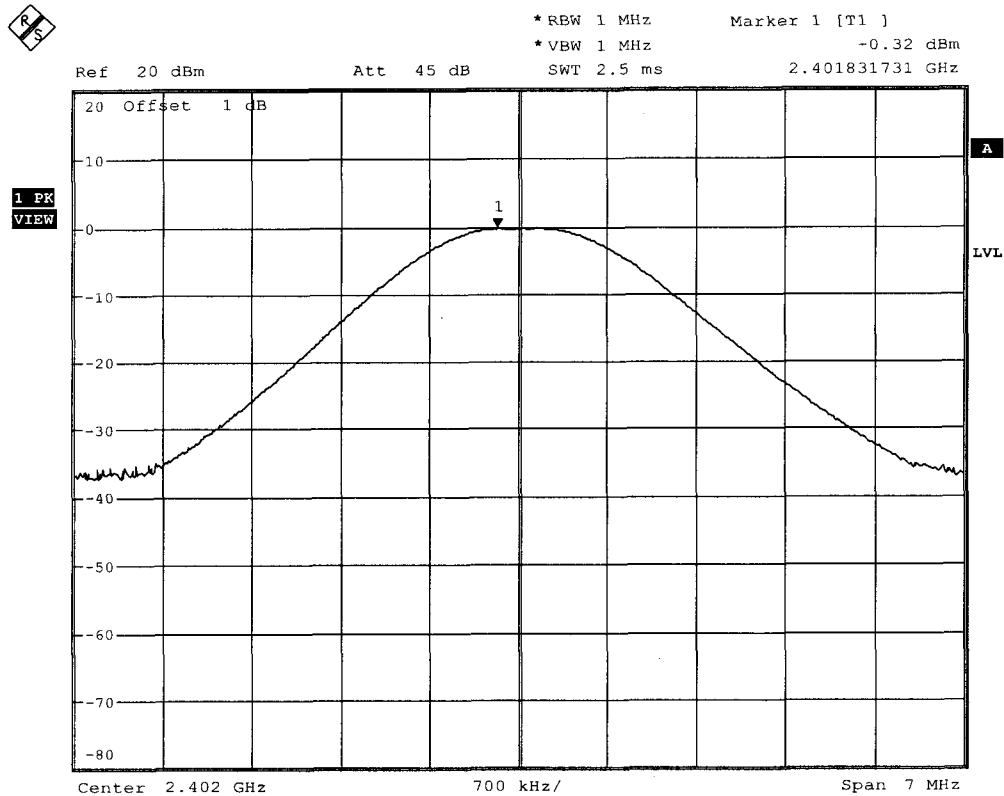


Appendix B

RF power output conducted

FCC part 15.247**Peak output power conducted**

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Output power=-0.32 dBm; verdict: PASS

Date: 21.NOV.2007 09:18:51

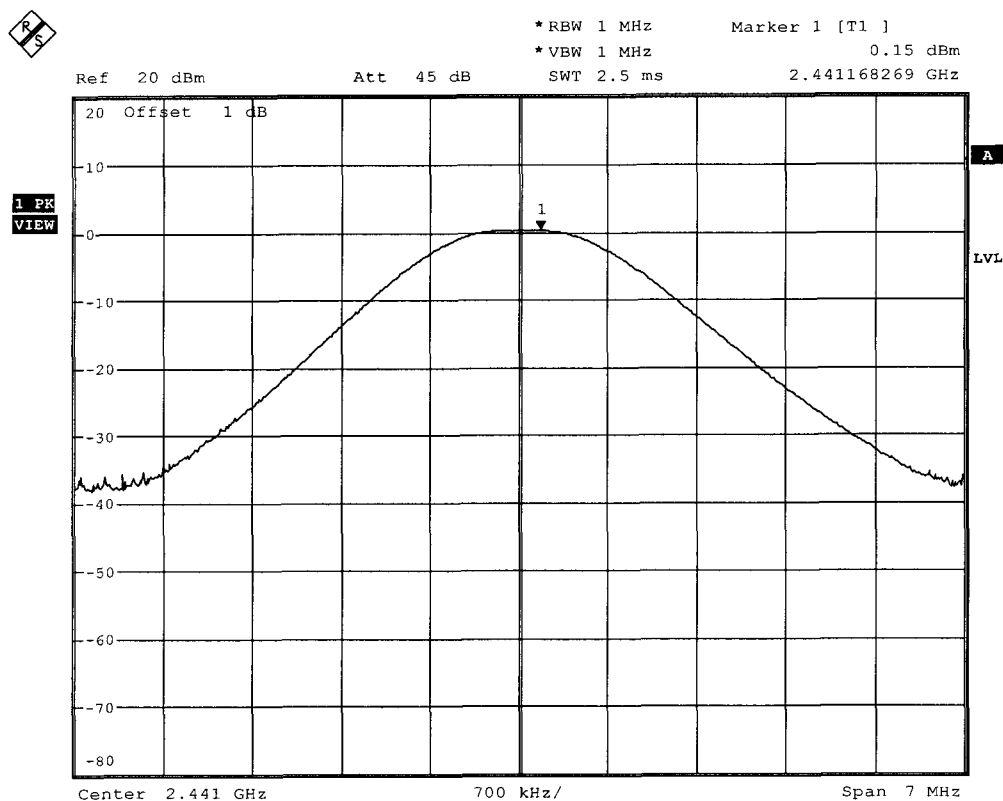
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Output power=0.15 dBm; verdict: PASS
Date: 21.NOV.2007 09:20:04

Measurement diagram

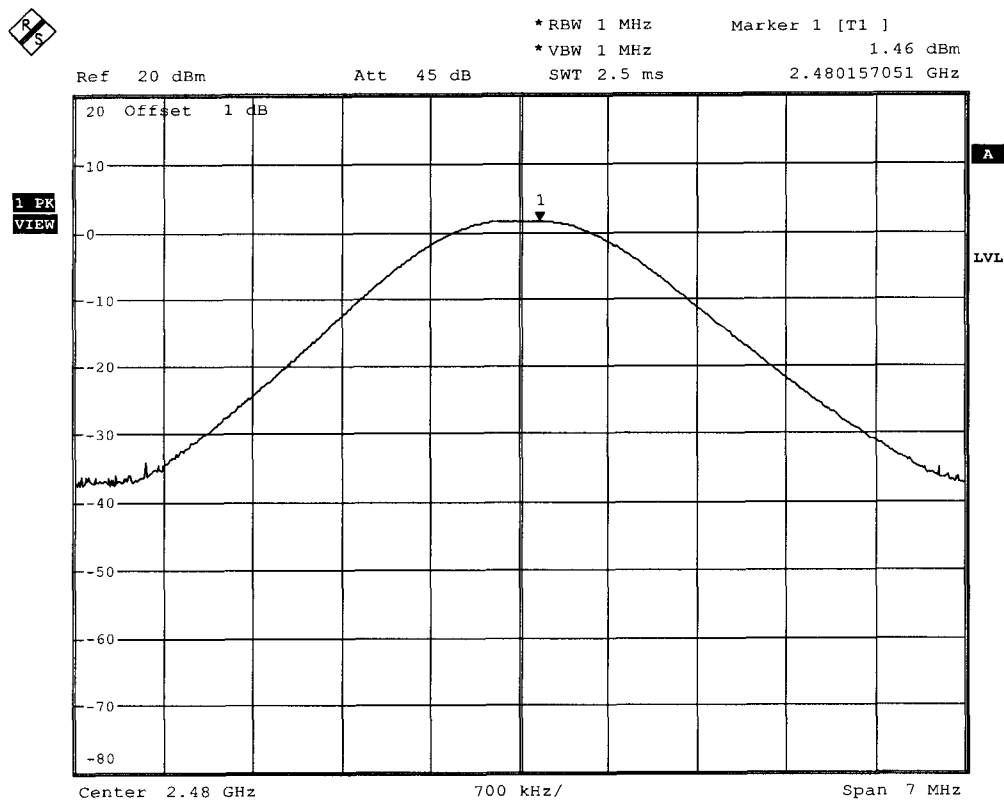
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Output power=1.46 dBm; verdict: PASS

Date: 21.NOV.2007 09:25:53

Measurement diagram

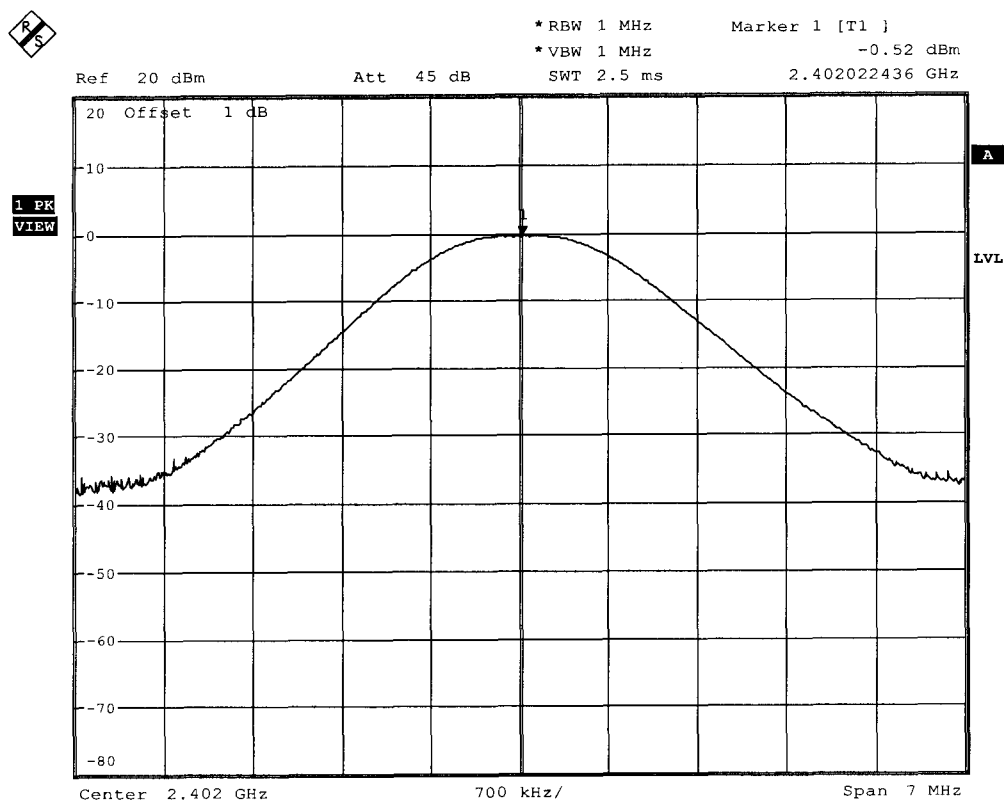
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Output power=-0.52 dBm; verdict: PASS

Date: 21.NOV.2007 11:51:21

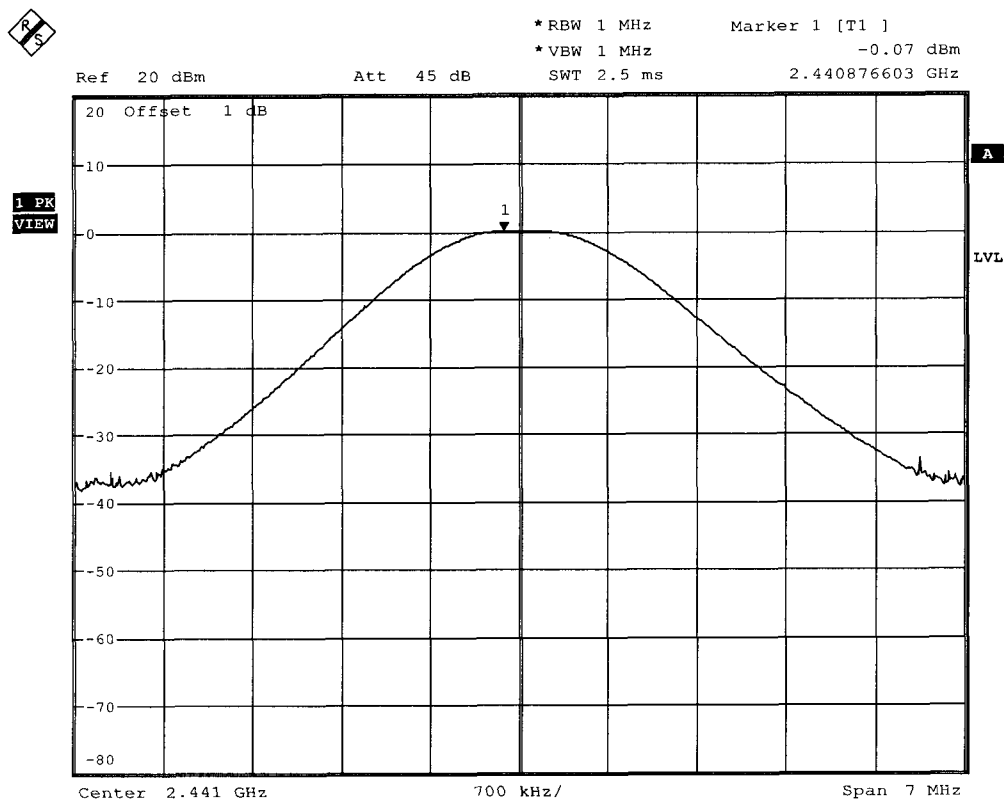
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Output power=-0.07 dBm; verdict: PASS
Date: 21.NOV.2007 11:55:46

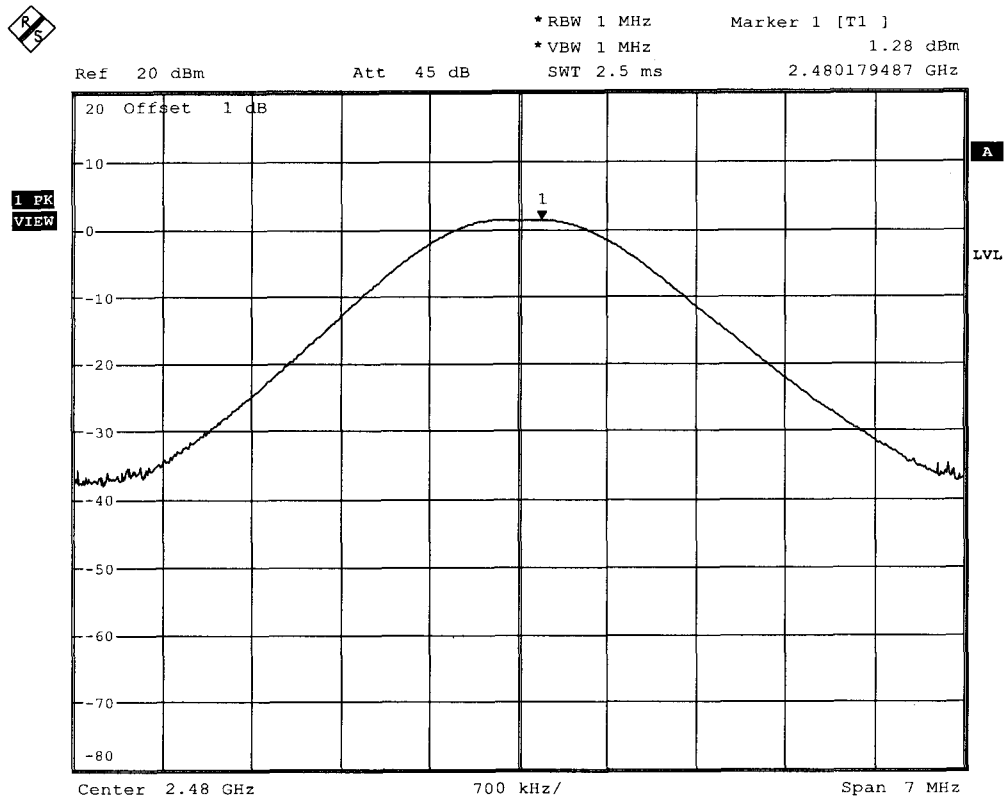
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Output power=1.28 dBm; verdict: PASS
Date: 21.NOV.2007 11:57:31

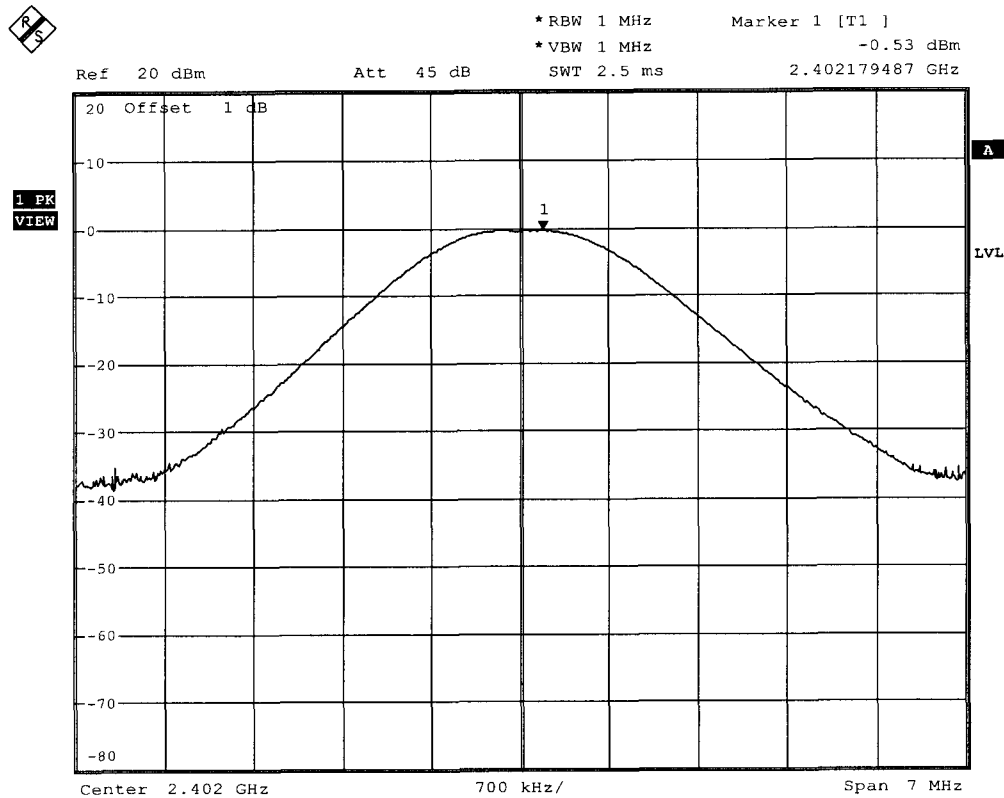
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Output power=-0.53 dBm; verdict: PASS
Date: 21.NOV.2007 11:52:31

Measurement diagram

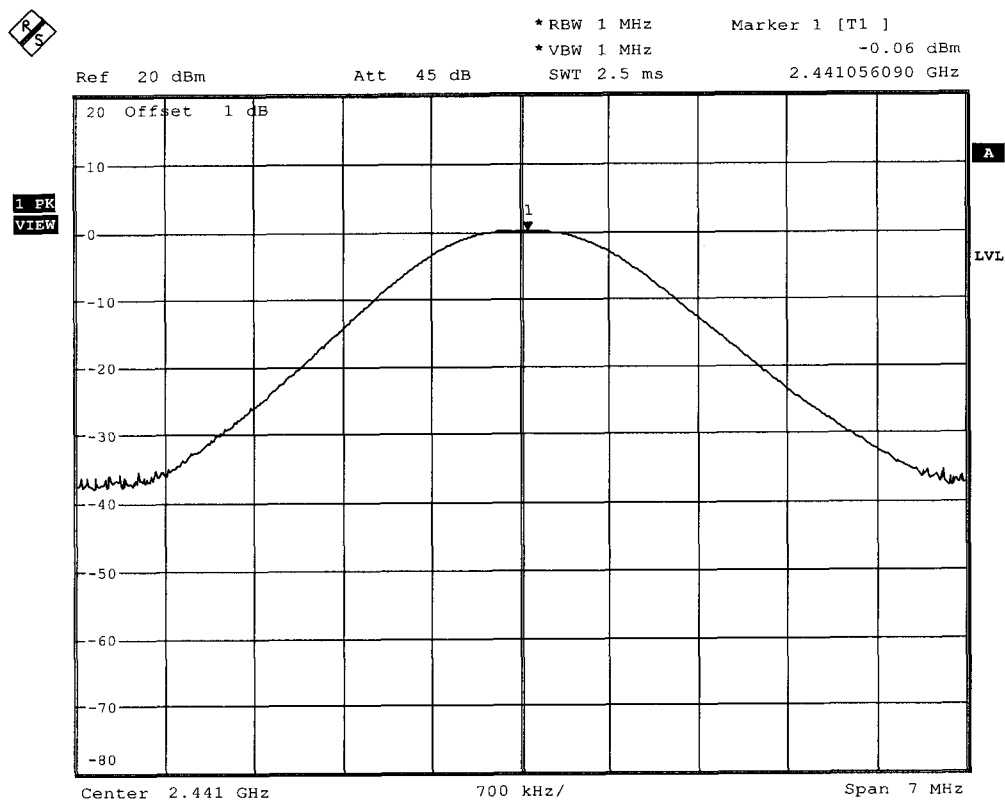
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Output power=-0.06 dBm; verdict: PASS

Date: 21.NOV.2007 11:54:38

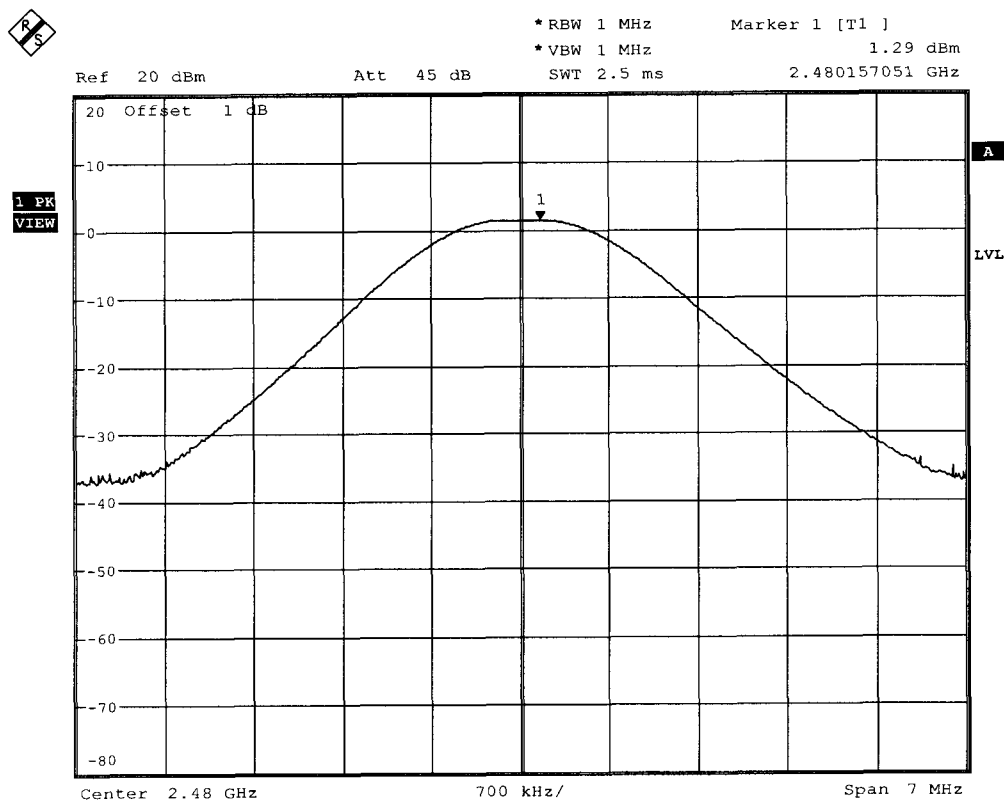
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Output power=1.29 dBm; verdict: PASS
Date: 21.NOV.2007 11:58:39

Measurement diagram

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

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Appendix C

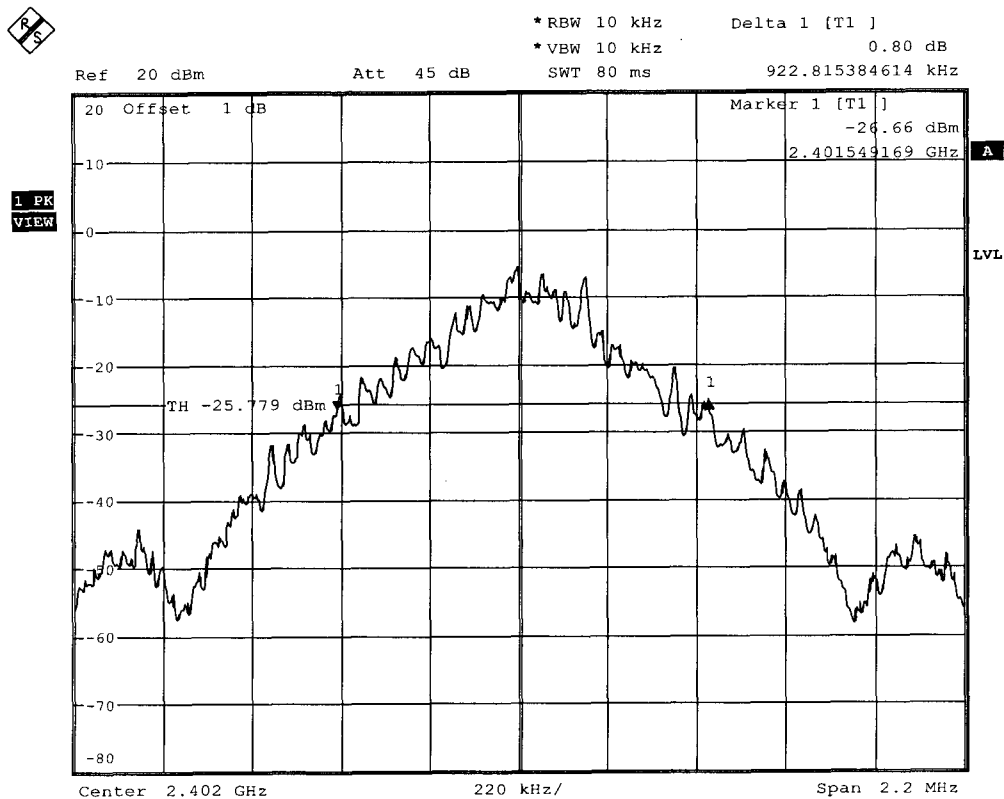
RF power output radiated (EIRP)

