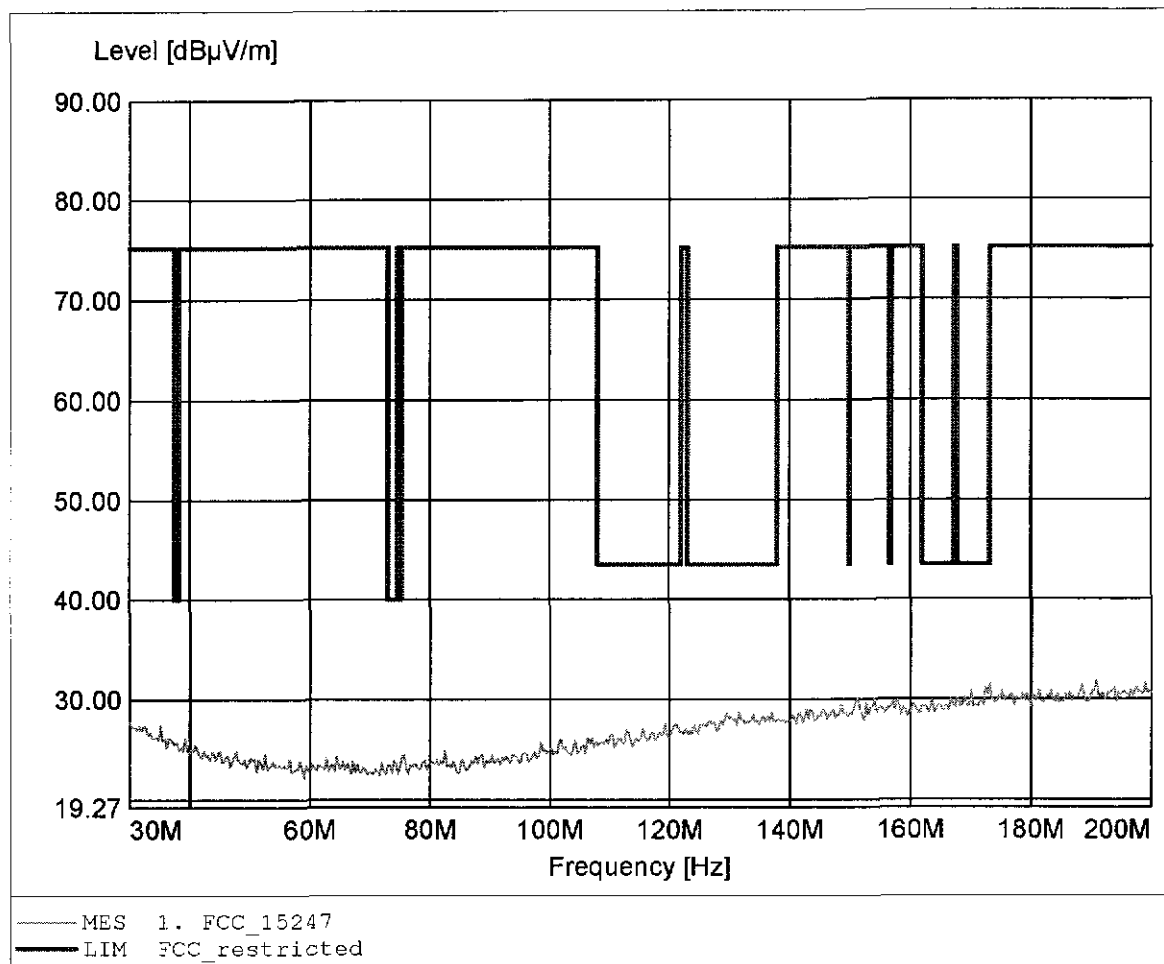
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.634GHz, Emax: 47.24dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

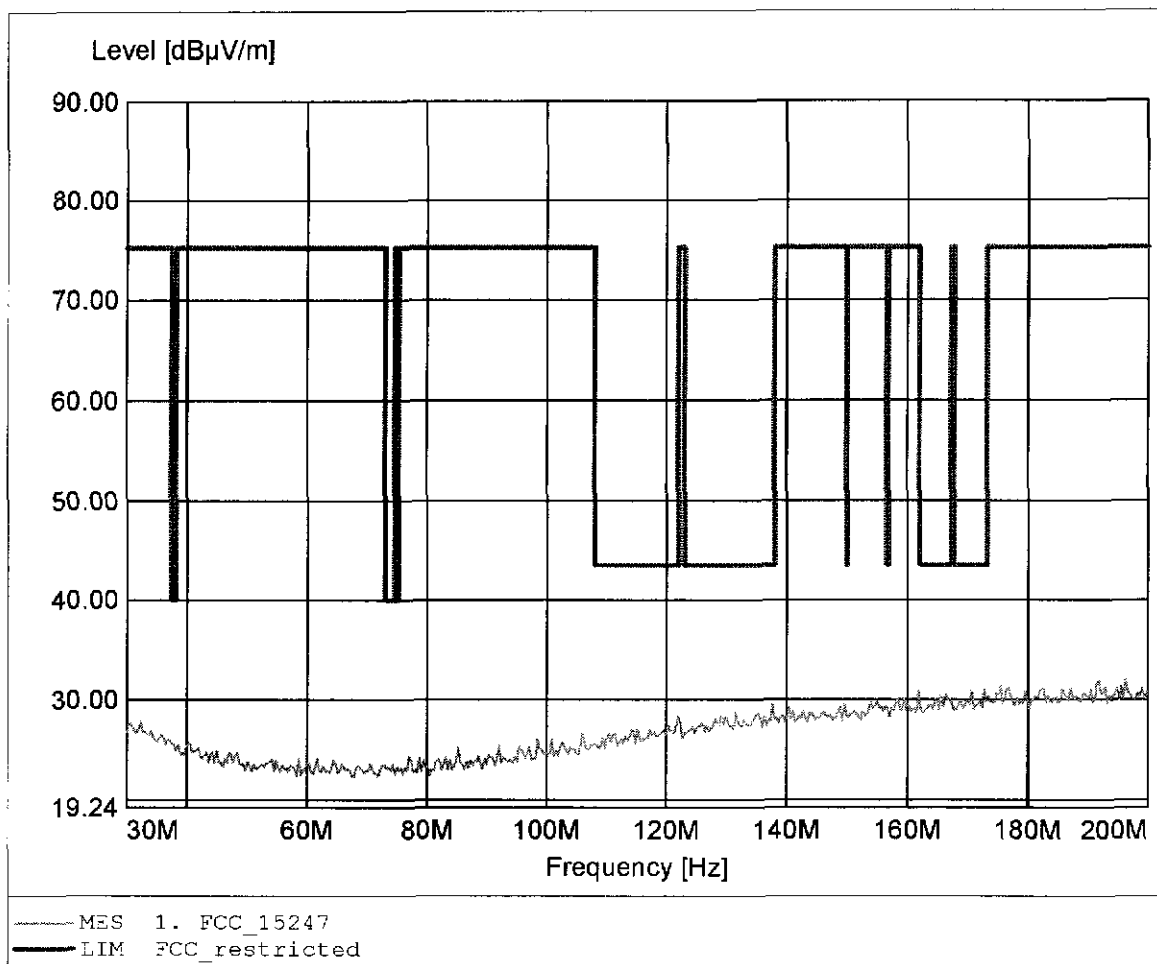
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 190.802MHz, Emax: 31.84dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

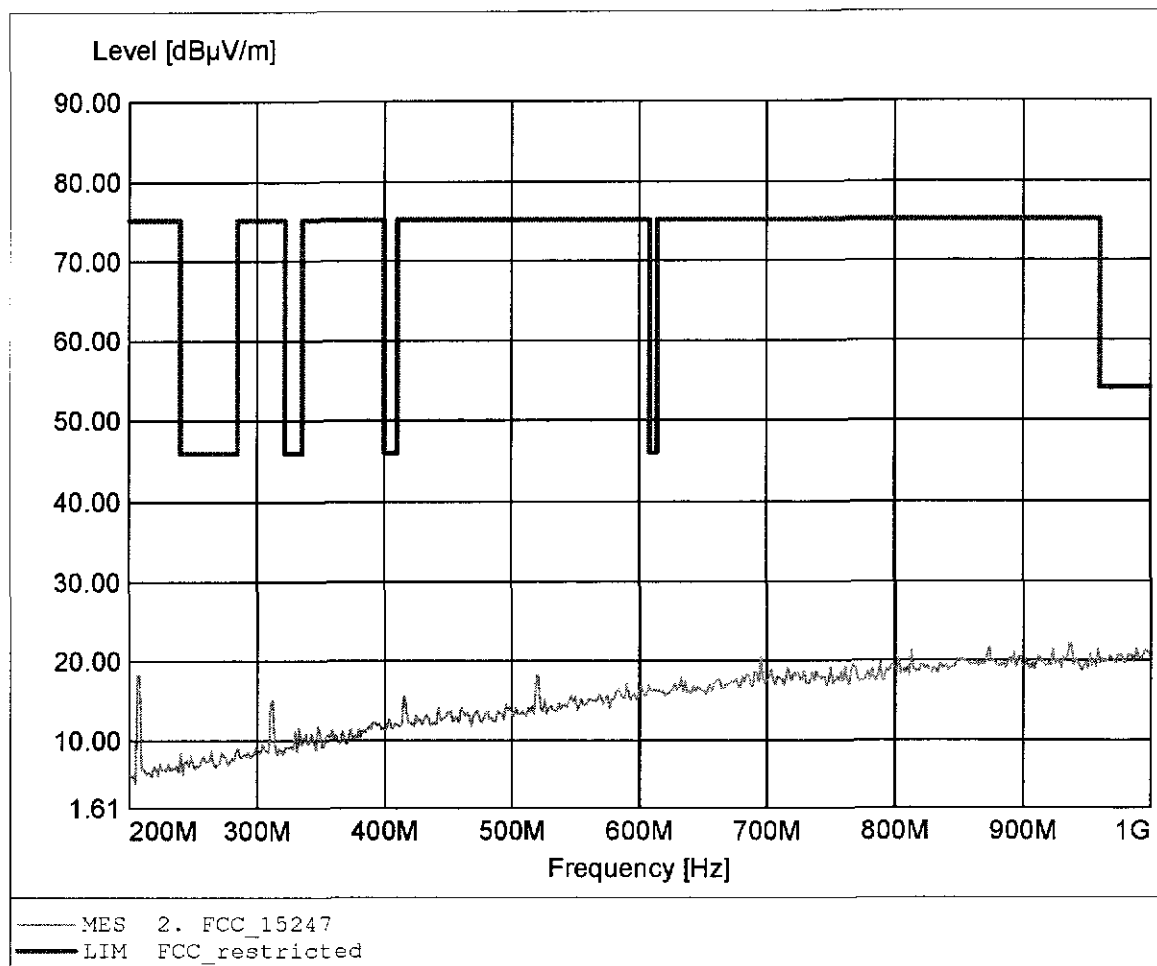
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 196.253MHz, Emax: 31.92dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

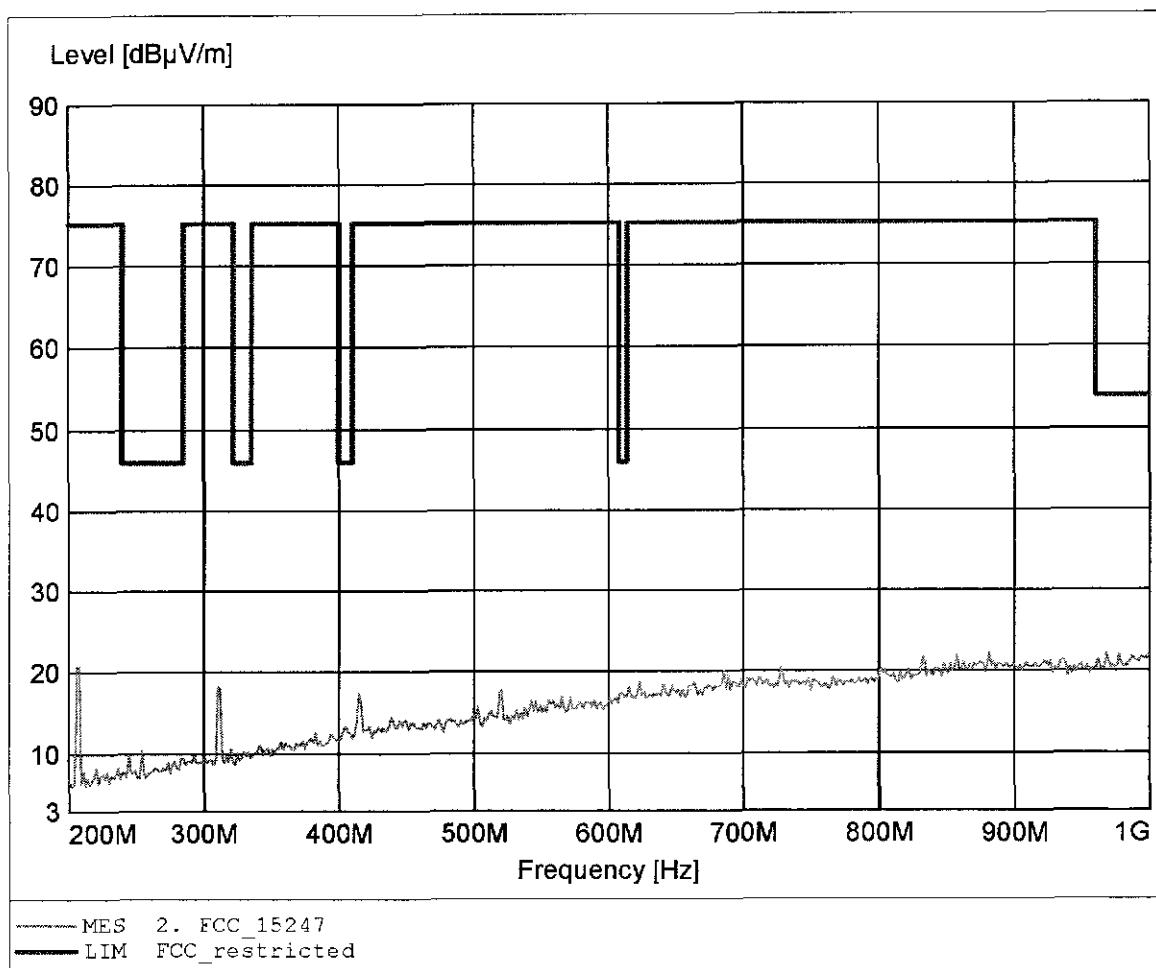
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 935.872MHz, Emax: 22.10dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

