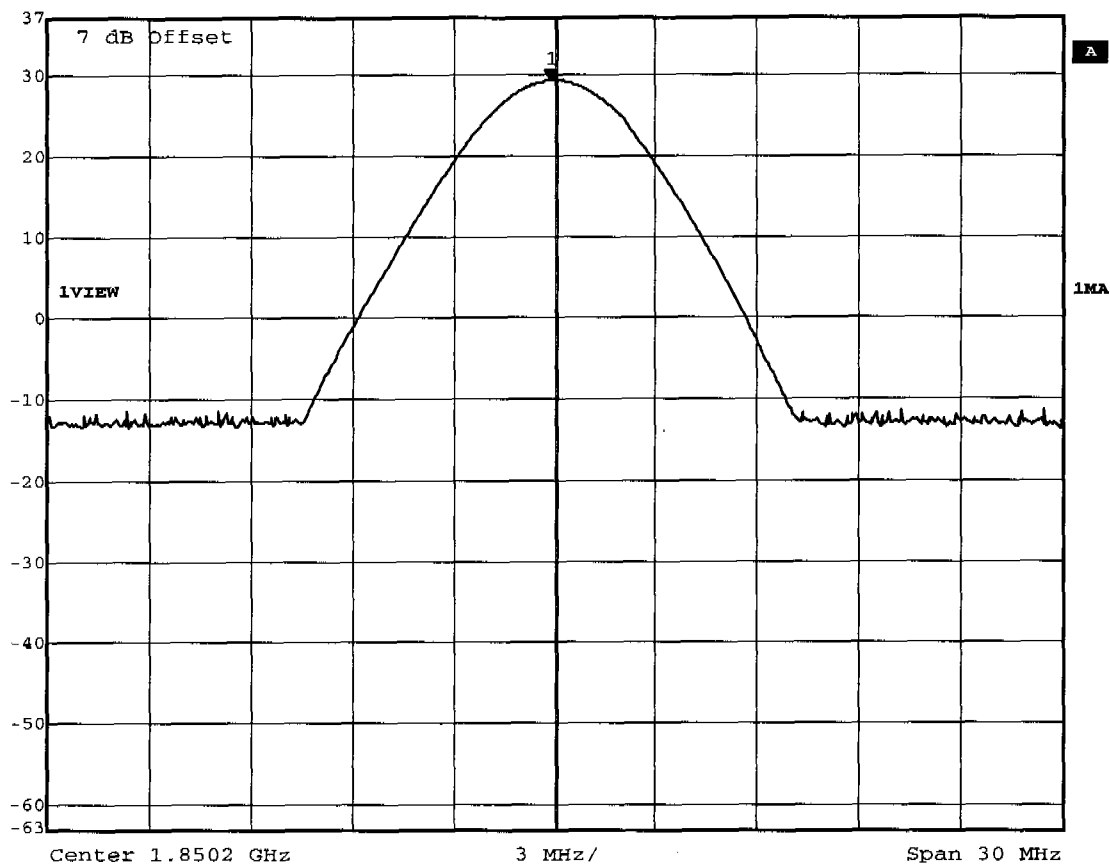


Appendix B

RF Power Output



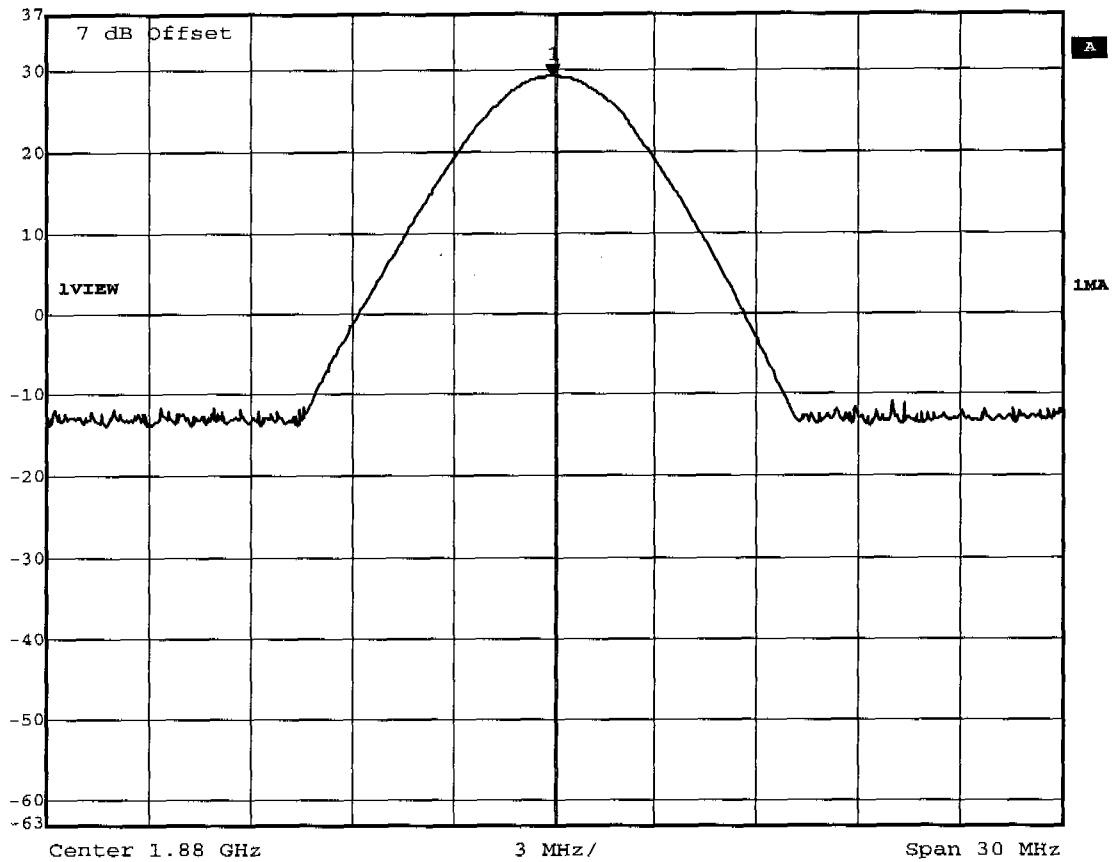
Marker 1 [T1] RBW 3 MHz RF Att 60 dB
Ref Lvl 29.09 dBm VBW 3 MHz
37 dBm 1.85010982 GHz SWT 5 ms Unit dBm



Title: Output Power Conducted Channel 512
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:34:59



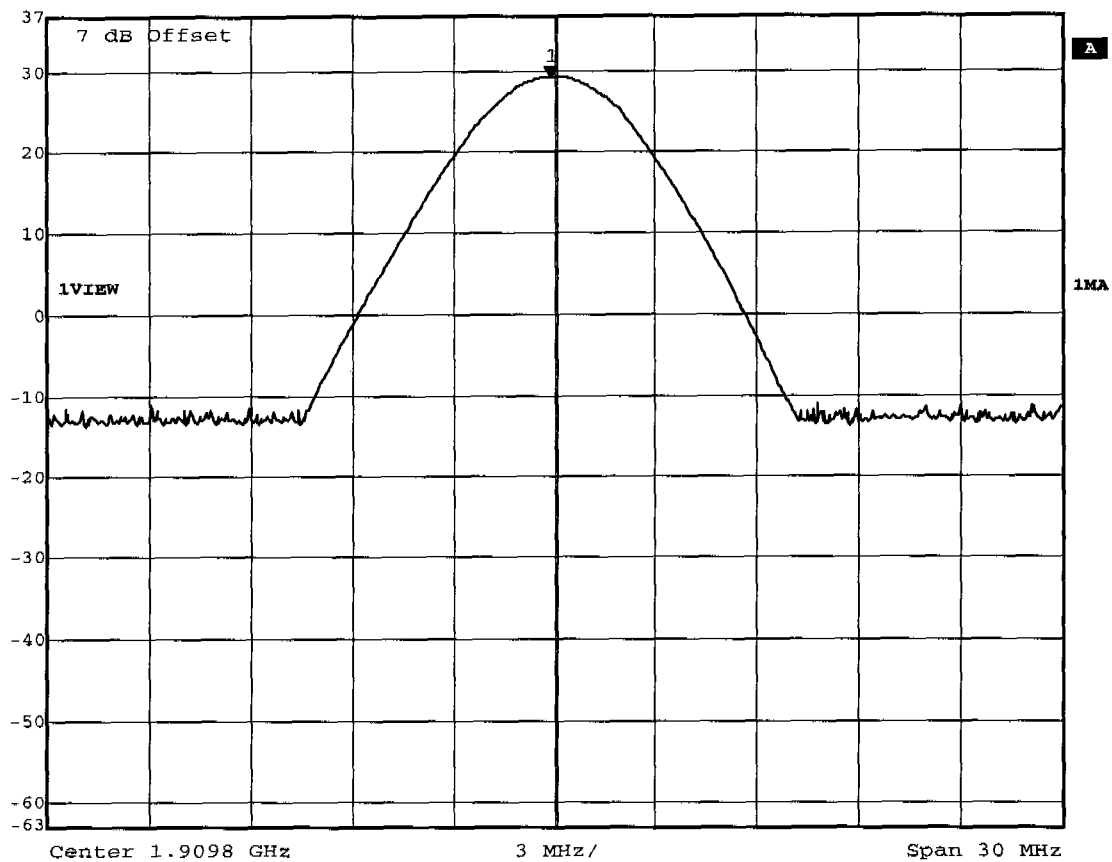
Marker 1 [T1] RBW 3 MHz RF Att 60 dB
Ref Lvl 29.07 dBm VBW 3 MHz
37 dBm 1.87996994 GHz SWT 5 ms Unit dBm



Title: Output Power Conducted Channel 661
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:36:12



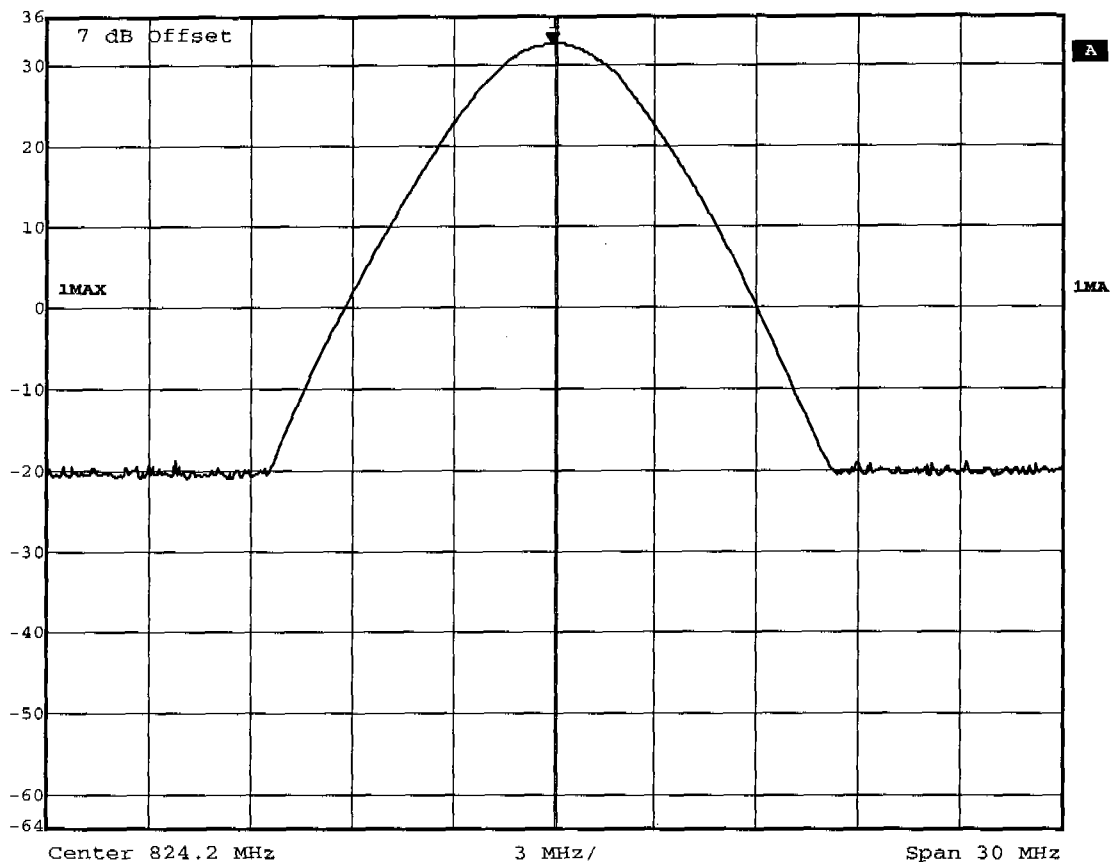
Marker 1 [T1] RBW 3 MHz RF Att 60 dB
Ref Lvl 29.19 dBm VBW 3 MHz
37 dBm 1.90970982 GHz SWT 5 ms Unit dBm