Appendix D

20 dB bandwidth

FCC part 15.247
20 dB bandwidth

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



20 dB bandwidth: 922.8 KHz
Date: 21.NOV.2007 09:47:35

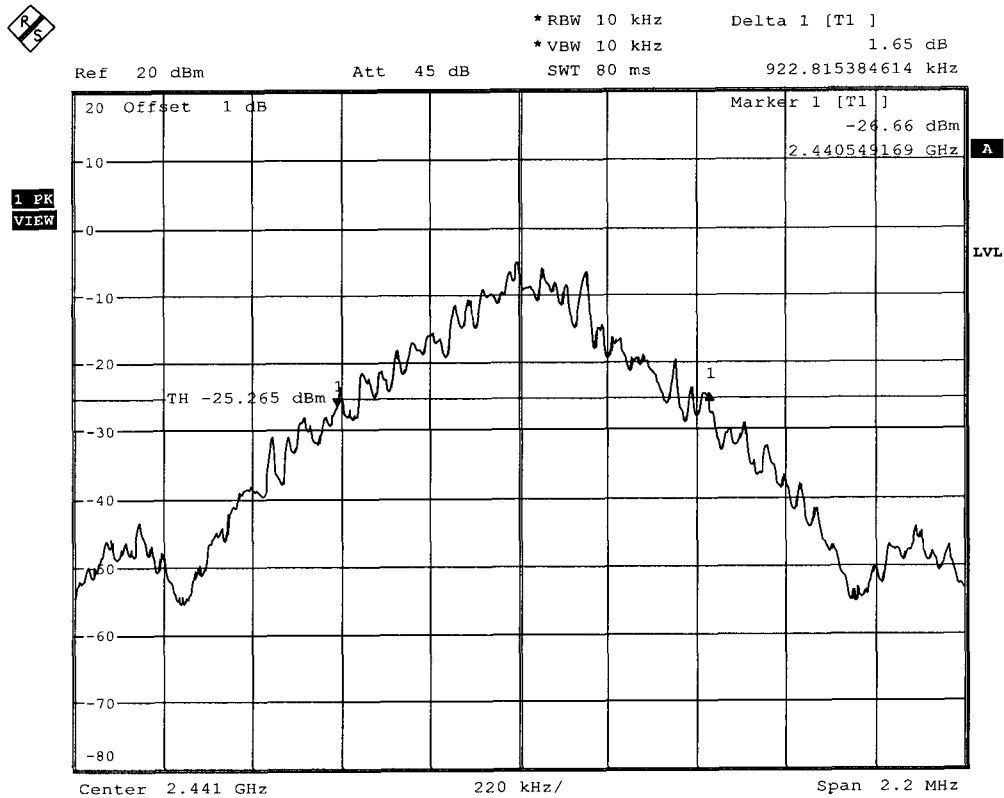
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



20 dB bandwidth: 922.8 KHz
Date: 21.NOV.2007 09:51:46

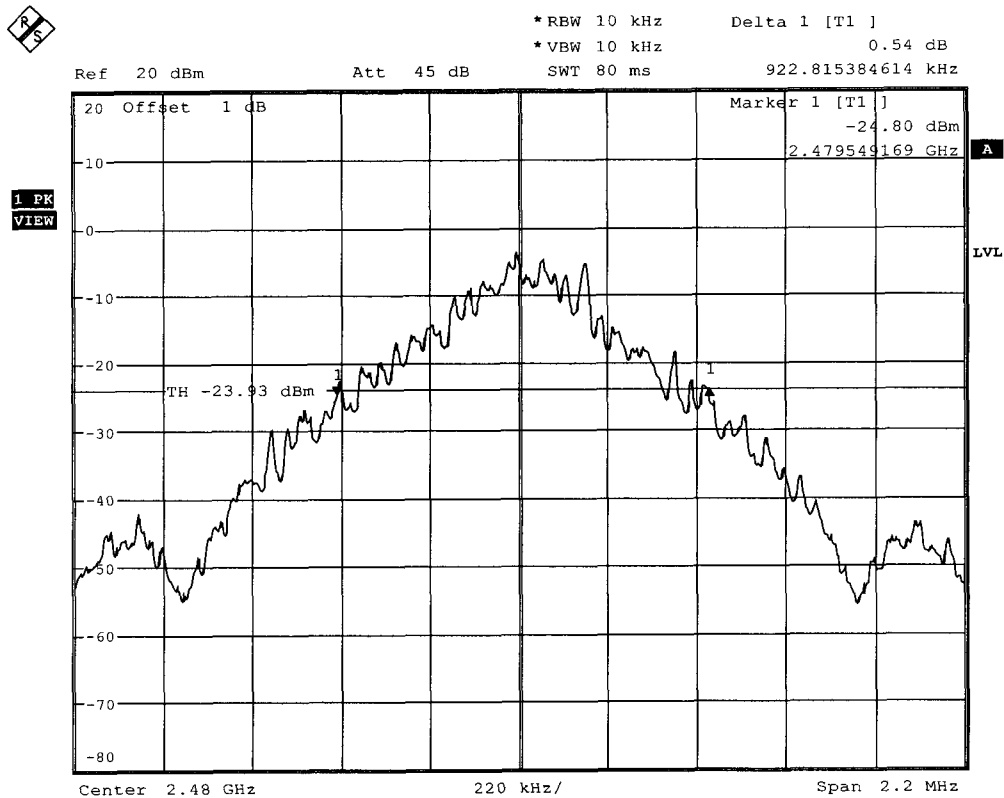
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



20 dB bandwidth: 922.8 KHz
Date: 21.NOV.2007 09:55:35

Measurement diagram

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

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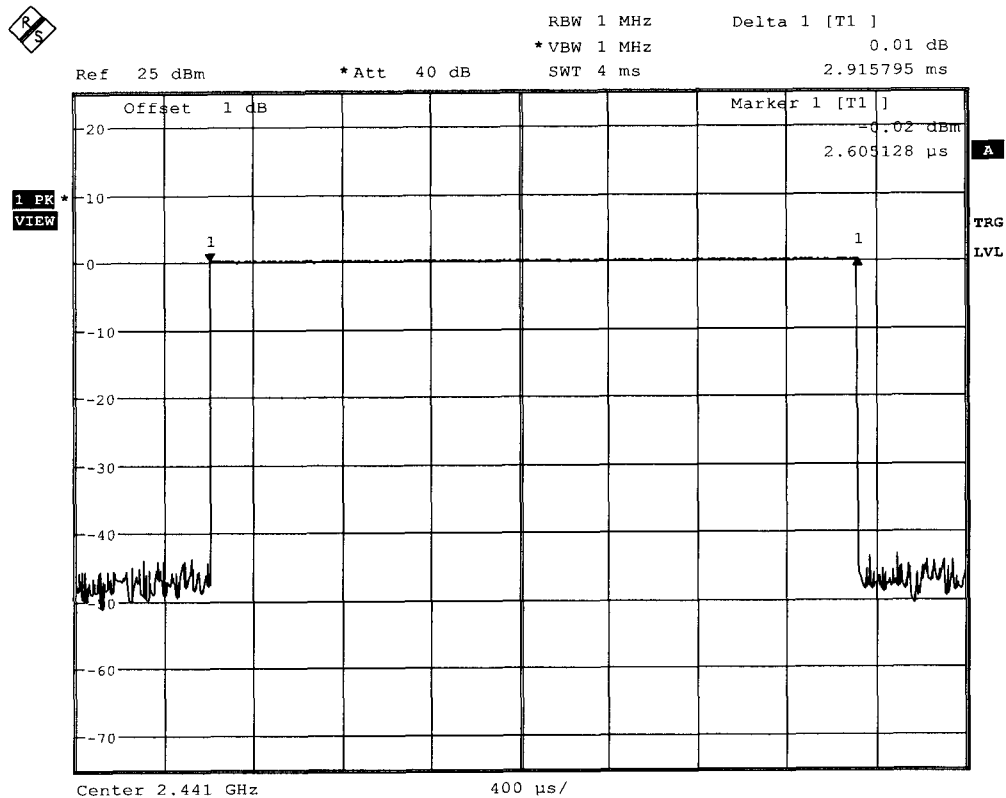
Appendix E

Time of occupancy (dwell time)

FCC part 15.247

Time of occupancy (dwell time)

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
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 * 2.916 ms result: 183.7 ms



Burst length=2.91579 ms

Date: 21.NOV.2007 10:31:13

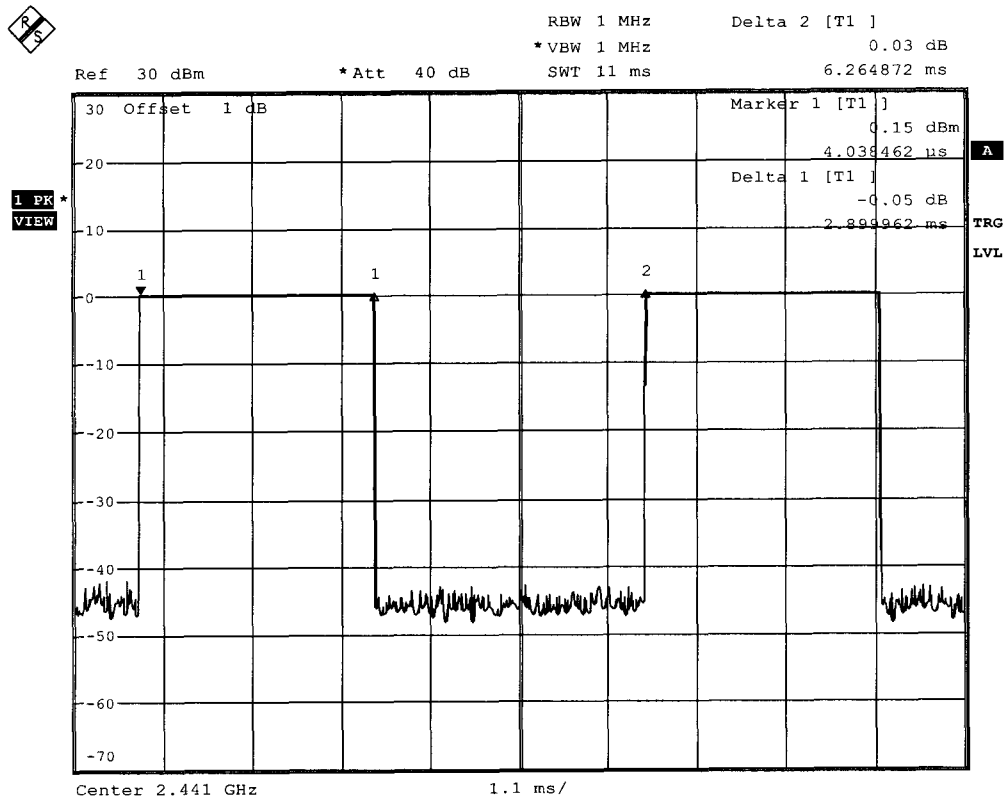
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Duty cycle
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Duty cycle=0.46

Date: 21.NOV.2007 10:29:10

Measurement diagram

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

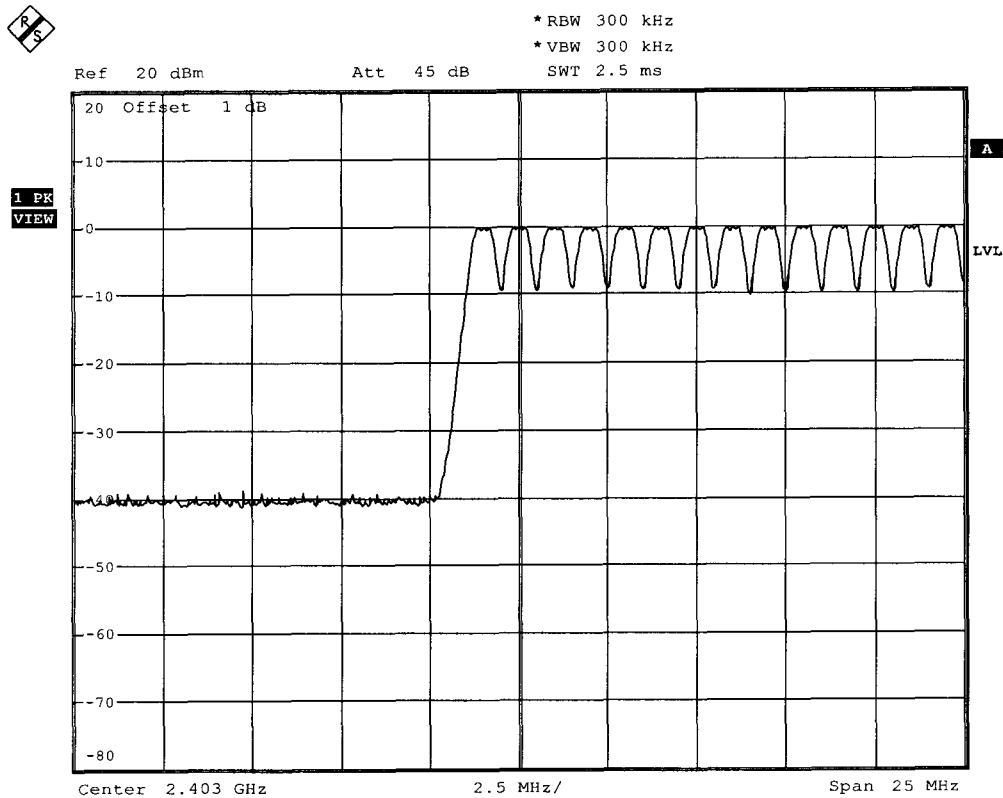
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Appendix F

Number of hopping frequencies

FCC part 15.247
Number of hopping frequencies

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 0-13
Comment 3	



Number of hopping frequencies
Date: 21.NOV.2007 11:15:02

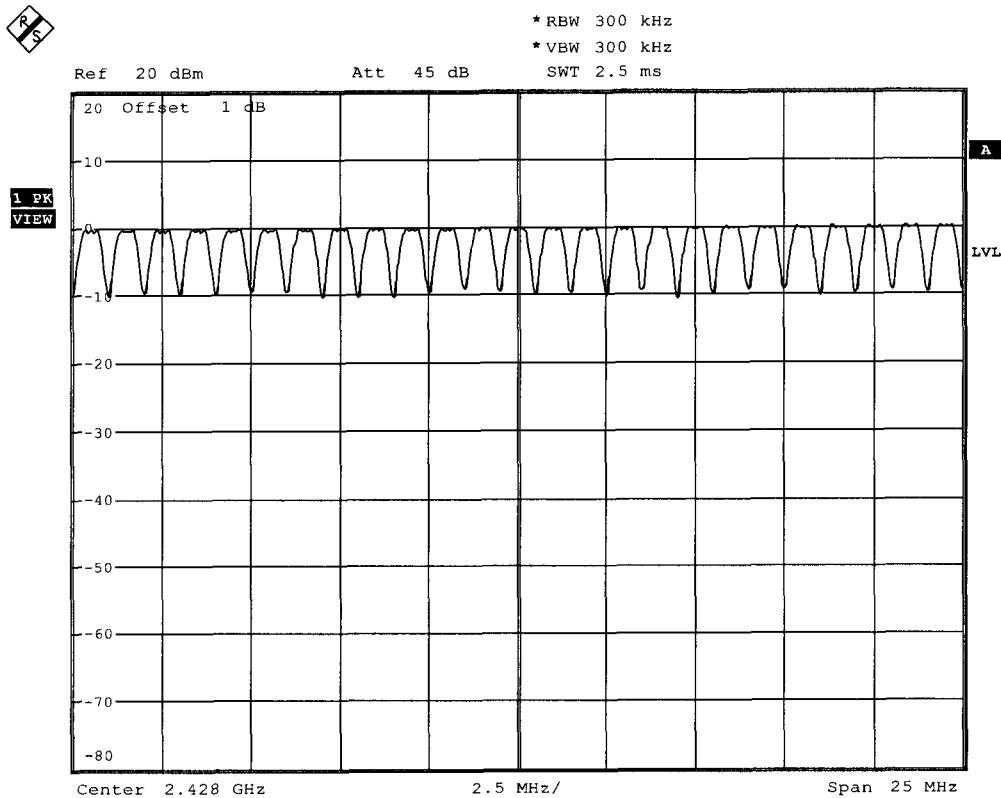
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 14-38
Comment 3	



Number of hopping frequencies
Date: 21.NOV.2007 11:17:44

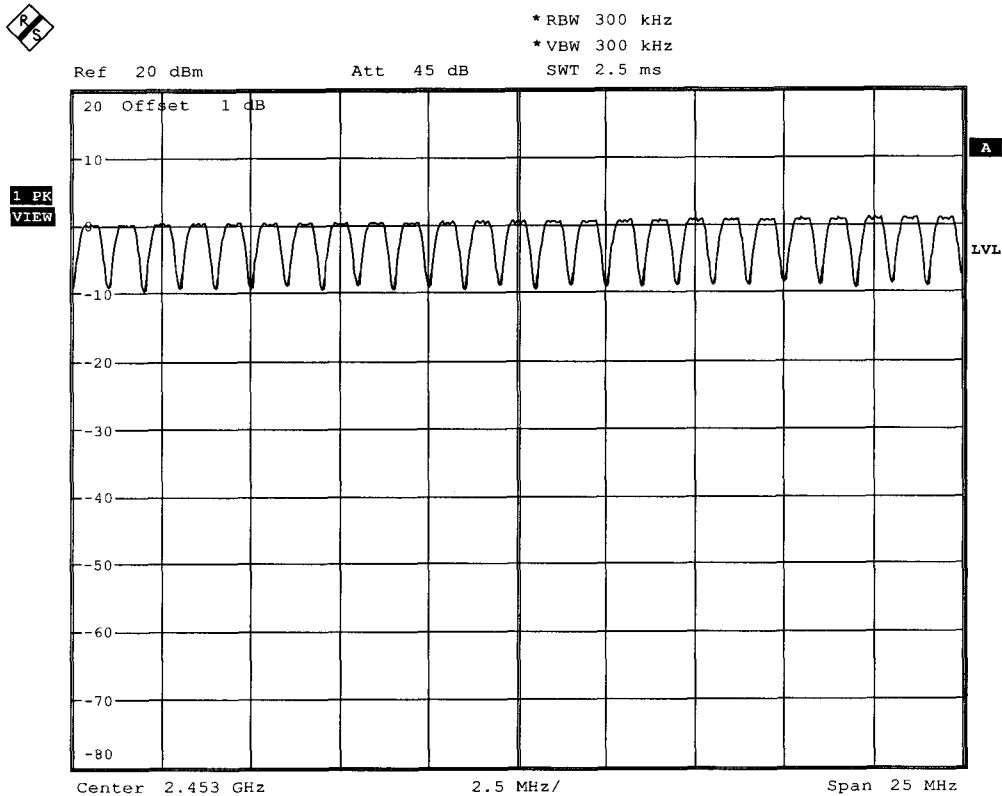
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.:39-63
Comment 3	



Number of hopping frequencies
Date: 21.NOV.2007 11:23:58

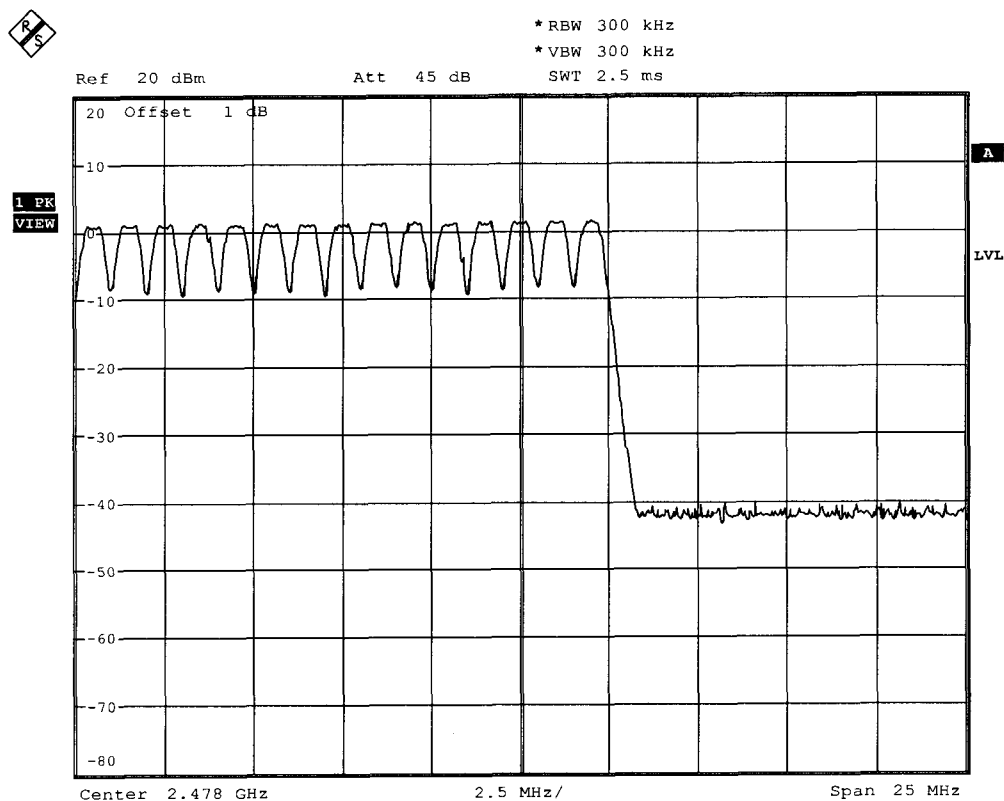
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 64-78
Comment 3	



Number of hopping frequencies
Date: 21.NOV.2007 11:25:30

Measurement diagram

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

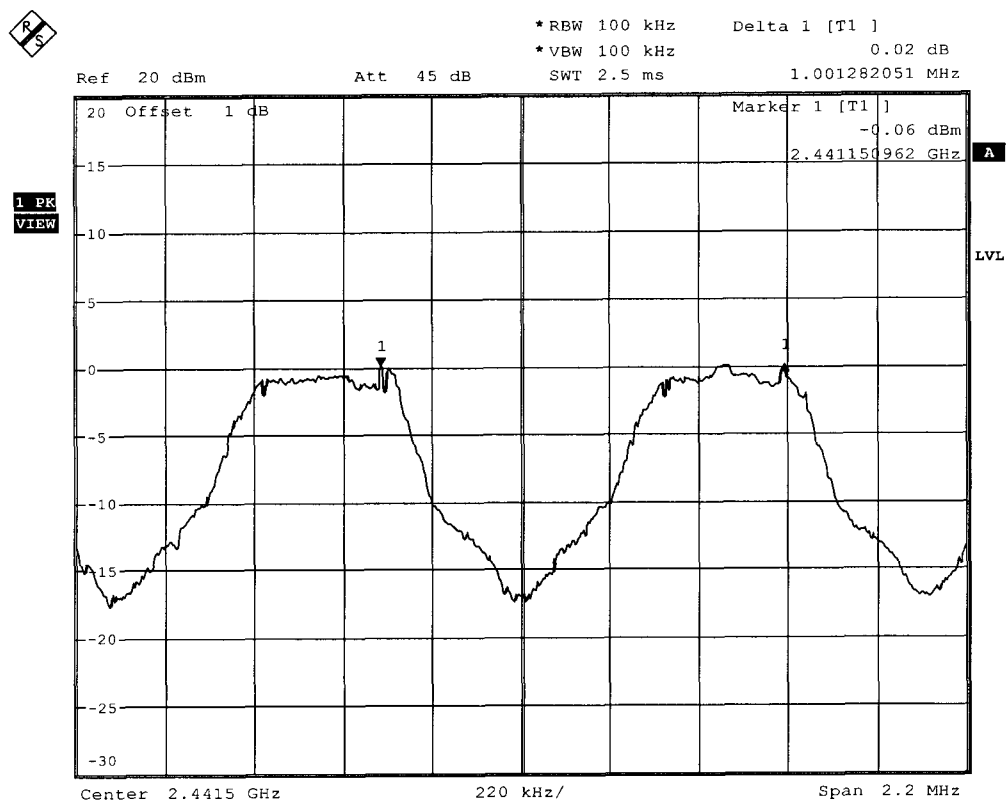
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Appendix G

Carrier frequency separation

FCC part 15.247
Carrier frequency separation

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)(1)
Comment 1	Carrier frequency separation
Comment 2	Channel.: 39/40 / 2441/2442 MHz
Comment 3	Hopping mode



Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass

Date: 21.NOV.2007 10:25:10

Measurement diagram

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

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Appendix H

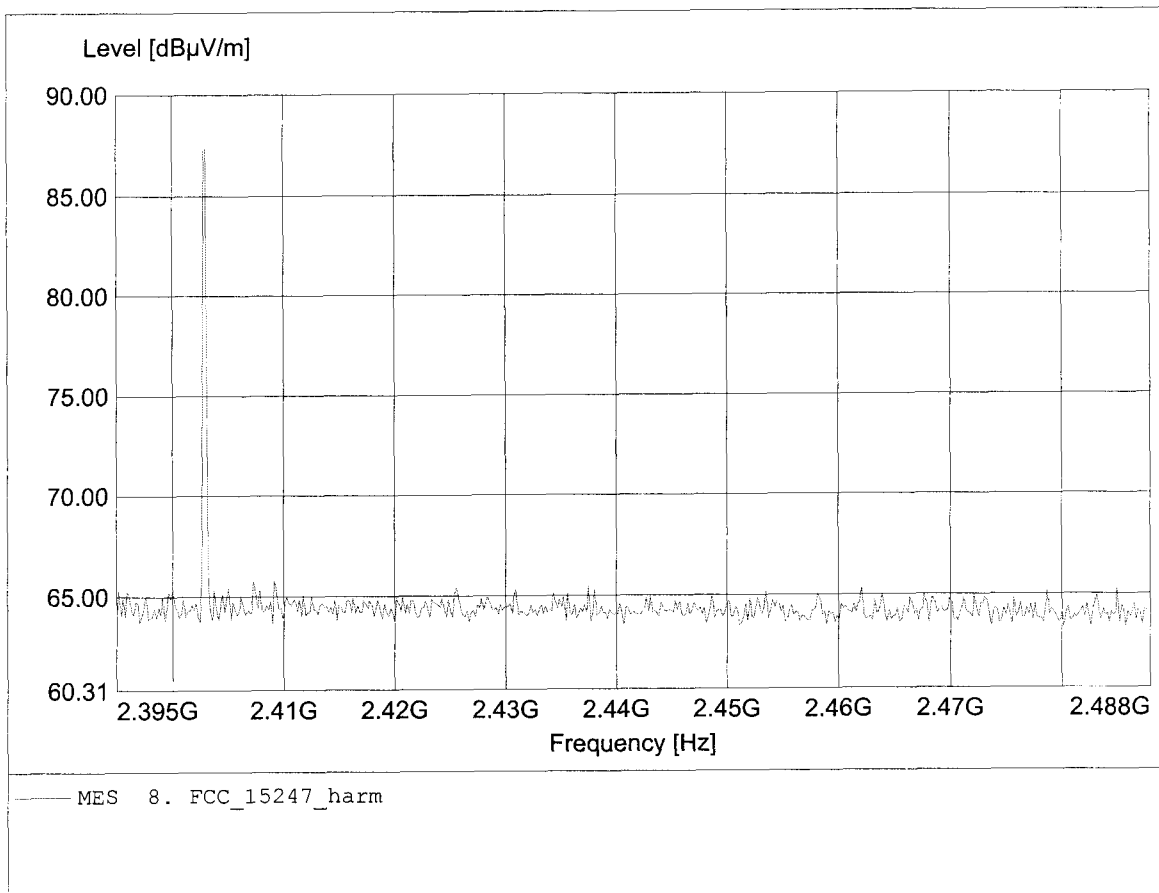
Spurious emission conducted

Appendix I

Spurious emission radiated

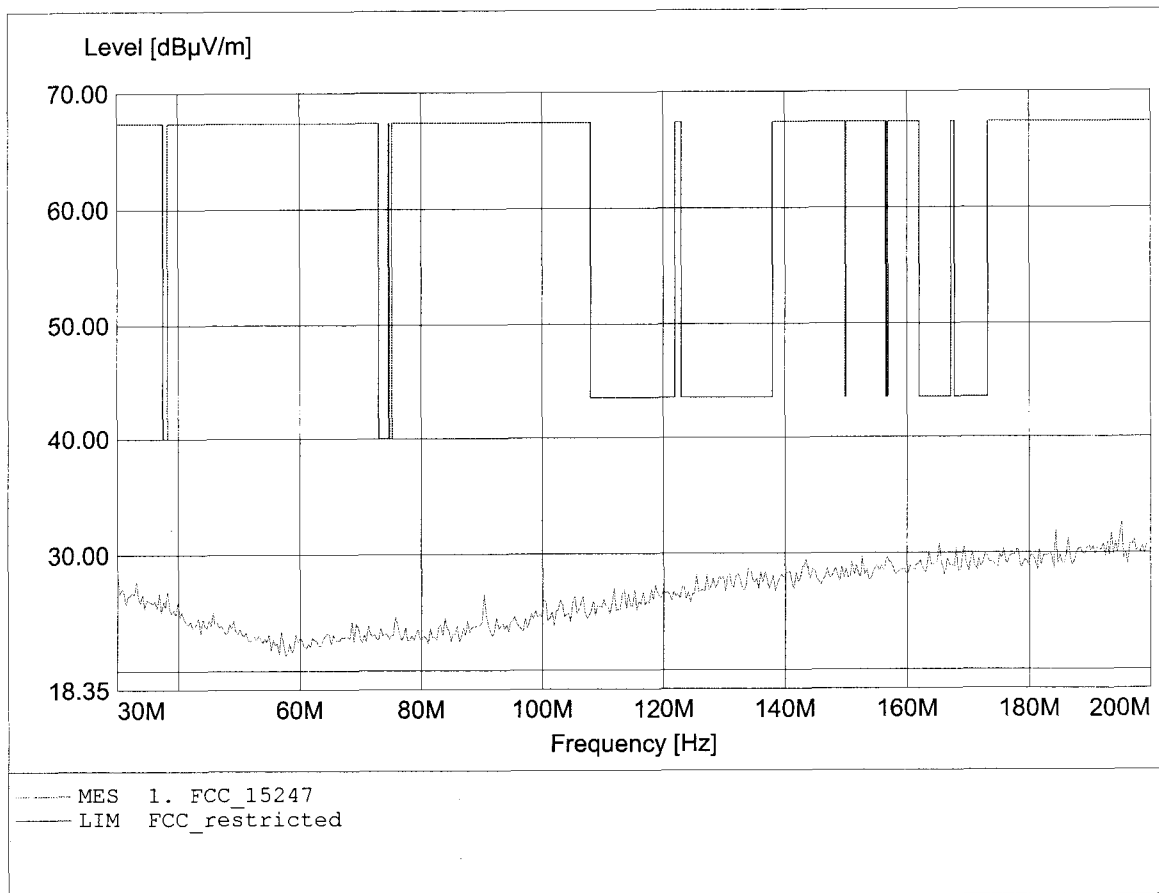
Carrier power (Field Strength)
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 2.403GHz, Emax: 87.37dBµV/m, RBW: 100kHz



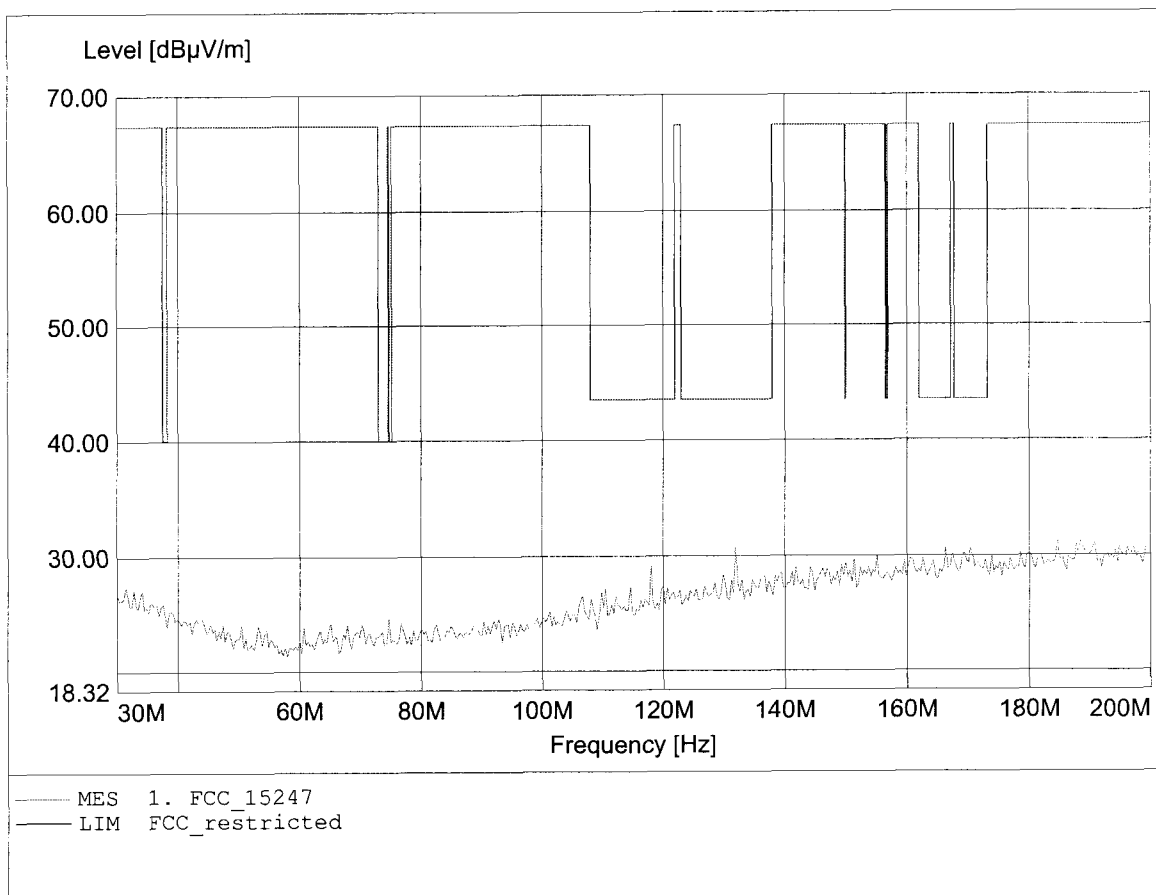
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.230MHz, Emax: 32.61dBµV/m, RBW: 100kHz



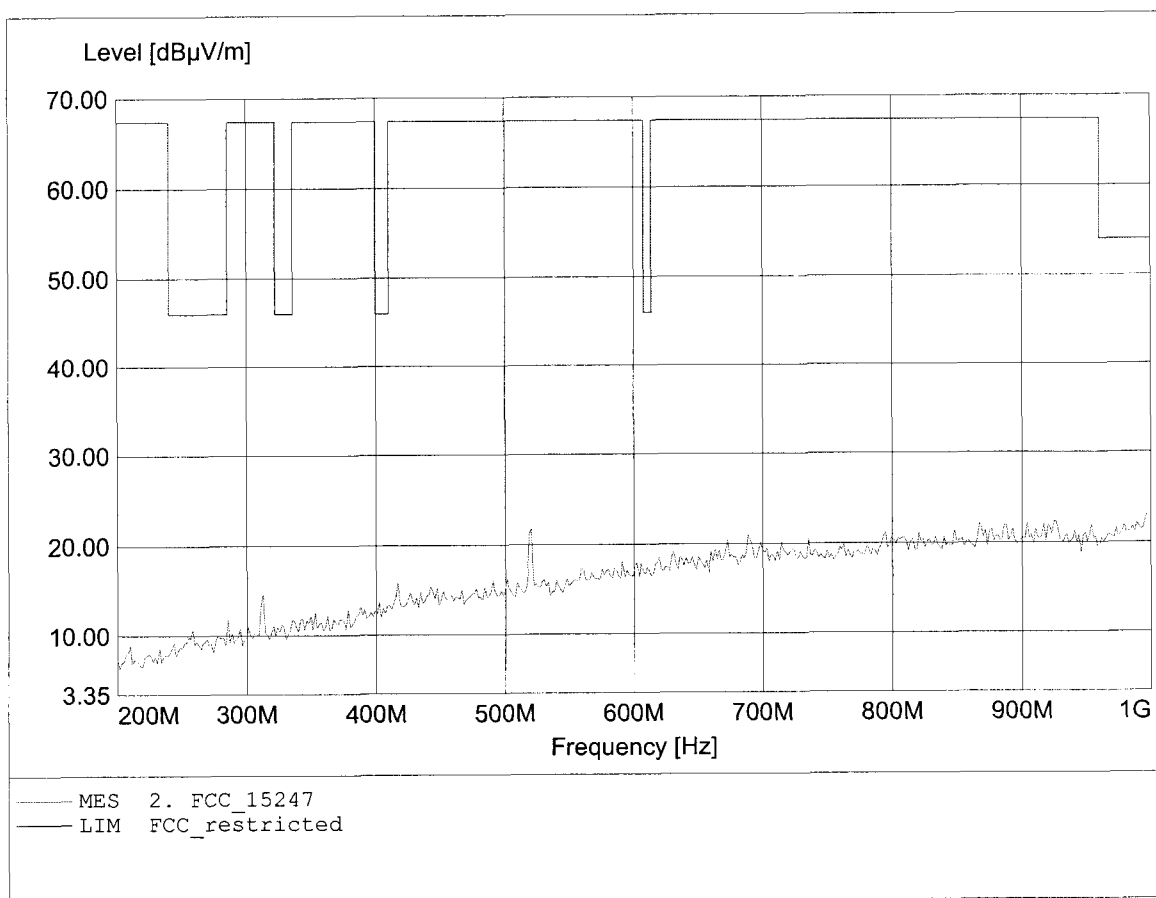
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 184.669MHz, Emax: 31.26dBµV/m, RBW: 100kHz



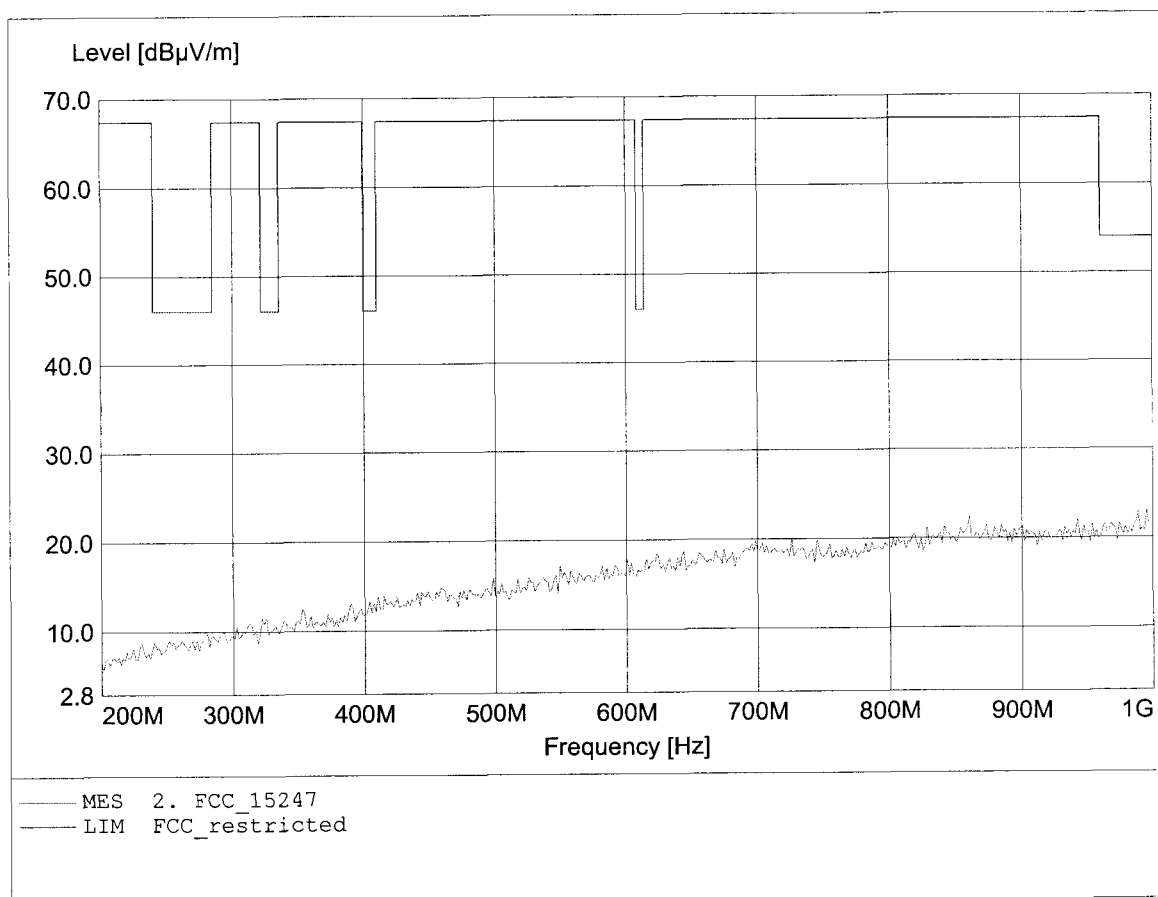
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 996.794MHz, Emax: 23.16dBµV/m, RBW: 100kHz



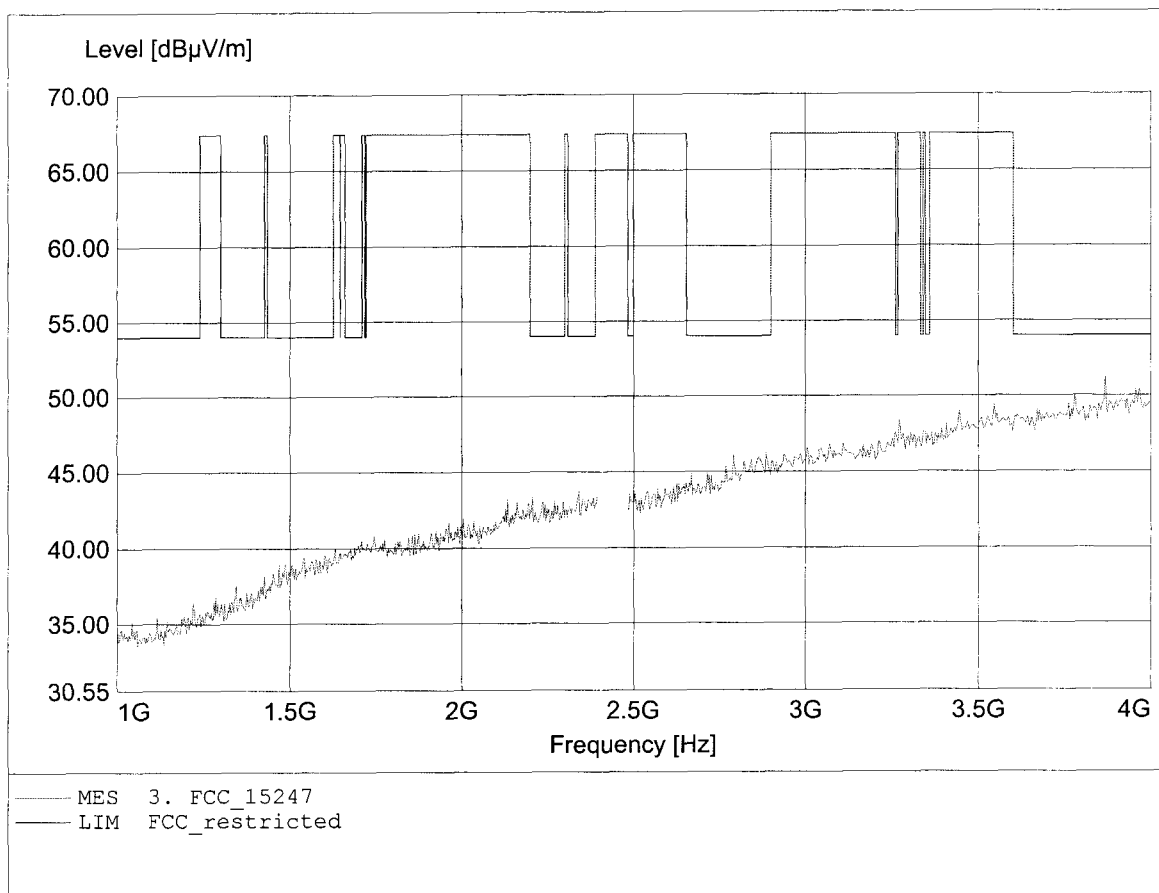
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 995.190MHz, Emax: 23.04dBµV/m, RBW: 100kHz



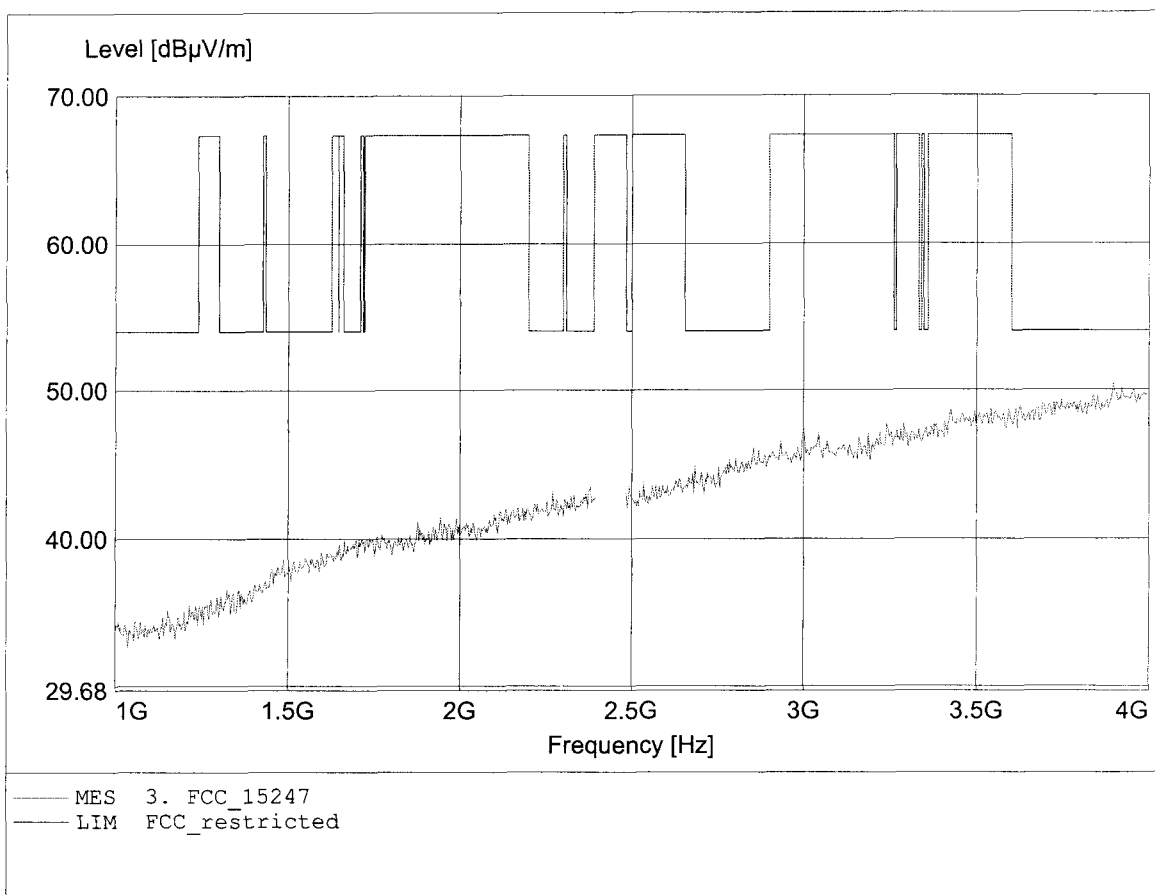
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.866GHz, Emax: 51.23dBμV/m, RBW: 1MHz



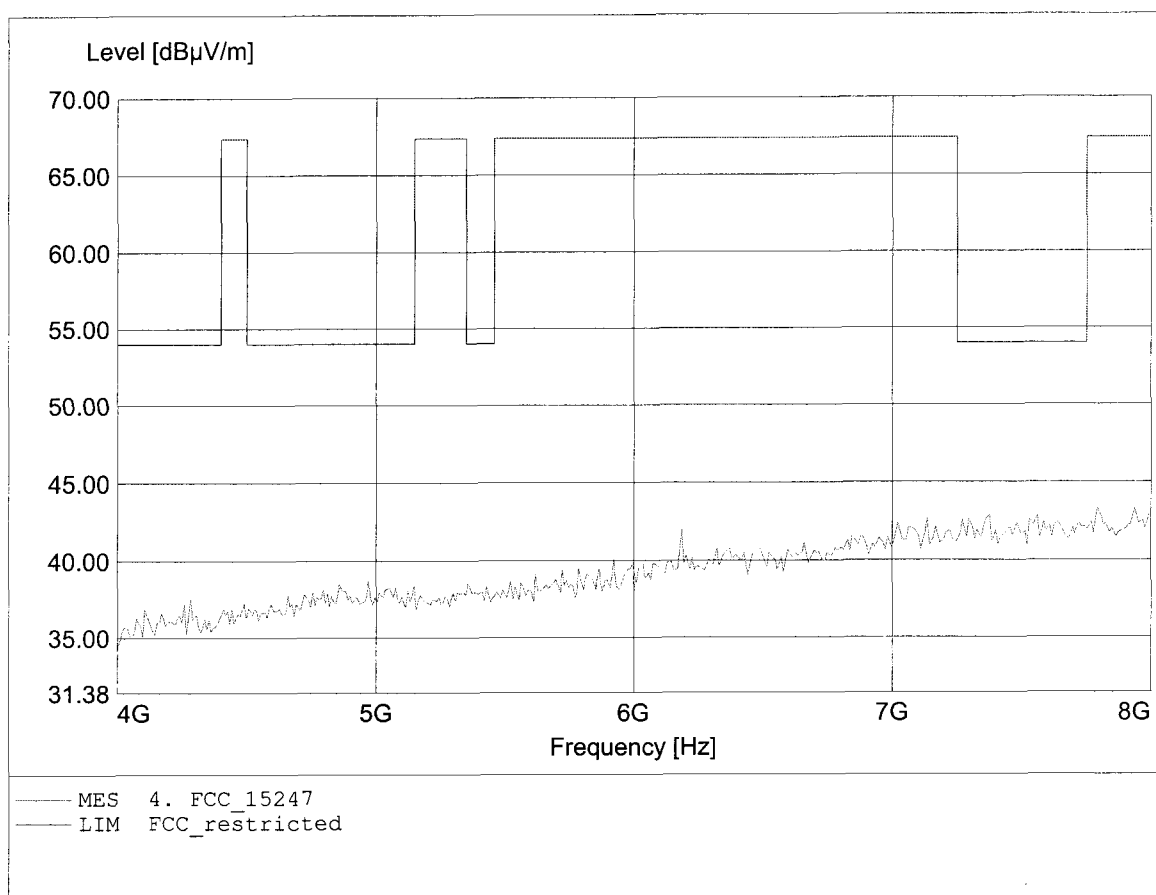
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.897GHz, Emax: 50.50dBμV/m, RBW: 1MHz



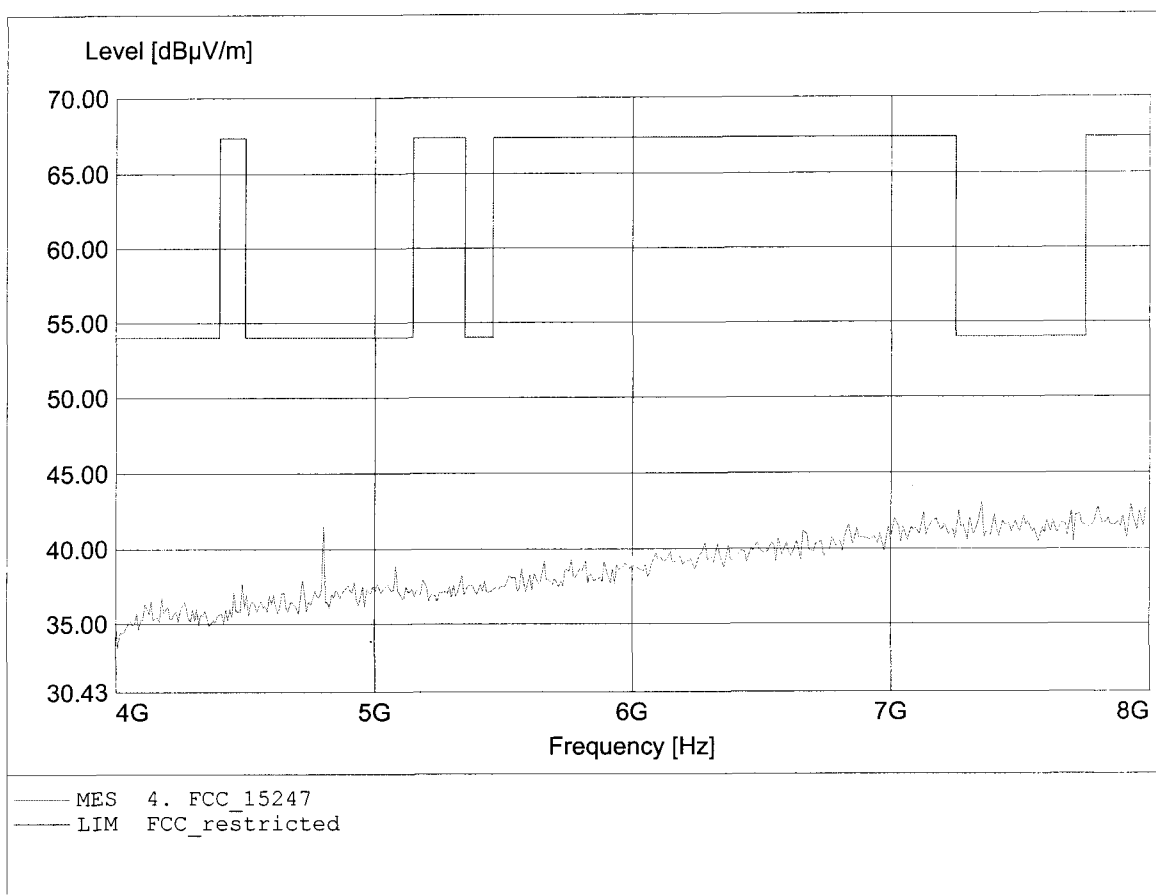
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.792GHz, Emax: 43.34dBμV/m, RBW: 1MHz