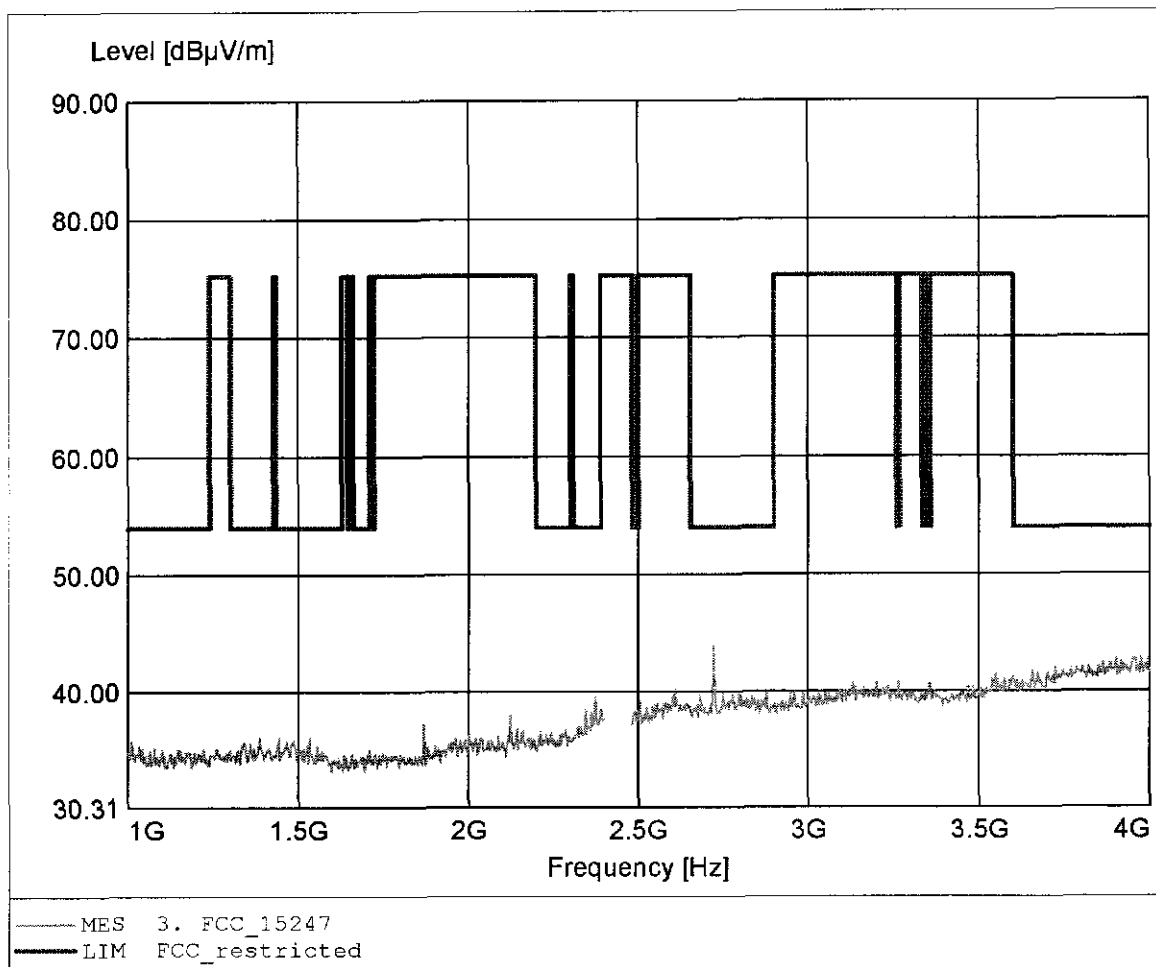
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 967.936MHz, Emax: 22.16dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

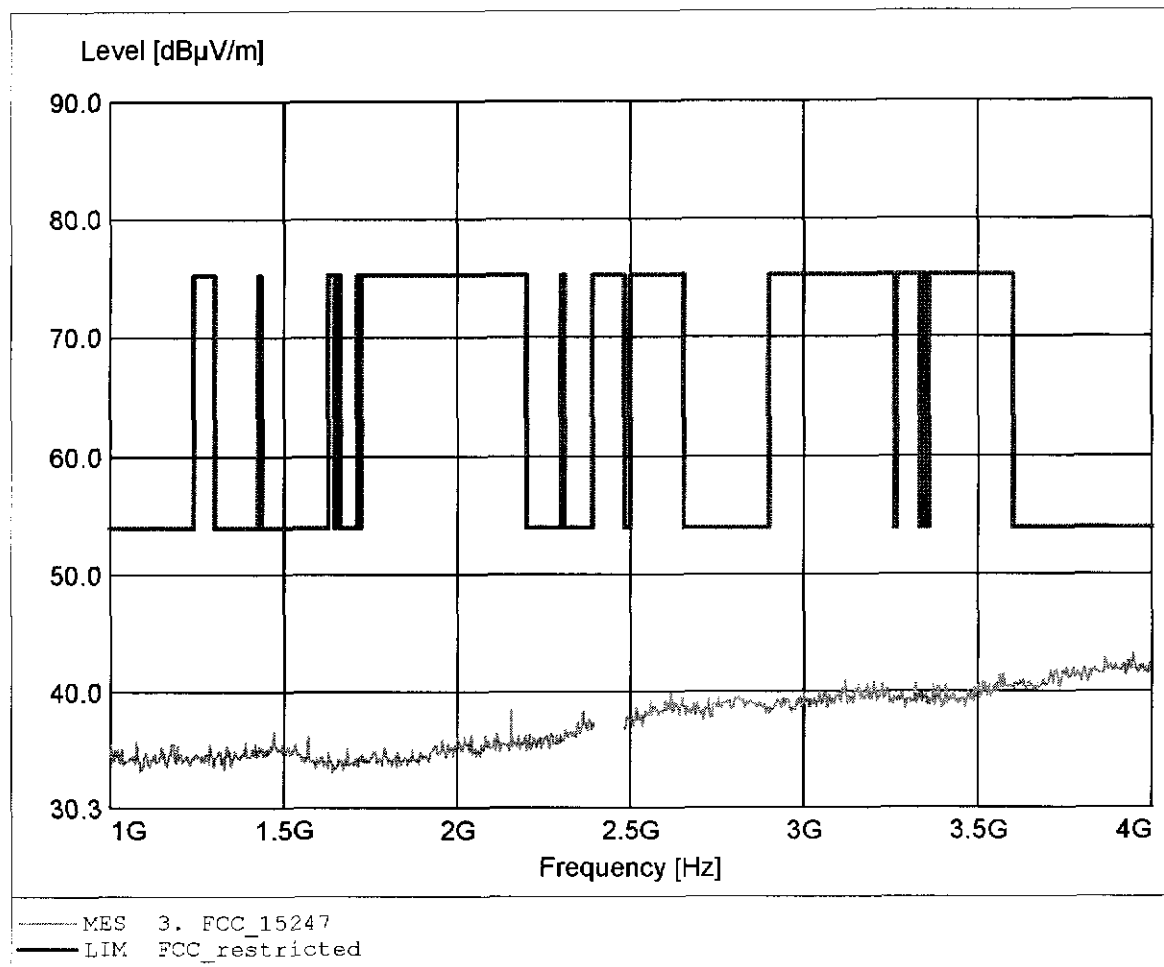
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.724GHz, Emax: 44.03dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

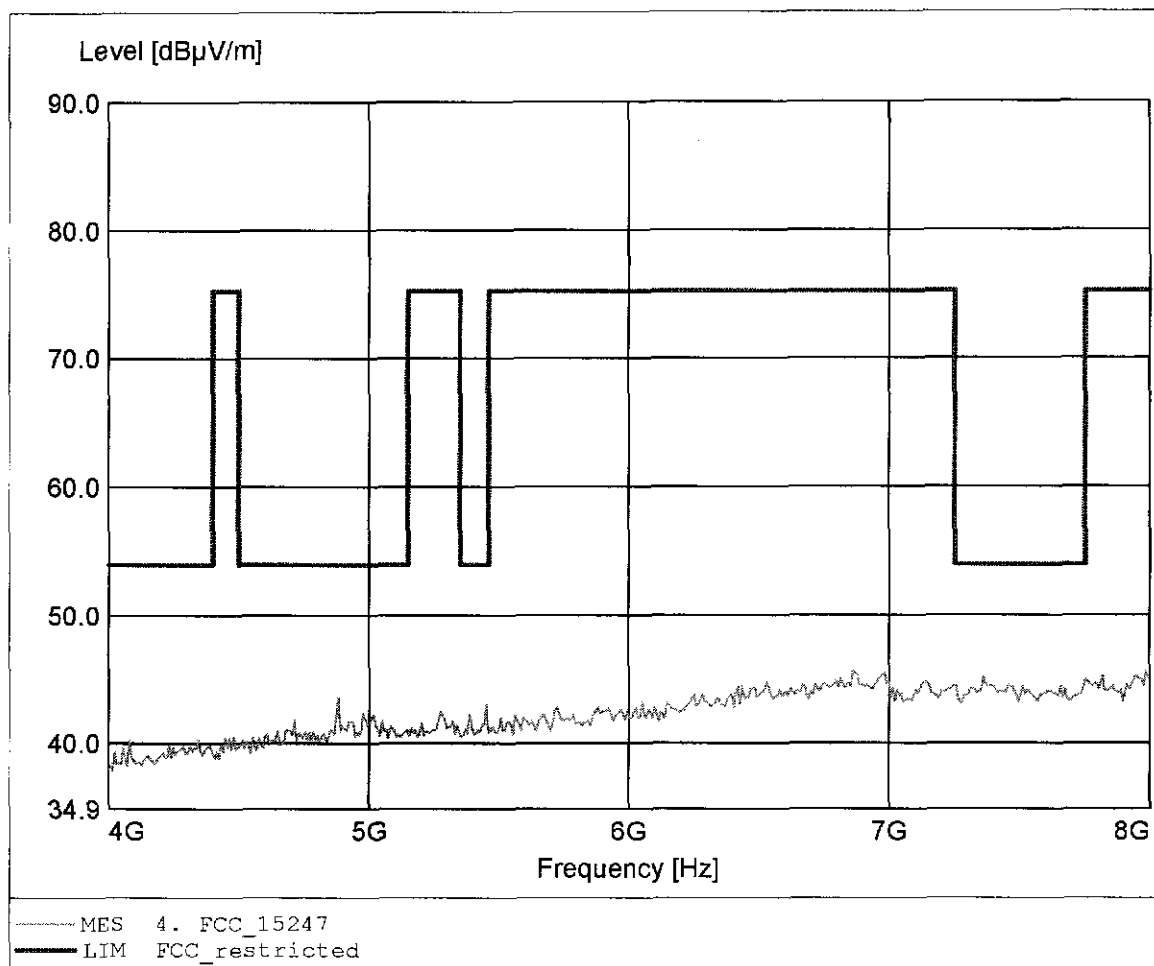
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.945GHz, Emax: 43.18dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

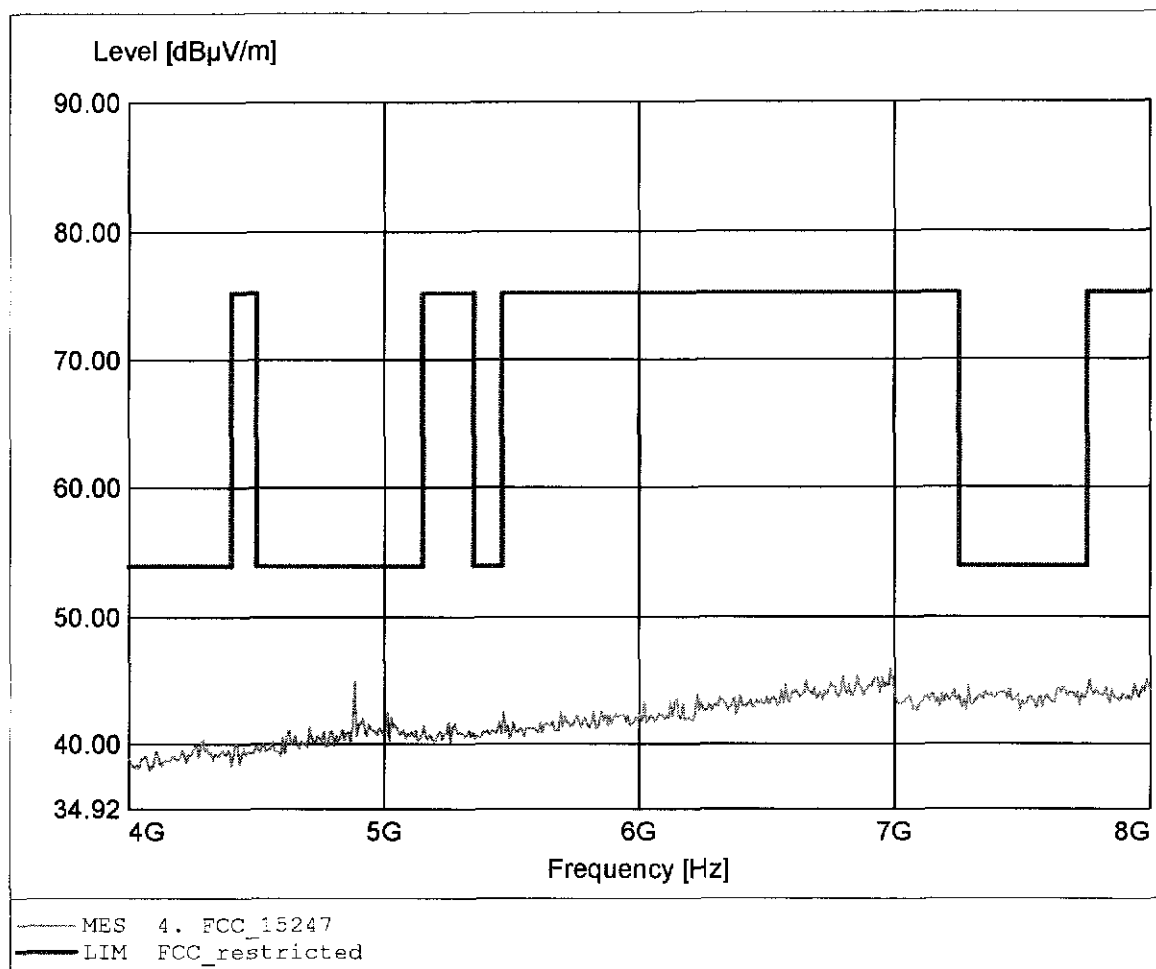
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.862GHz, Emax: 45.59dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

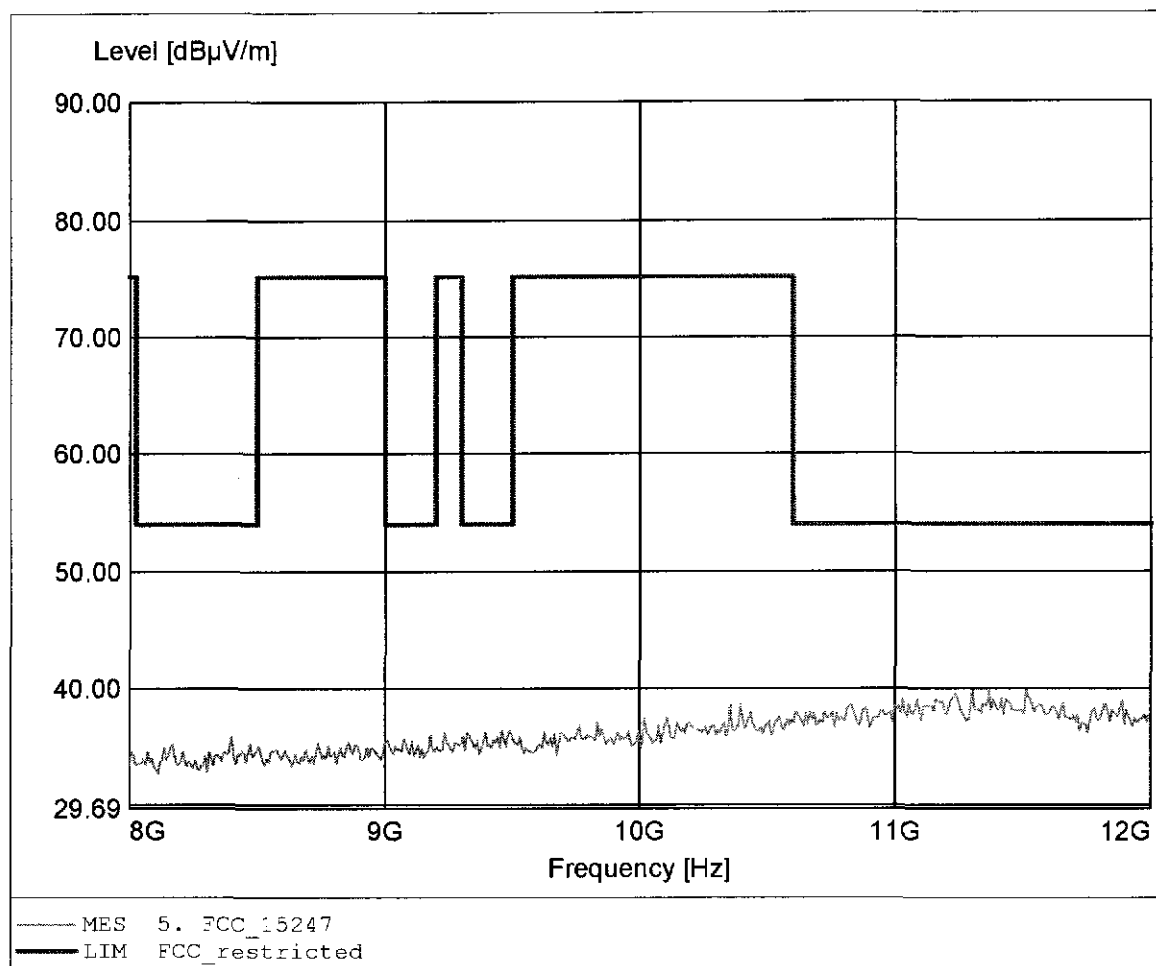
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.982GHz, Emax: 45.89dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