Title: Output Power Conducted Channel 810
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:37:29



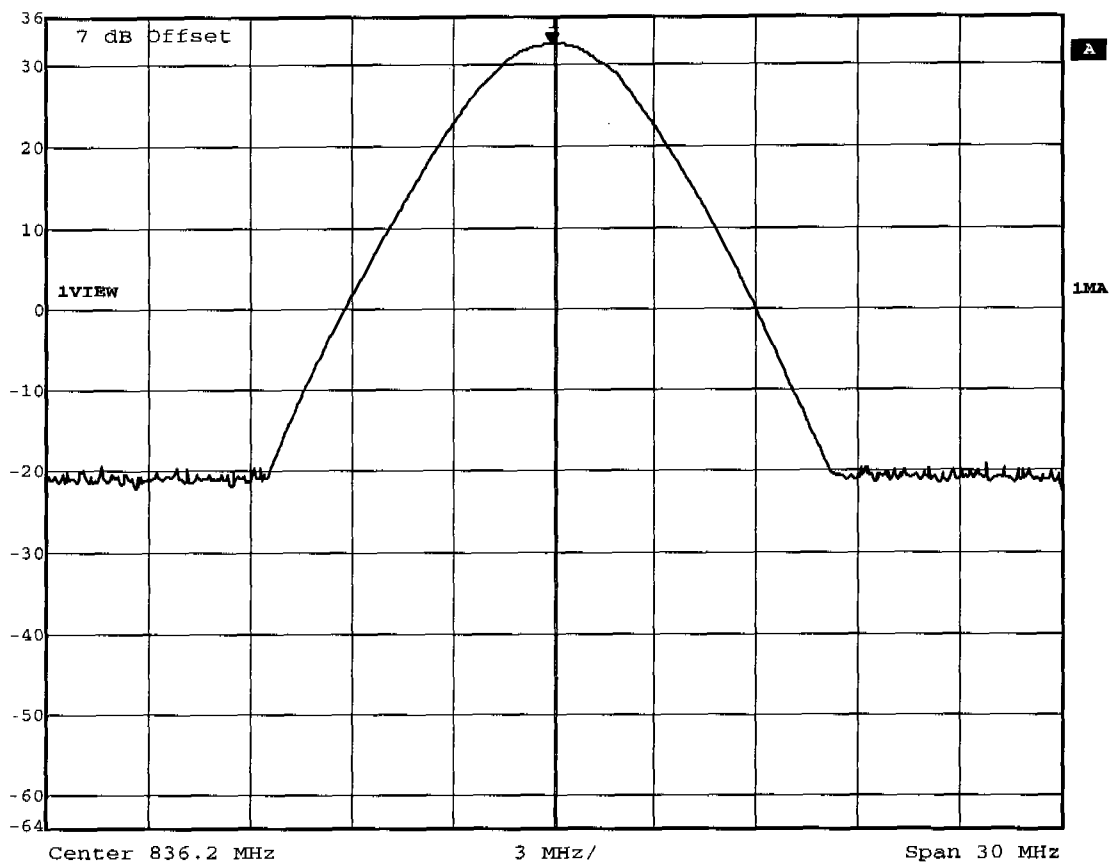
Marker 1 [T1] RBW 3 MHz RF Att 50 dB
Ref Lvl 32.34 dBm VBW 3 MHz
36 dBm 824.16993988 MHz SWT 5 ms Unit dBm



Title: Output Power Conducted Channel 128
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:18:51



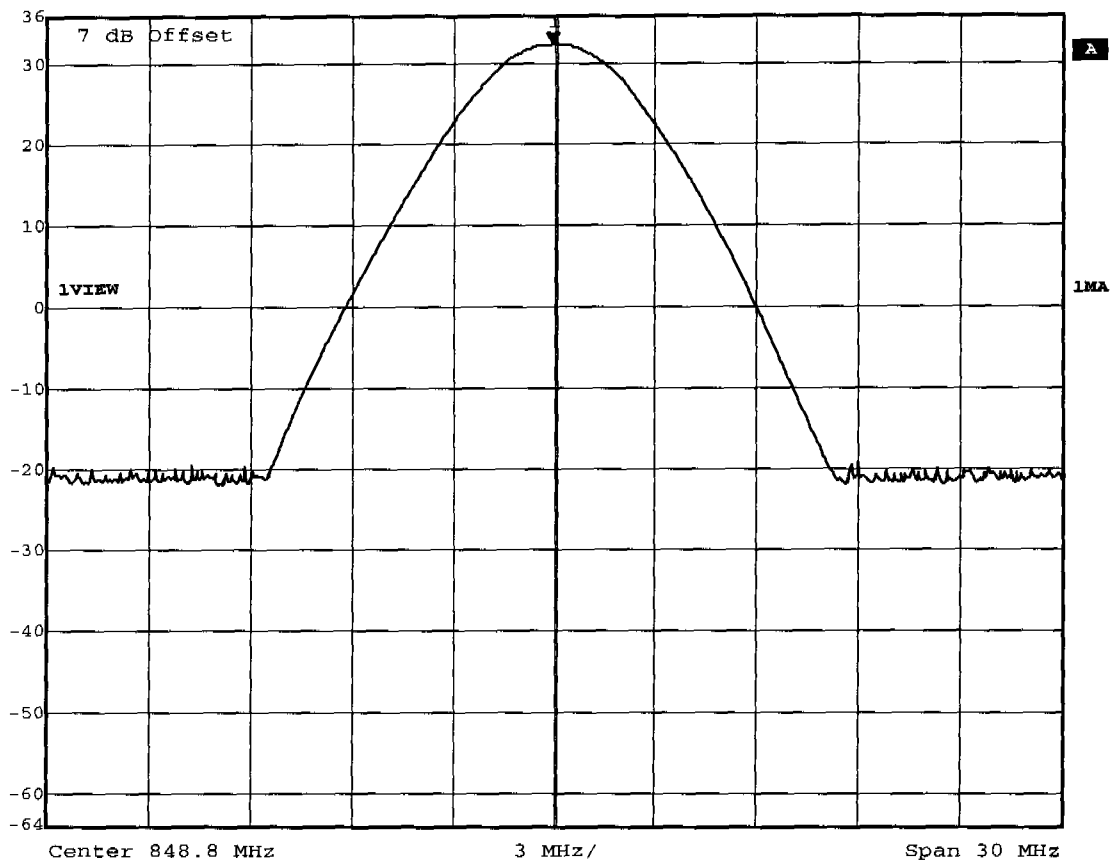
Marker 1 [T1] RBW 3 MHz RF Att 50 dB
Ref Lvl 32.35 dBm VBW 3 MHz
36 dBm 836.16993988 MHz SWT 5 ms Unit dBm



Title: Output Power Conducted Channel 188
Comment A: GB310 - Dual Band GSM PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:22:57



Marker 1 [T1] RBW 3 MHz RF Att 50 dB
Ref Lvl 32.25 dBm VBW 3 MHz
36 dBm 848.76993988 MHz SWT 5 ms Unit dBm



Title: Output Power Conducted Channel 251
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:24:55