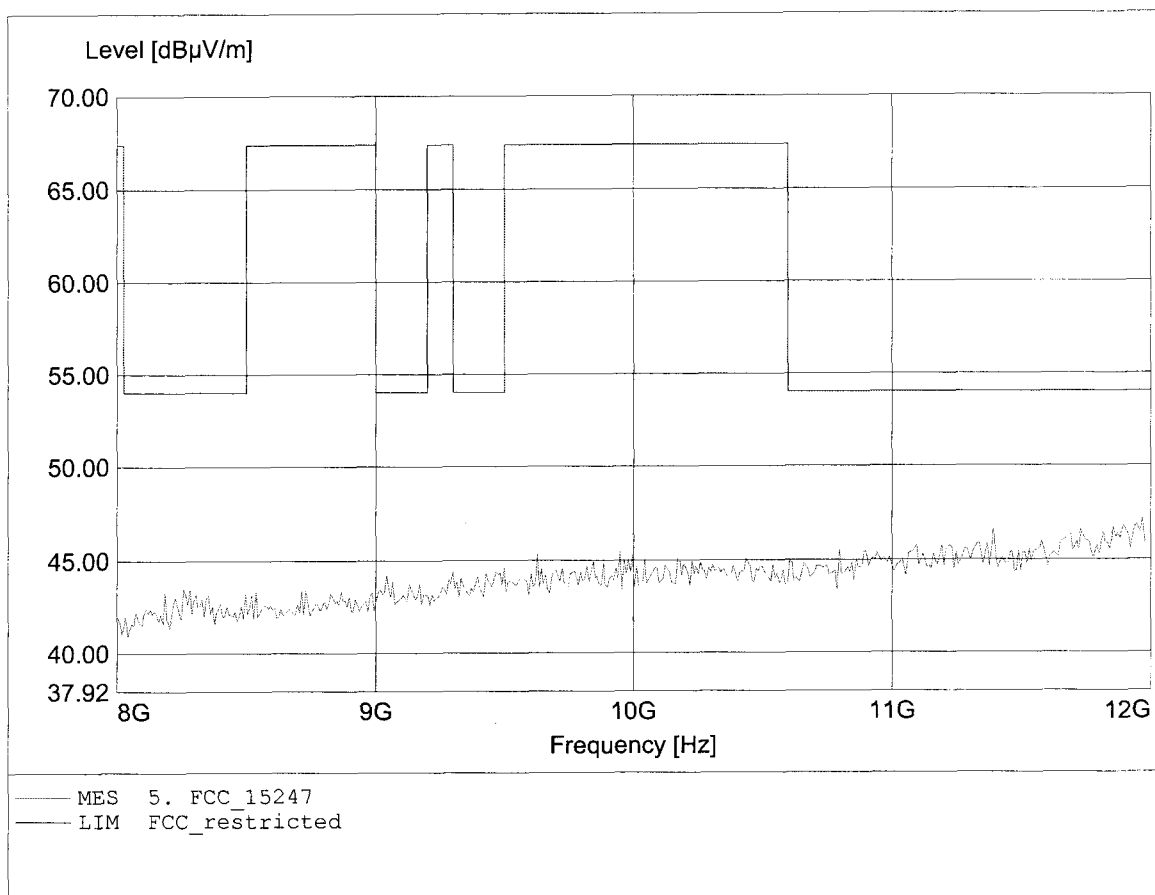
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.351GHz, Emax: 43.03dBµV/m, RBW: 1MHz



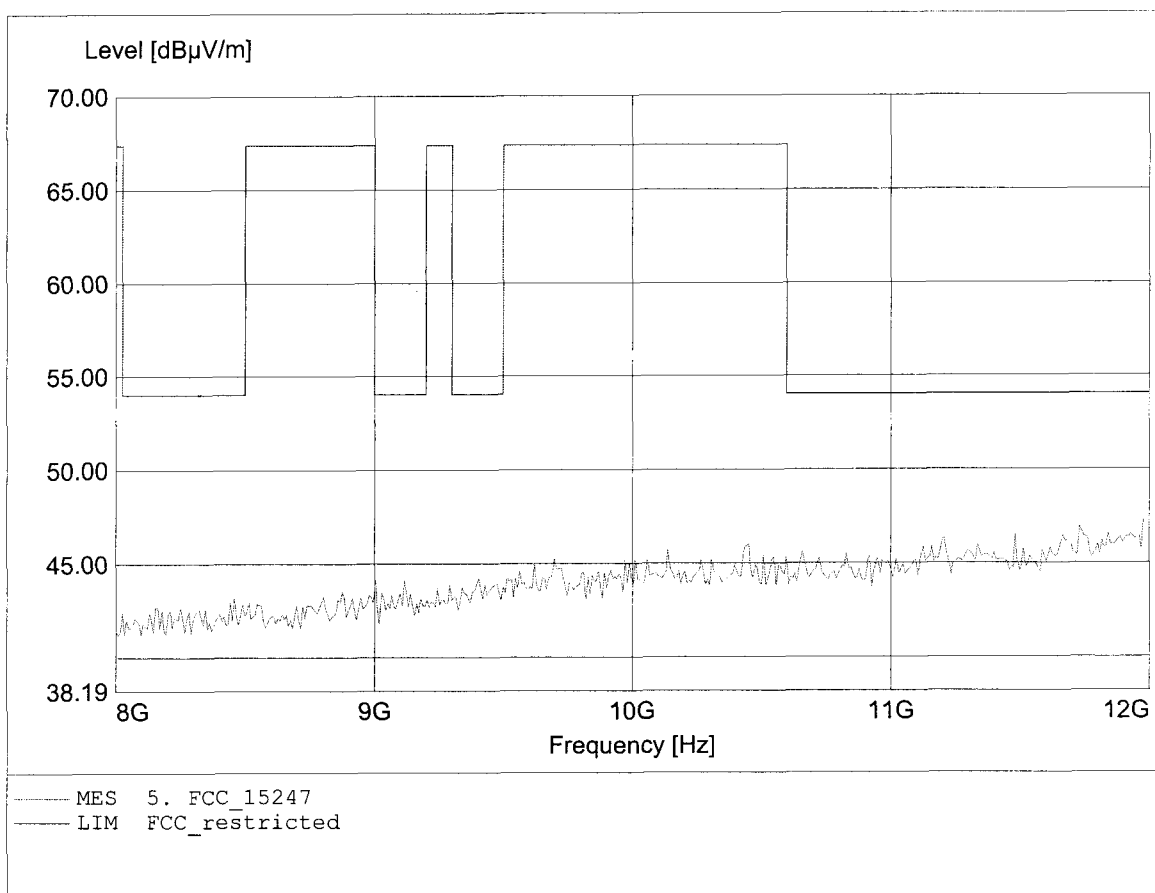
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.968GHz, Emax: 47.20dBµV/m, RBW: 1MHz



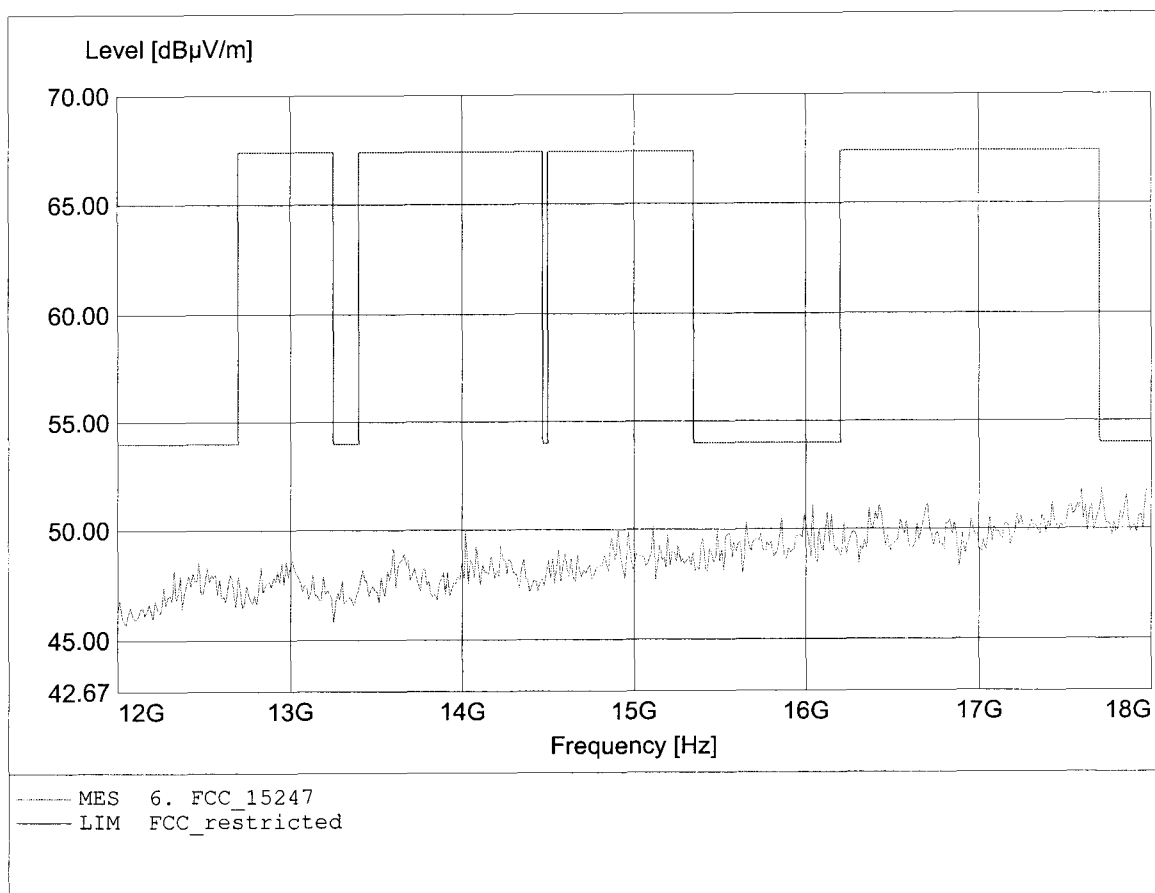
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: GSM20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.976GHz, Emax: 47.27dBμV/m, RBW: 1MHz



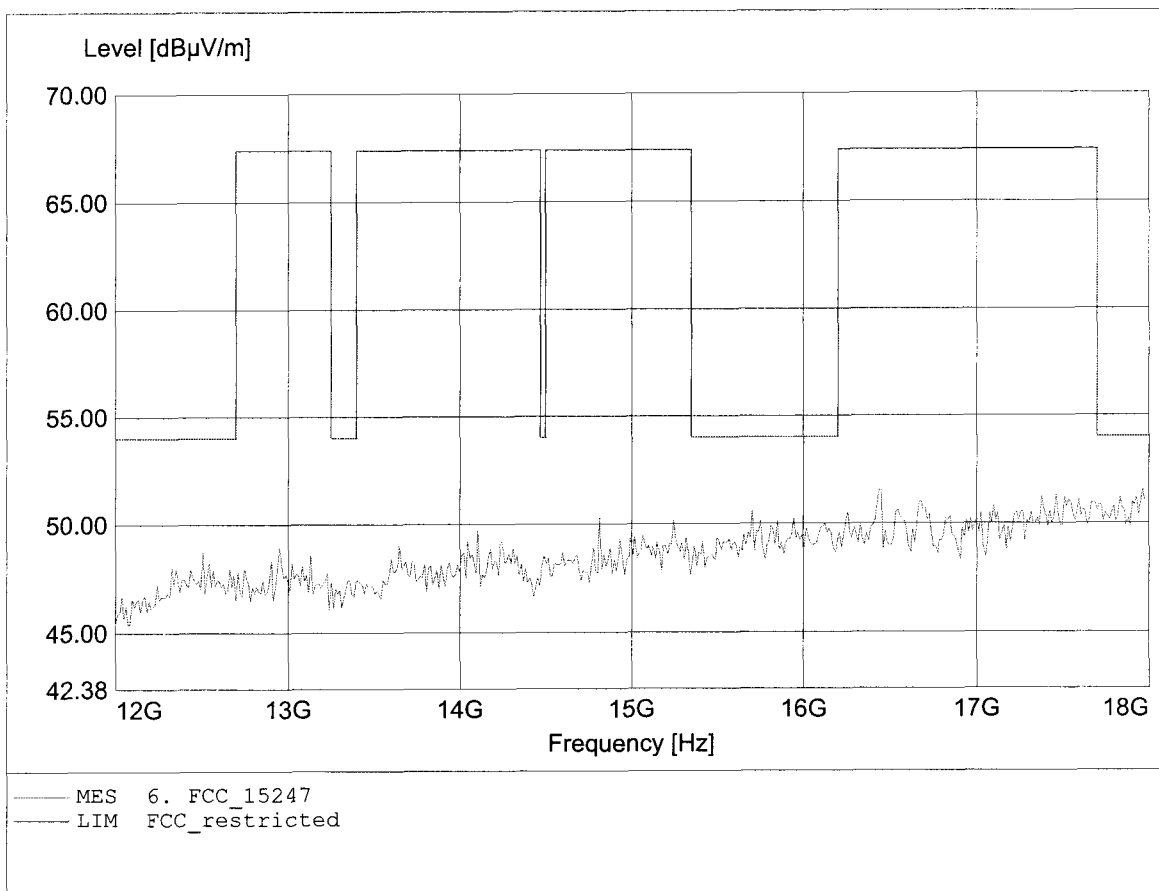
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.711GHz, Emax: 51.83dBμV/m, RBW: 1MHz



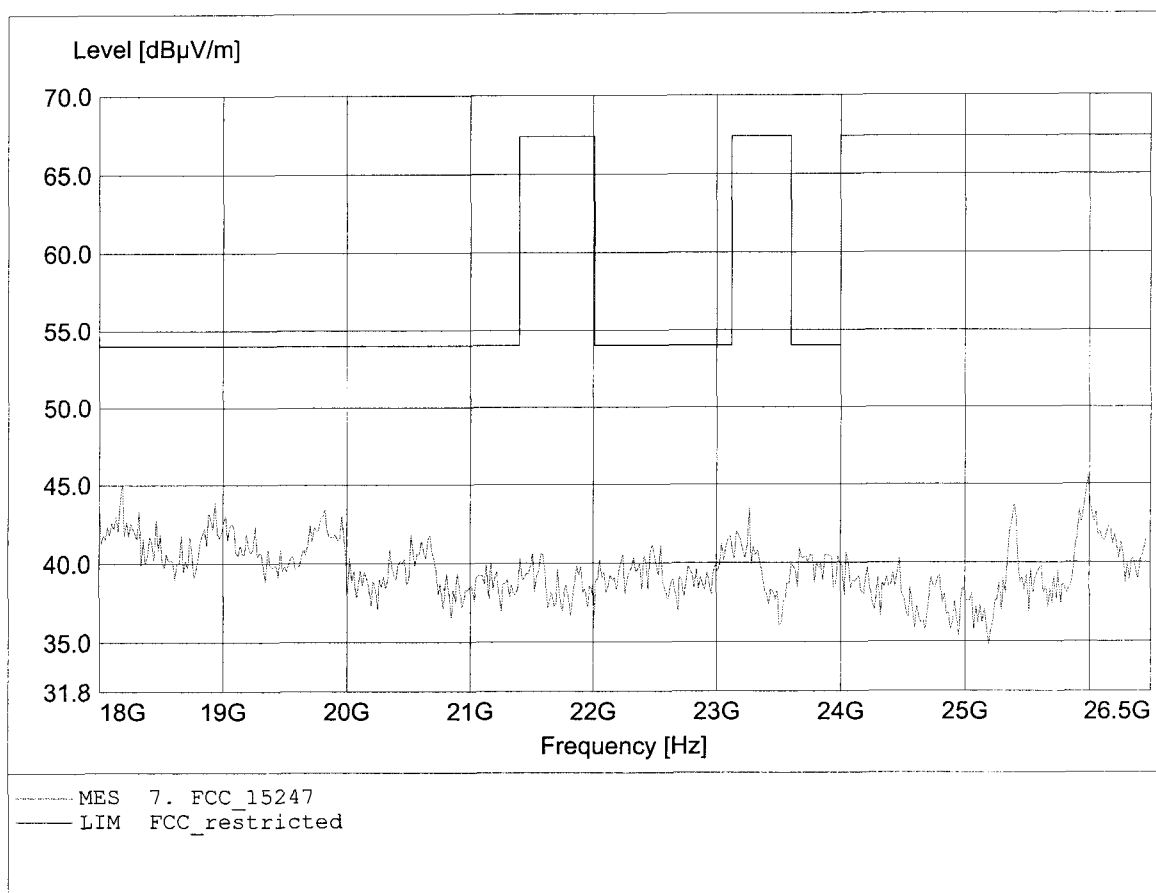
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 16.437GHz, Emax: 51.63dBµV/m, RBW: 1MHz



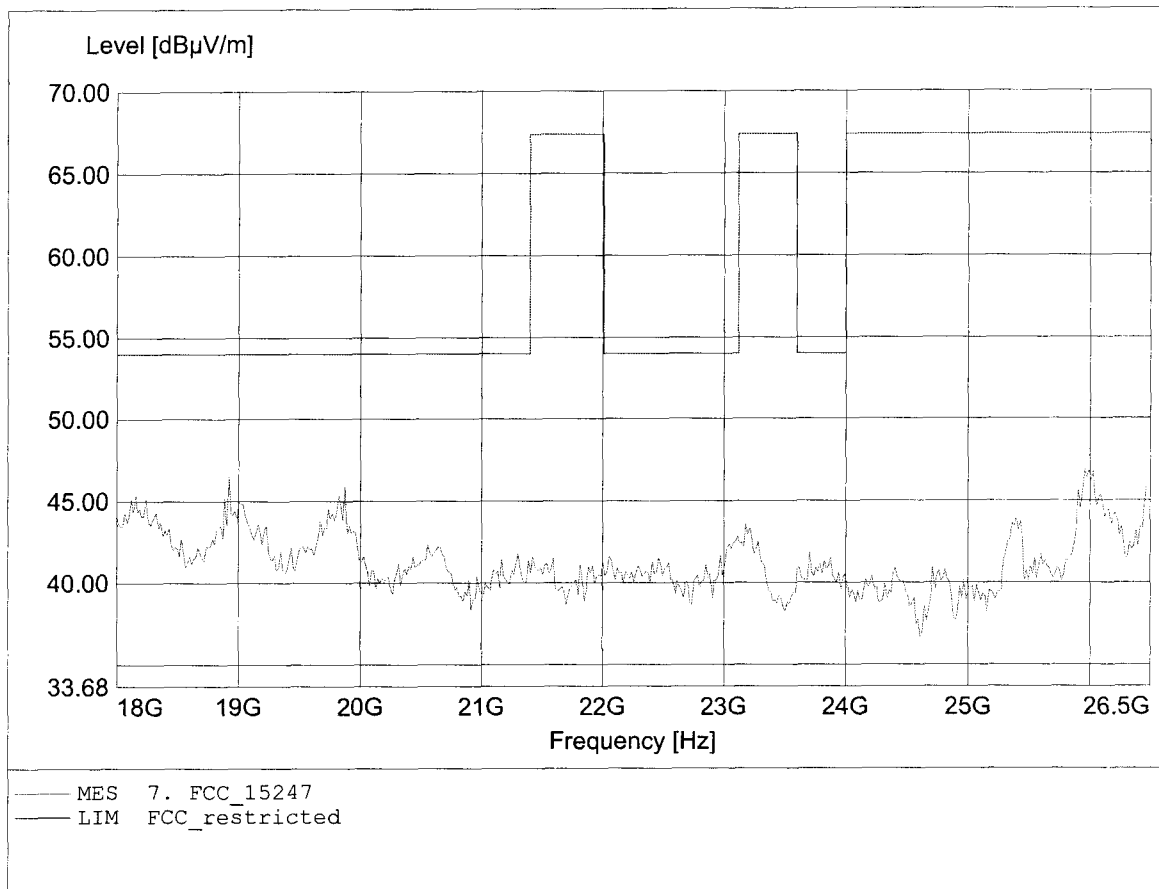
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.989GHz, Emax: 45.52dBμV/m, RBW: 1MHz



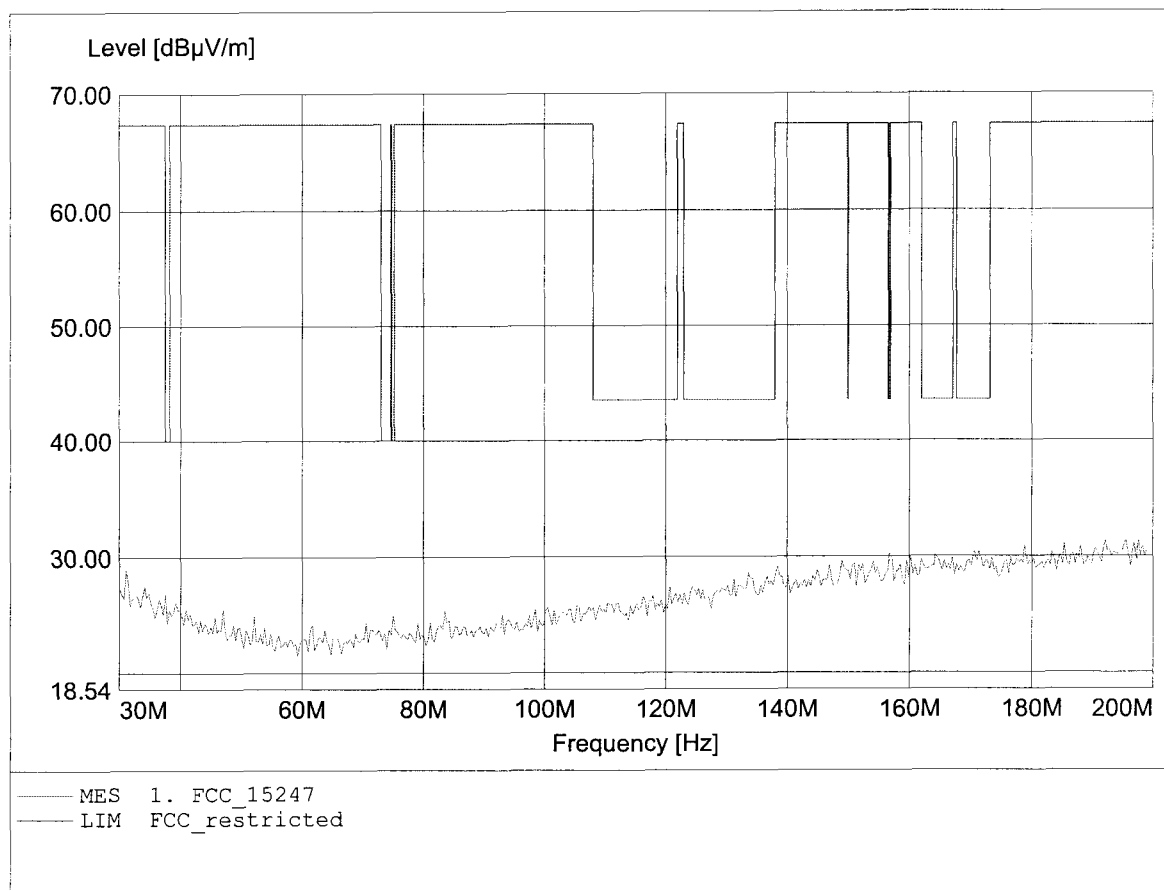
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2402 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.989GHz, Emax: 46.88dBµV/m, RBW: 1MHz



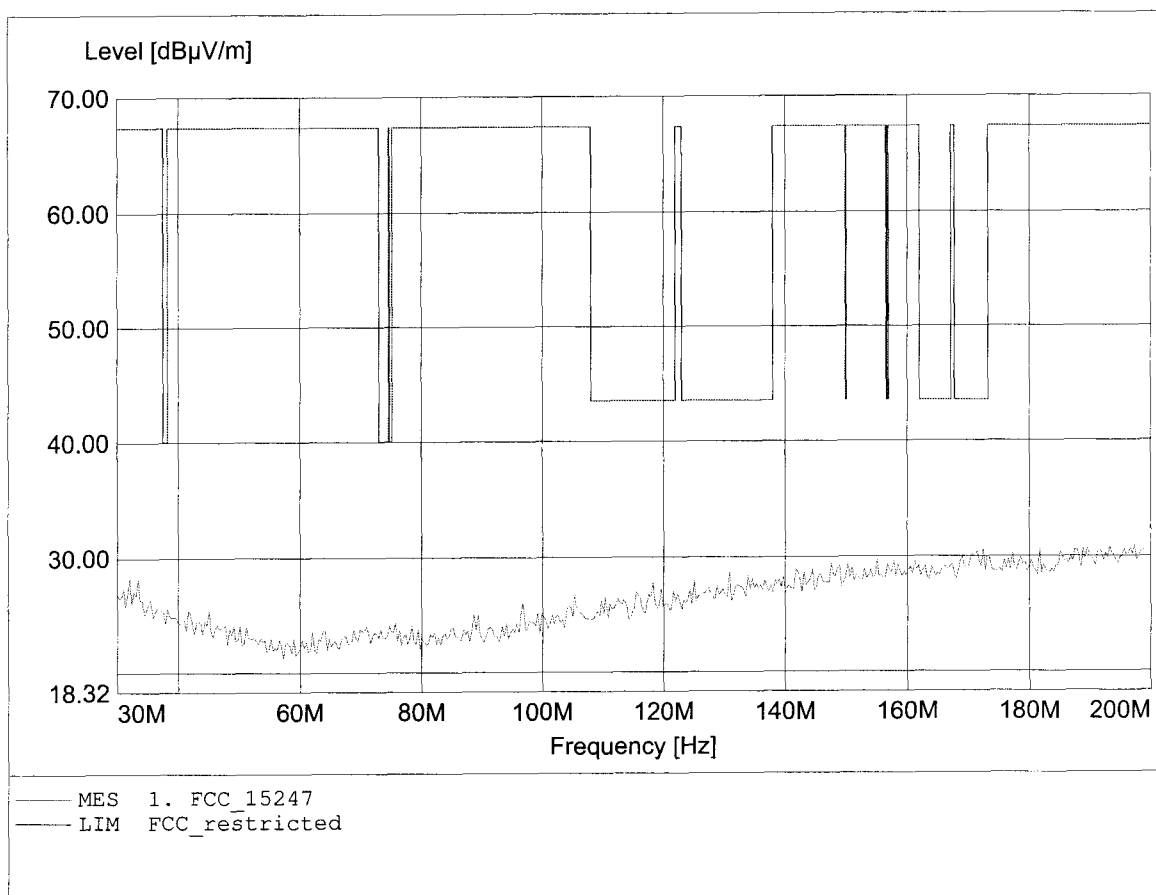
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: GSM20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.615MHz, Emax: 31.40dBµV/m, RBW: 100kHz