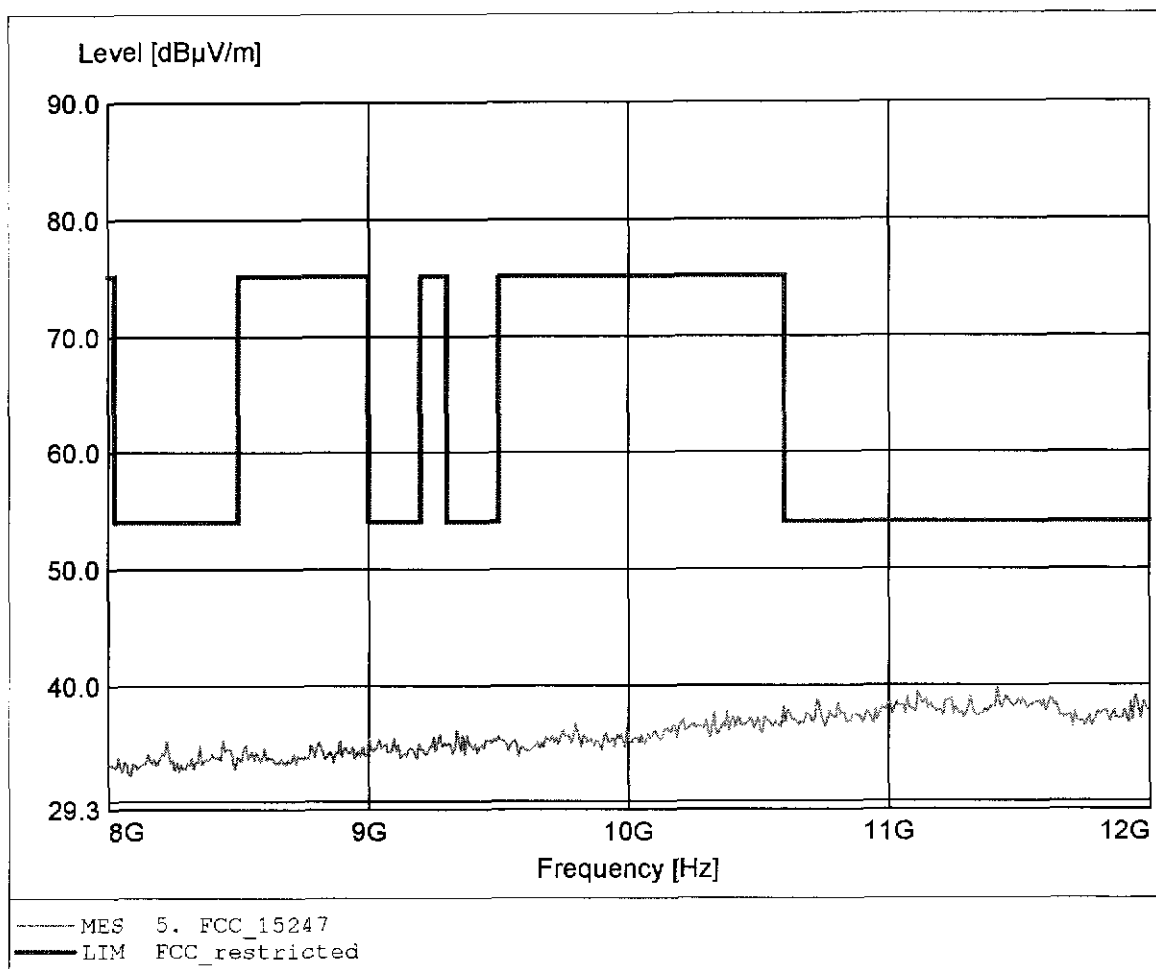
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.303GHz, Emax: 39.91dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

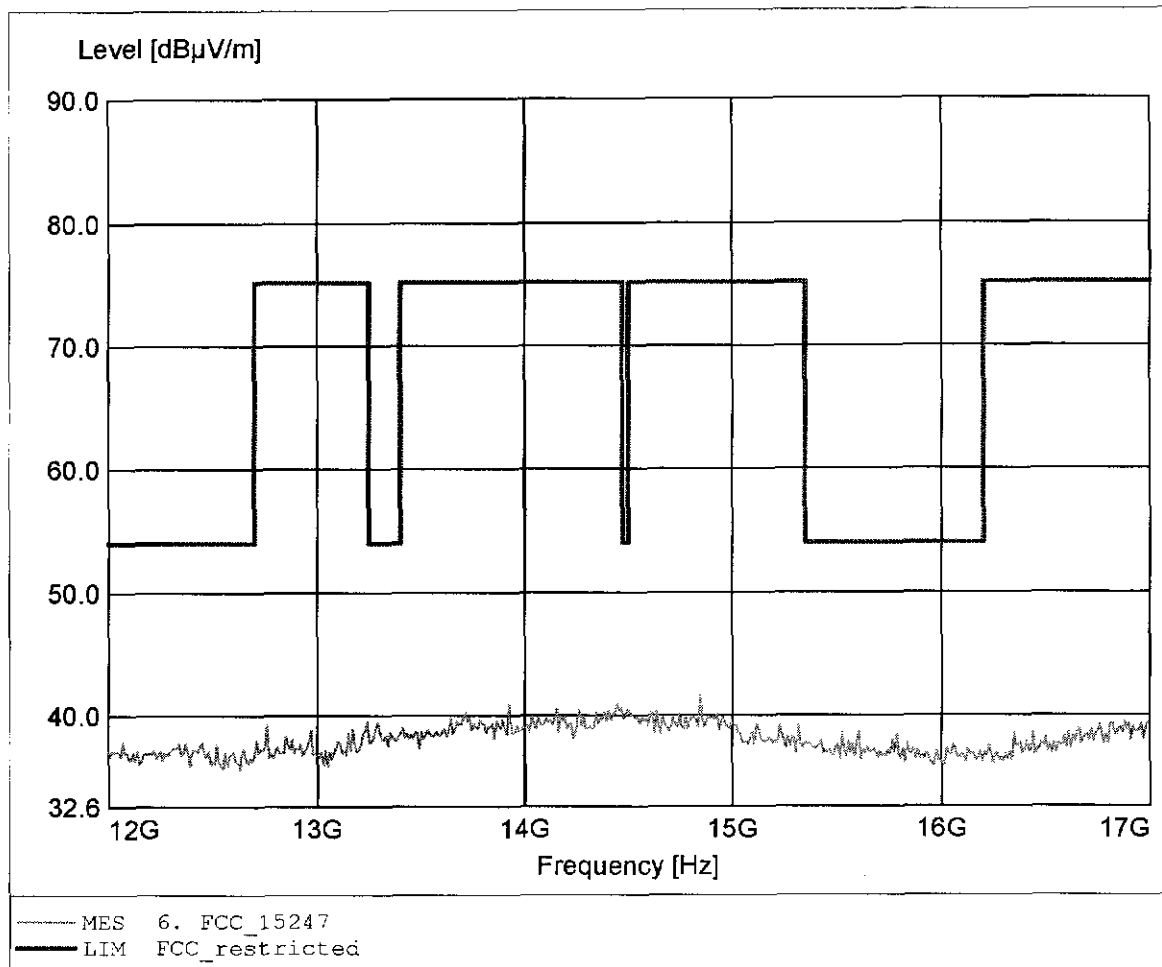
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.415GHz, Emax: 39.95dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

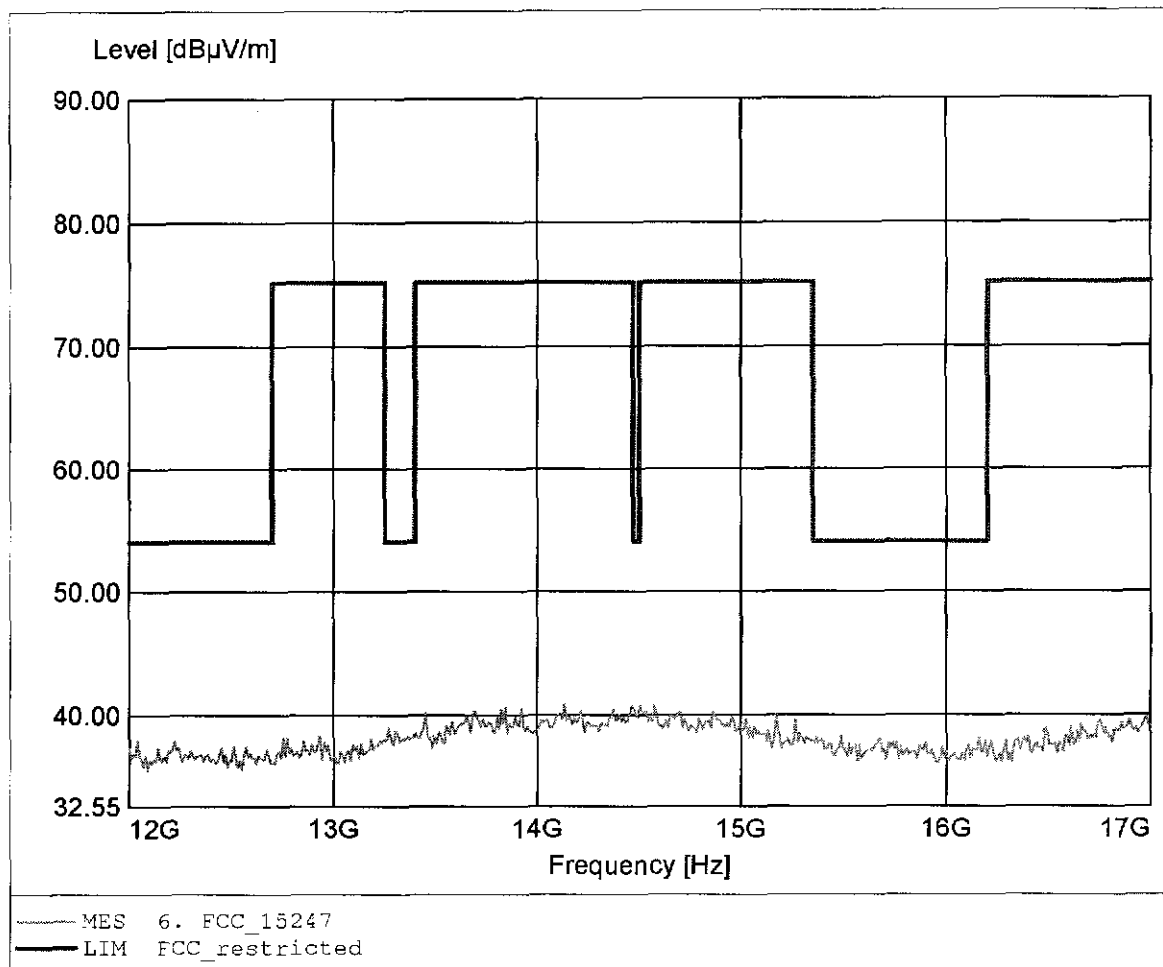
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.846GHz, Emax: 41.68dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

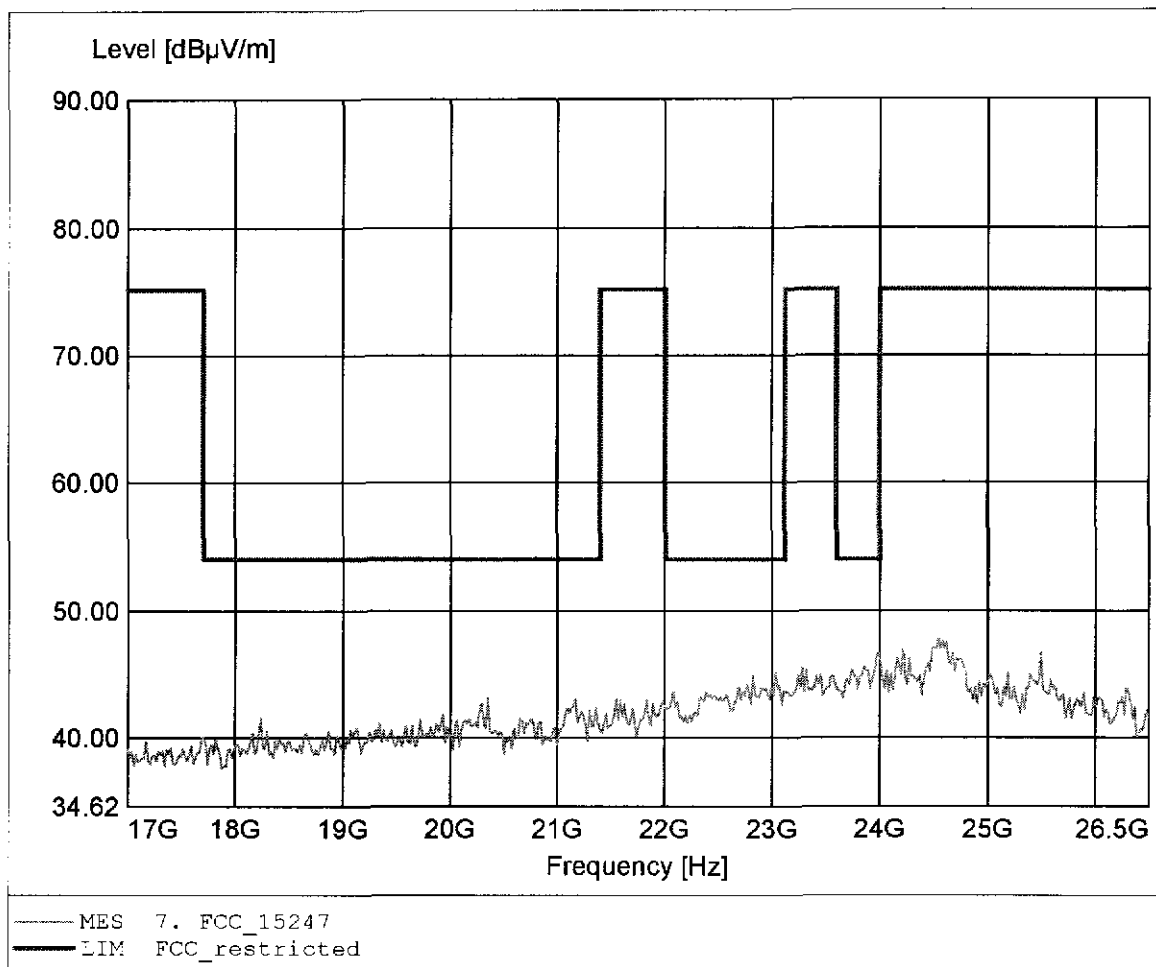
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.134GHz, Emax: 40.95dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