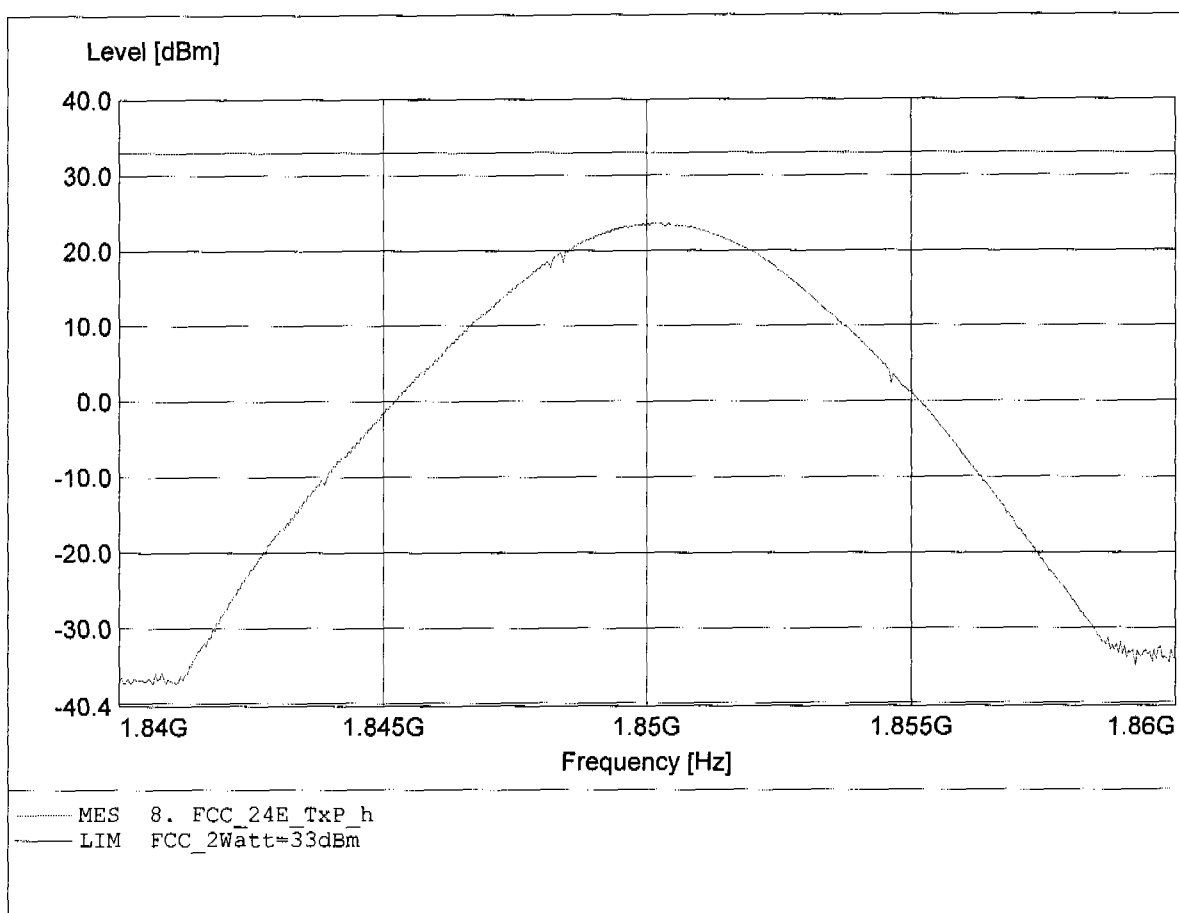
Appendix C

ERP, EIRP

Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

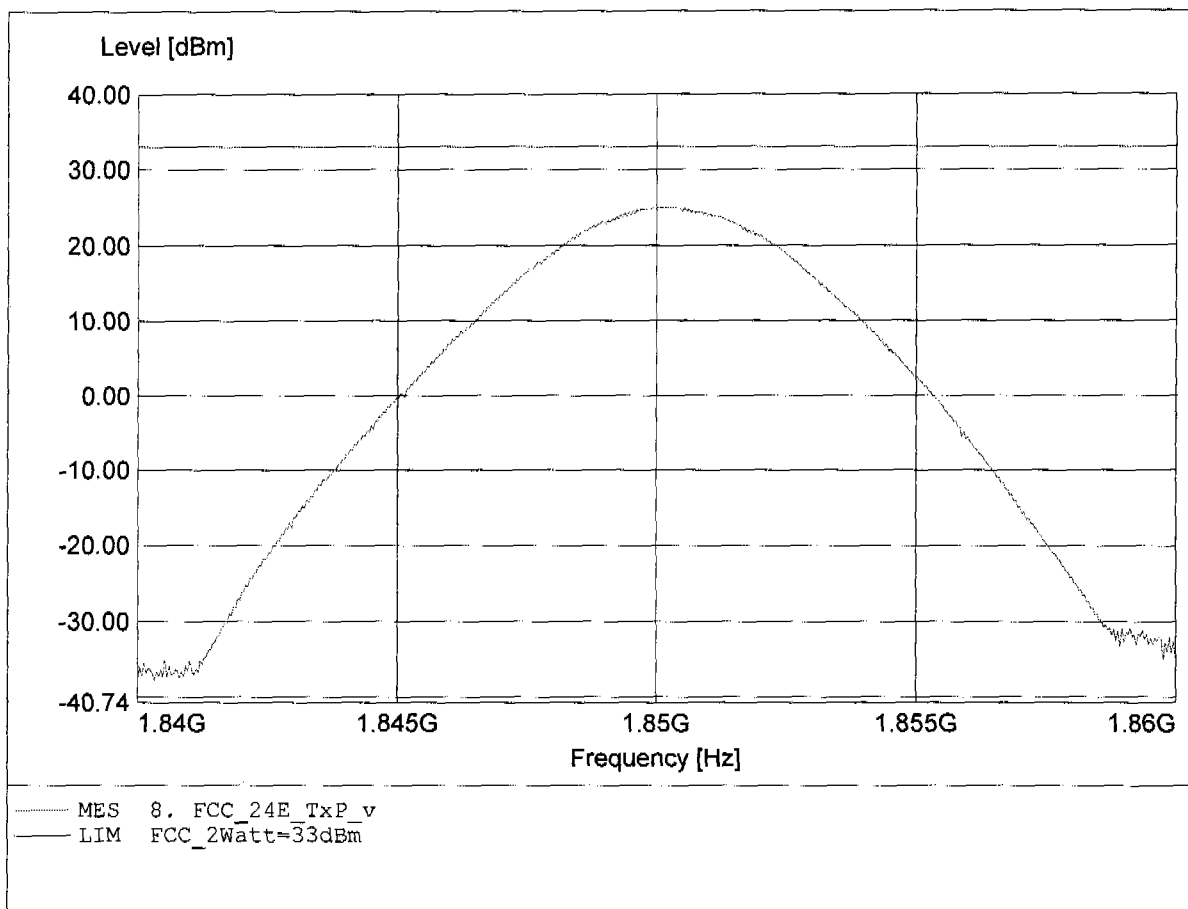
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0
Comment 2: Freq: 1.850GHz, Pmax: 23.68dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

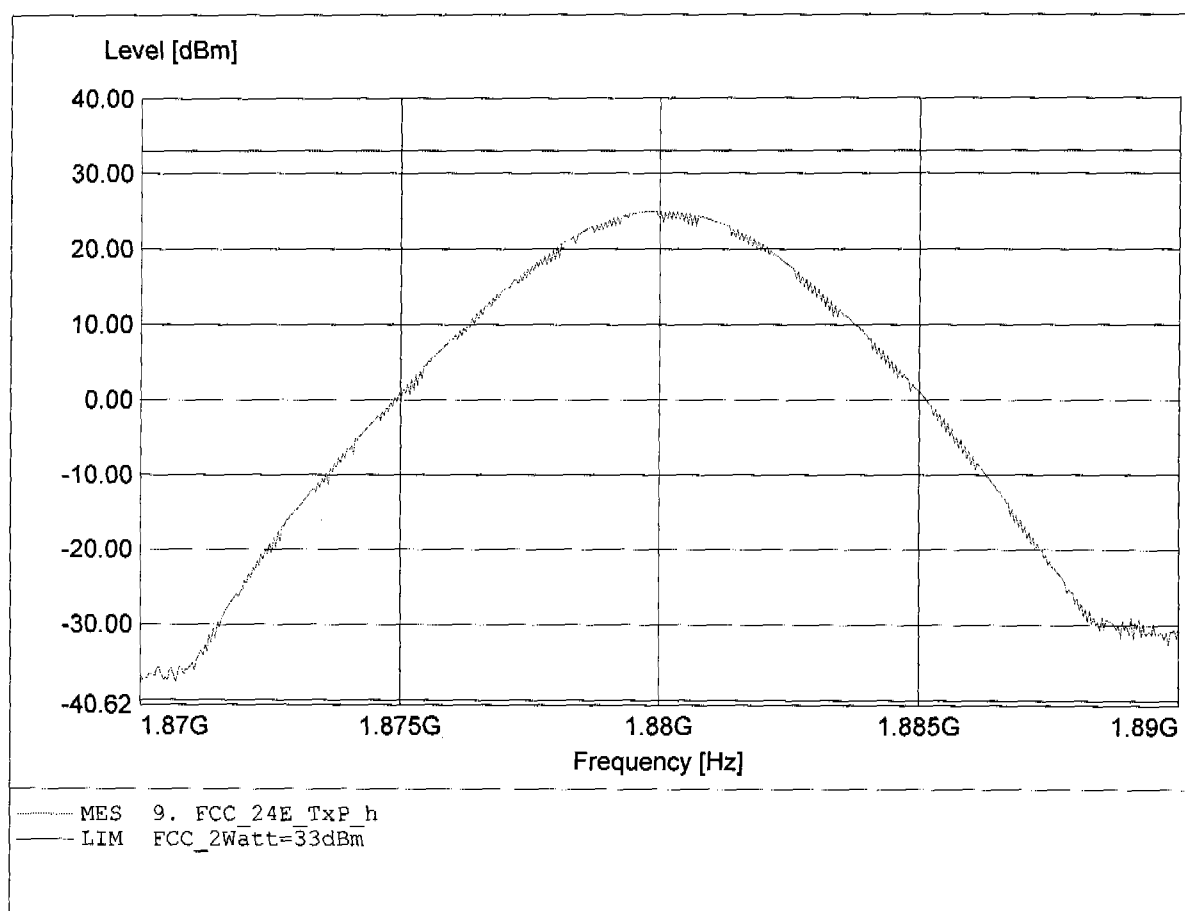
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.850GHz, Pmax: 25.01dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

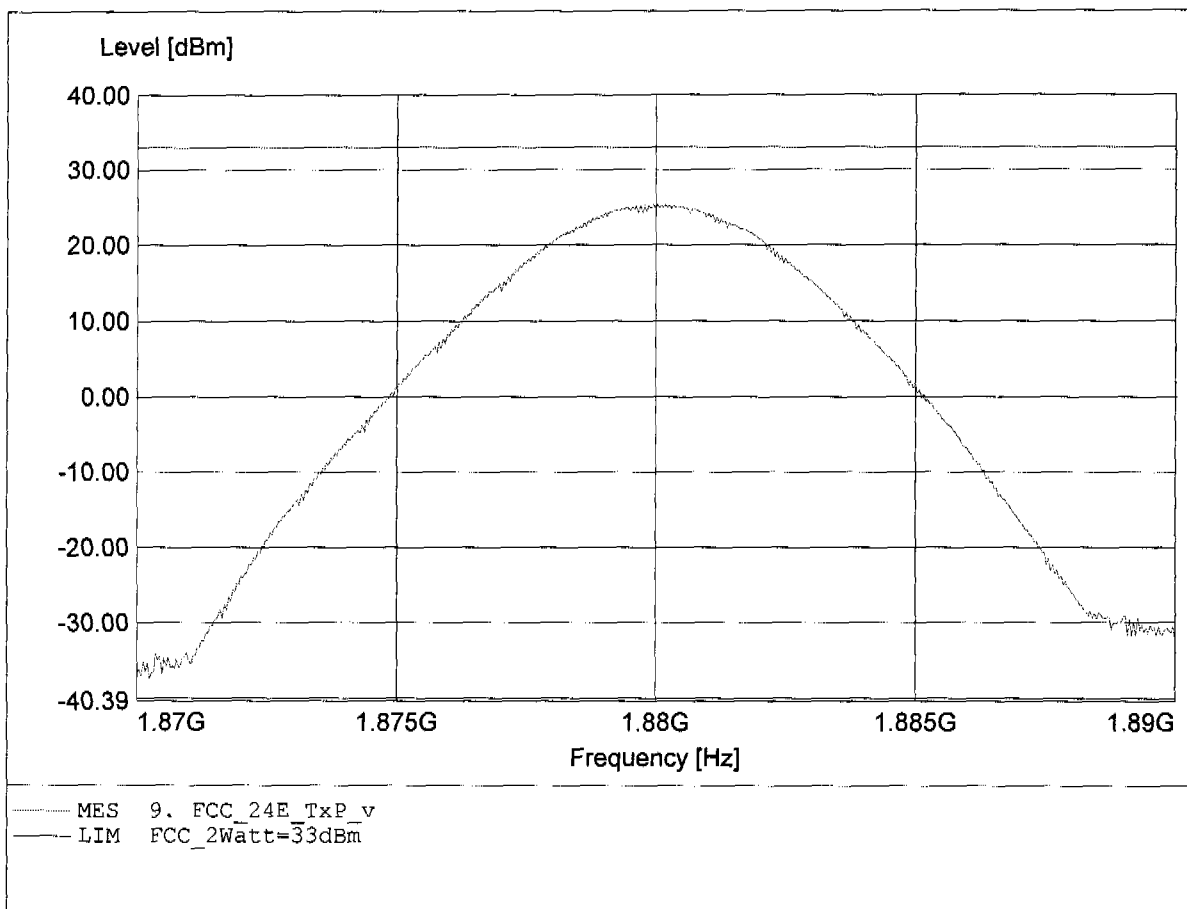
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.880GHz, Pmax: 24.99dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