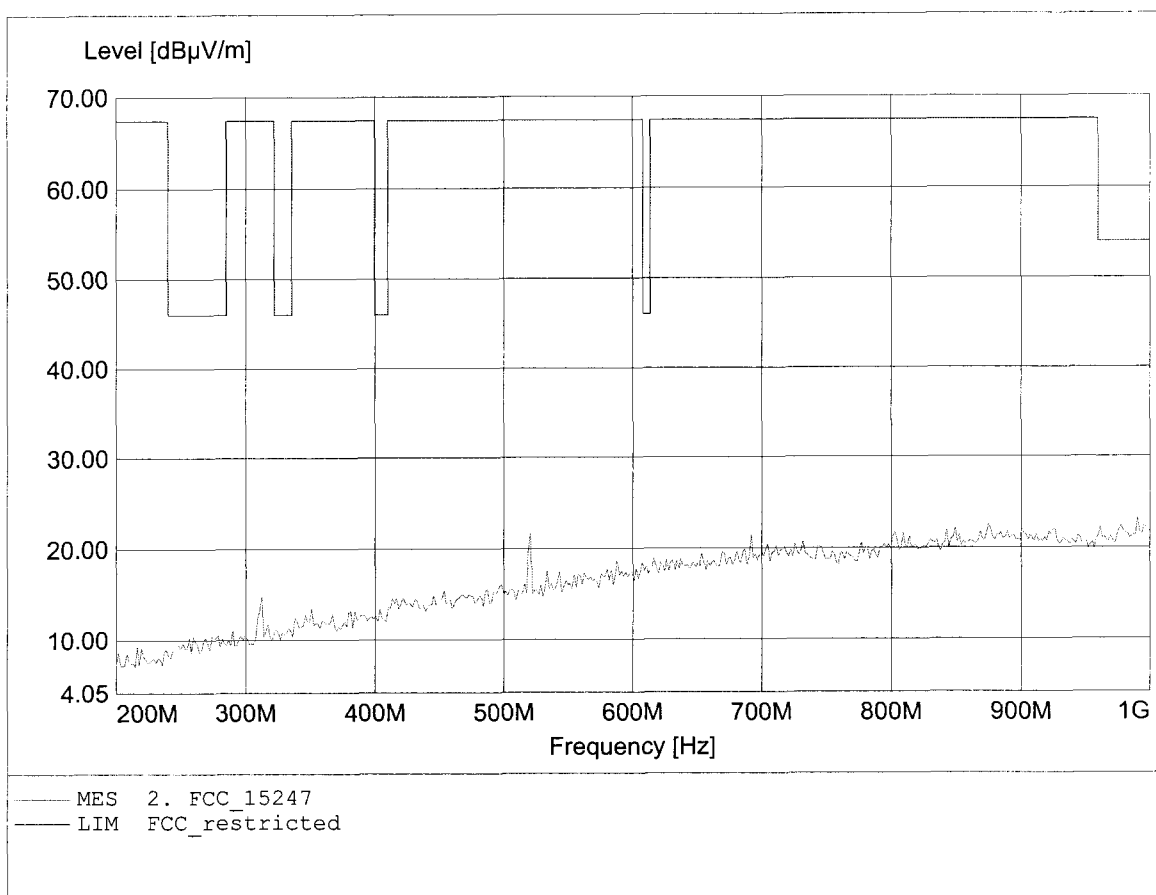
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.275MHz, Emax: 30.92dBµV/m, RBW: 100kHz



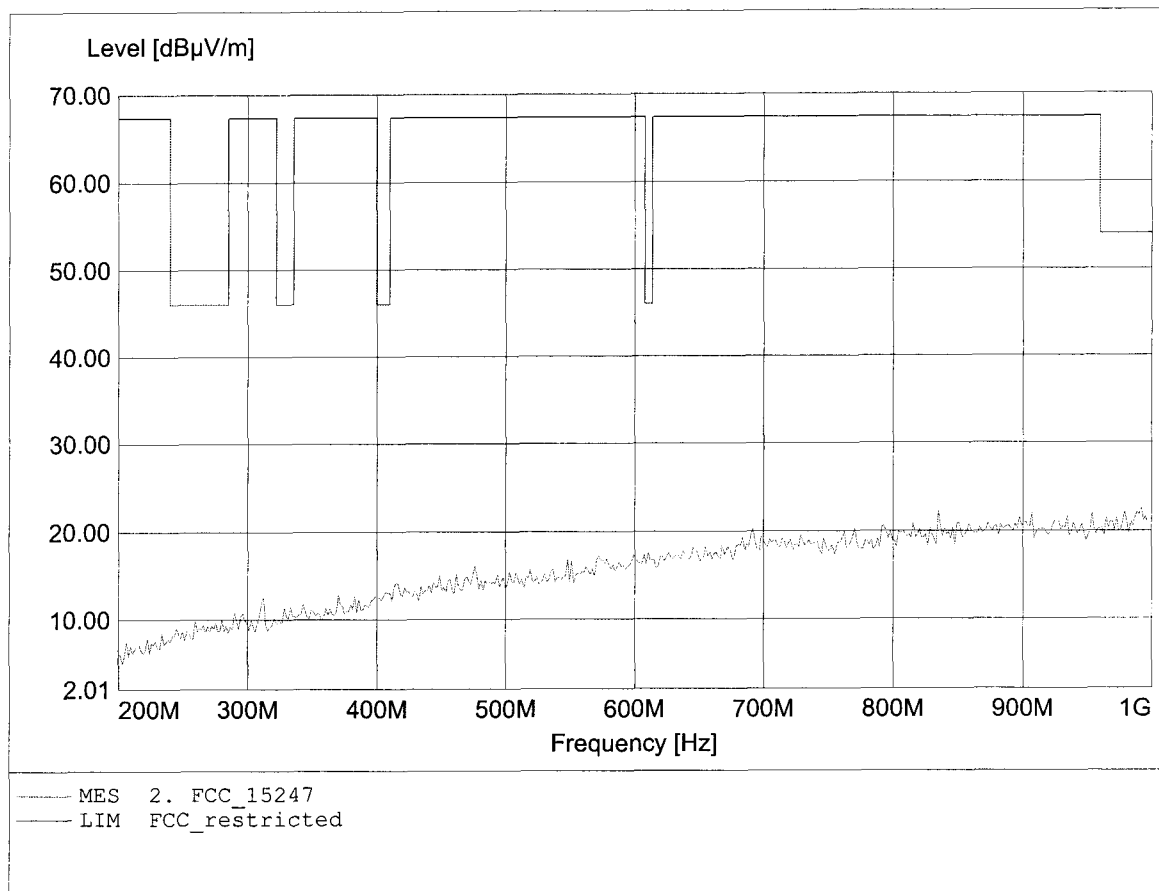
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 990.381MHz, Emax: 23.15dBµV/m, RBW: 100kHz



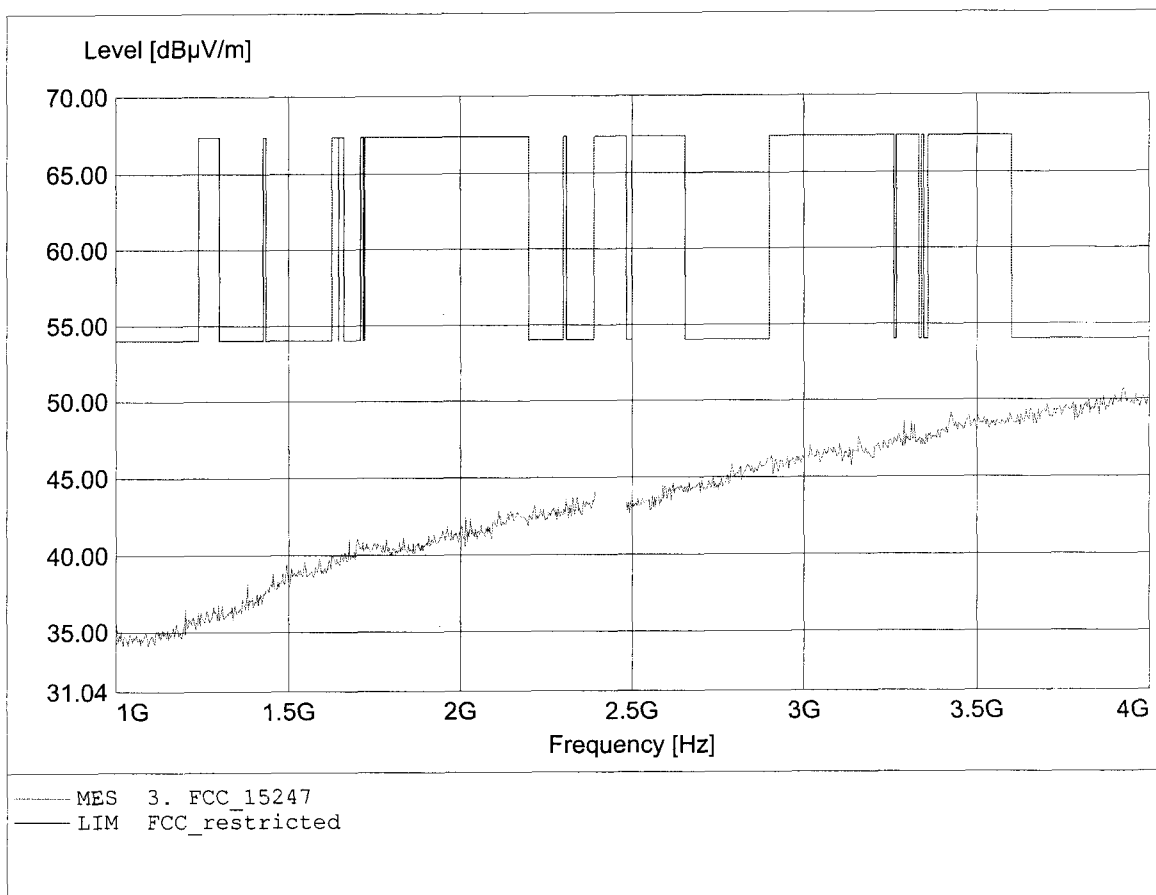
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 991.984MHz, Emax: 22.56dBµV/m, RBW: 100kHz



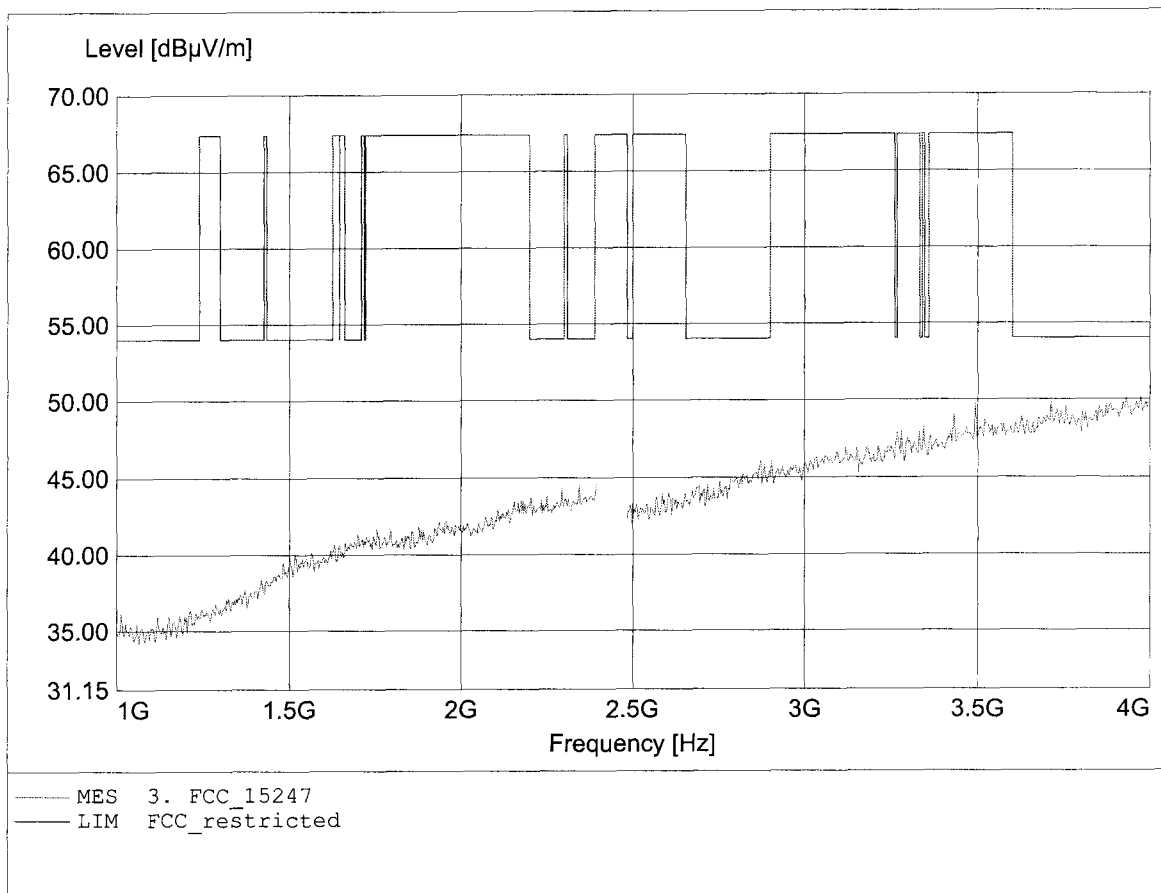
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.927GHz, Emax: 50.66dBµV/m, RBW: 1MHz



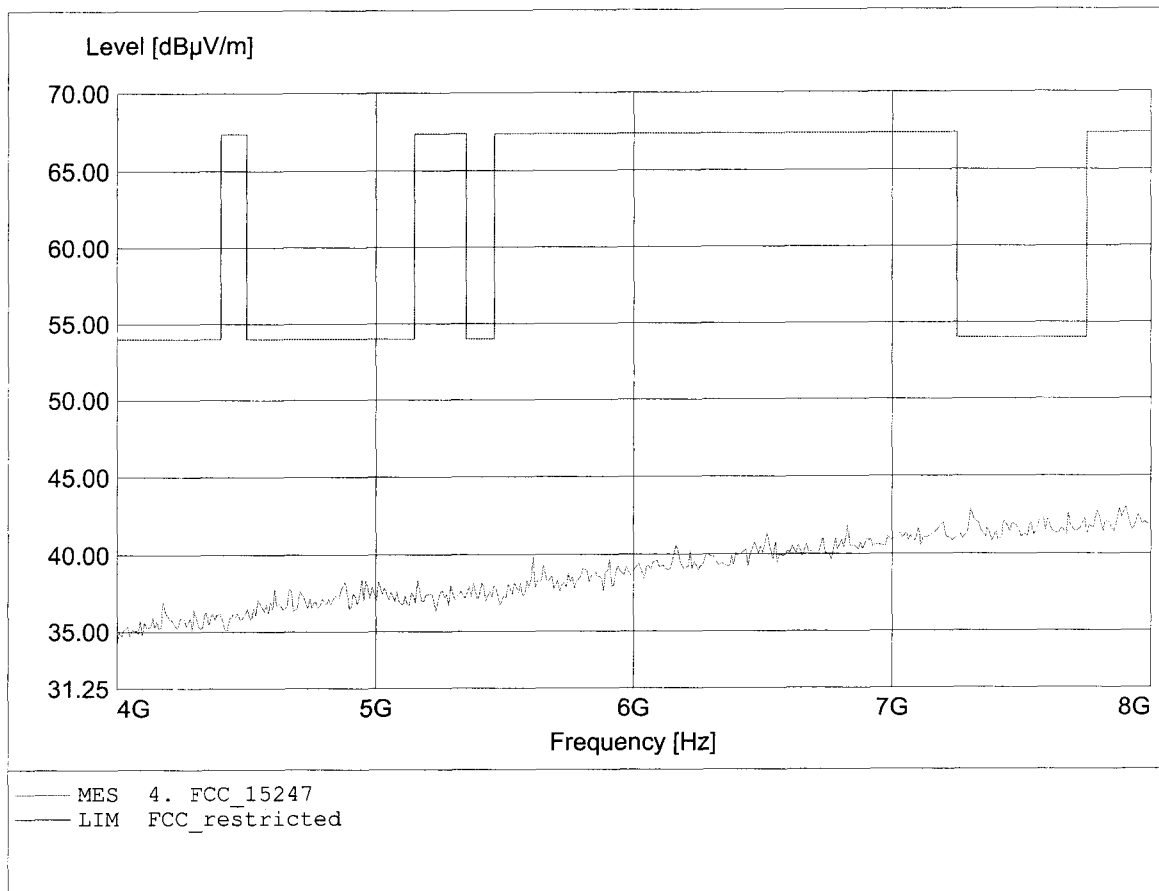
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.973GHz, Emax: 50.18dBµV/m, RBW: 1MHz



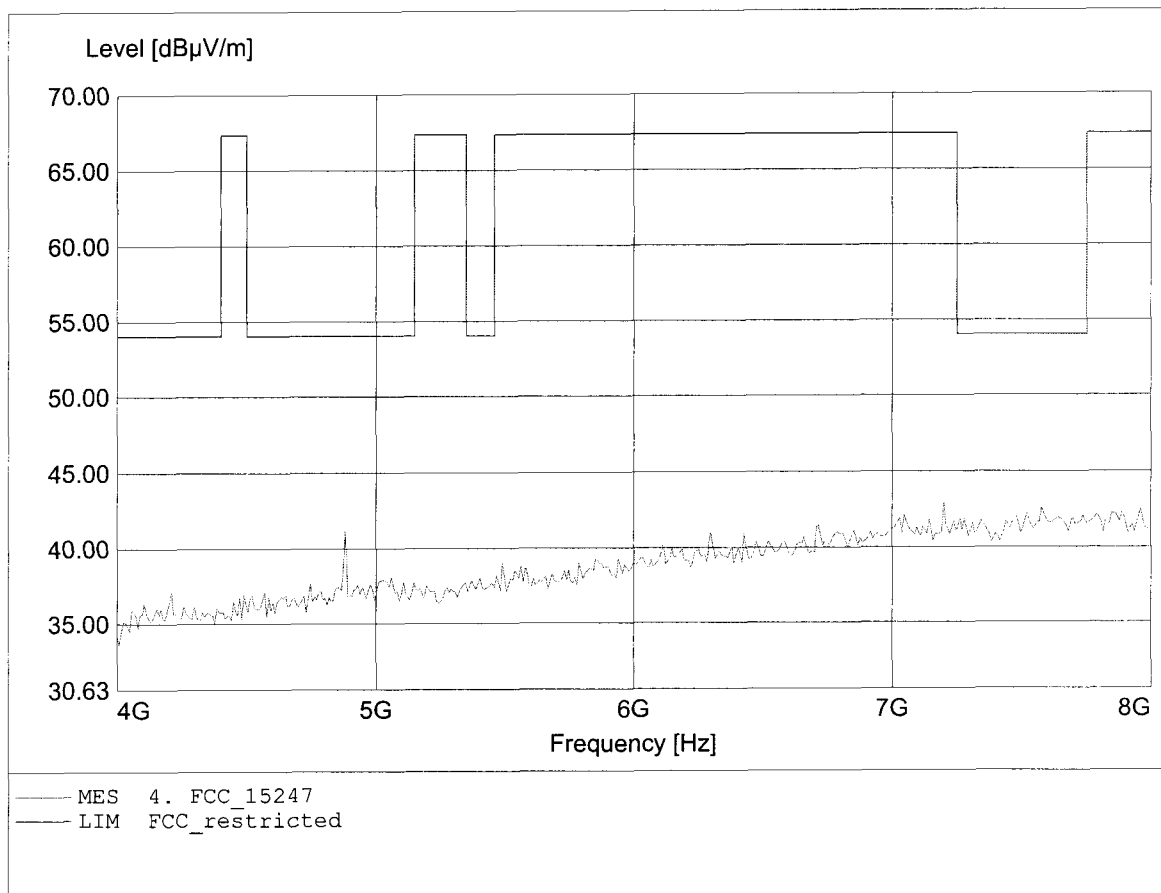
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.904GHz, Emax: 43.02dBµV/m, RBW: 1MHz



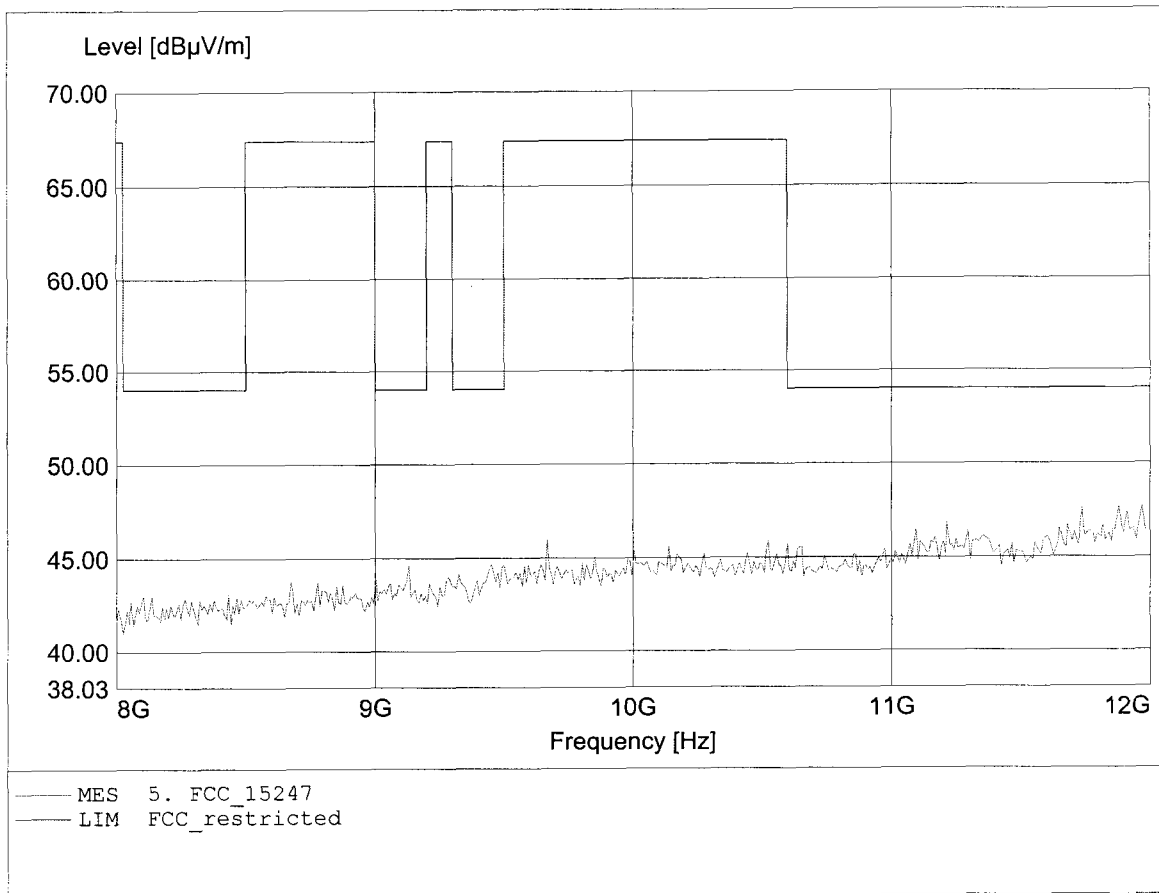
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.198GHz, Emax: 42.97dBµV/m, RBW: 1MHz



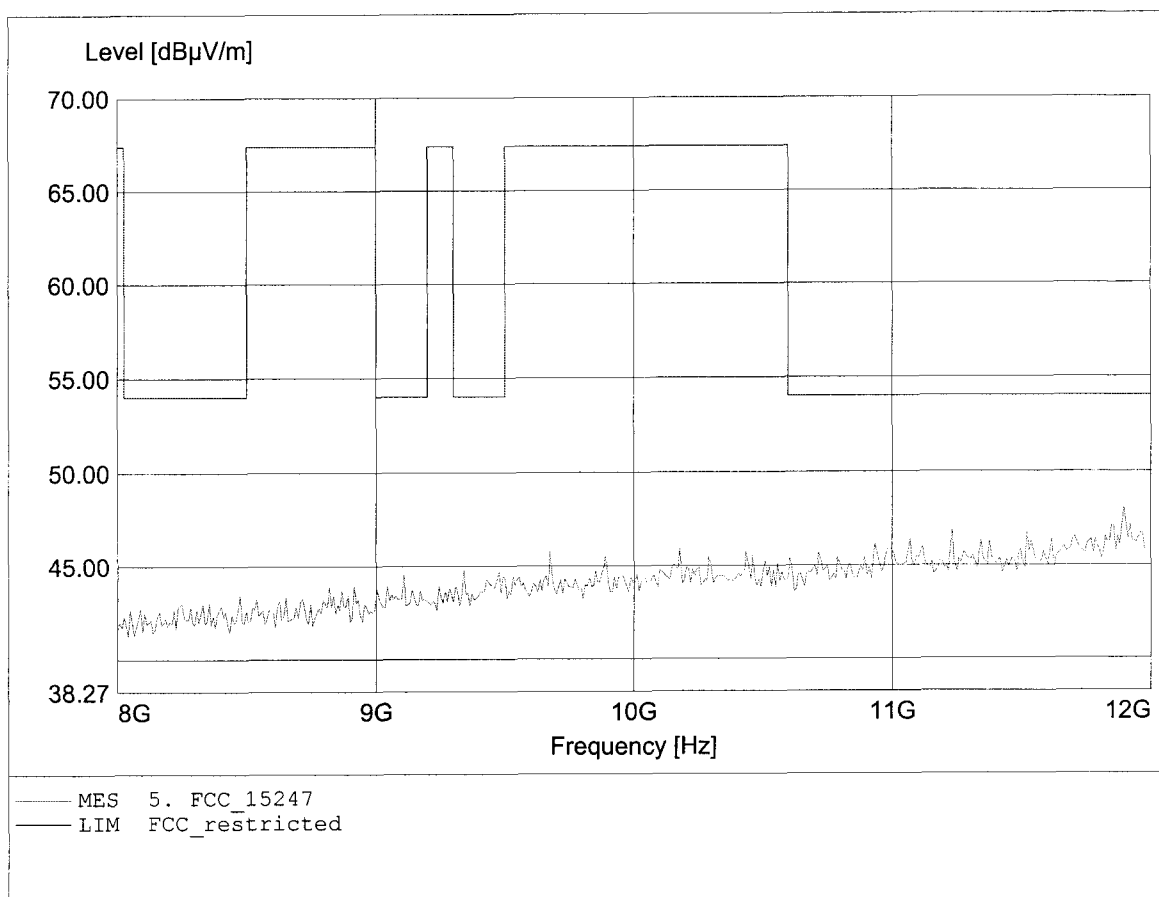
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.968GHz, Emax: 47.70dBµV/m, RBW: 1MHz