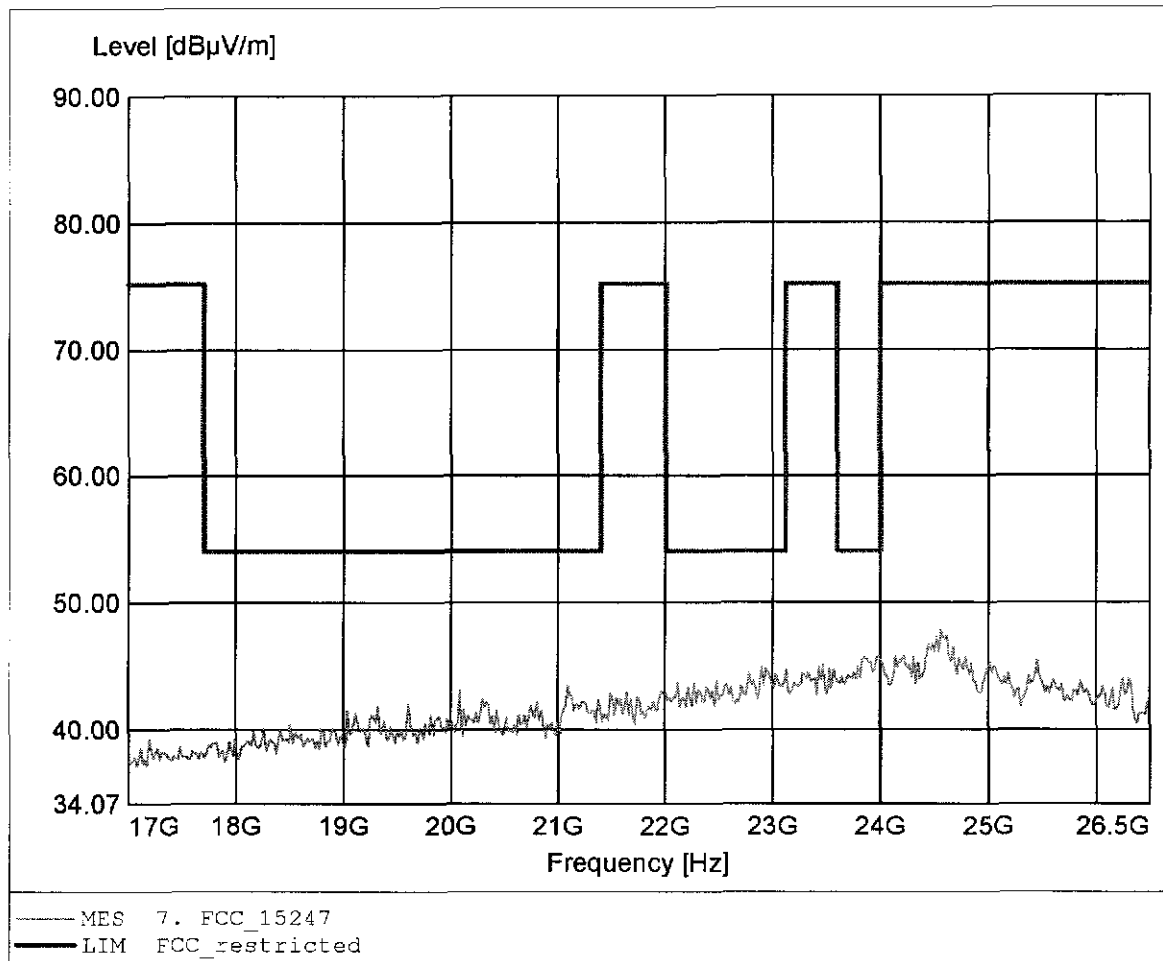
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.539GHz, Emax: 47.85dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

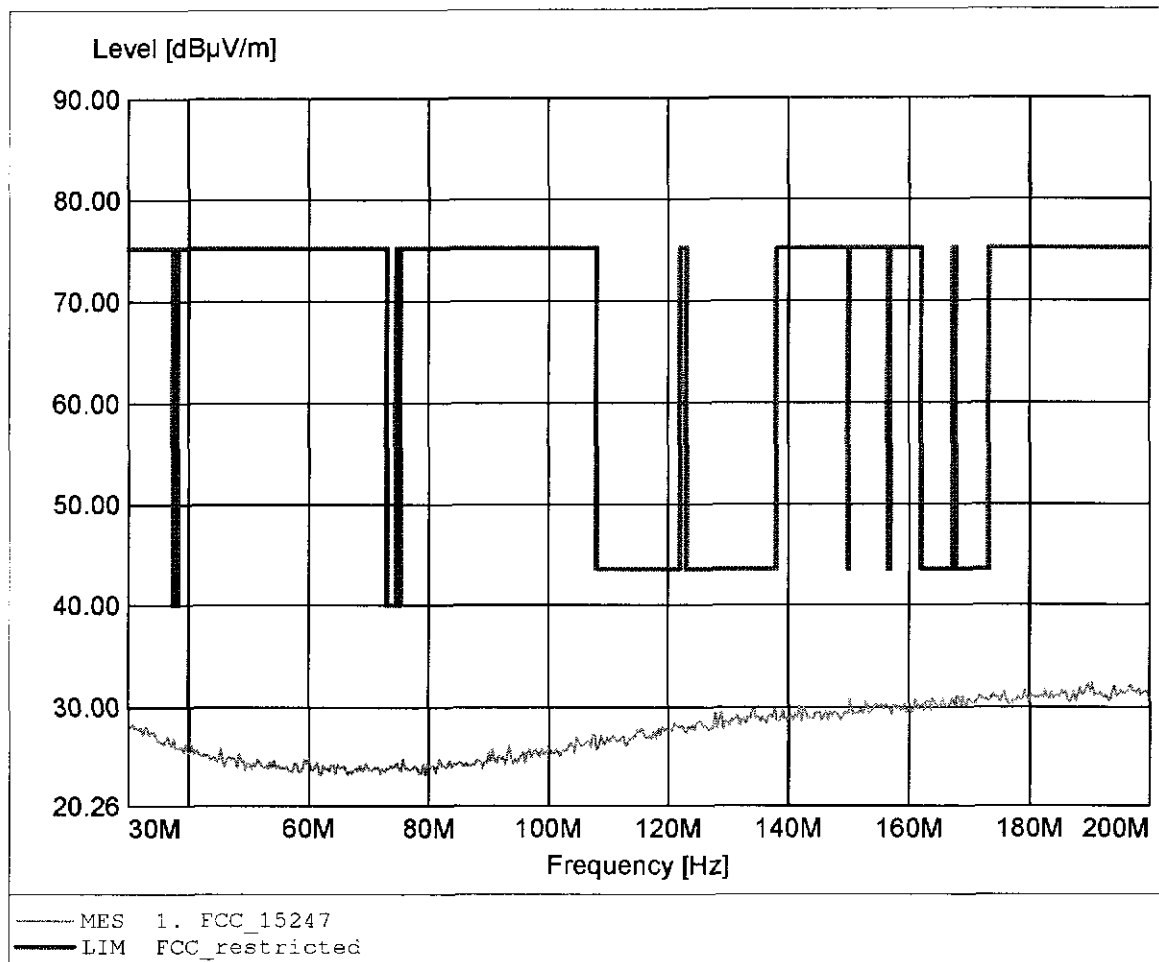
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.558GHz, Emax: 47.89dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

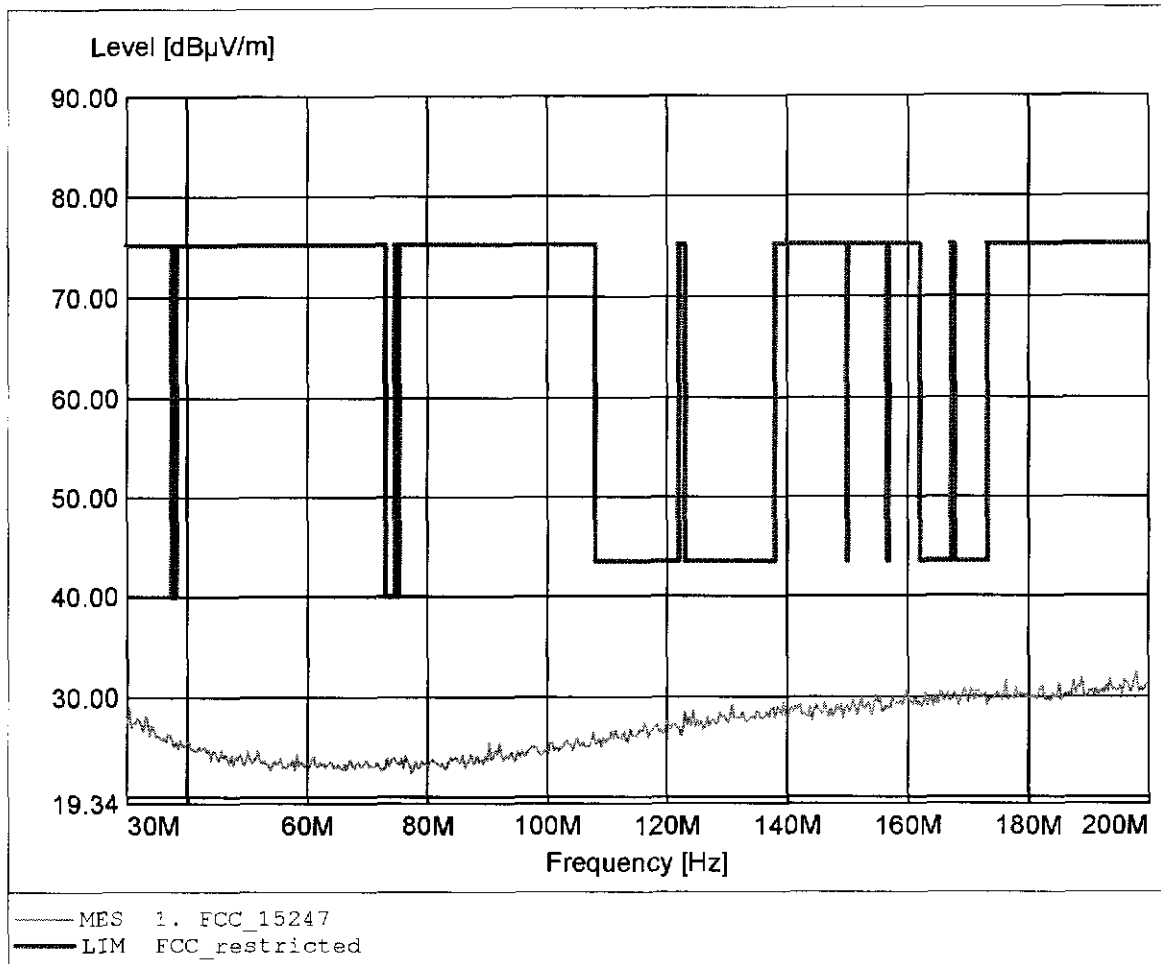
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 190.461MHz, Emax: 32.34dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

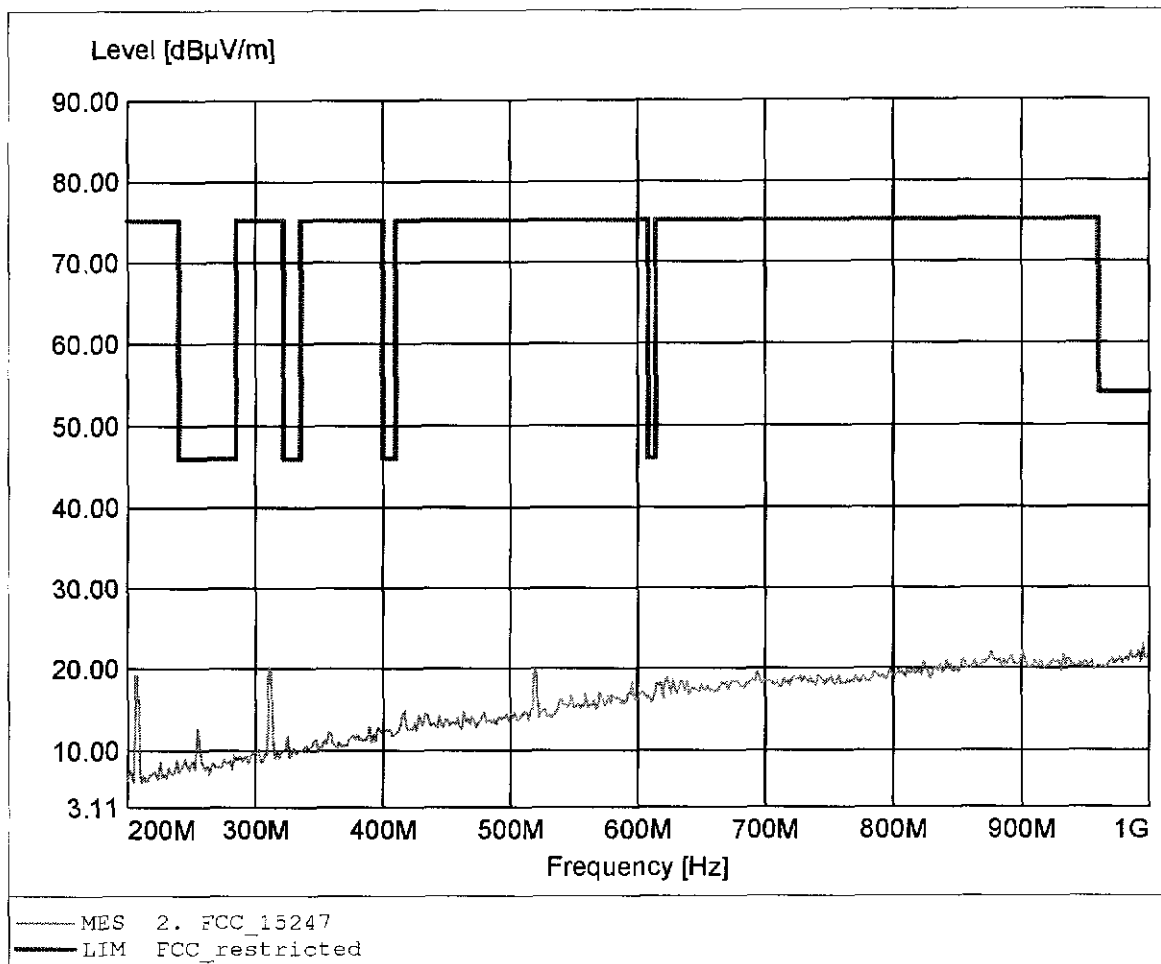
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.956MHz, Emax: 32.41dB μ V/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