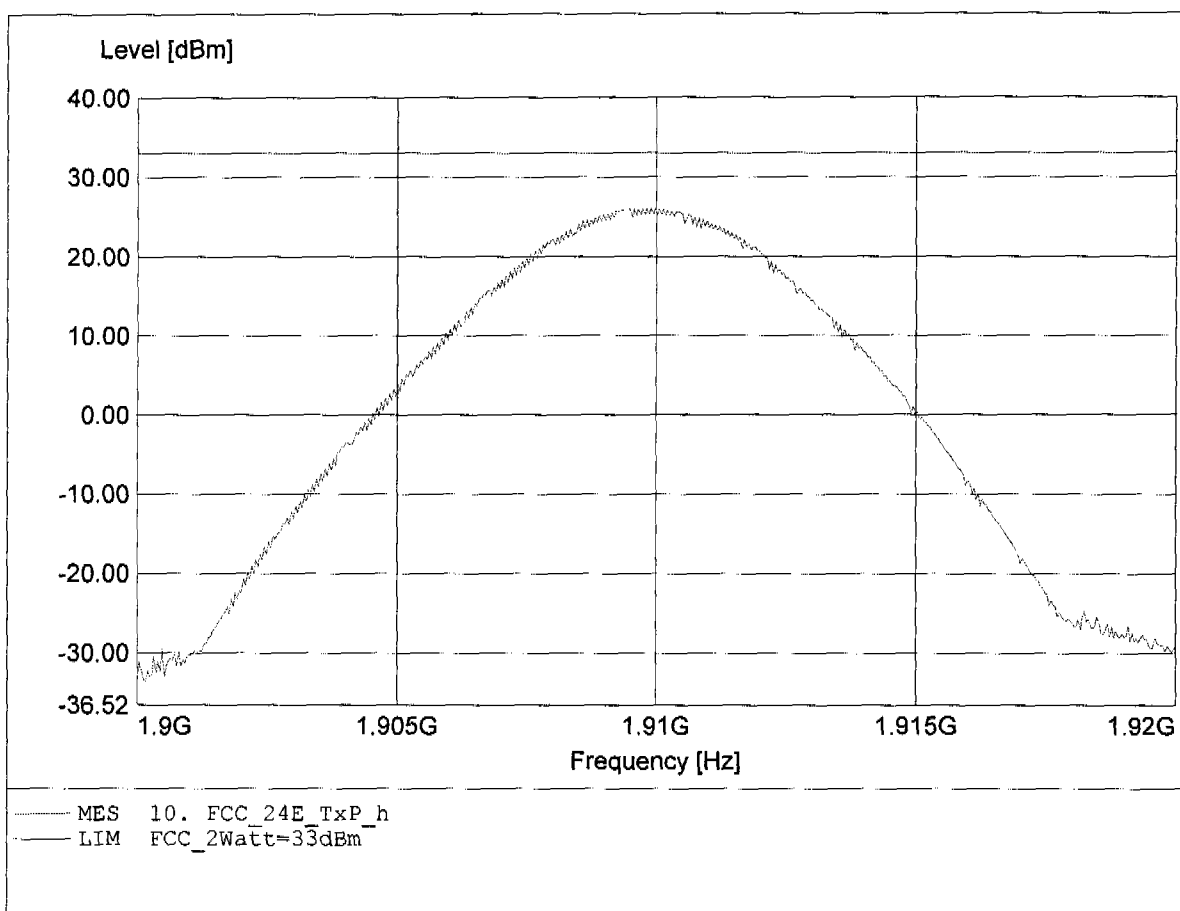
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.880GHz, Pmax: 25.30dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

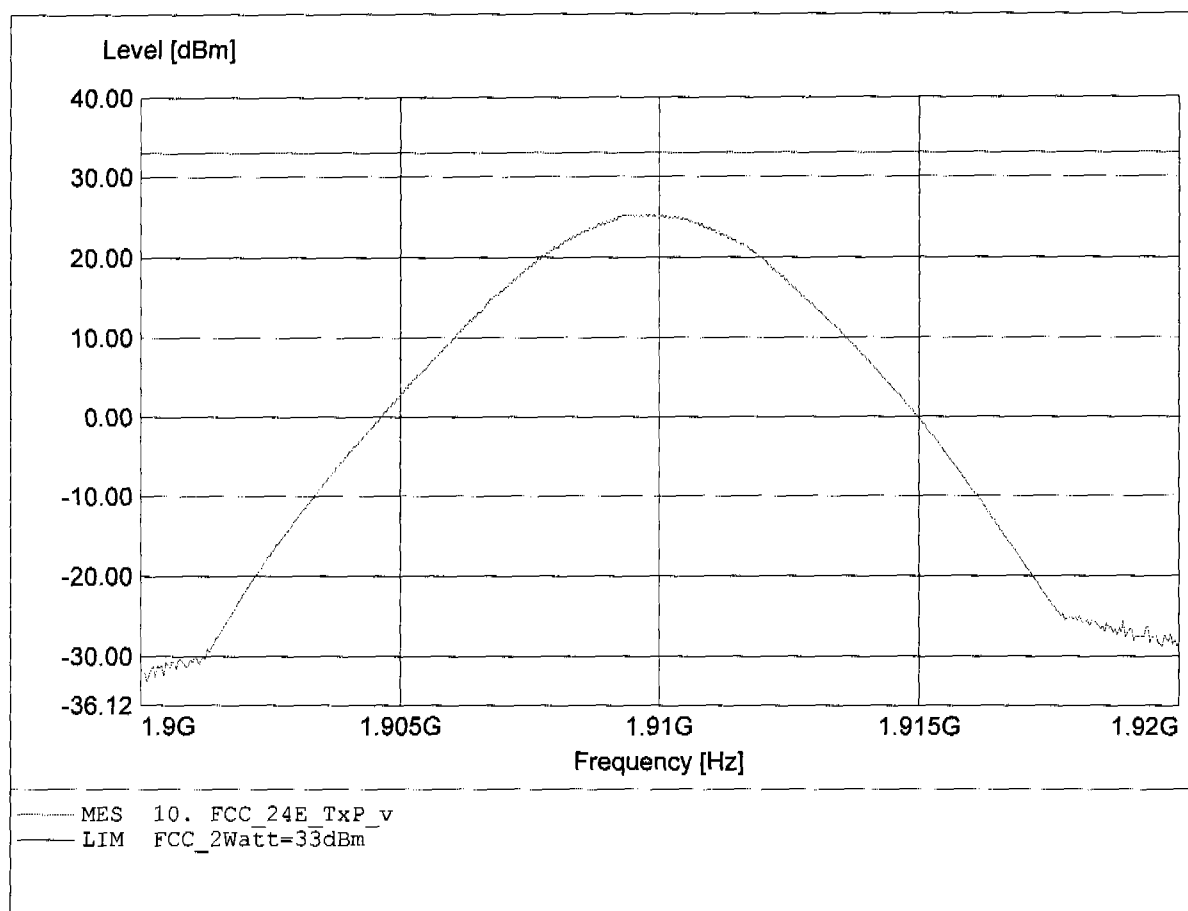
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.910GHz, Pmax: 26.06dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

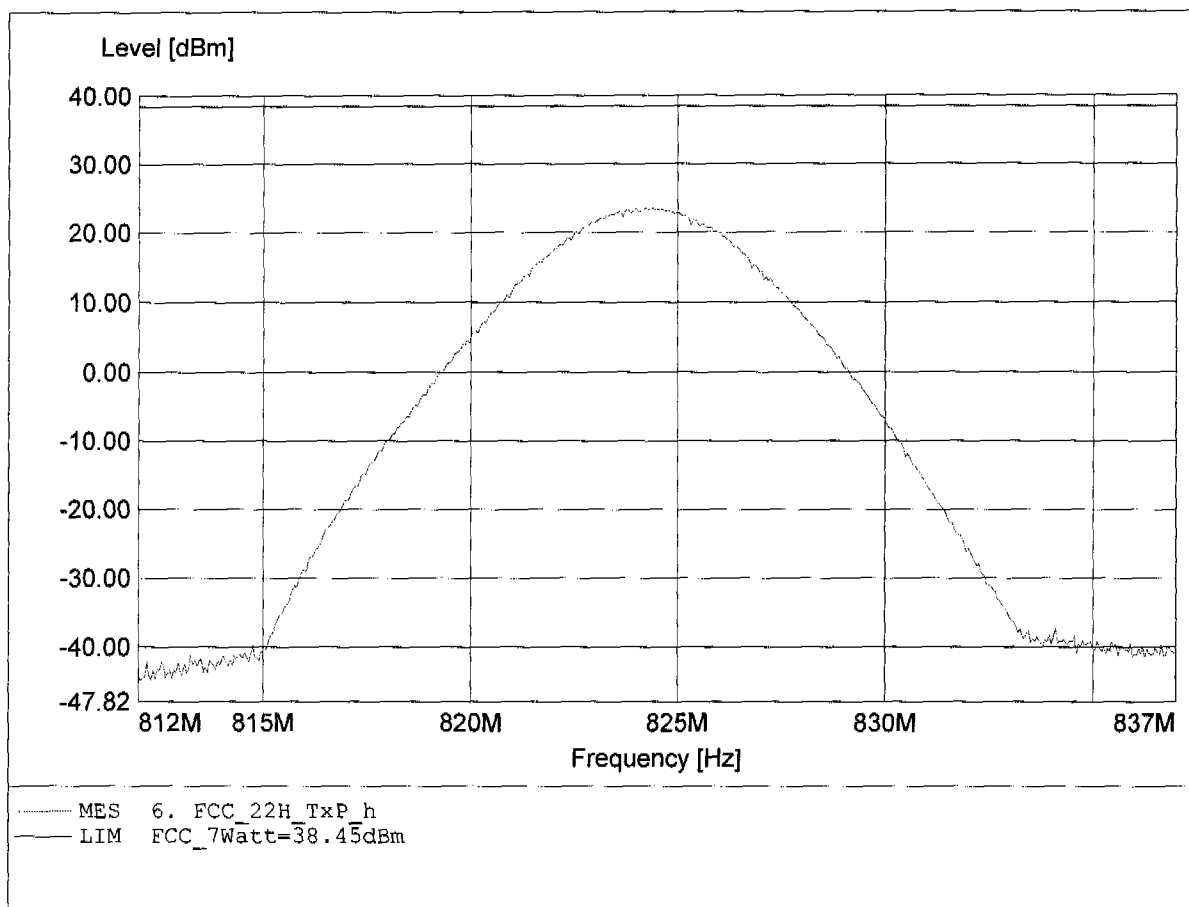
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.910GHz, Pmax: 25.29dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

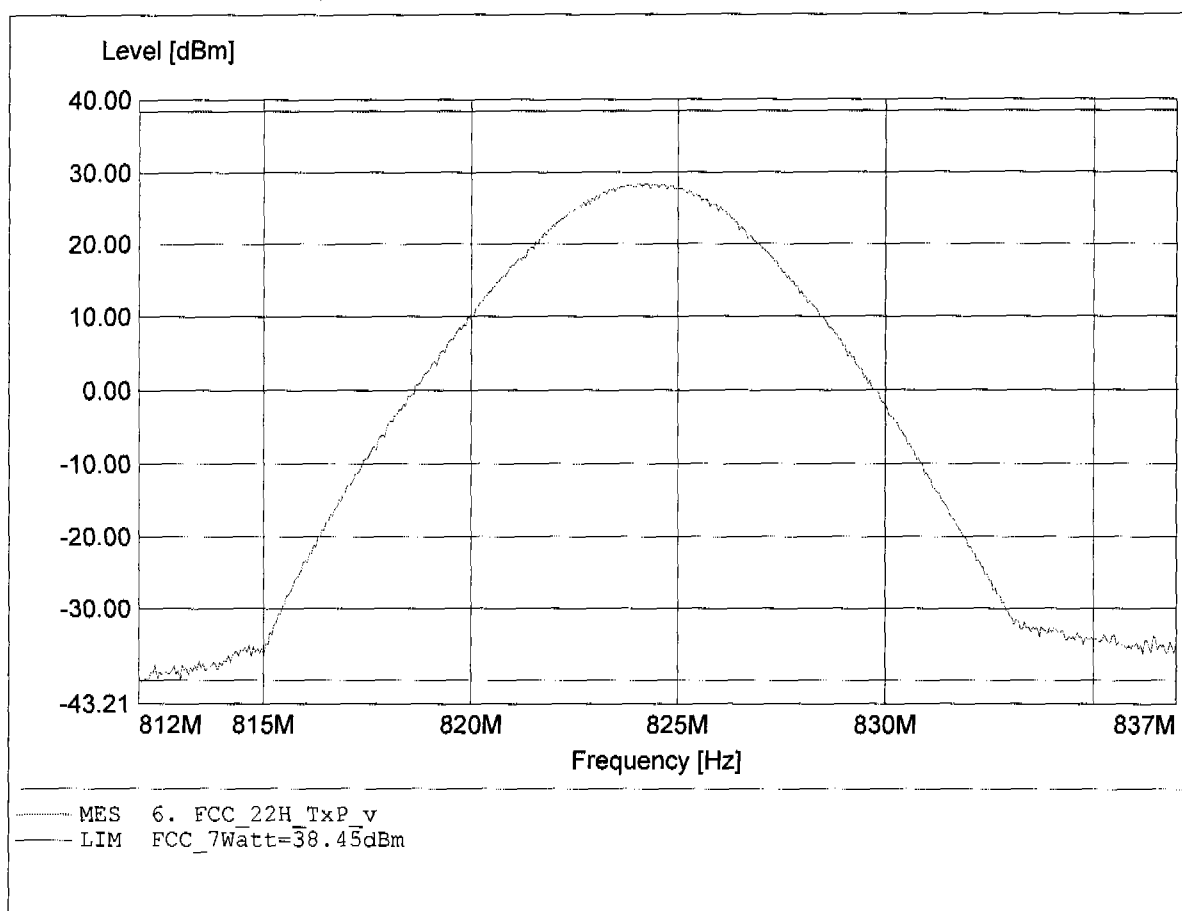
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 824.375MHz, Pmax: 23.49dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