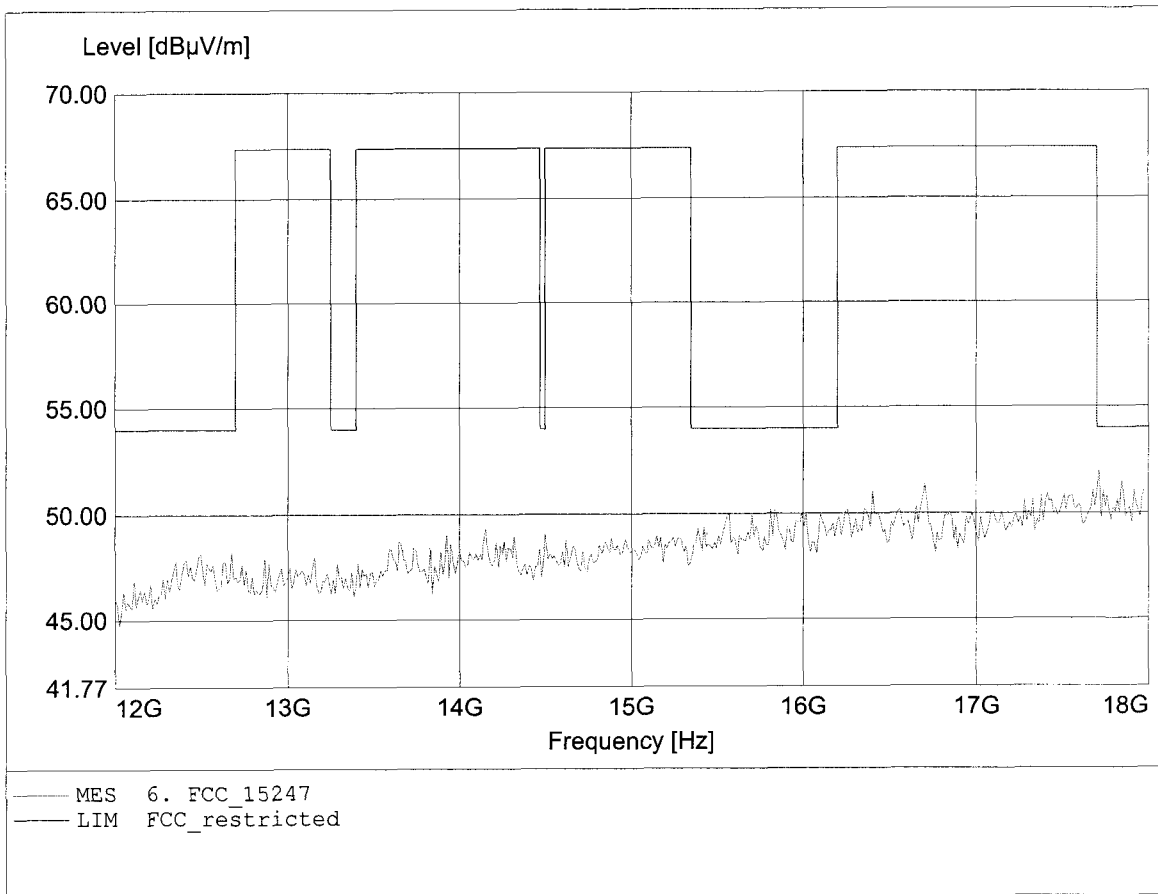
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.896GHz, Emax: 48.07dBµV/m, RBW: 1MHz



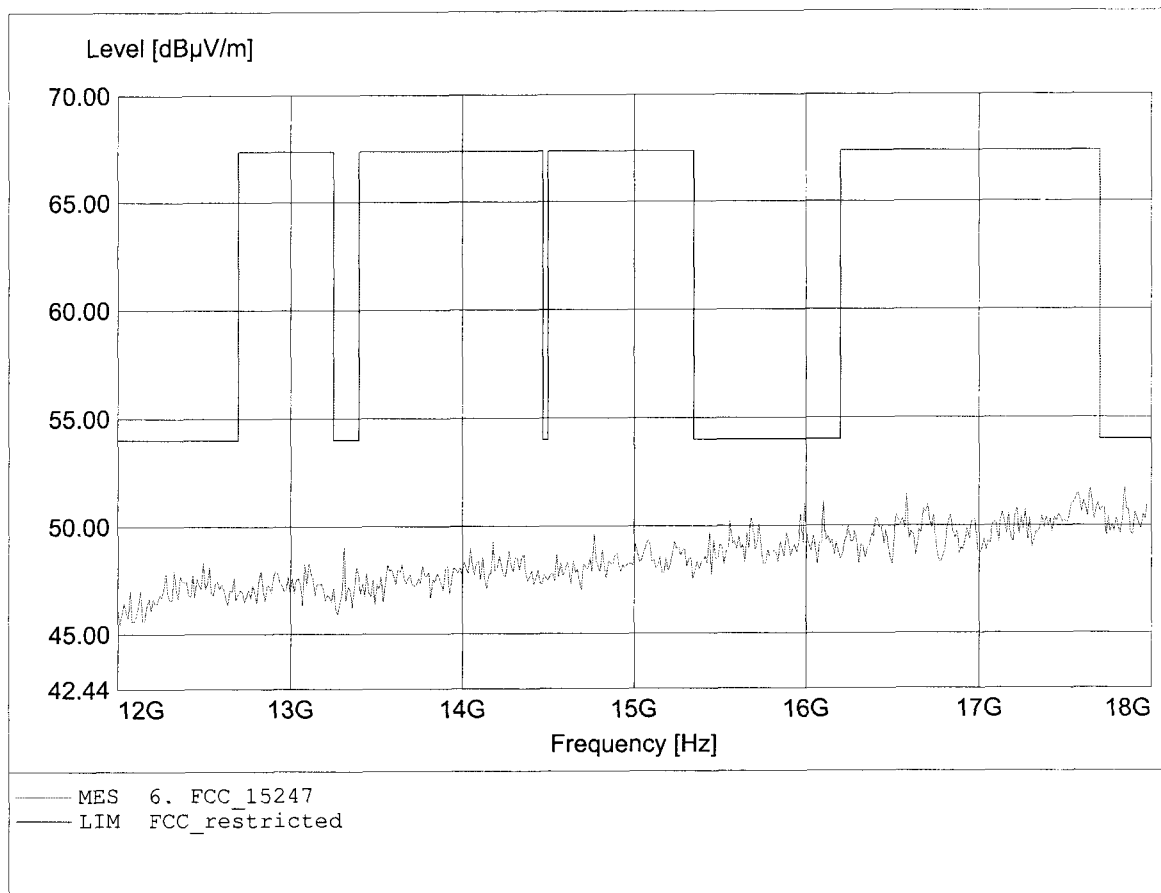
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.711GHz, Emax: 52.01dBµV/m, RBW: 1MHz



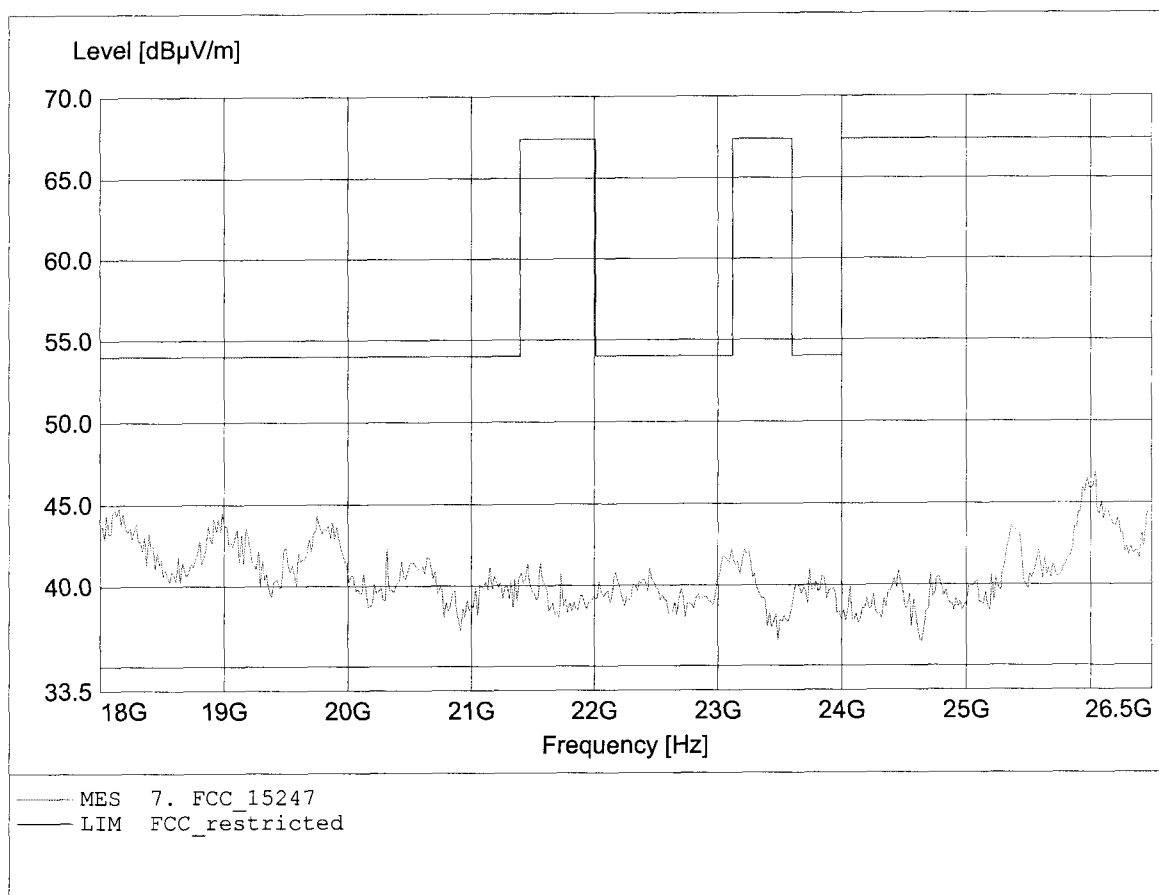
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.844GHz, Emax: 51.79dBµV/m, RBW: 1MHz



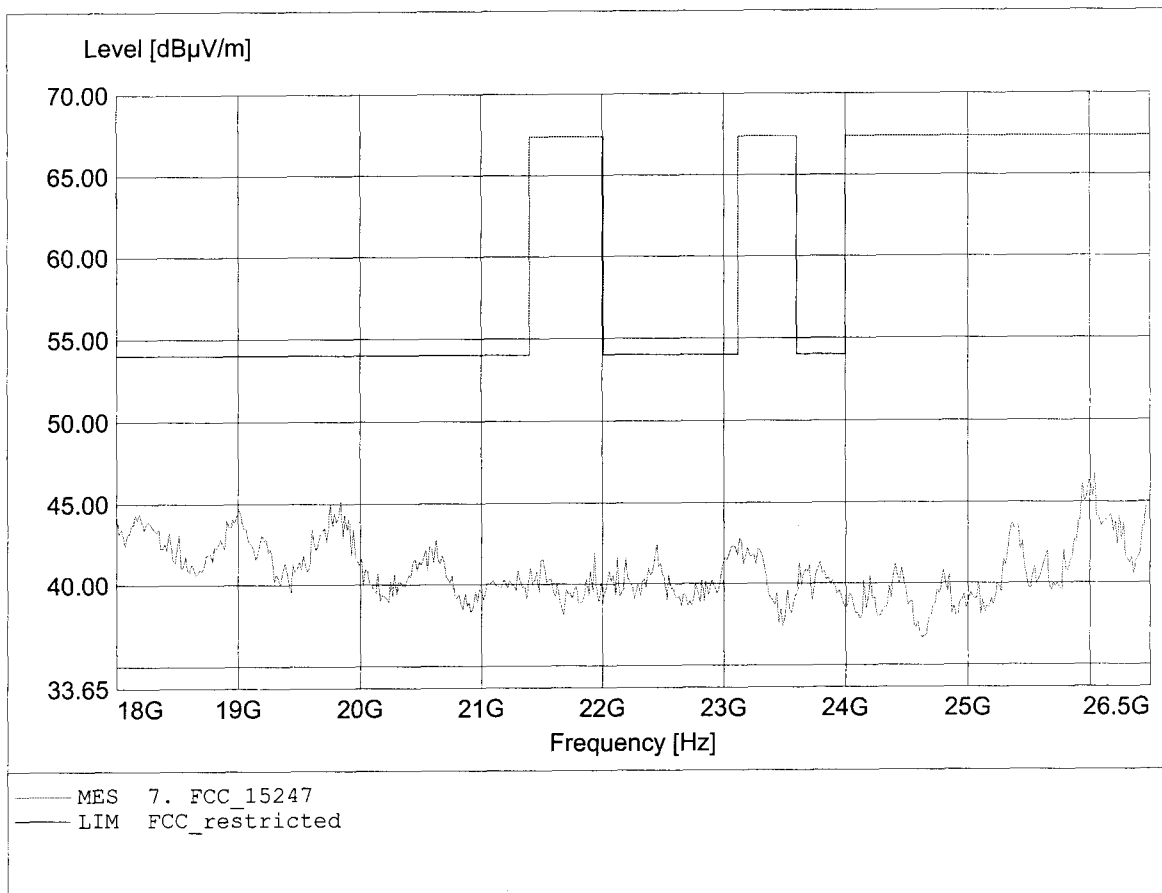
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: GSM20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.040GHz, Emax: 46.88dBµV/m, RBW: 1MHz



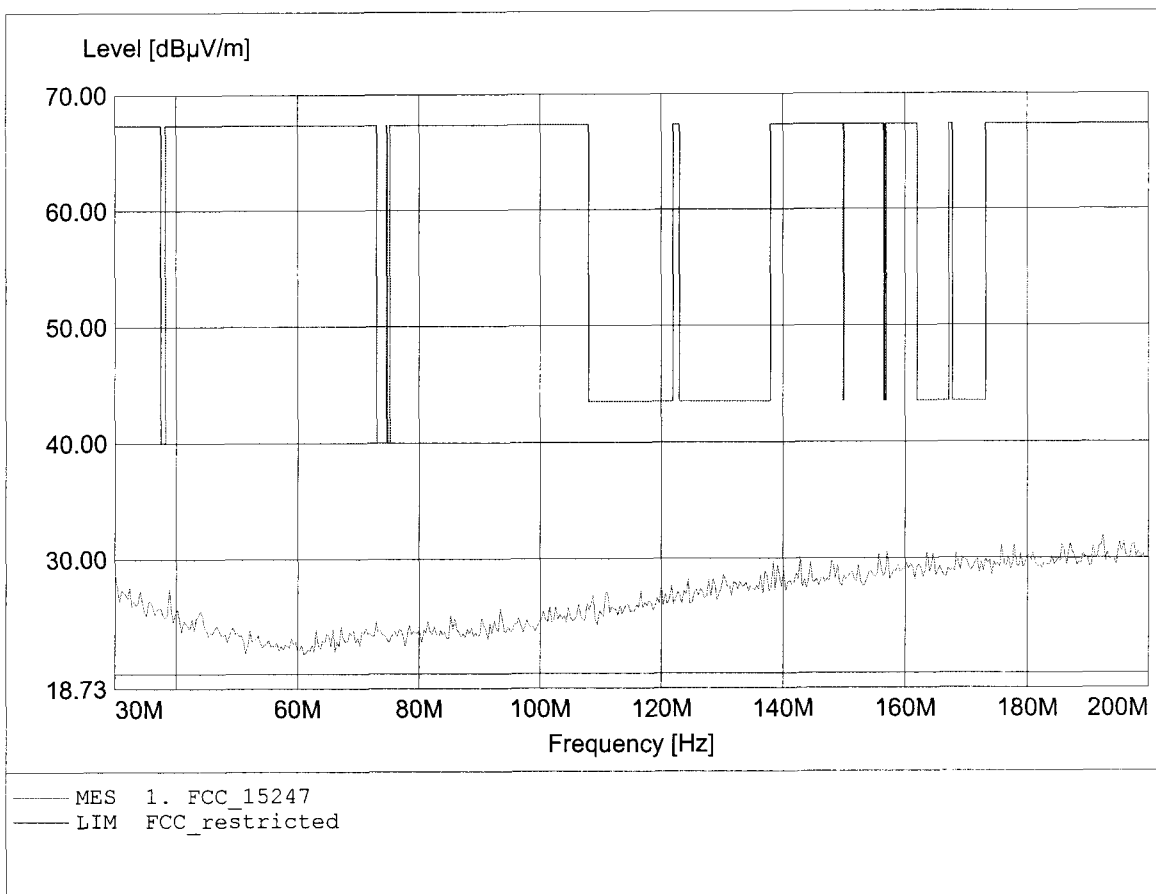
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2441 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.040GHz, Emax: 46.74dBµV/m, RBW: 1MHz



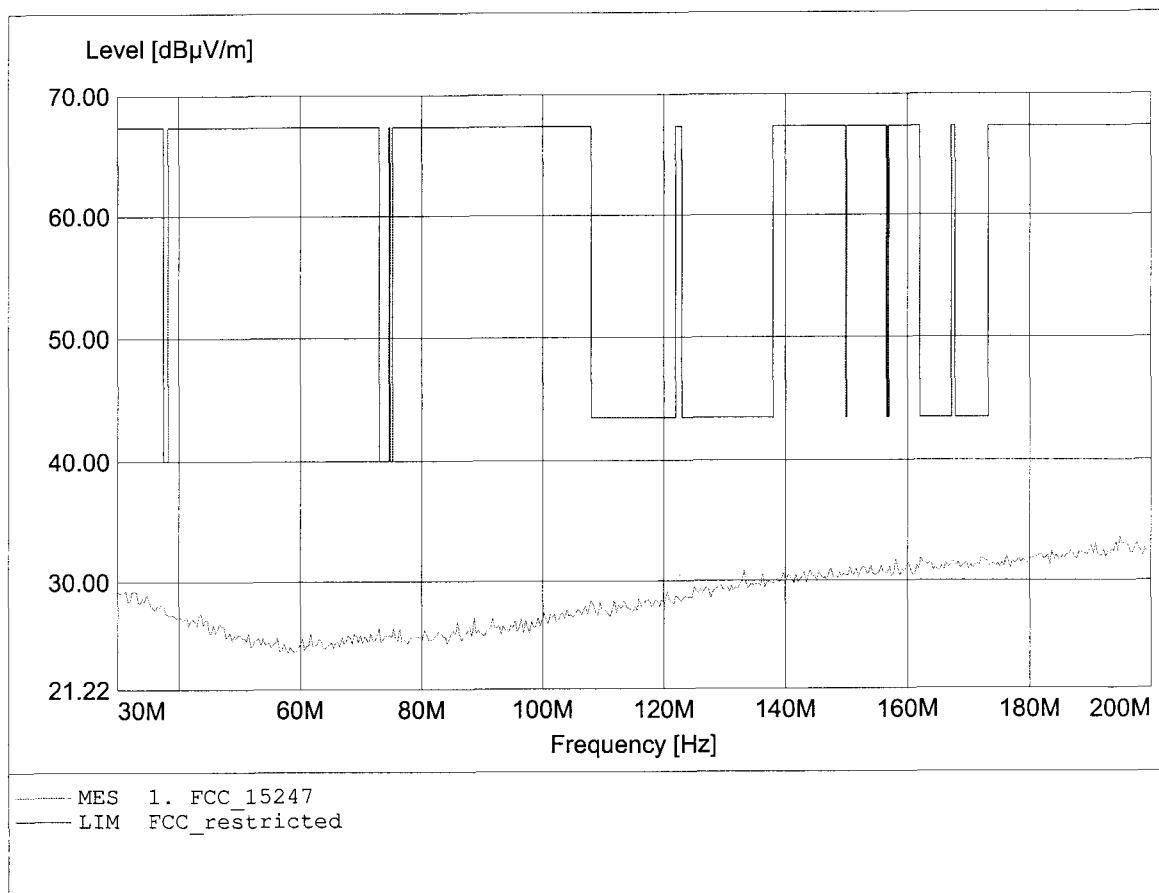
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.505MHz, Emax: 31.99dBµV/m, RBW: 100kHz



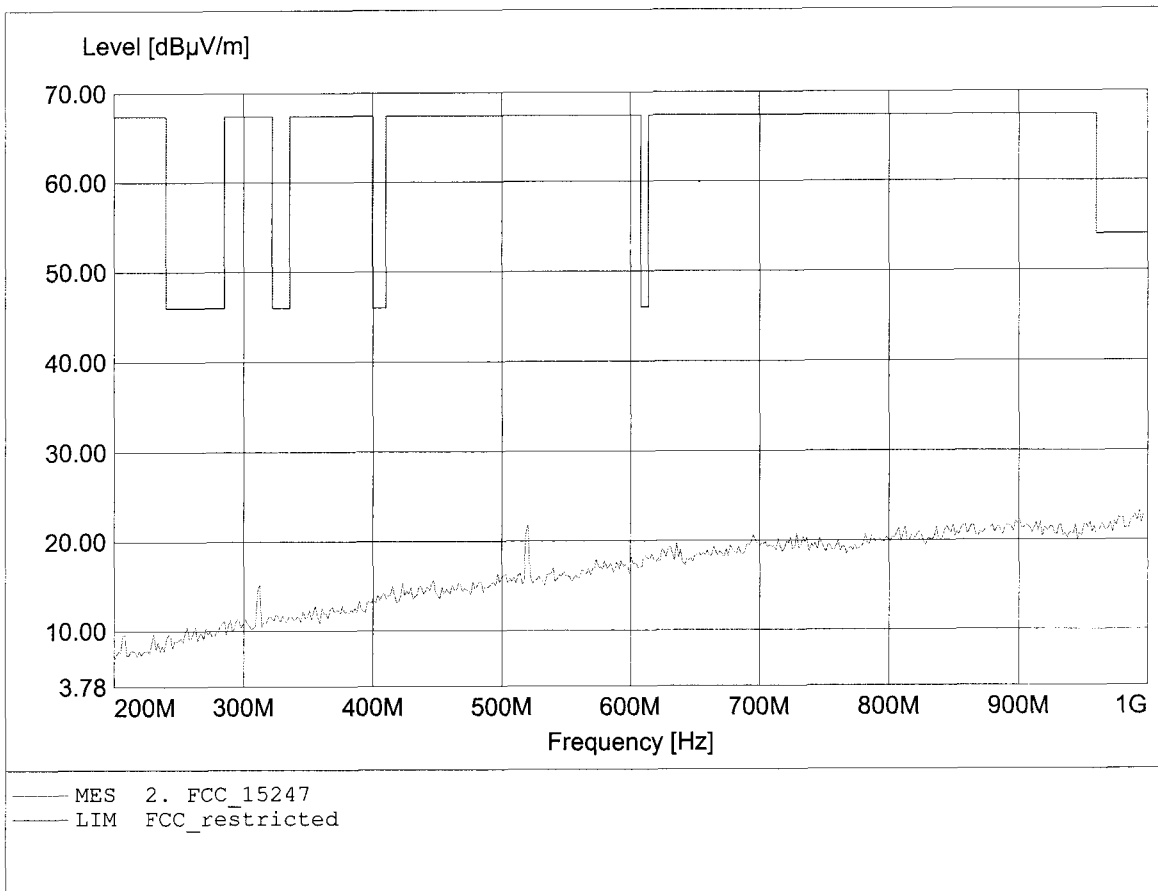
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 194.890MHz, Emax: 33.63dBµV/m, RBW: 100kHz



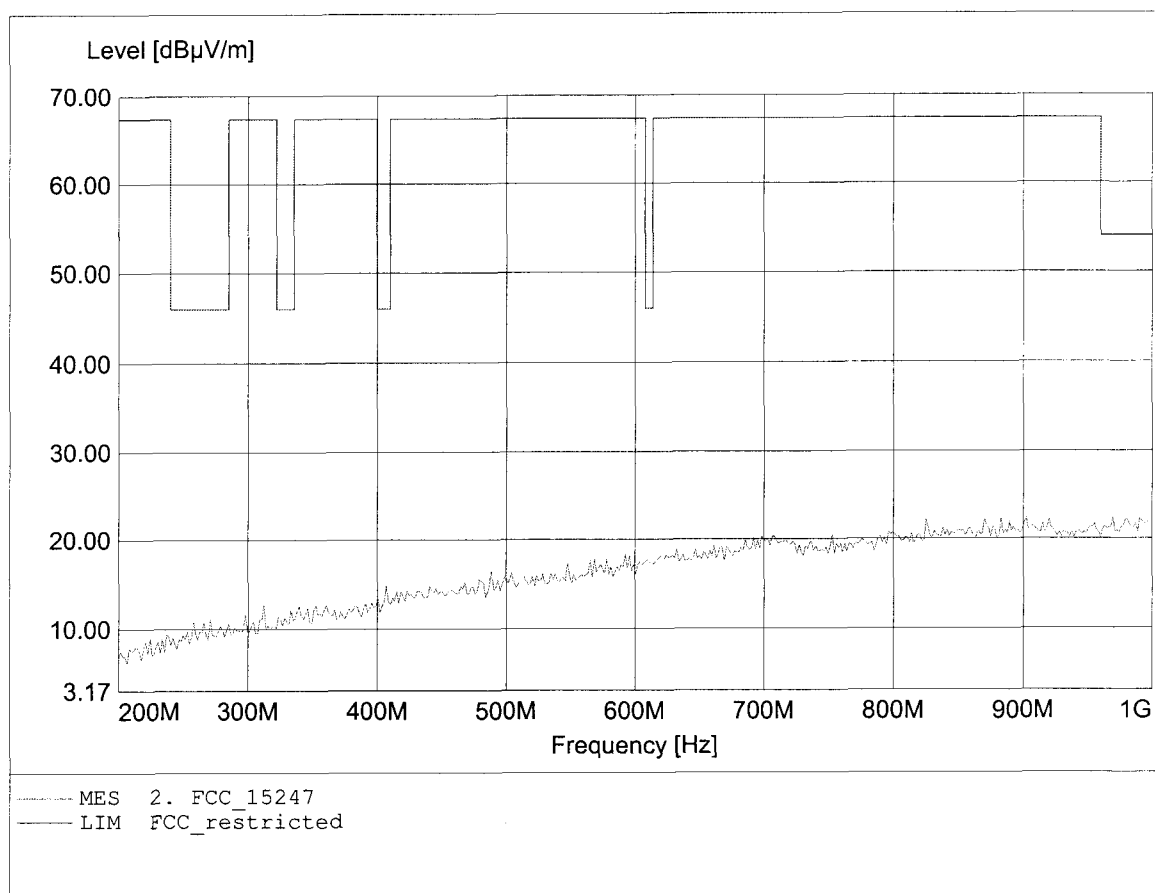
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: GSM20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 993.587MHz, Emax: 23.26dBµV/m, RBW: 100kHz