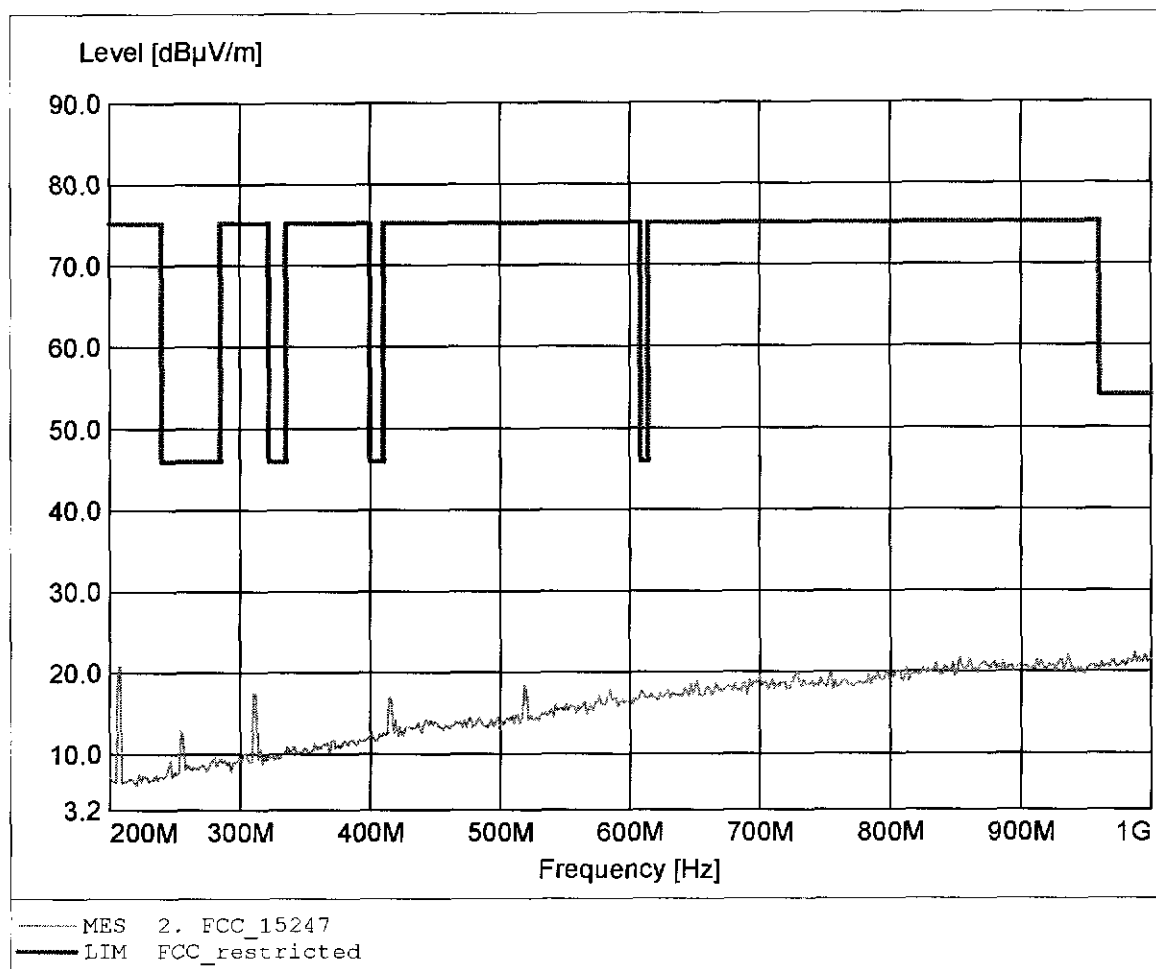
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 995.190MHz, Emax: 22.92dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

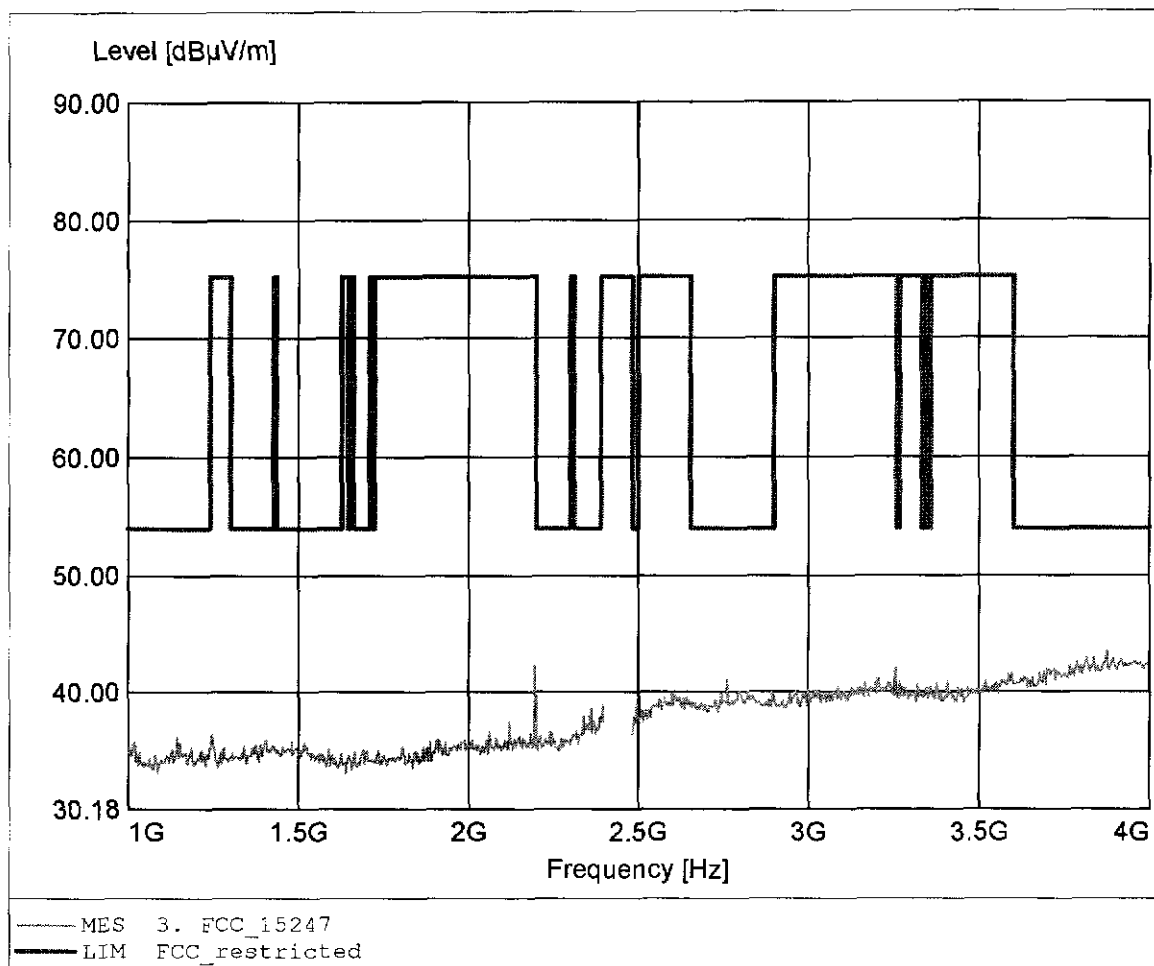
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 987.174MHz, Emax: 22.23dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

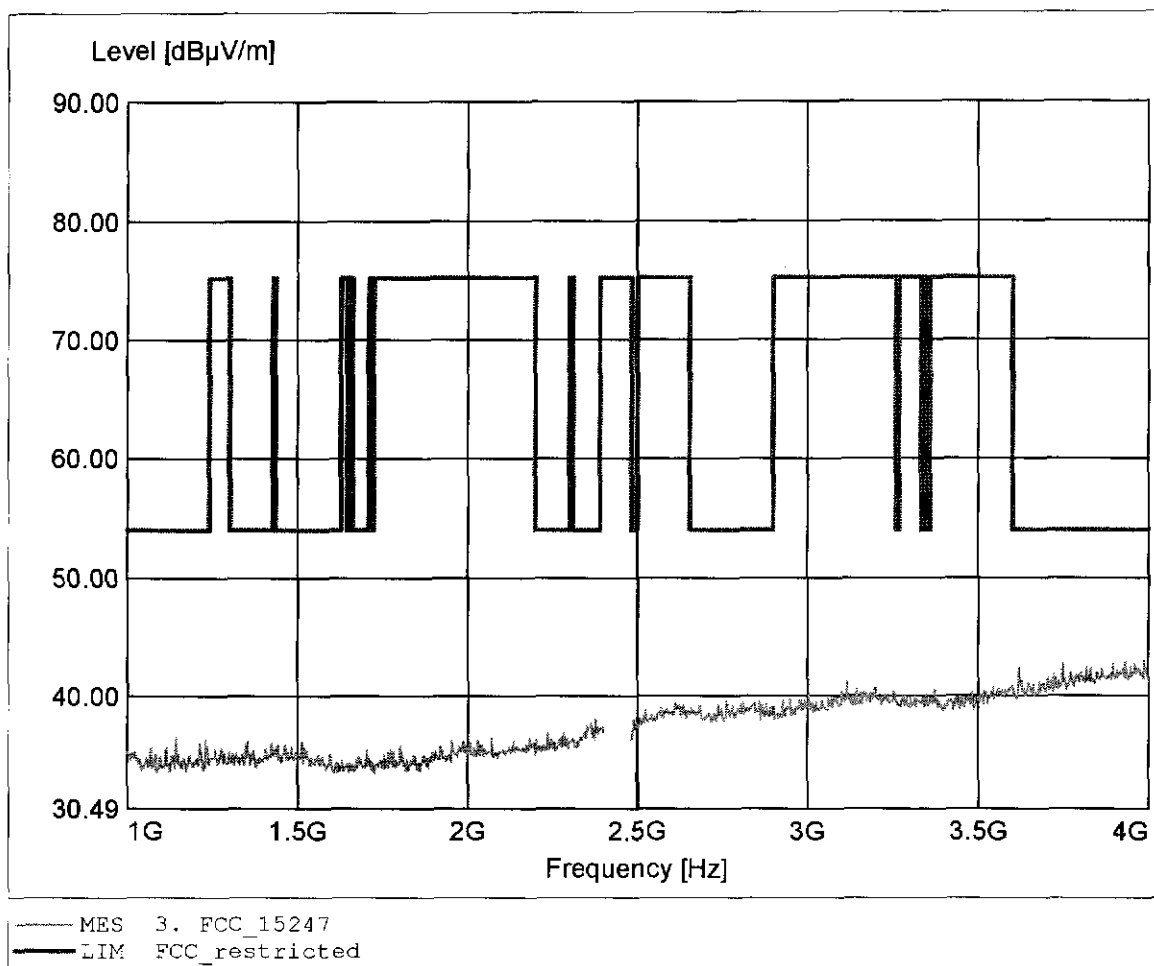
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.875GHz, Emax: 43.49dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

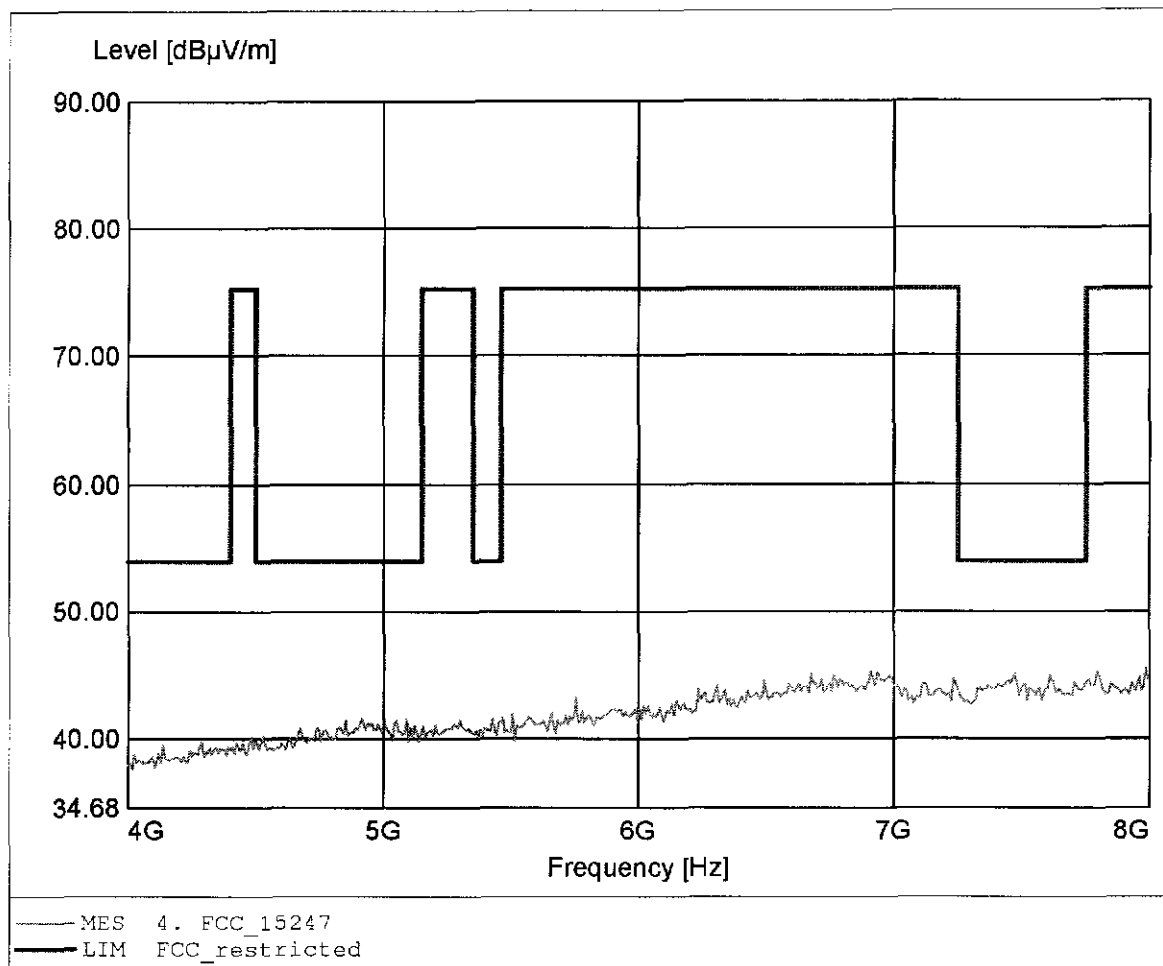
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.988GHz, Emax: 42.91dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

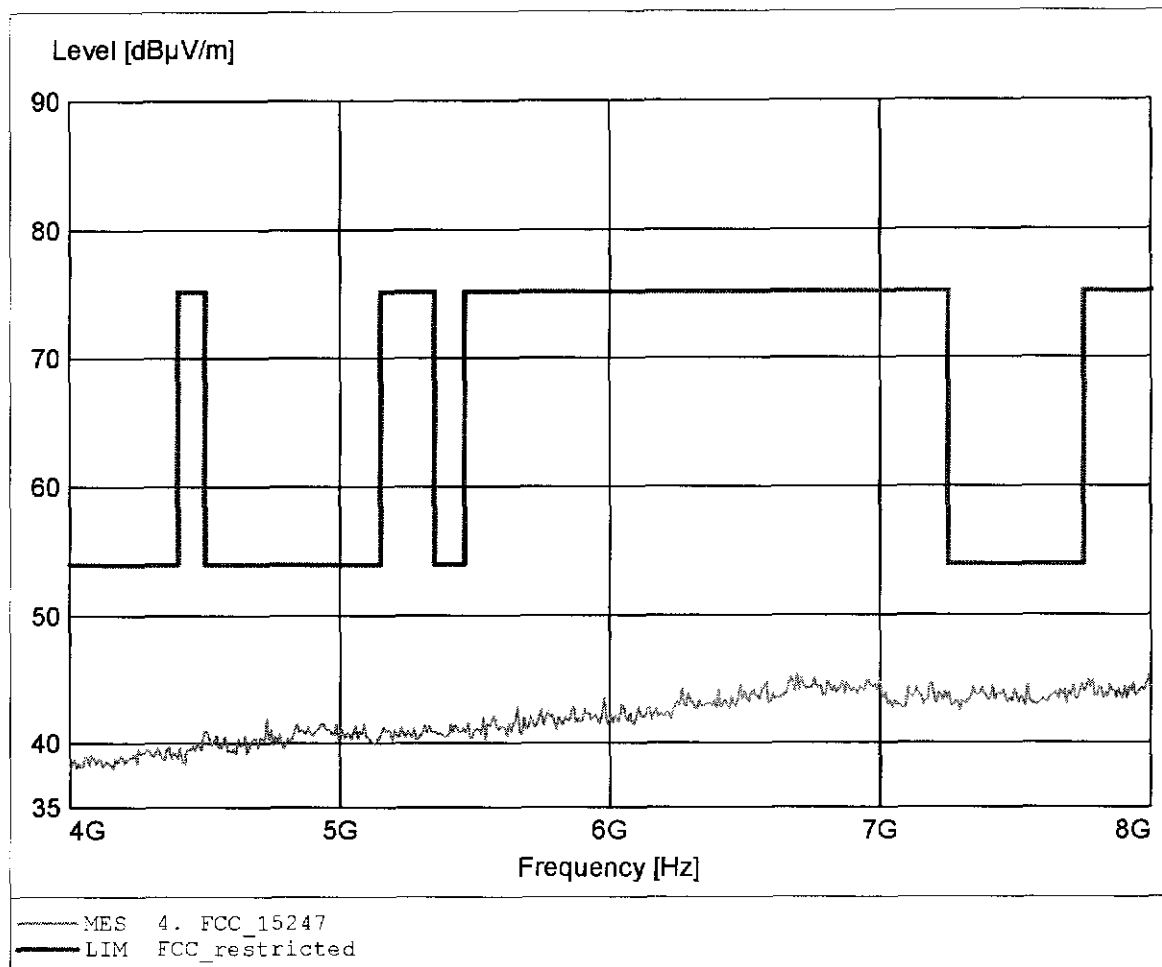
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.984GHz, Emax: 45.50dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