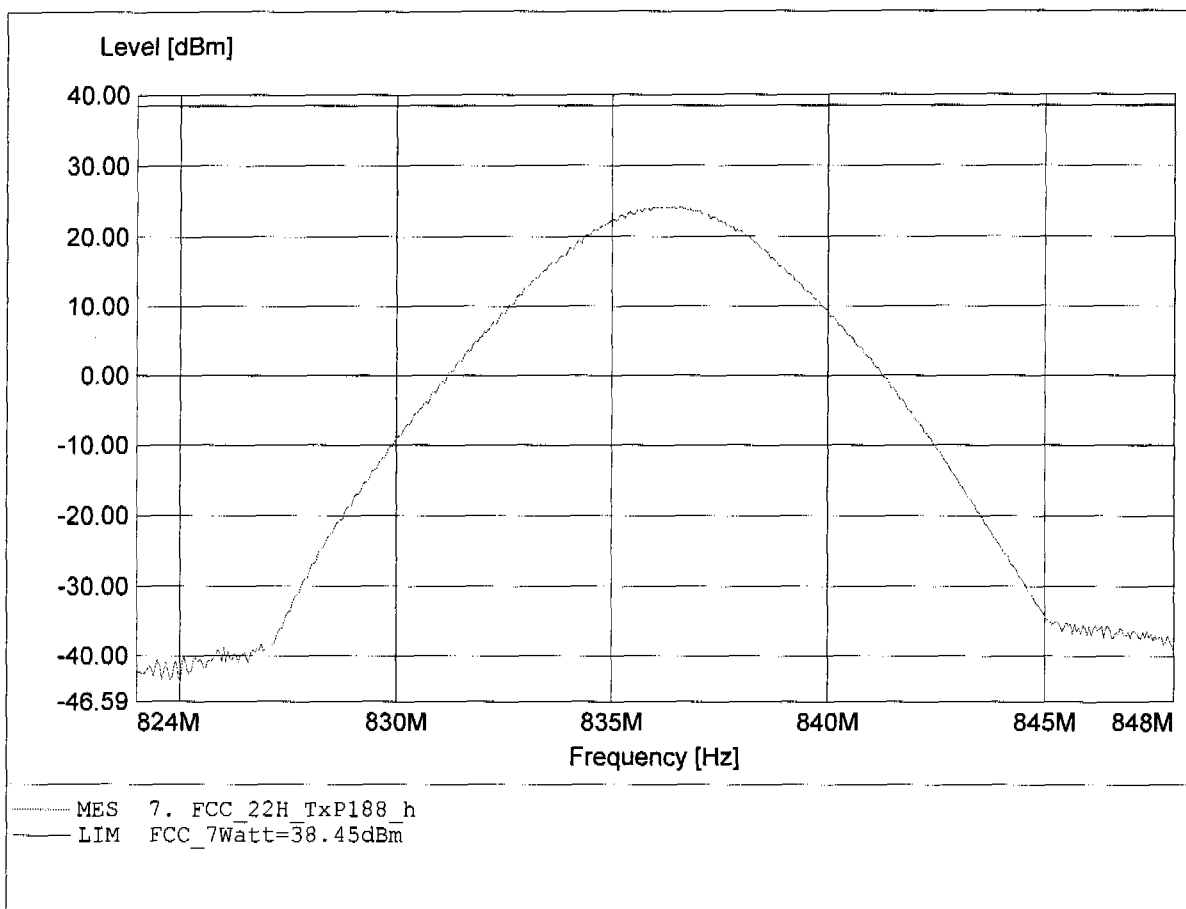
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 824.224MHz, Pmax: 28.40dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

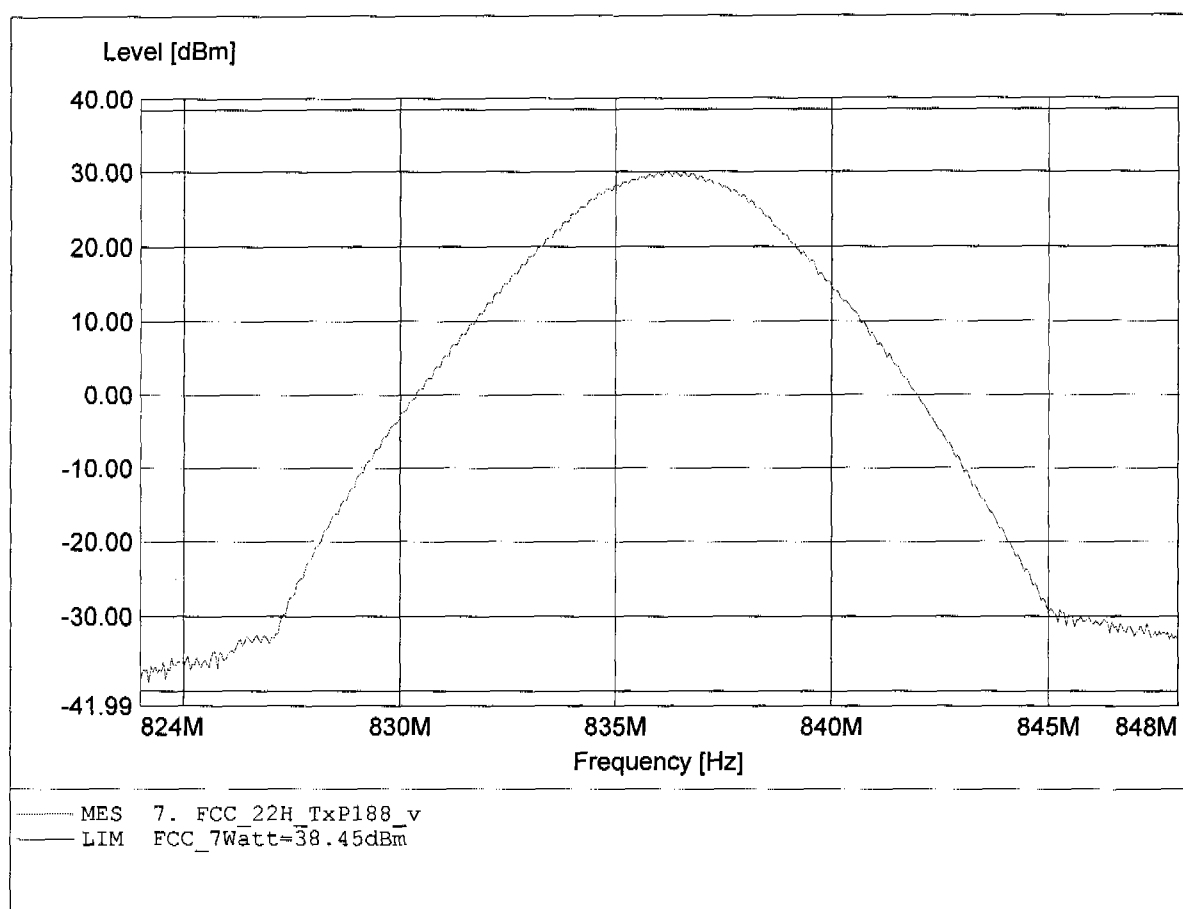
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 836.216MHz, Pmax: 24.20dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

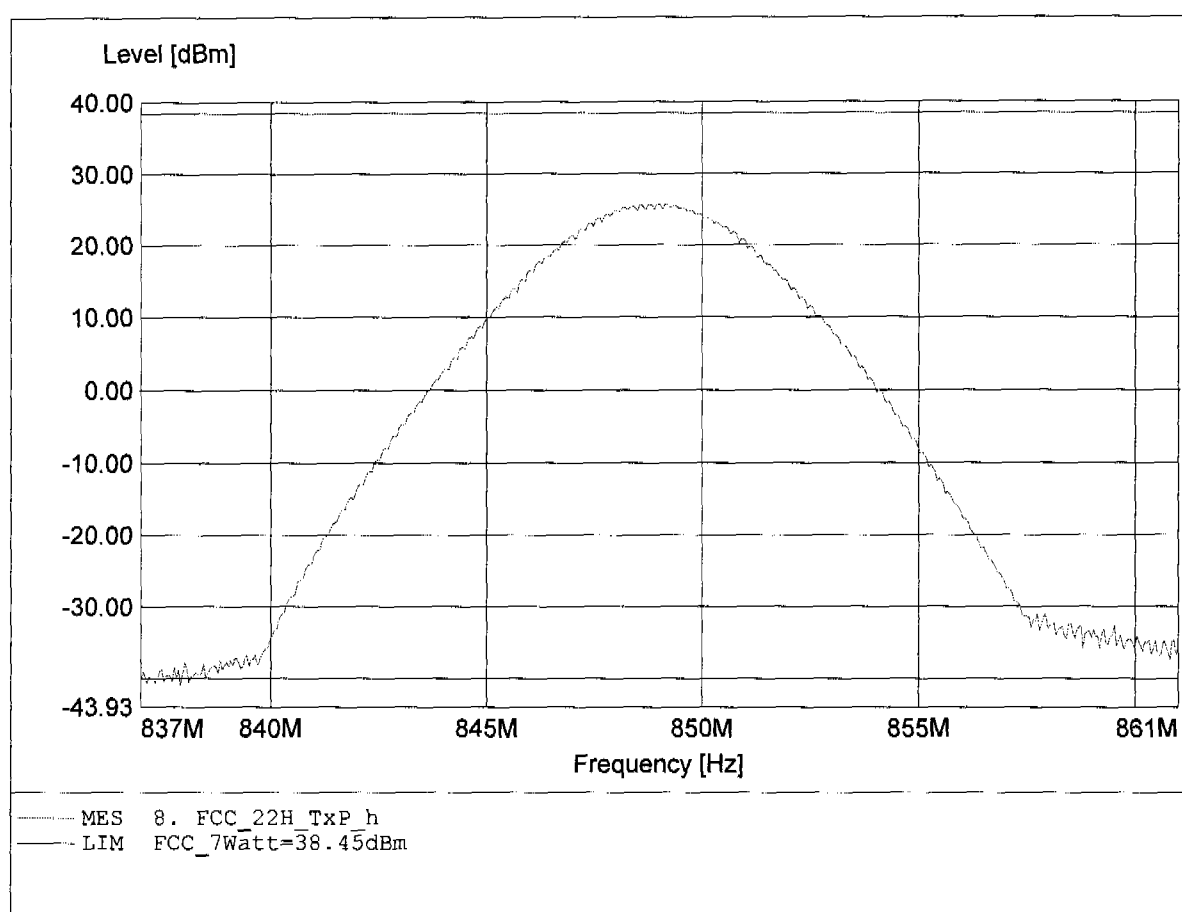
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 836.361MHz, Pmax: 29.95dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