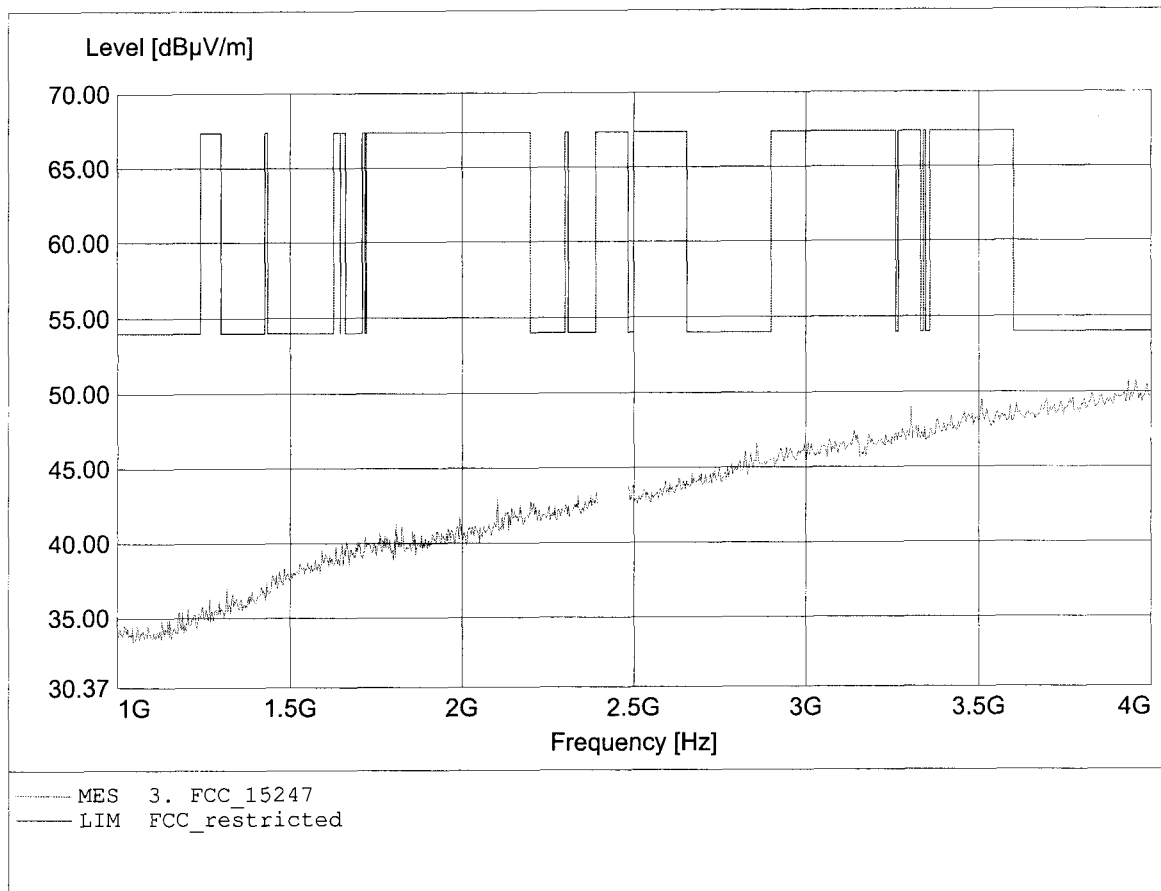
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 969.539MHz, Emax: 22.36dBµV/m, RBW: 100kHz



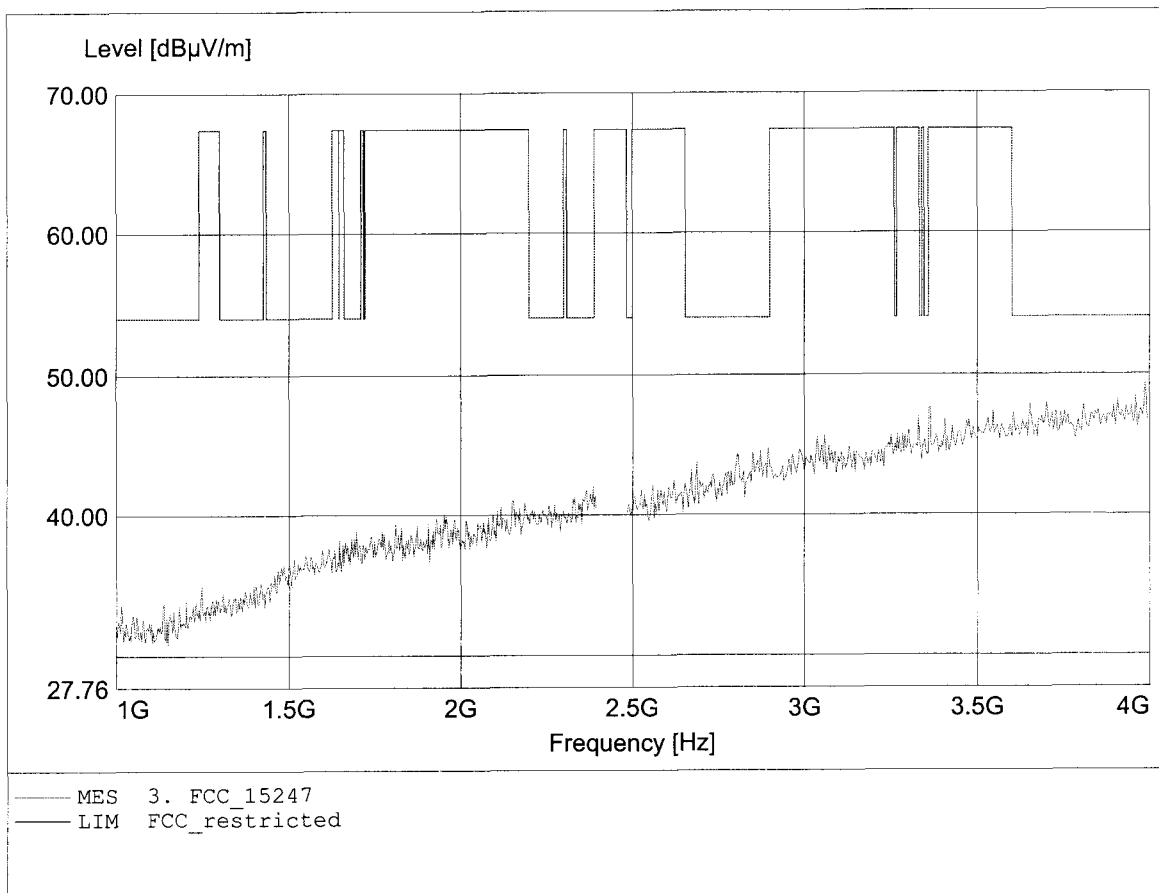
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: GSM20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.933GHz, Emax: 50.71dBµV/m, RBW: 1MHz



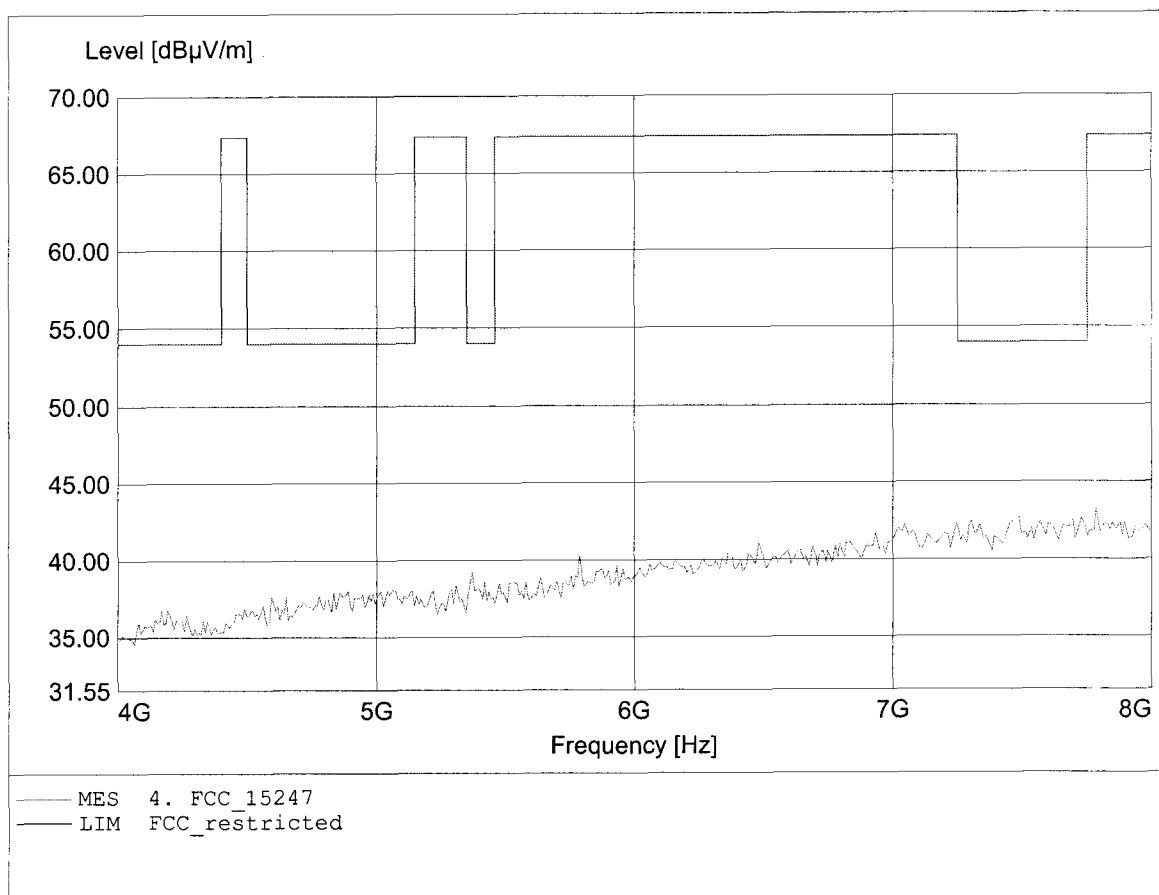
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 3.988GHz, Emax: 49.40dBµV/m, RBW: 1MHz



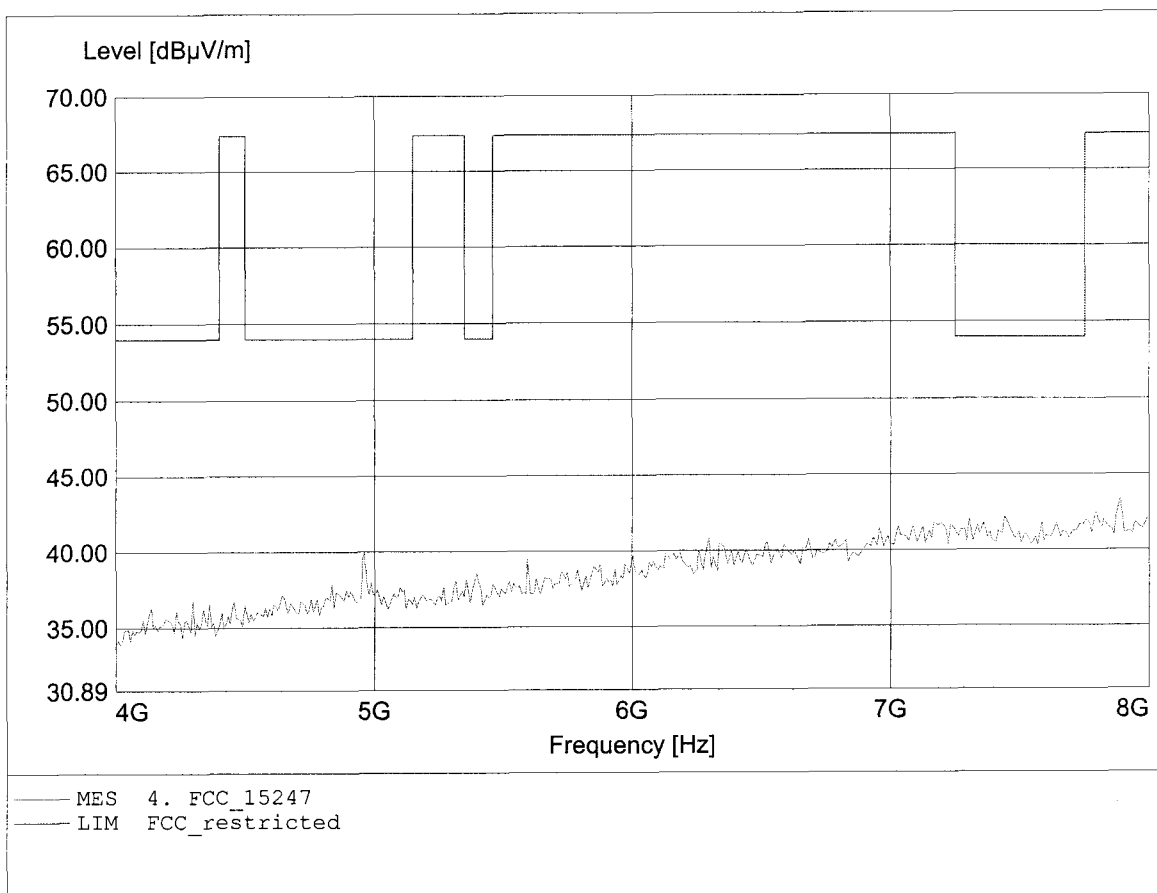
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.784GHz, Emax: 43.21dBµV/m, RBW: 1MHz



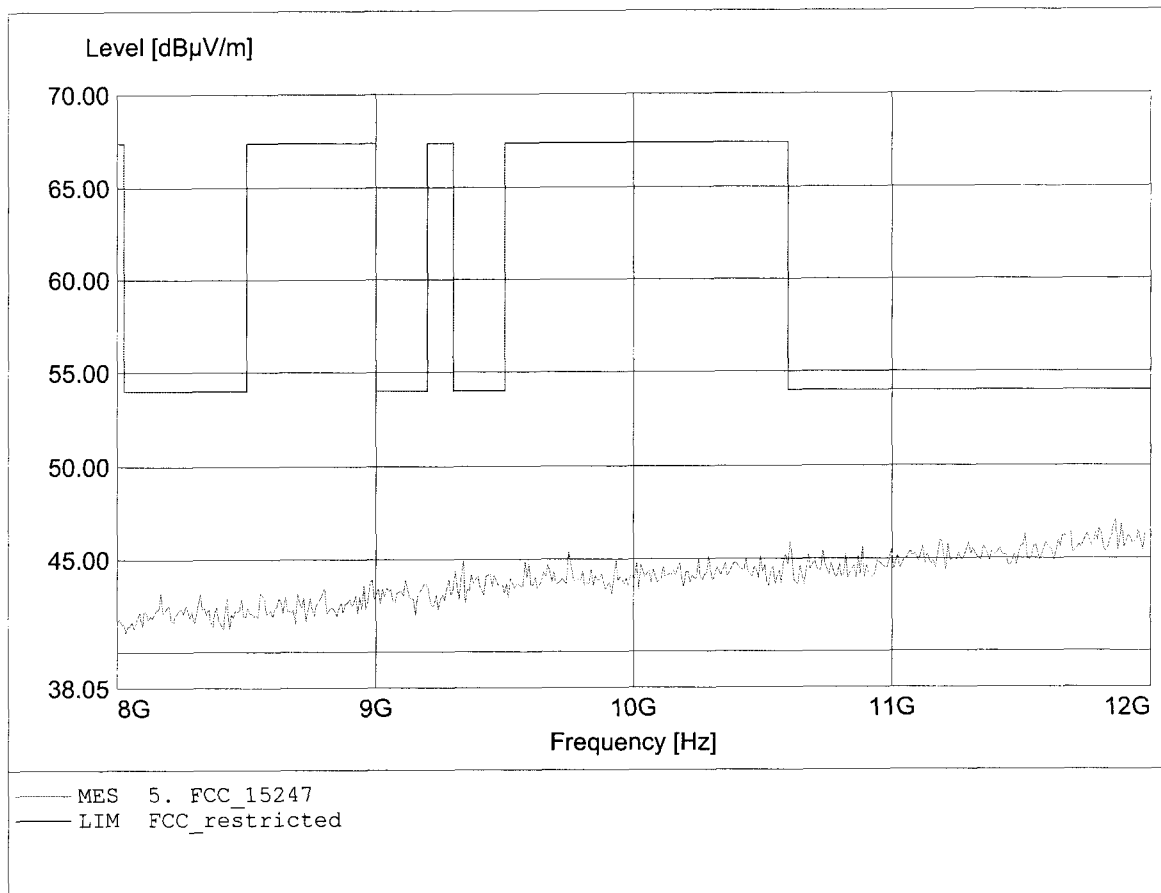
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.888GHz, Emax: 43.44dBµV/m, RBW: 1MHz



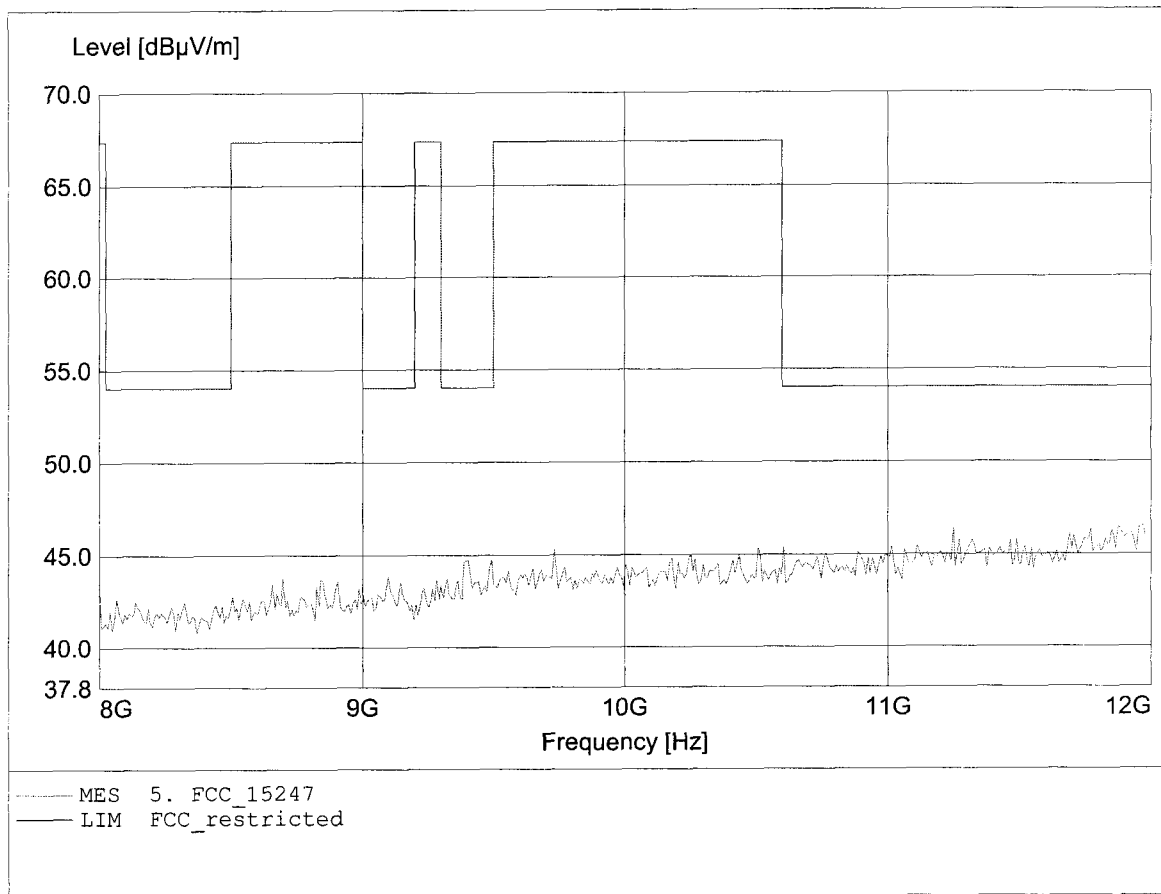
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.864GHz, Emax: 47.07dBμV/m, RBW: 1MHz



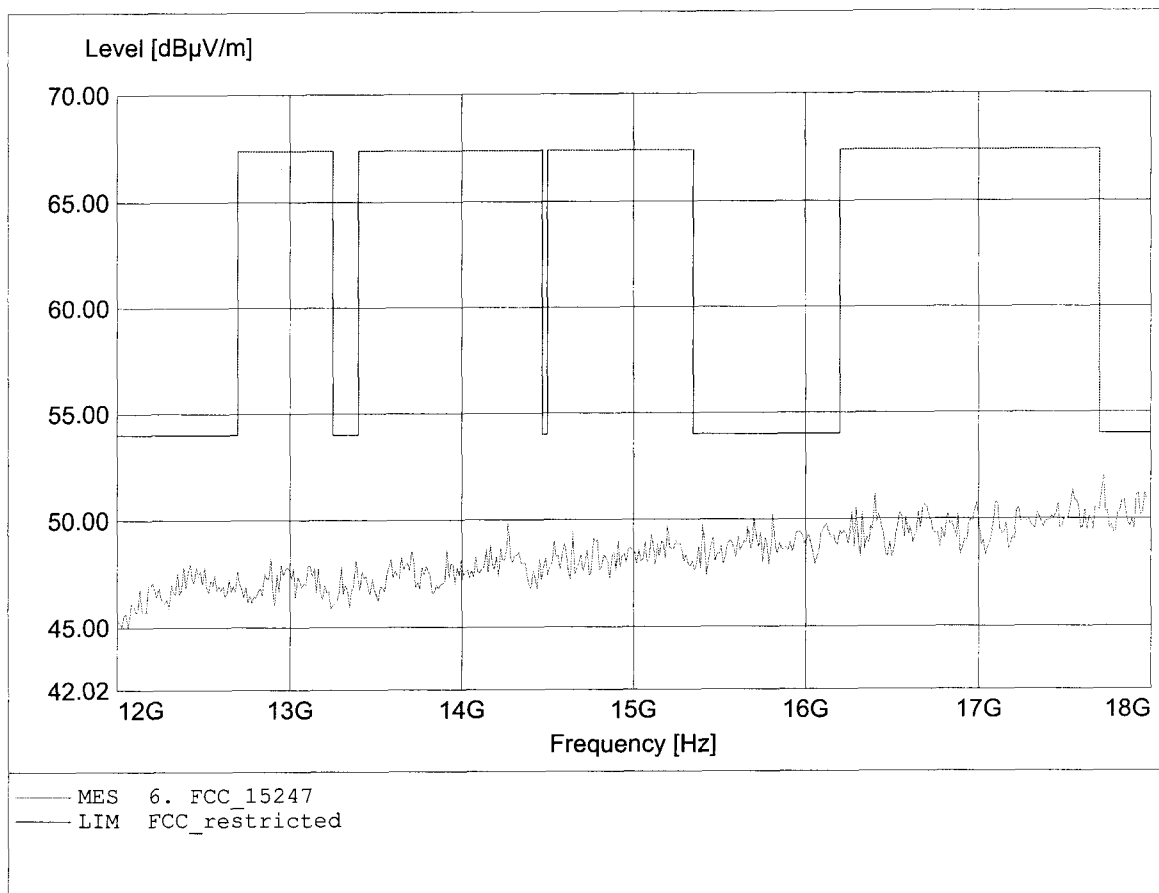
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.968GHz, Emax: 46.50dBµV/m, RBW: 1MHz



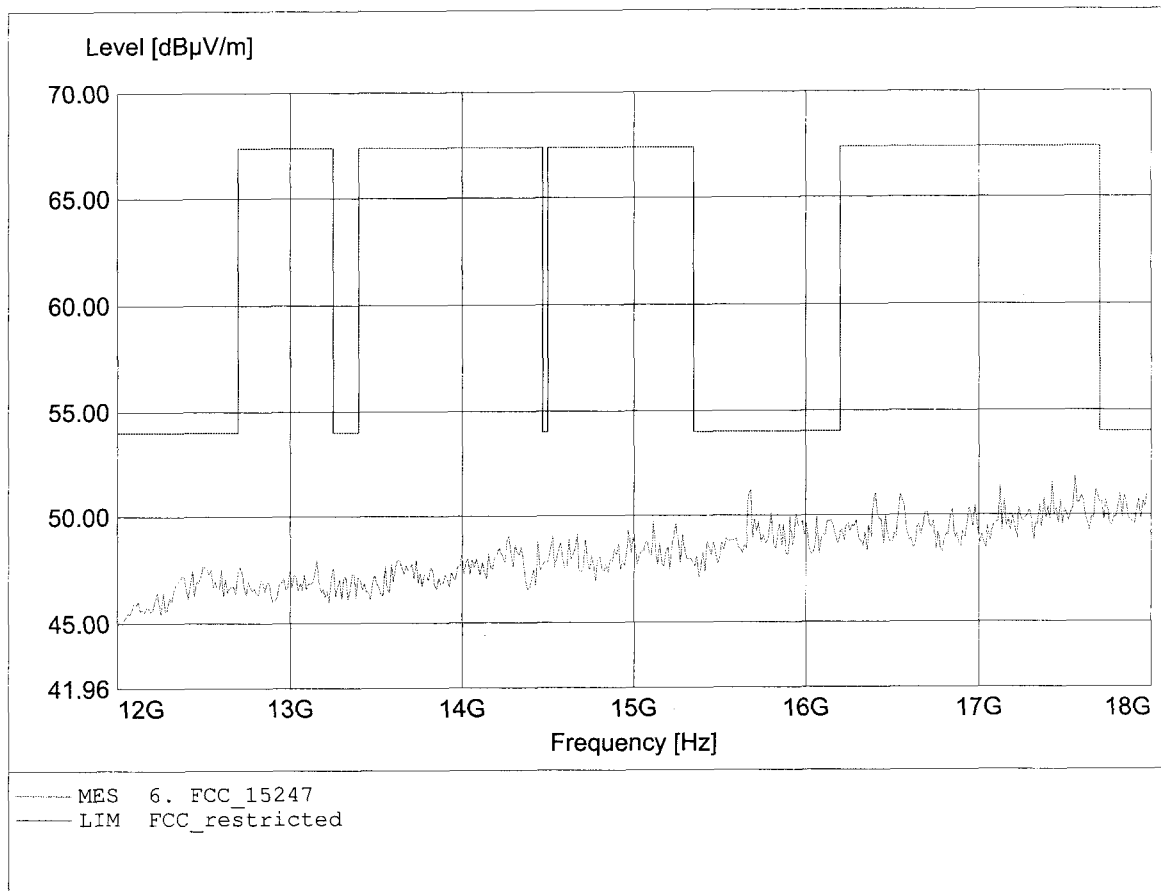
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: GSM20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.723GHz, Emax: 52.01dBµV/m, RBW: 1MHz