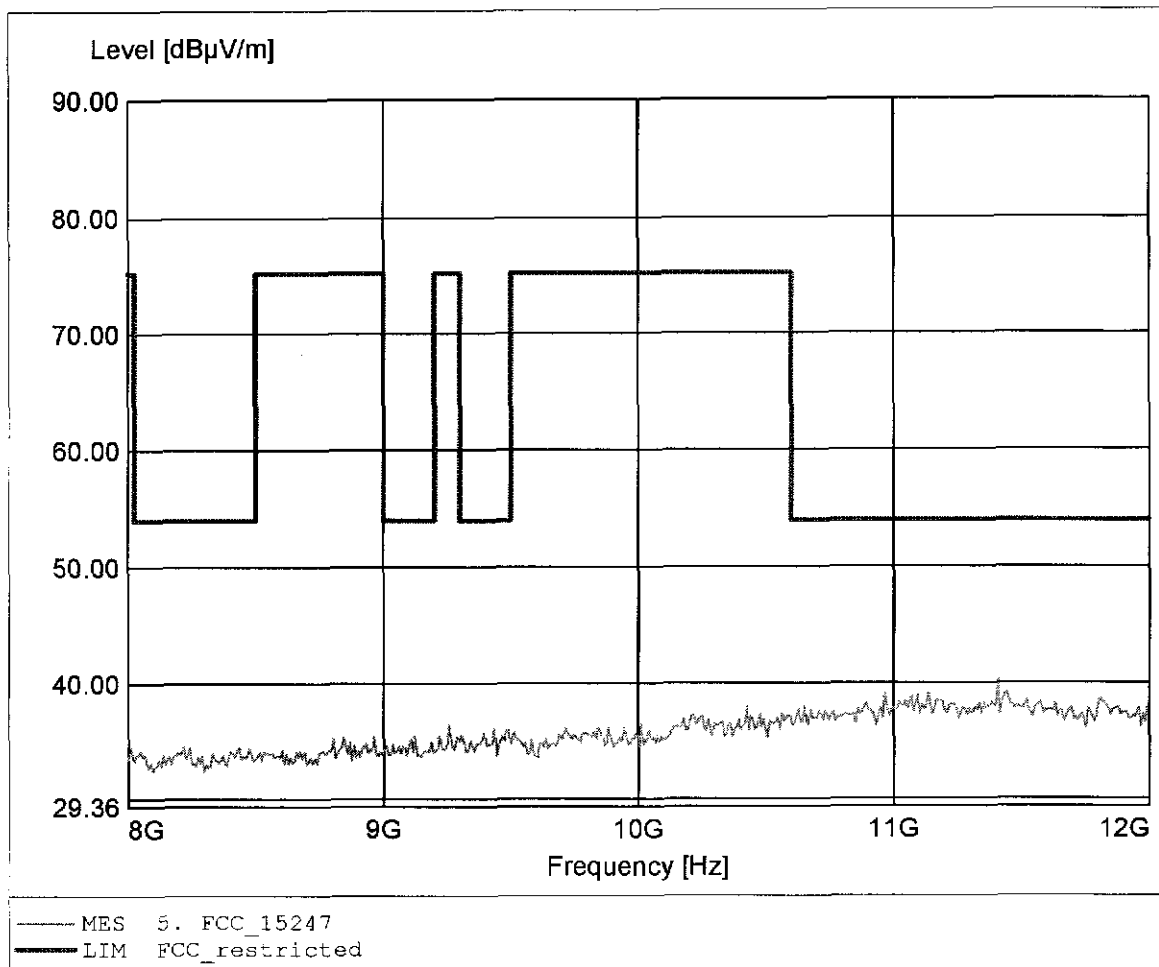
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.693GHz, Emax: 45.43dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

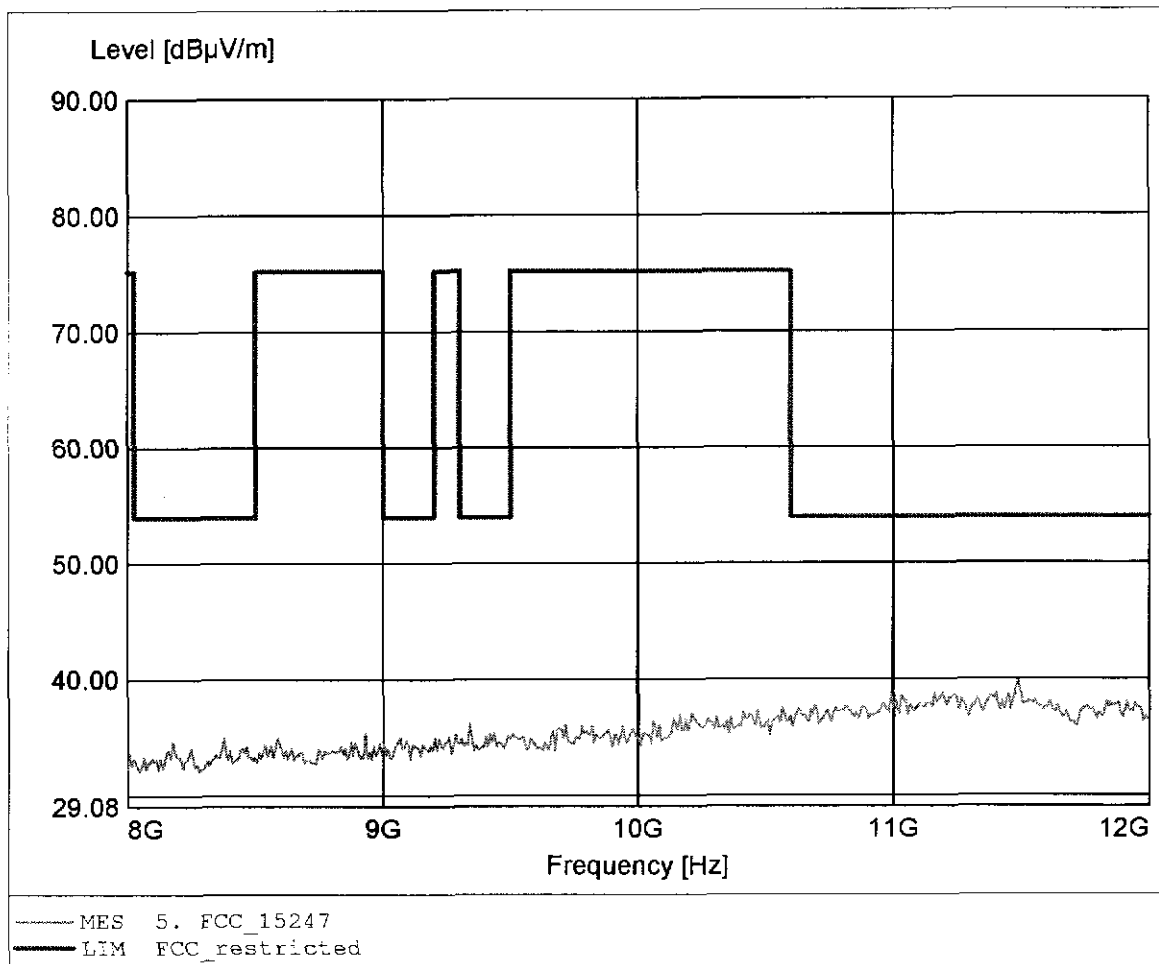
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.407GHz, Emax: 40.24dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

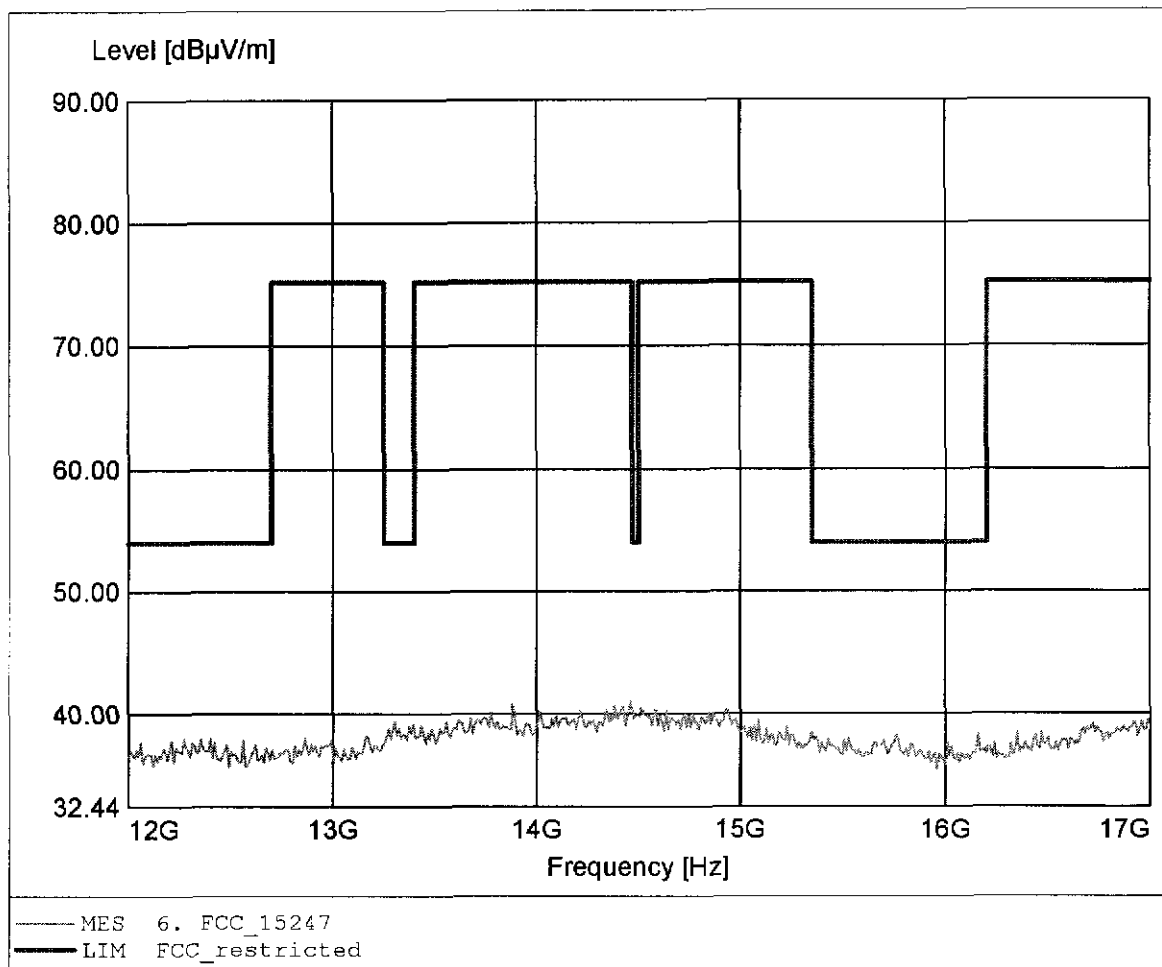
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.487GHz, Emax: 39.86dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

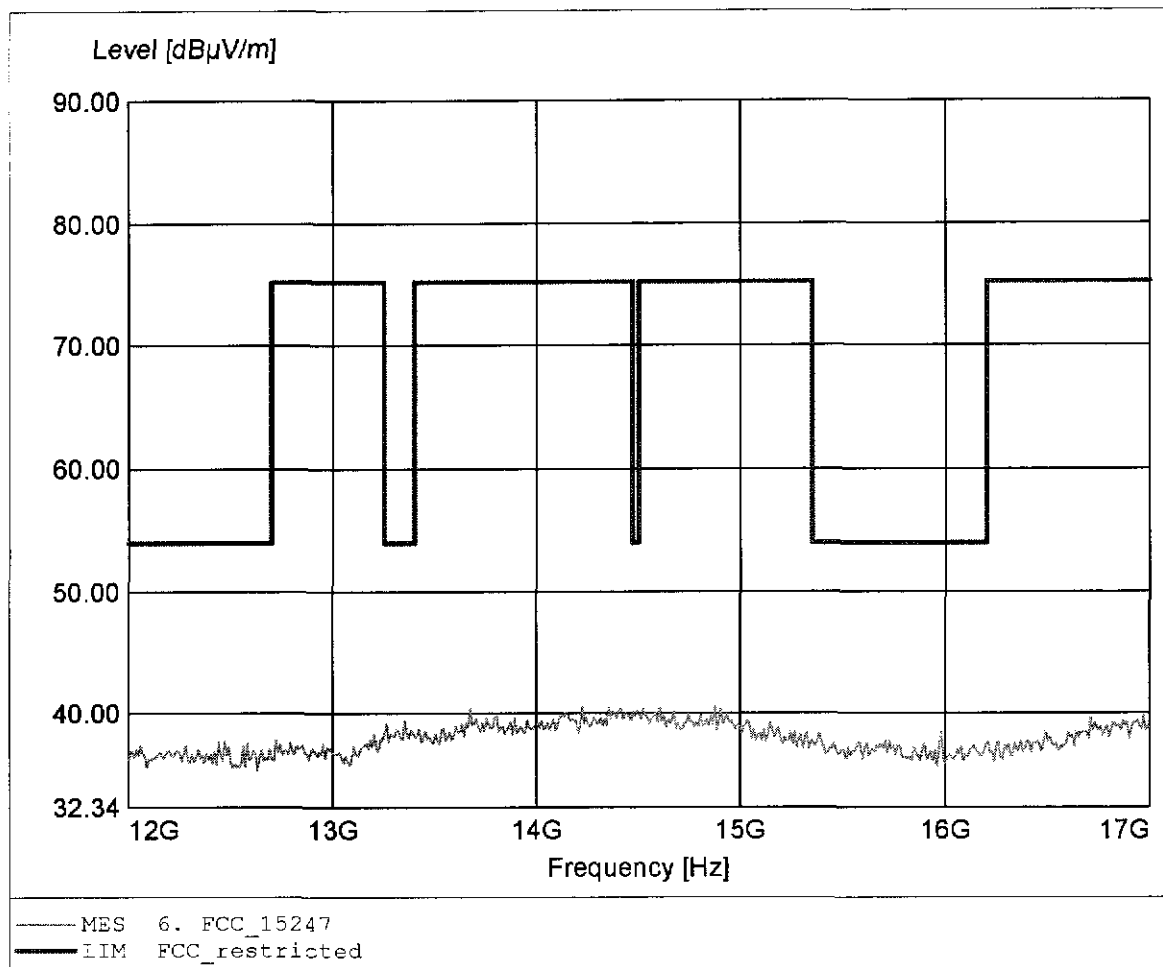
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.465GHz, Emax: 40.98dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