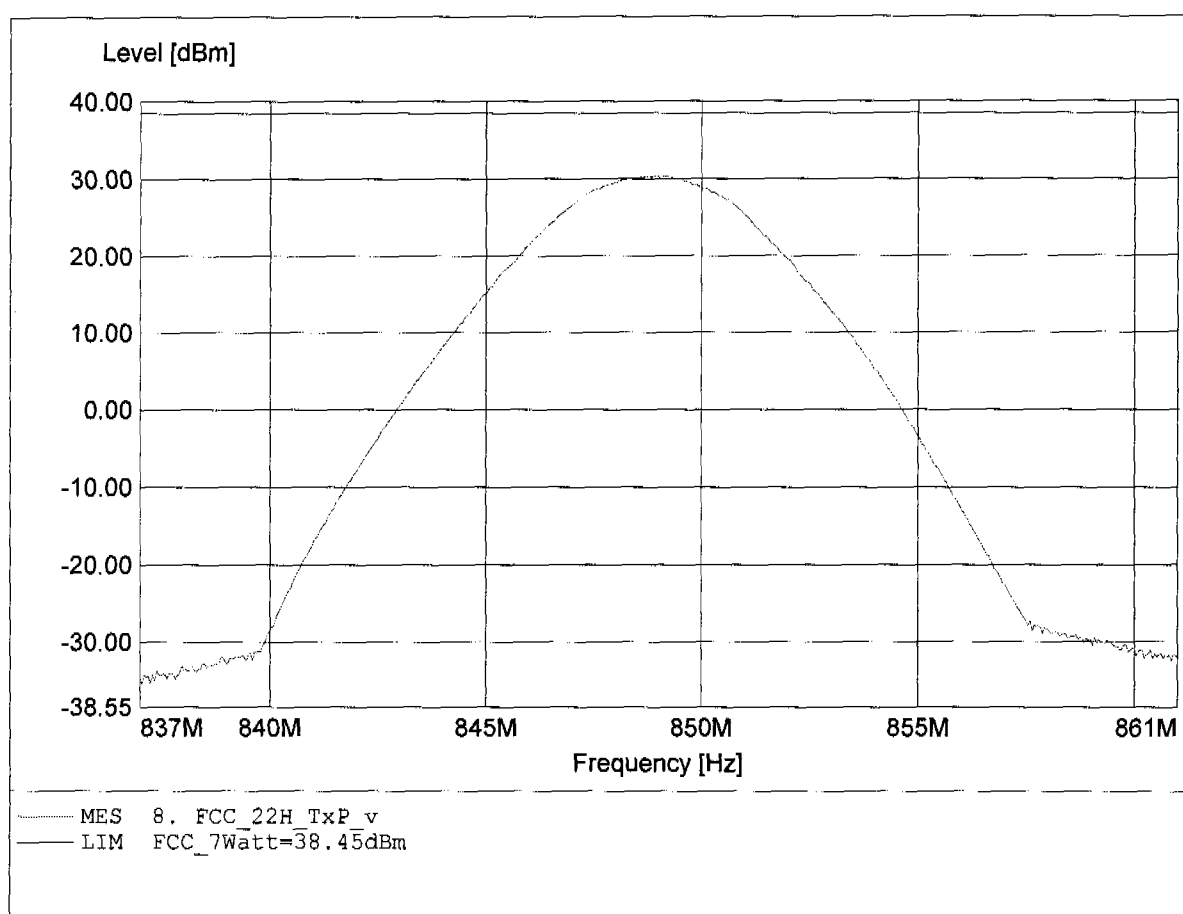
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 848.976MHz, Pmax: 25.69dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 849.072MHz, Pmax: 30.35dBm, RBW: 3MHz



Appendix D

Modulation Requirements

Appendix E

Audio Filter Characteristics

Appendix F

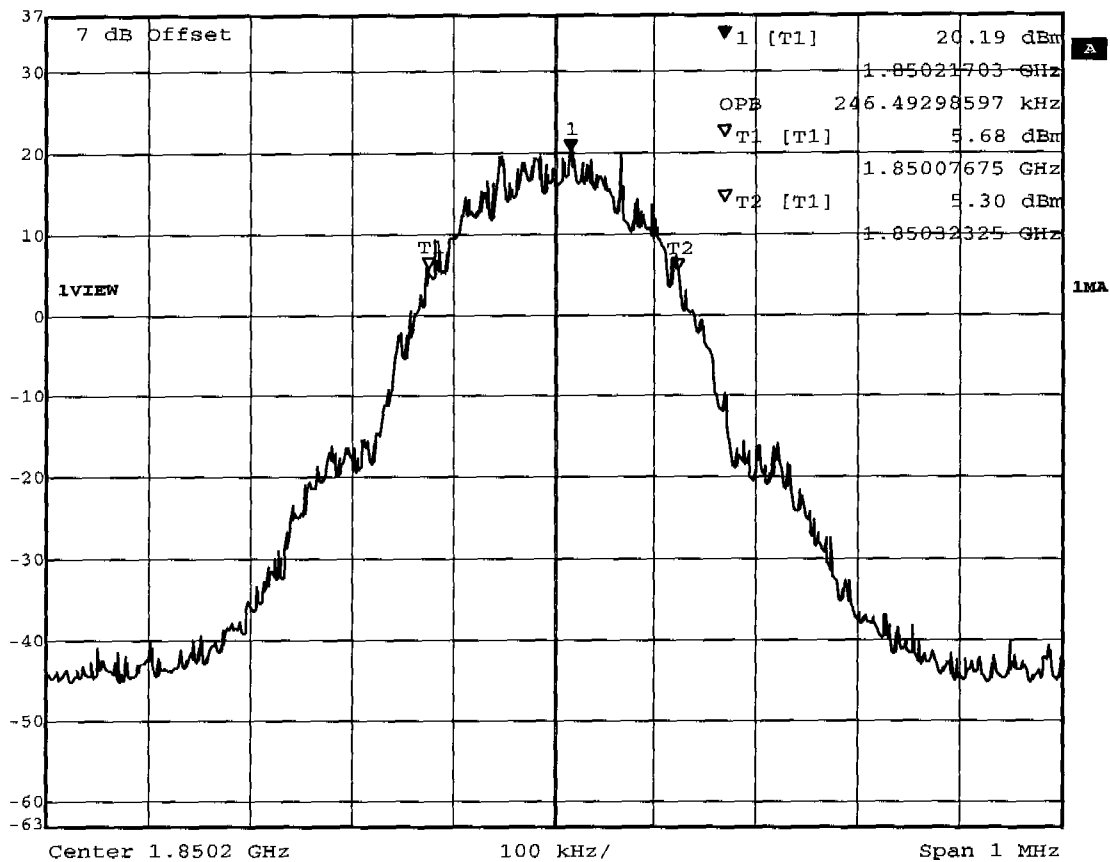
Emission Limitation

Appendix G

Occupied Bandwidth



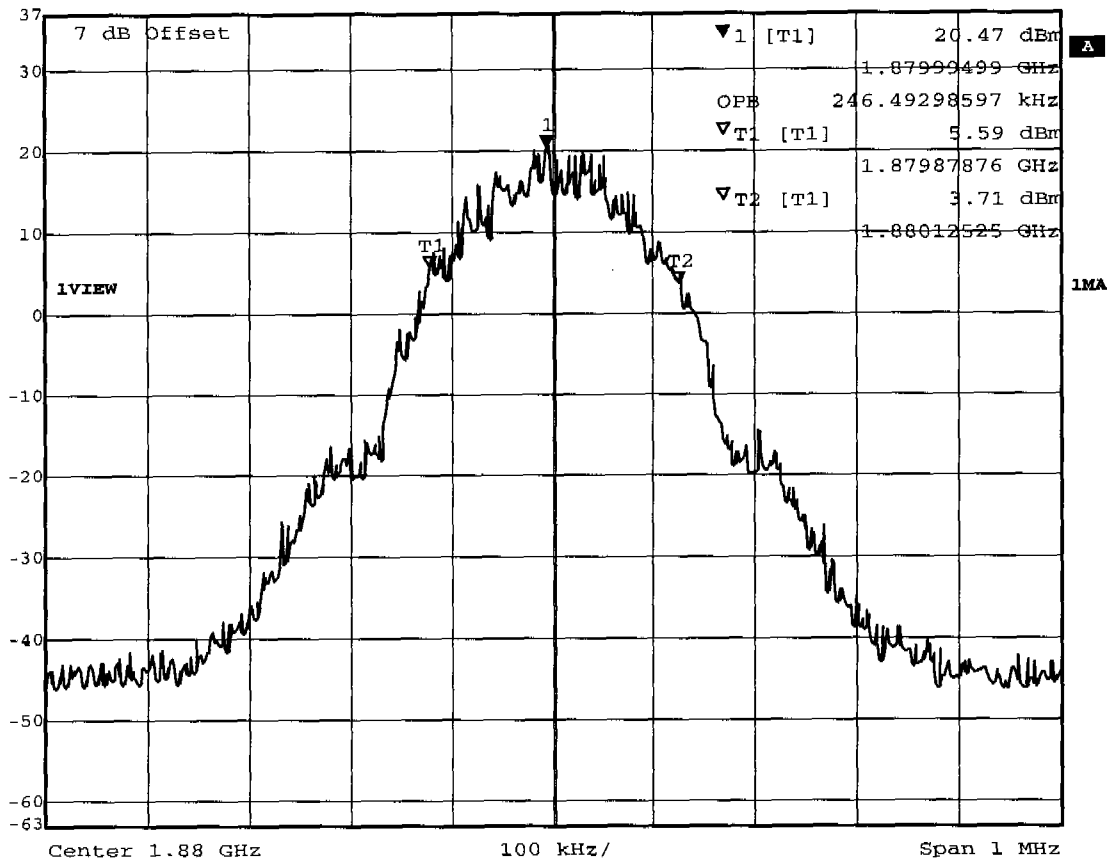
Marker 1 [T1] RBW 3 kHz RF Att 60 dB
Ref Lvl 20.19 dBm VBW 3 kHz
37 dBm 1.85021703 GHz SWT 280 ms Unit dBm



Title: Occupied Power Bandwidth Channel 512
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:42:32



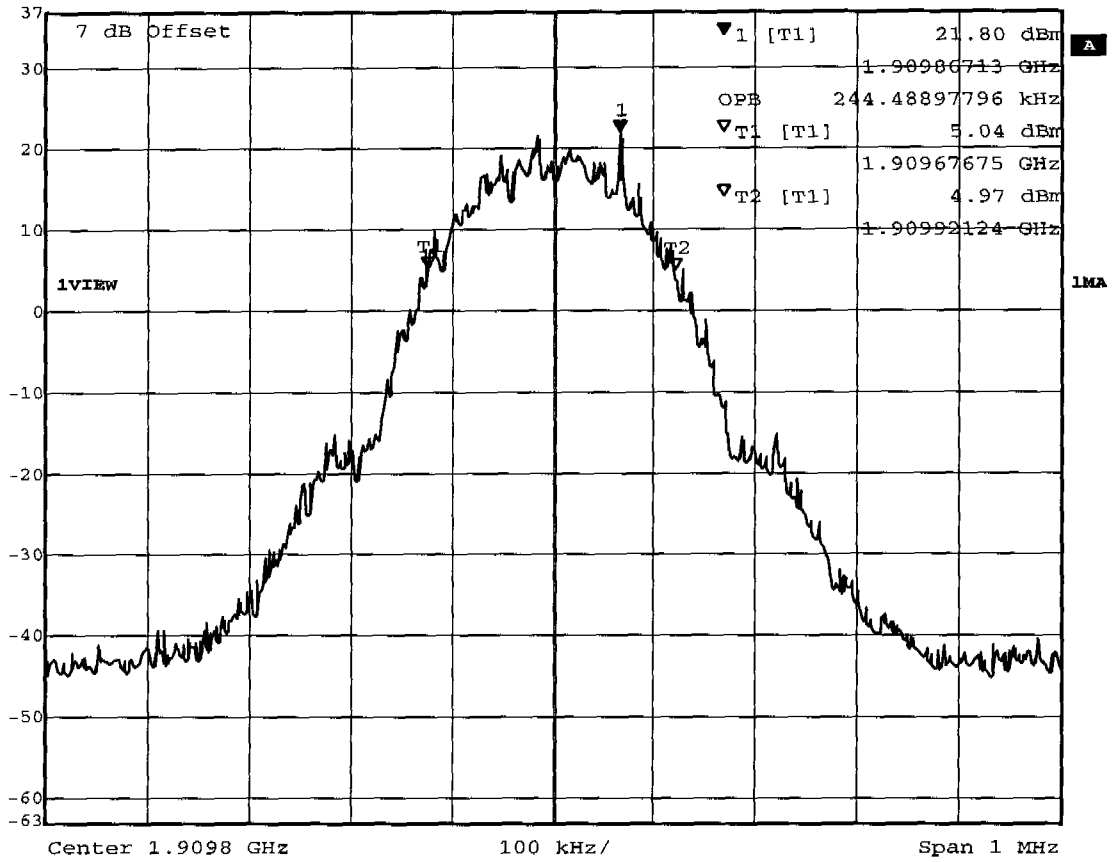
Marker 1 [T1] RBW 3 kHz RF Att 60 dB
Ref Lvl 20.47 dBm VBW 3 kHz
37 dBm 1.87999499 GHz SWT 280 ms Unit dBm