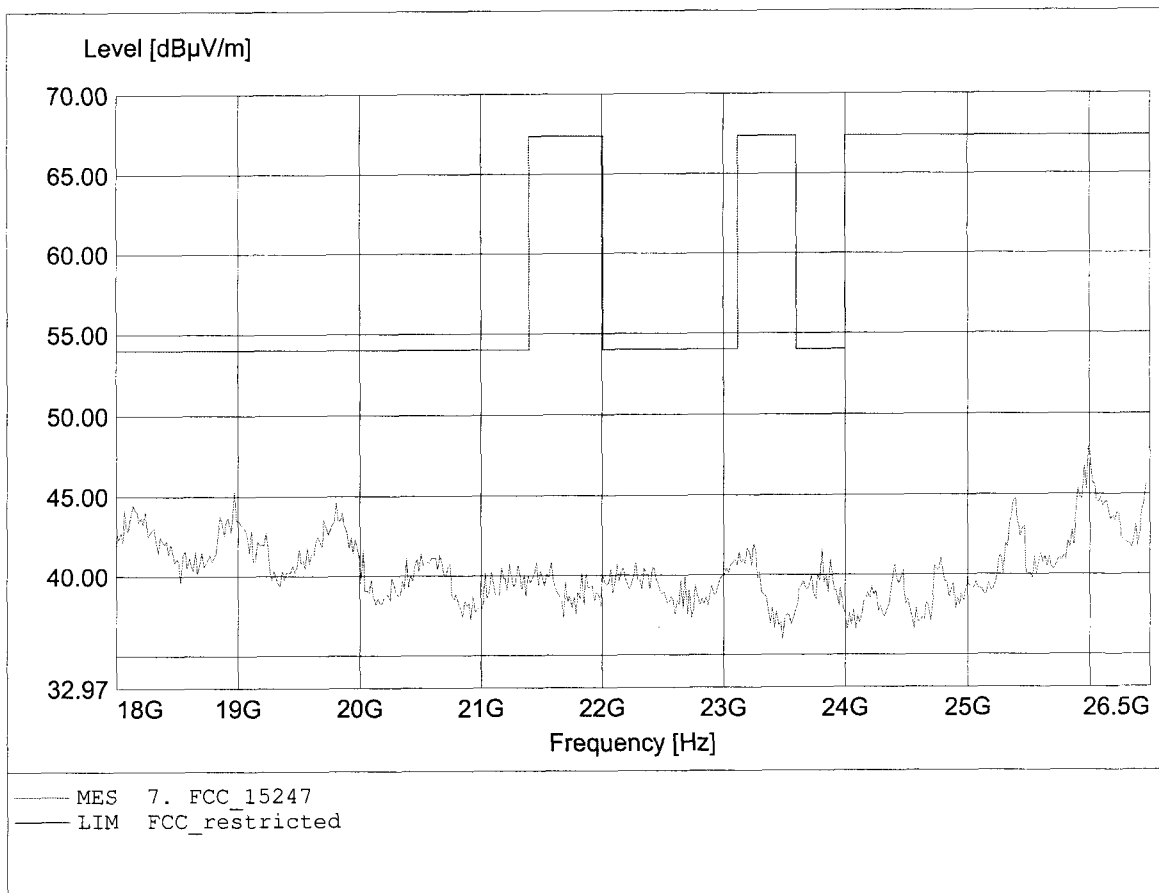
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.555GHz, Emax: 51.80dBμV/m, RBW: 1MHz



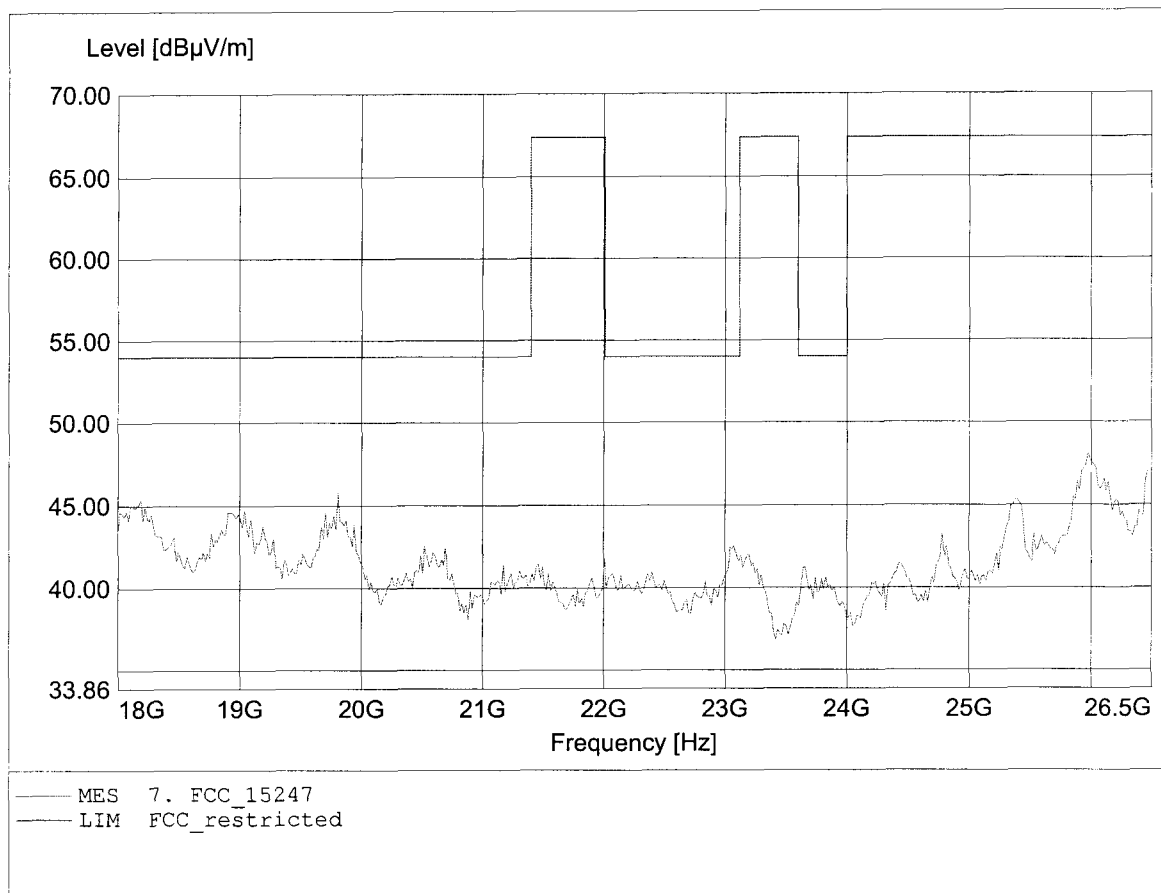
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.989GHz, Emax: 48.01dBµV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Appr. Hold. / Model: PANTECH CO., LTD. / C520
EUT: QUAD BAND GSM850/GSM900/DCS1800/PCS1900 (WITH WAP & GPRS)
Order-No.: G5M20711-0017 / Frequency: 2480 MHz
Test Site / Operator: ETS Product Service AG / Mr. Schlaps
Operating Conditions: 23°C / Unom.: 120 V AC (AC/DC-ADAPTOR)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.972GHz, Emax: 48.11dBµV/m, RBW: 1MHz



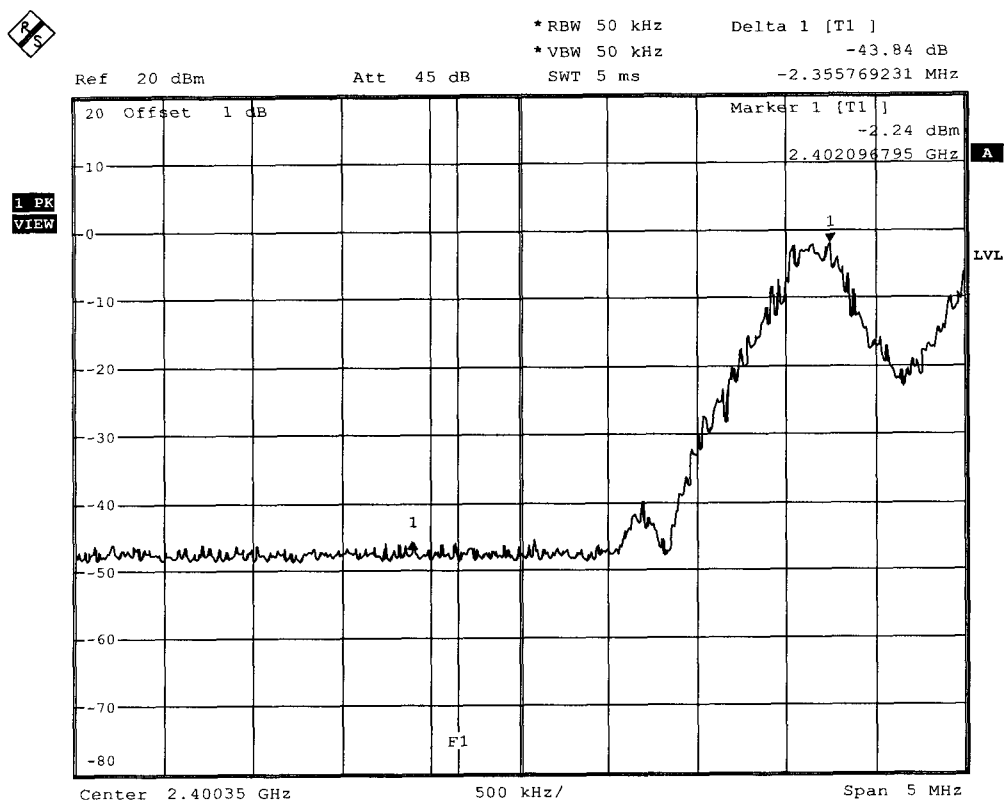
Appendix J

Band-edge compliance

FCC part 15.247

Band-edge compliance of RF conducted emissions

EUT	GSM PHONE
Model	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Hopping mode



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

Date: 21.NOV.2007 10:07:25

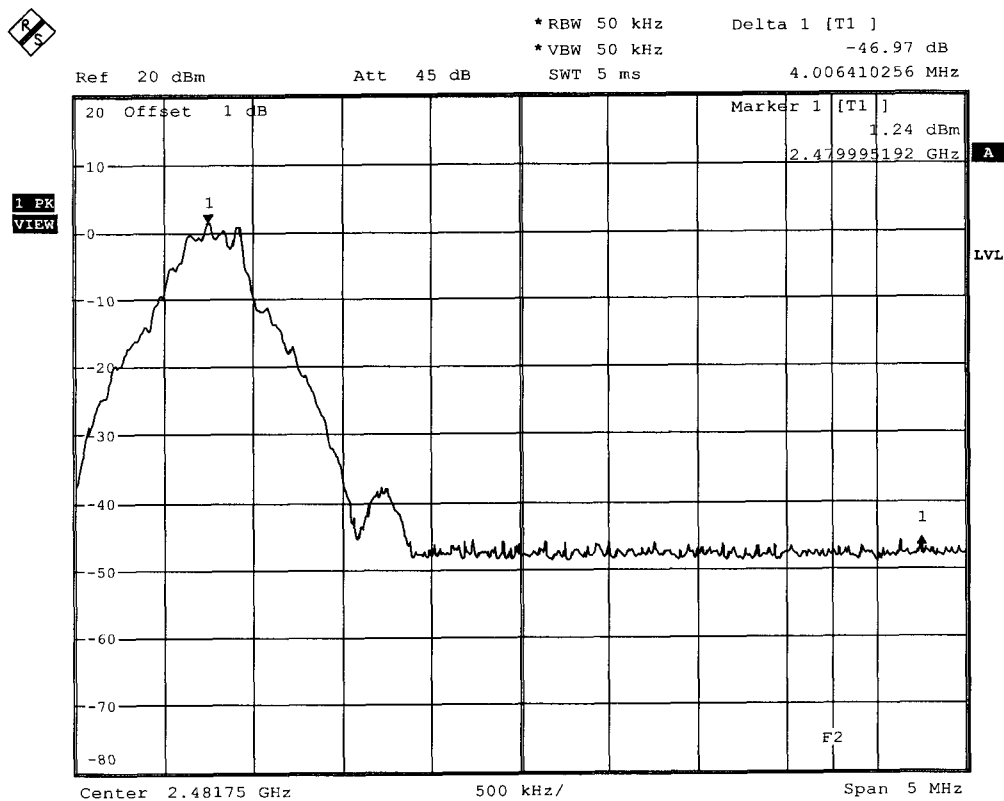
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Single frequency mode



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

Date: 21.NOV.2007 10:05:04

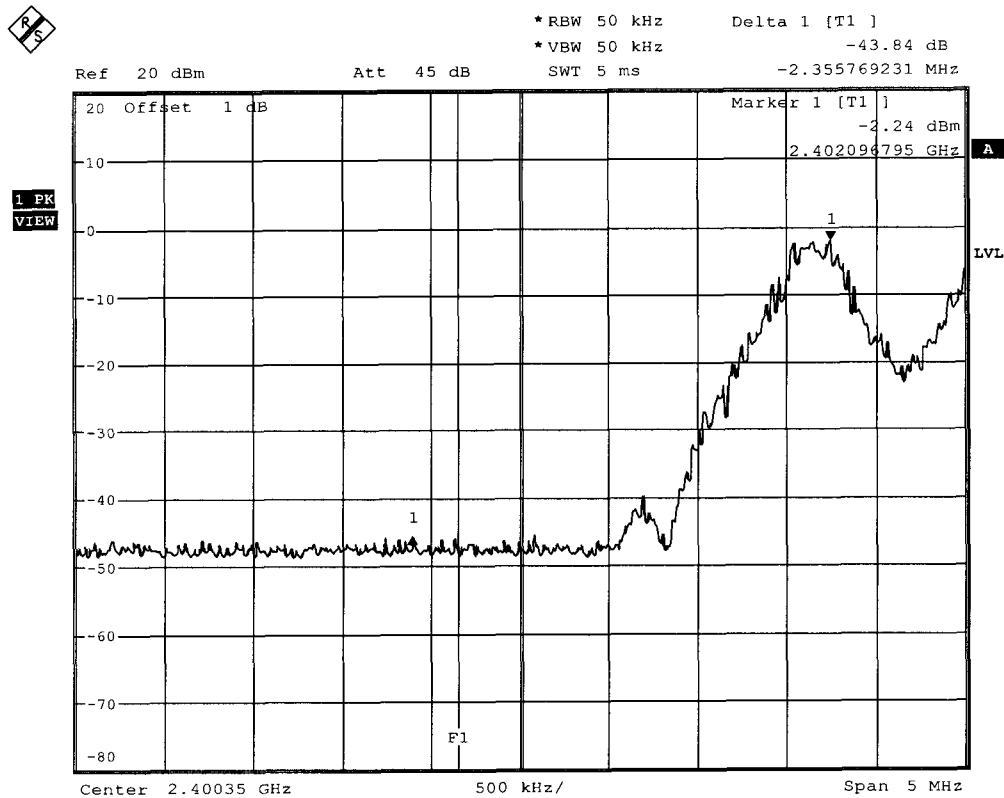
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Hopping mode



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

Date: 21.NOV.2007 10:07:25

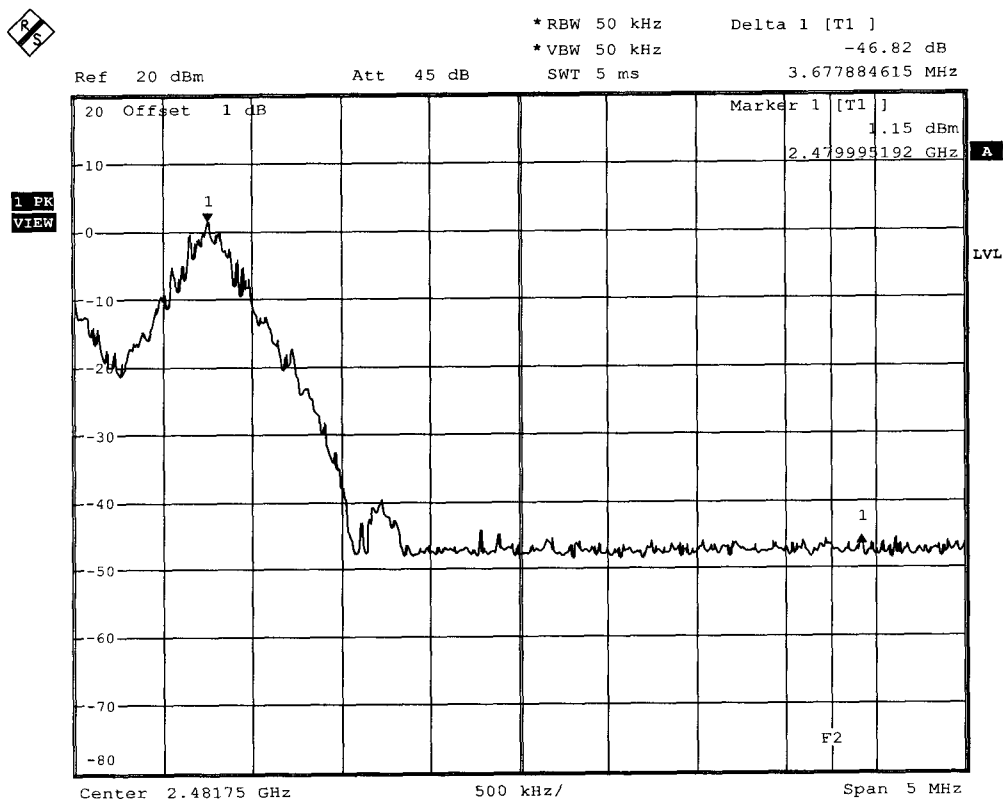
Measurement diagram

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	C520
Approval Holder	Pantech Co, Ltd.
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Hopping mode



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

Date: 21.NOV.2007 10:09:51

Measurement diagram

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

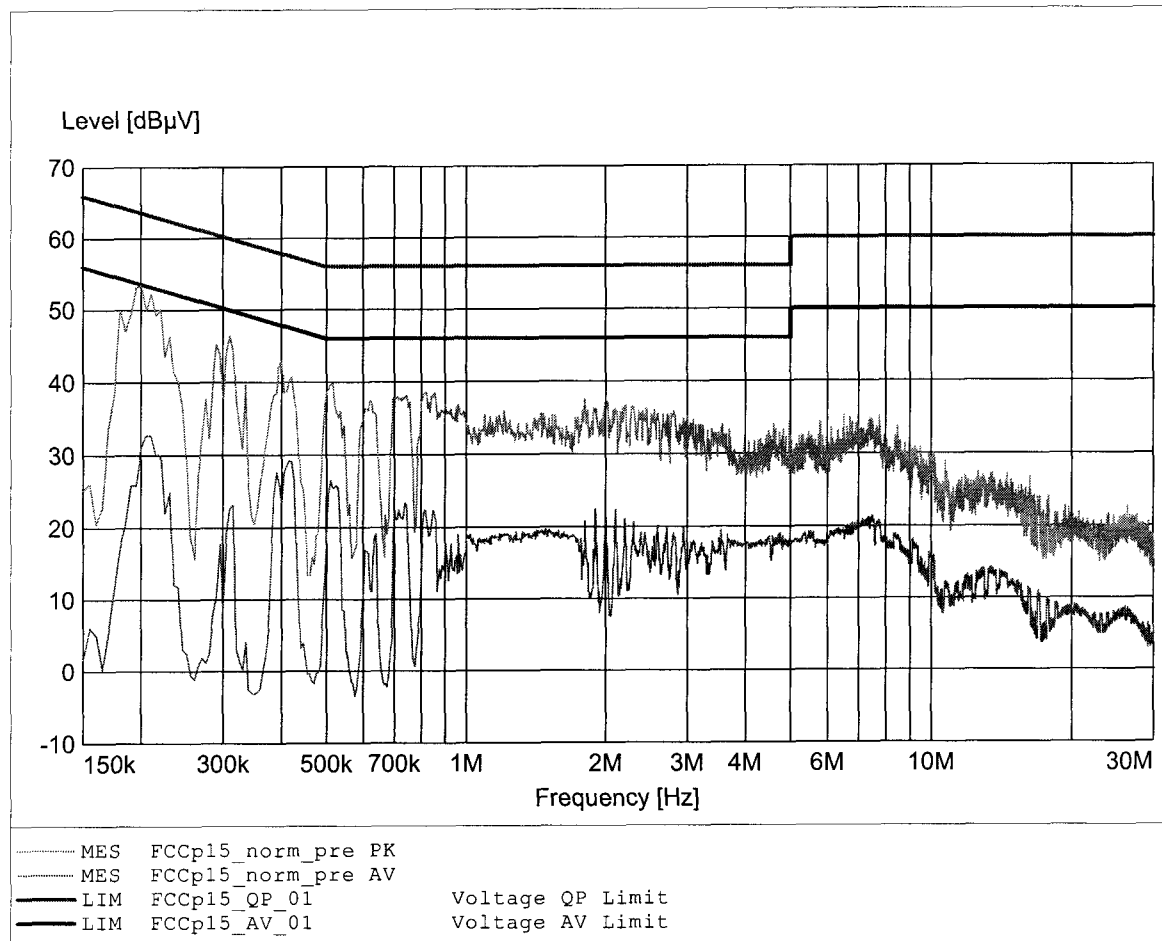
Page 1 of 1

Appendix K

AC power line conducted emissions

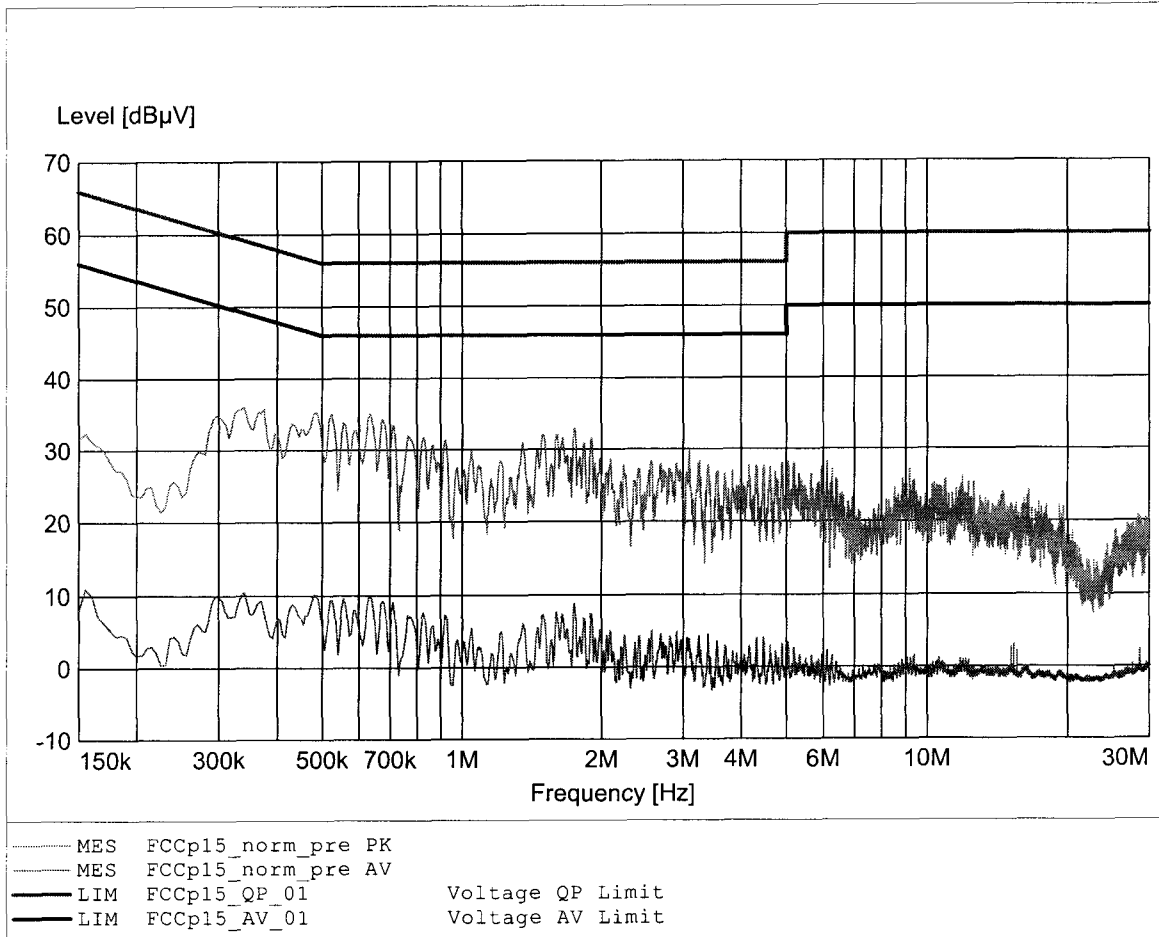
**EMI voltage test in the ac-mains according to FCC part 15
to FCC part 15**

EUT: GSM PHONE
Manufacturer: Pantech Co., Ltd.
Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5 (N)
Comment: model: C520
adaptor: PTA-5070C9US



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

EUT: GSM PHONE
Manufacturer: Pantech Co., Ltd.
Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: C520
adaptor: PTA-5070C9US



Appendix L

Receiver radiated emissions