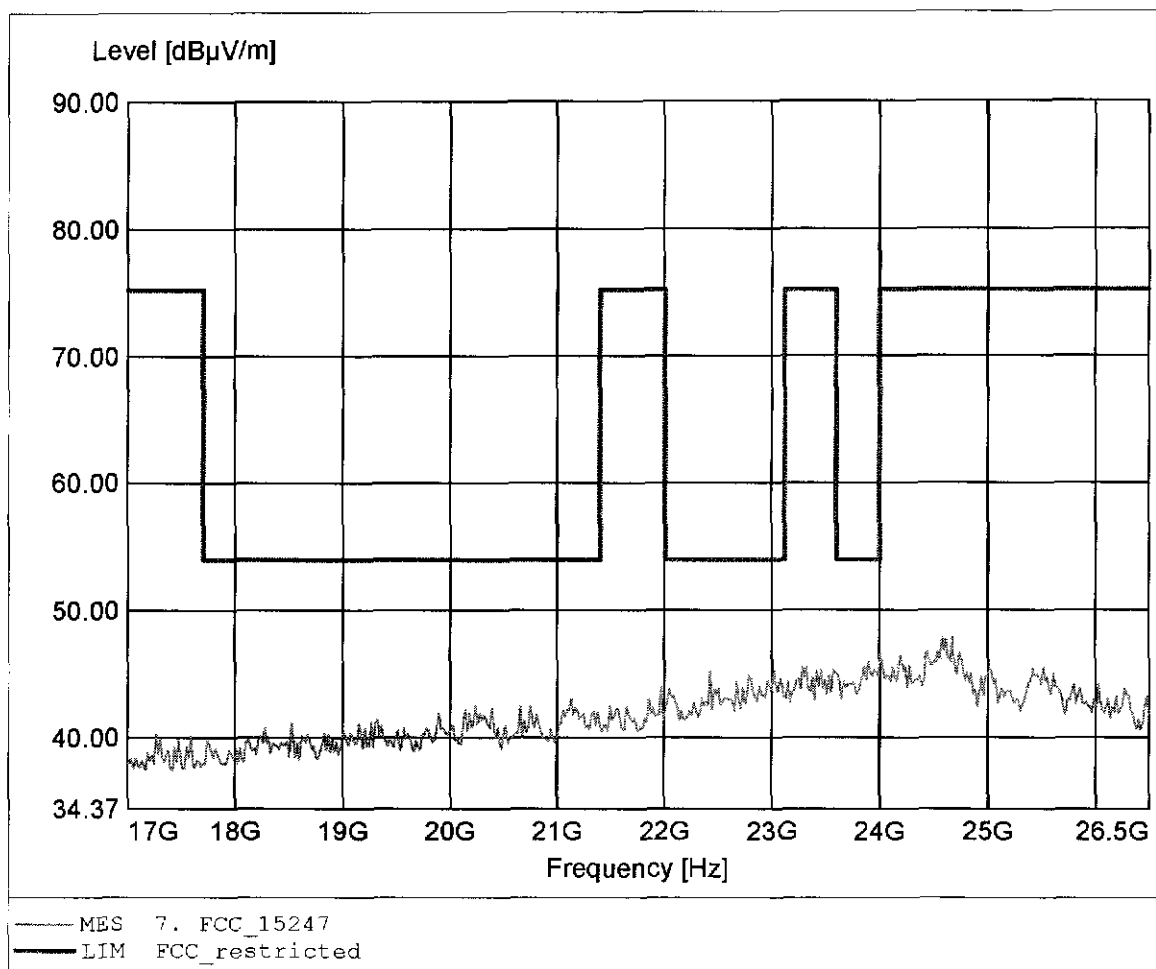
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.876GHz, Emax: 40.61dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

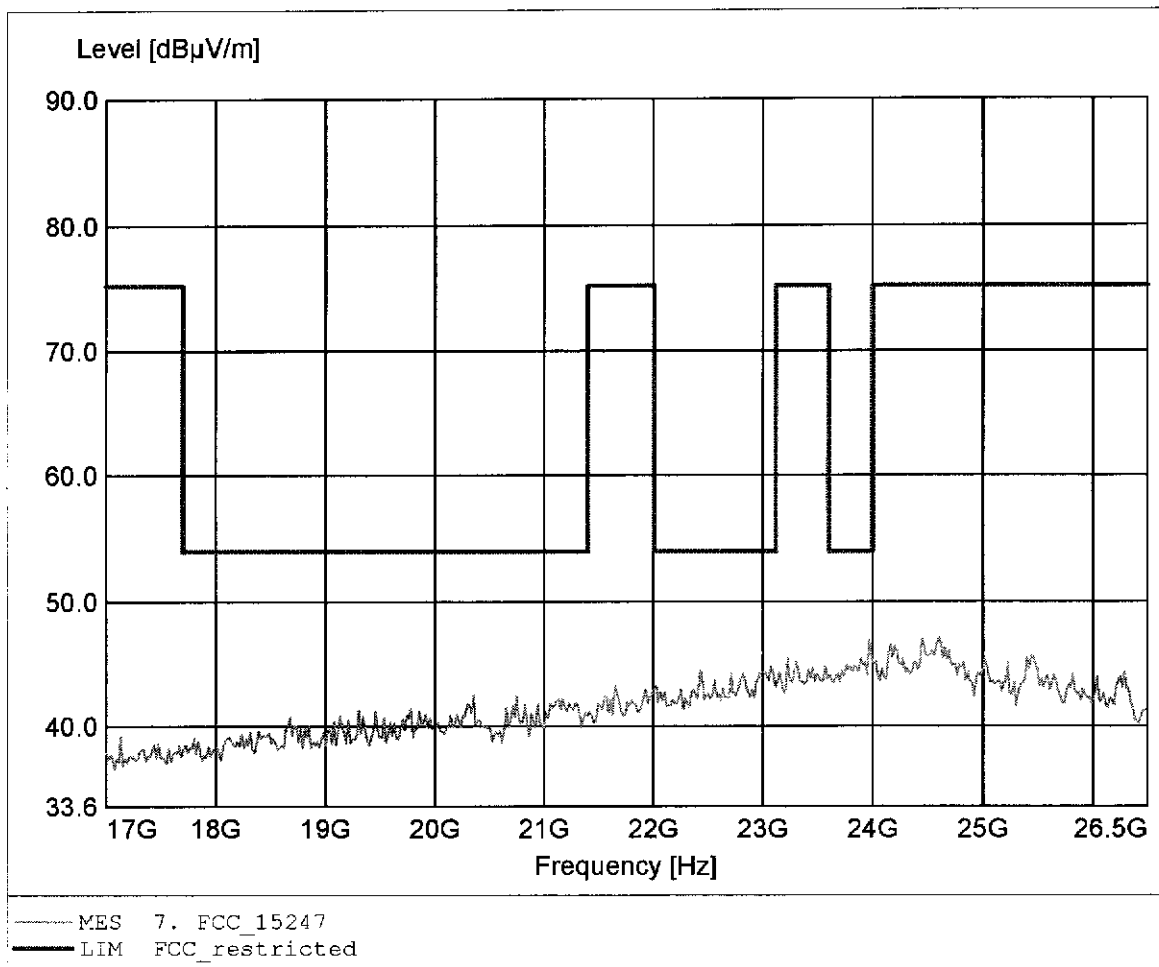
Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.577GHz, Emax: 47.88dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: Pantech Co., Ltd.
EUT: GSM Phone
Model: C510 / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 4.0 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.596GHz, Emax: 47.17dBμV/m, RBW: 1MHz

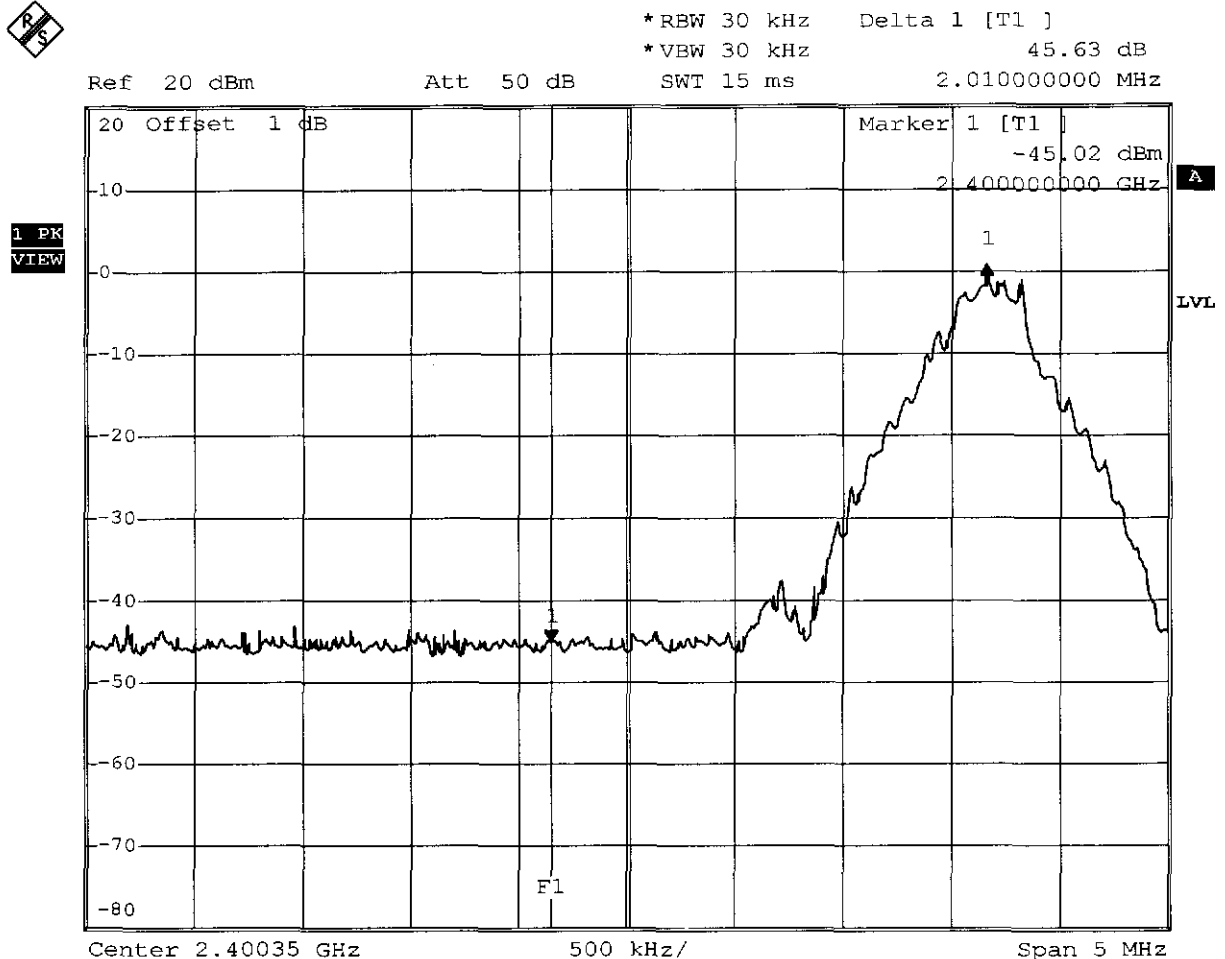


Appendix J

Band-edge compliance

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

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Single frequency mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 9.JAN.2007 09:45:26

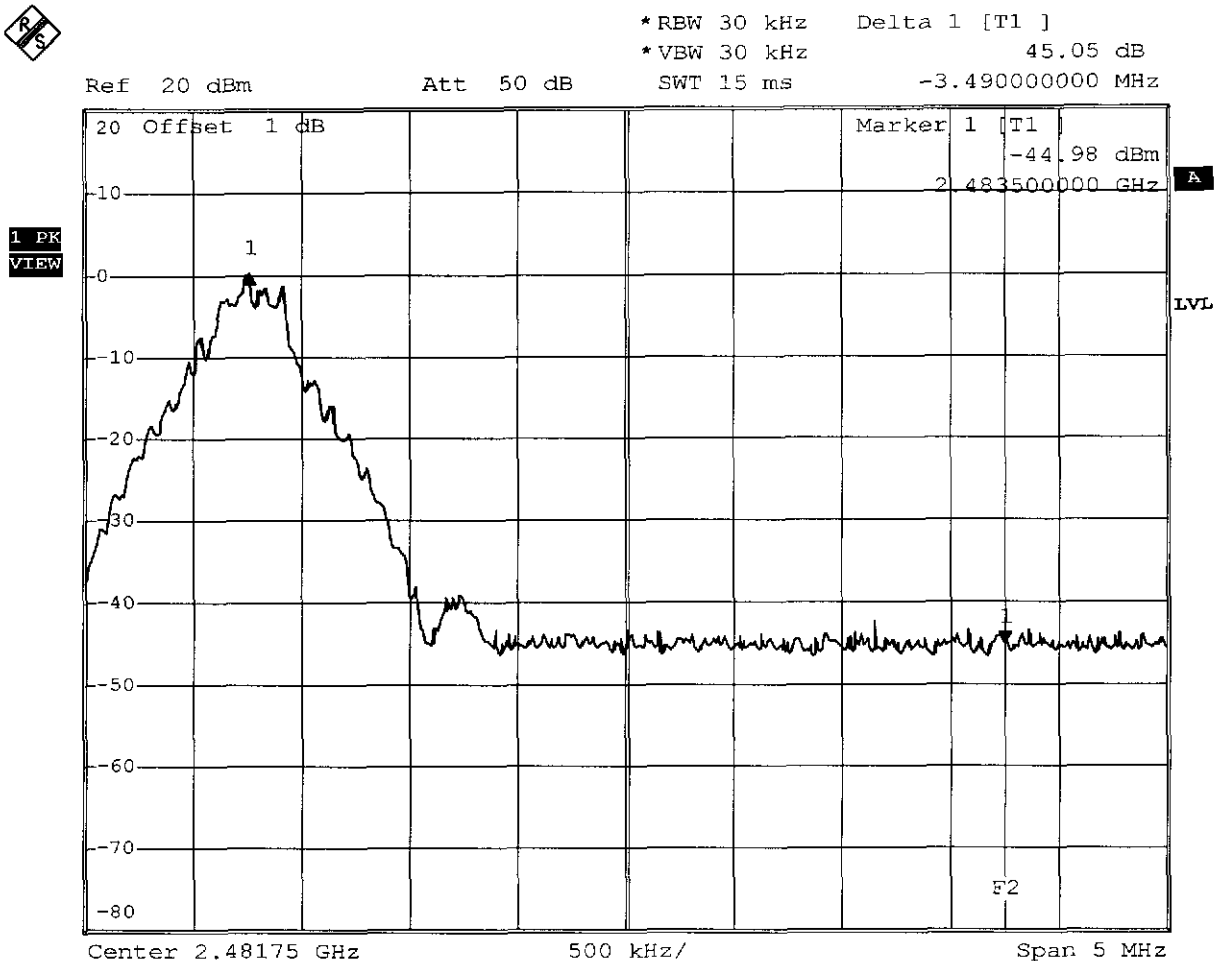
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Single frequency mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 9.JAN.2007 09:42:12