Title: Occupied Power Bandwidth Channel 661
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:43:52



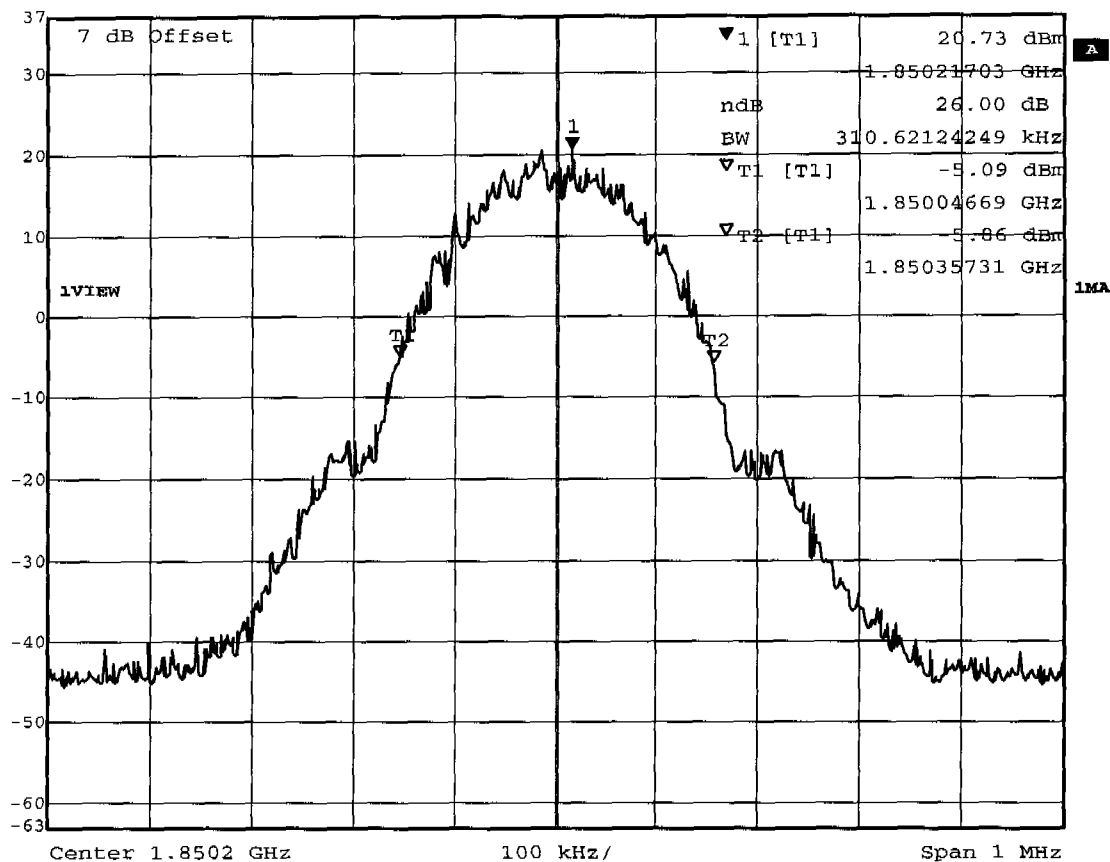
Marker 1 [T1] RBW 3 kHz RF Att 60 dB
Ref Lvl 21.80 dBm VBW 3 kHz
37 dBm 1.90986713 GHz SWT 280 ms Unit dBm



Title: Occupied Power Bandwidth Channel 810
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:47:51



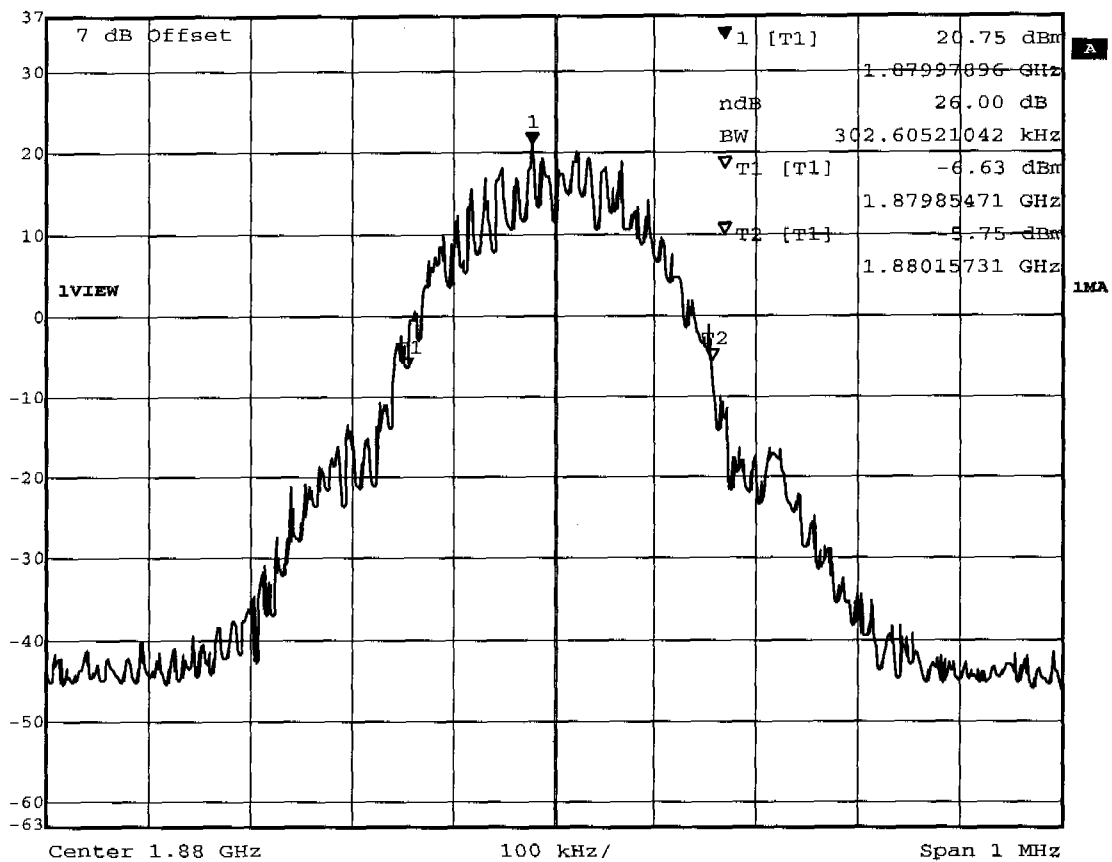
Marker 1 [T1 ndB] RBW 3 kHz RF Att 60 dB
Ref Lvl ndB 26.00 dB VBW 3 kHz
37 dBm BW 310.62124249 kHz SWT 280 ms Unit dBm



Title: -26 dBc Emission Bandwidth Channel 512
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:55:42



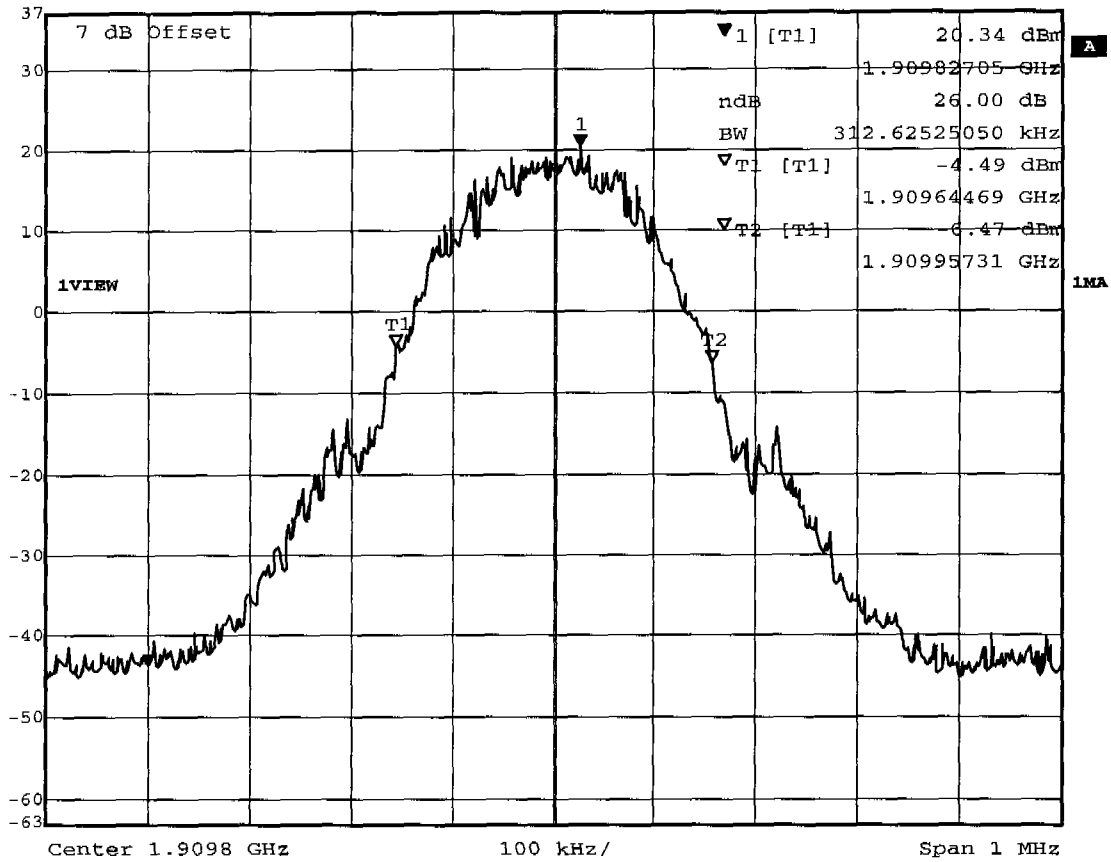
Marker 1 [T1 ndB] RBW 3 kHz RF Att 60 dB
Ref Lvl ndB 26.00 dB VBW 3 kHz
37 dBm BW 302.60521042 kHz SWT 280 ms Unit dBm



Title: -26 dBc Emission Bandwidth Channel 661
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:57:46