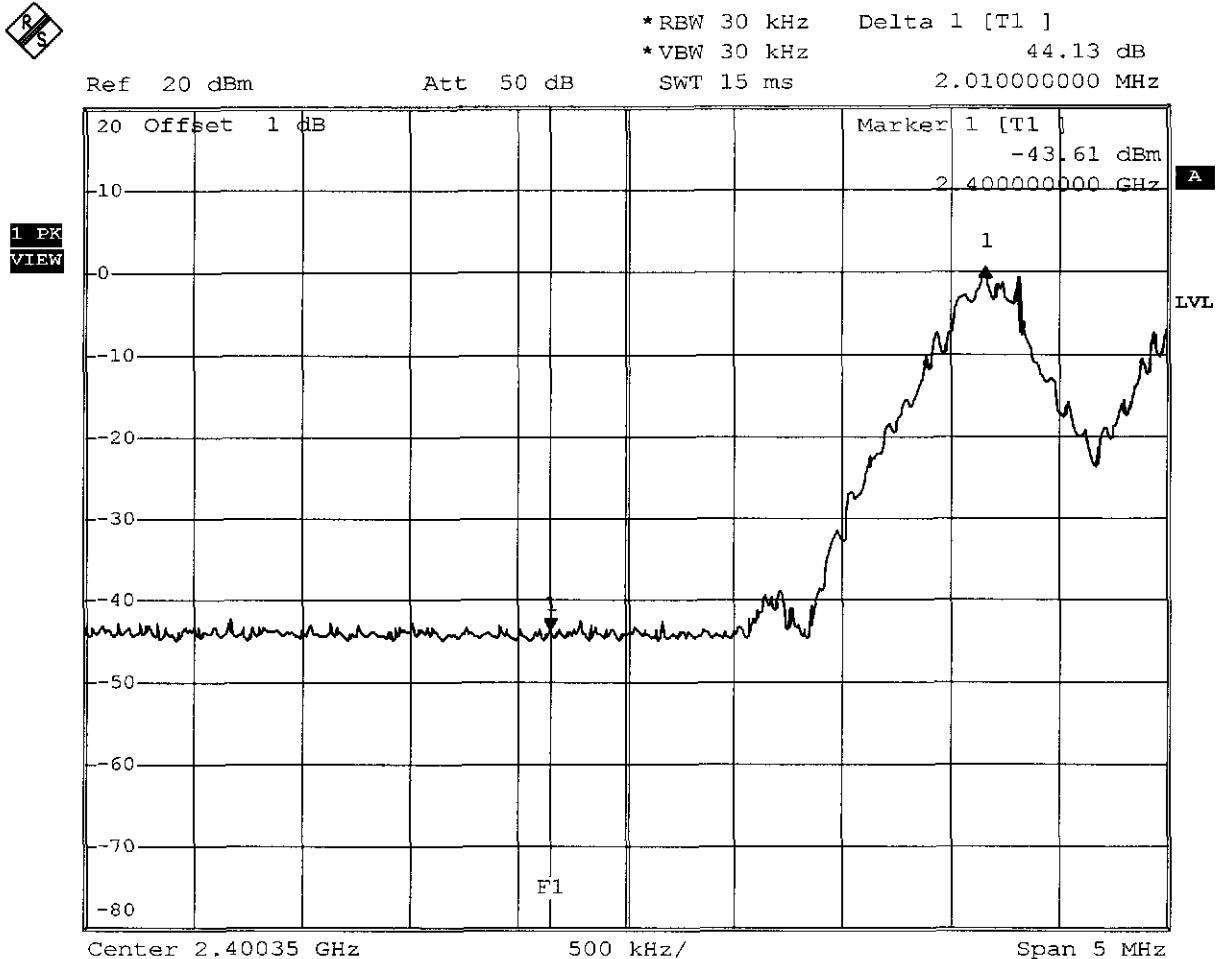
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

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

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Hopping mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS

Date: 9.JAN.2007 09:53:02

Measurement diagram

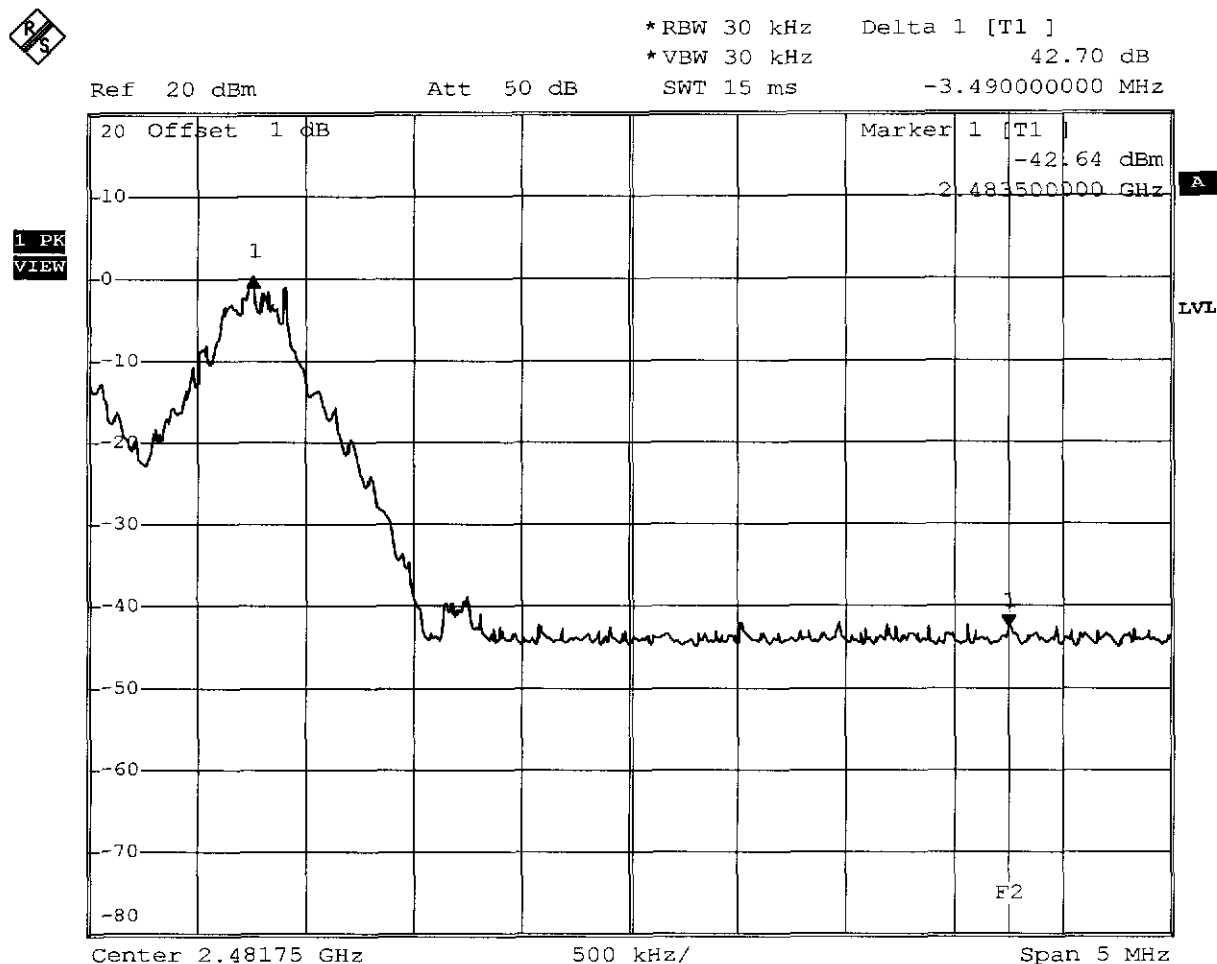
ETS Product Service AG

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

Page 1 of 1

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

EUT	GSM Phone
Model	C510
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Hopping mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 9.JAN.2007 09:59:01

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

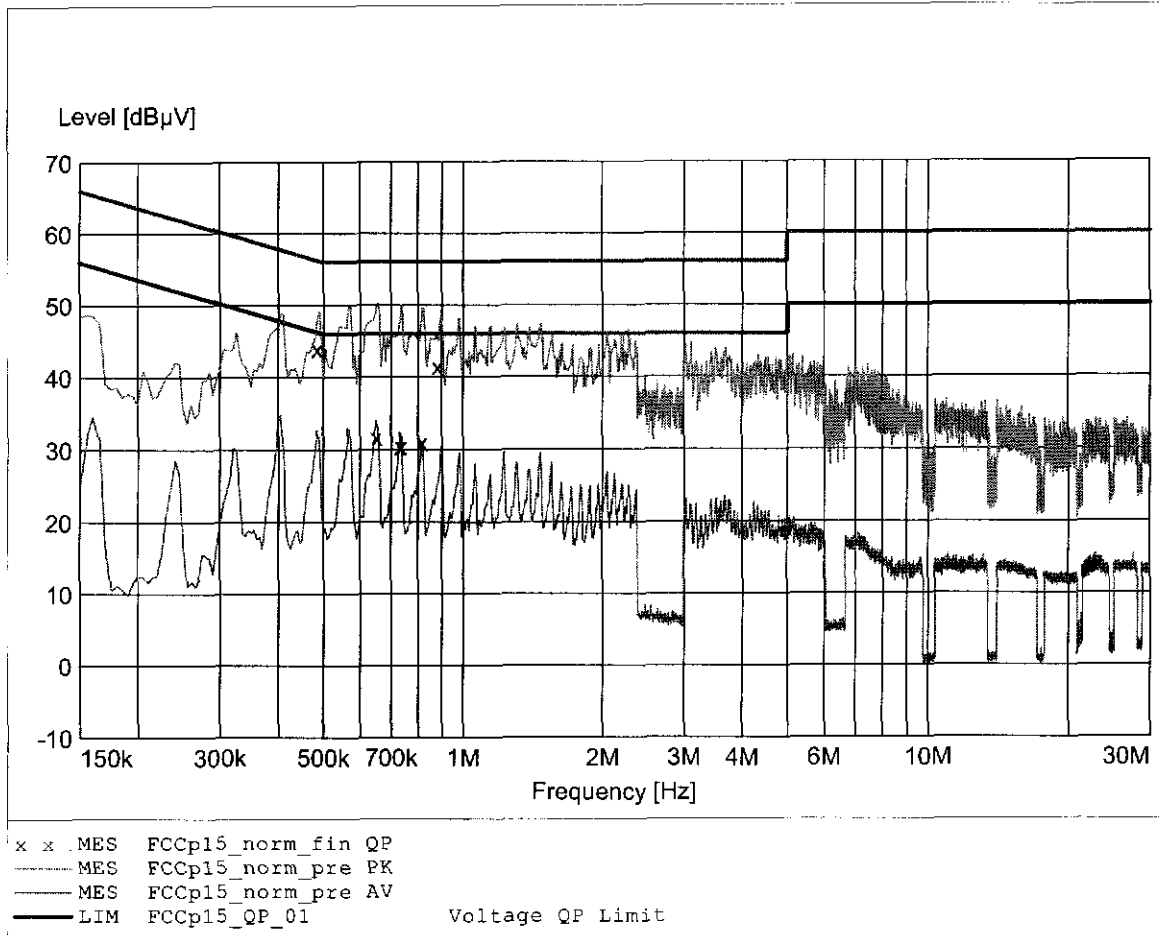
Page 1 of 1

Appendix K

AC power line conducted emissions

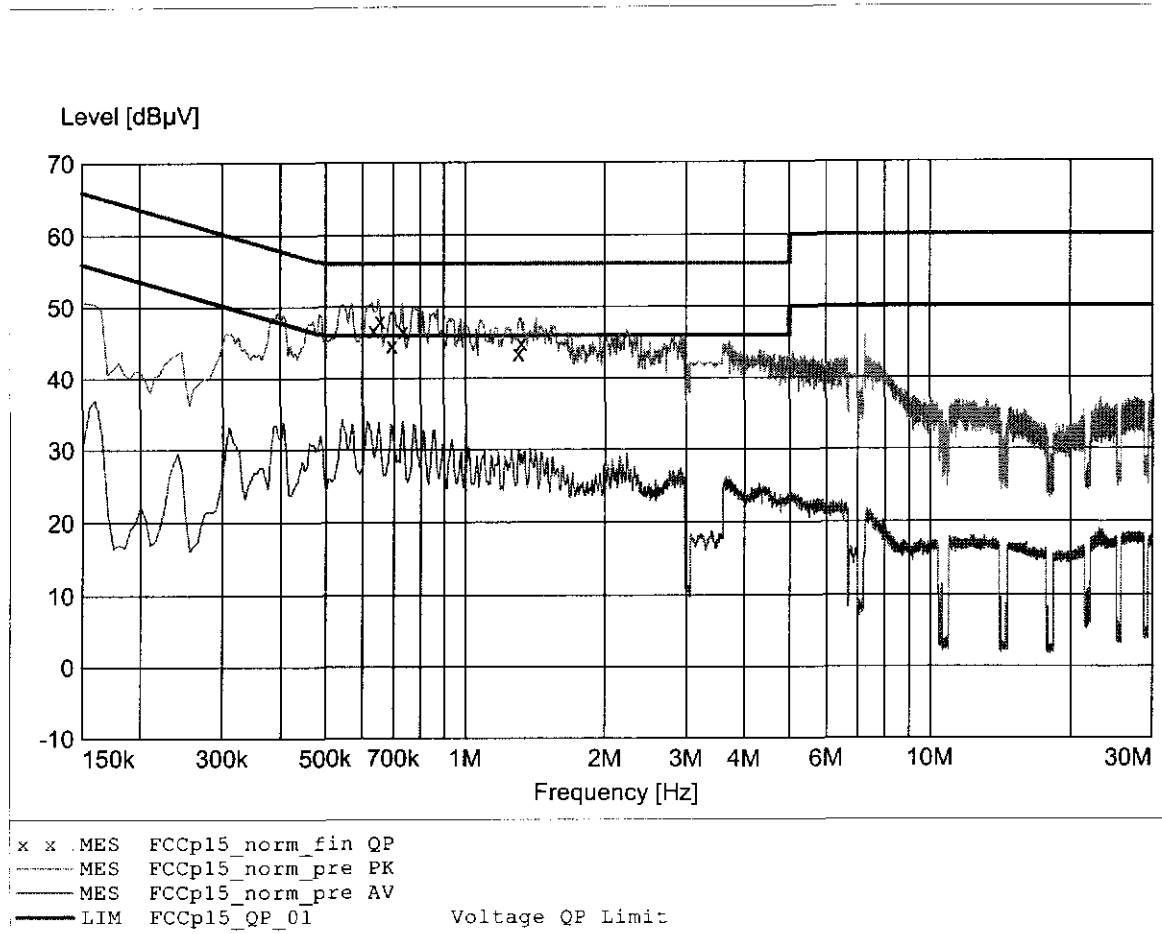
EMI voltage test in the ac-mains according to FCC part 15

EUT: QUAD BAND GSM850/900 (E-GSM)/DCS1800/PCS1900 (WITH WAP&GPRS)
Manufacturer: PANTECH CO., LTD.
Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR), Thom: 23°C
Test Site: ETS
Operator: Mr. Schlaps
Test Specification: V-Network: ESH2-Z5 (N)
Comment: model: C510 mode: CHARGING AND GSM LINK
ADAPTOR: PTA-5070C9EU



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

EUT: QUAD BAND GSM850/900 (E-GSM)/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: C510 mode: CHARGING AND GSM LINK
ADAPTOR: PTA-5070C9EU



Appendix L

Receiver radiated emissions