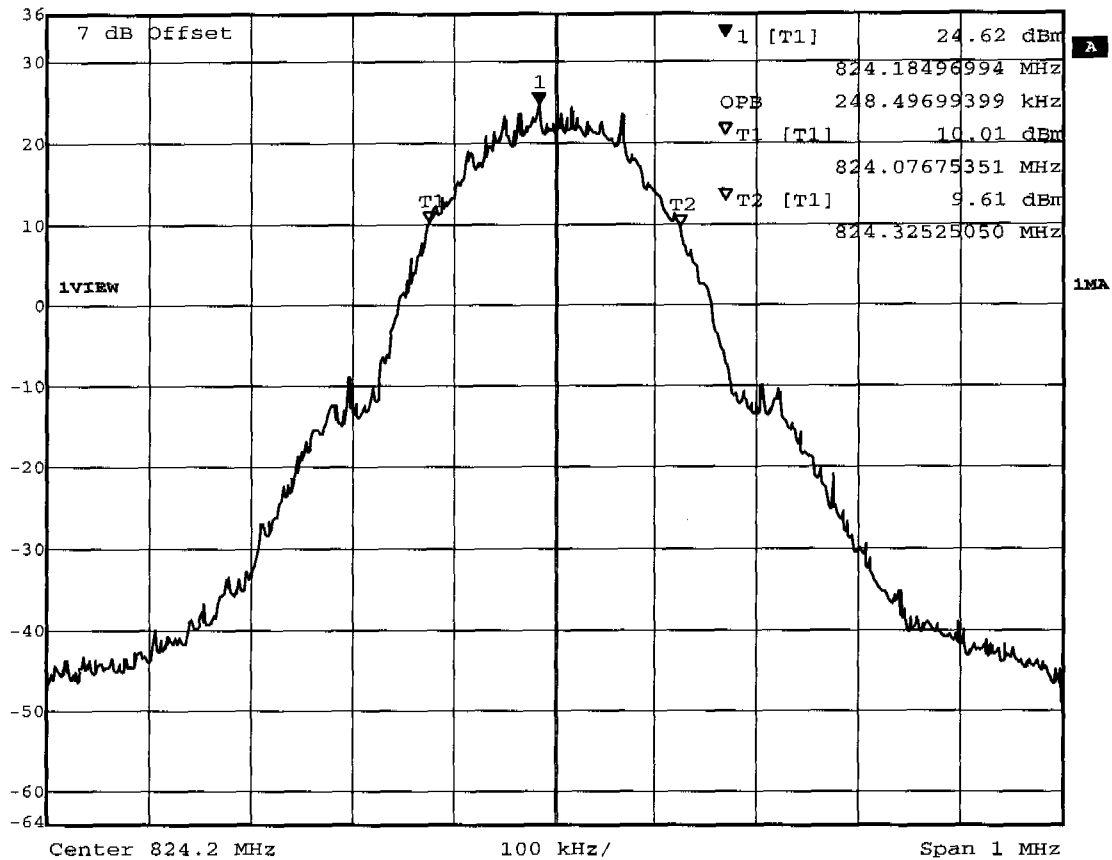
Marker 1 [T1 ndB] RBW 3 kHz RF Att 60 dB
Ref Lvl ndB 26.00 dB VBW 3 kHz
37 dBm BW 312.62525050 kHz SWT 280 ms Unit dBm



Title: -26 dBc Emission Bandwidth Channel 810
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 17:00:08



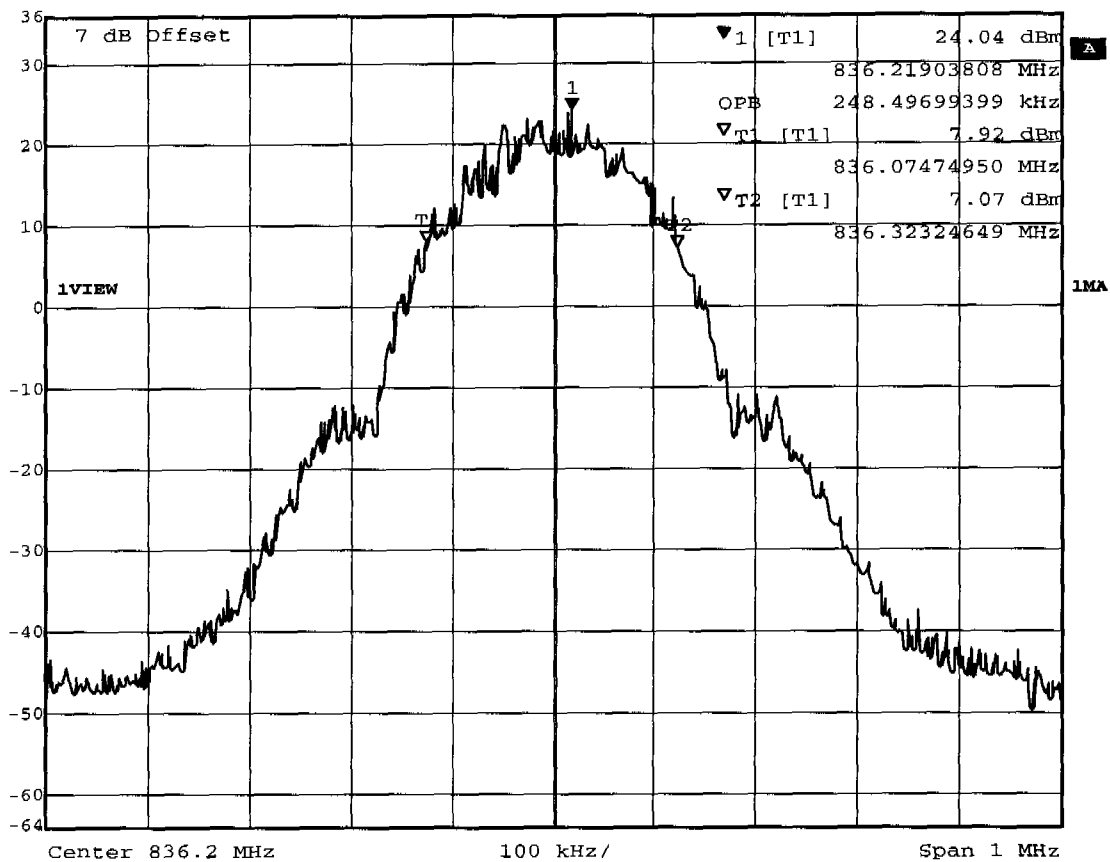
Marker 1 [T1] RBW 3 kHz RF Att 50 dB
Ref Lvl 24.62 dBm VBW 3 kHz
36 dBm 824.18496994 MHz SWT 280 ms Unit dBm



Title: Occupied Bandwidth Channel 128
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:38:00



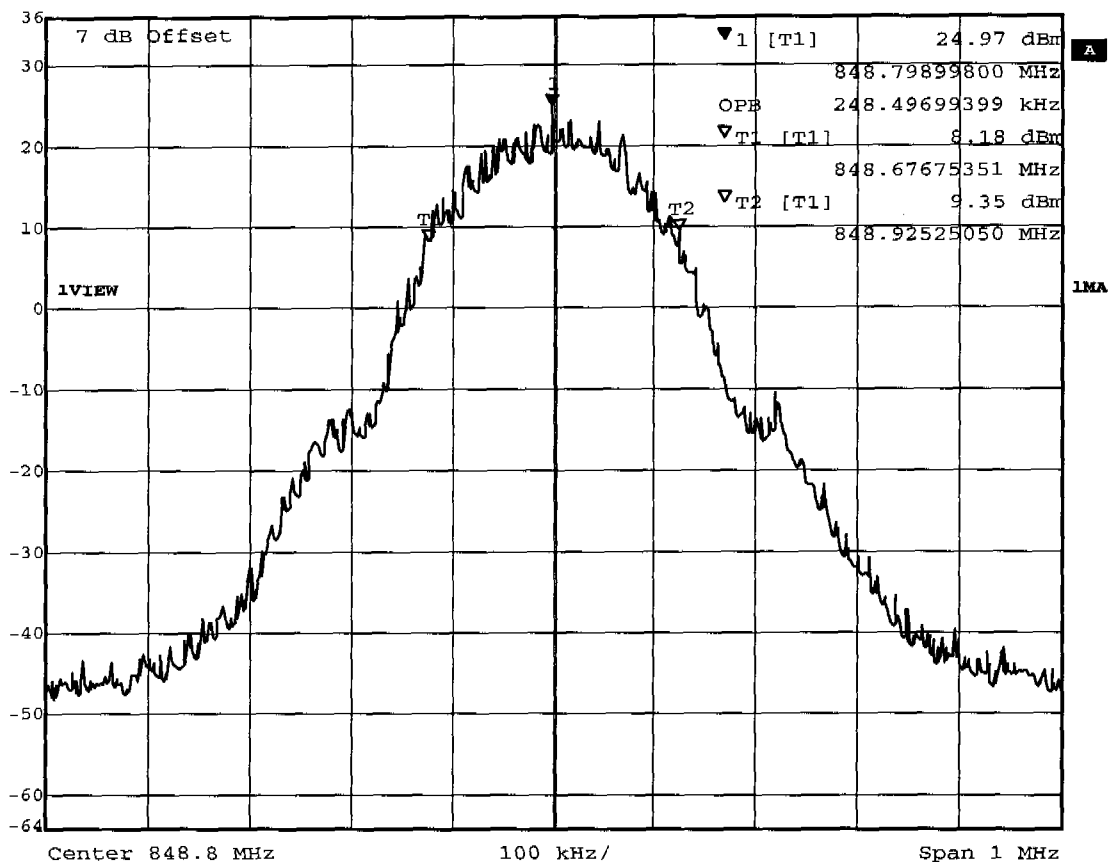
Marker 1 [T1] RBW 3 kHz RF Att 50 dB
Ref Lvl 24.04 dBm VBW 3 kHz
36 dBm 836.21903808 MHz SWT 280 ms Unit dBm



Title: Occupied Bandwidth Channel 188
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:39:43



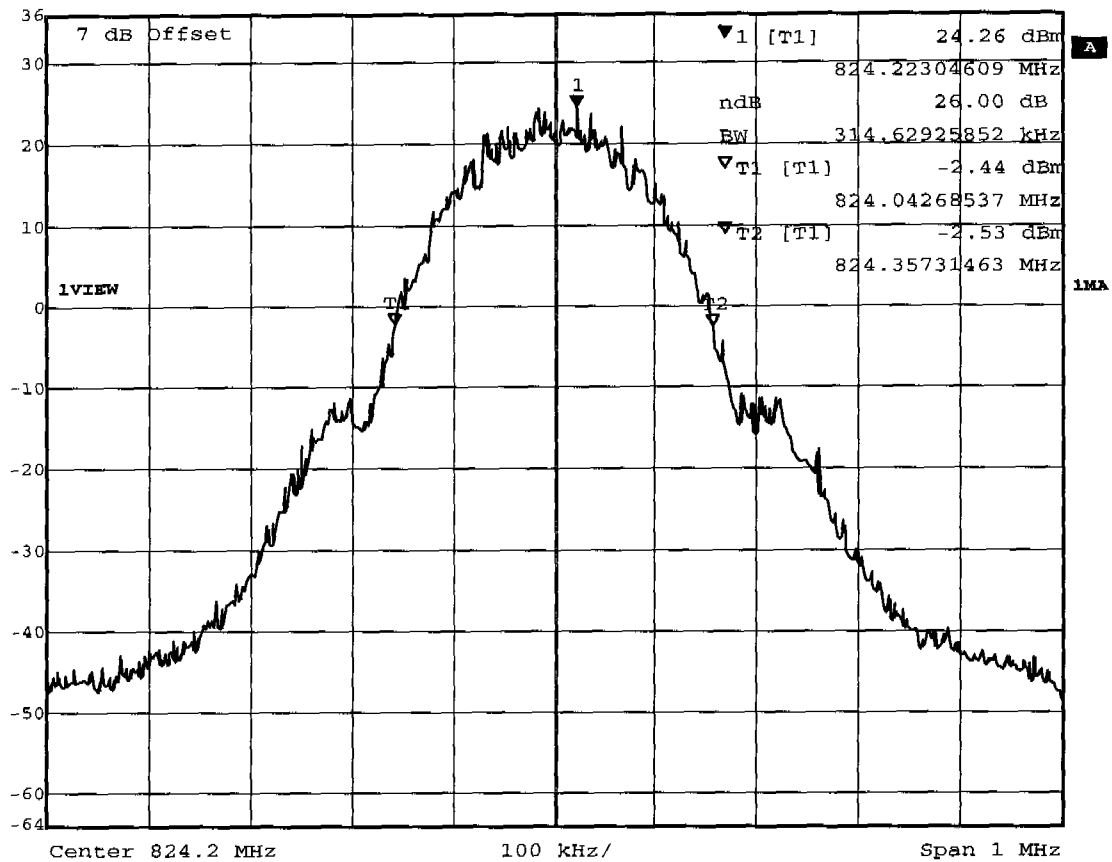
Marker 1 [T1] RBW 3 kHz RF Att 50 dB
Ref Lvl 24.97 dBm VBW 3 kHz
36 dBm 848.79899800 MHz SWT 280 ms Unit dBm



Title: Occupied Bandwidth Channel 251
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:43:36



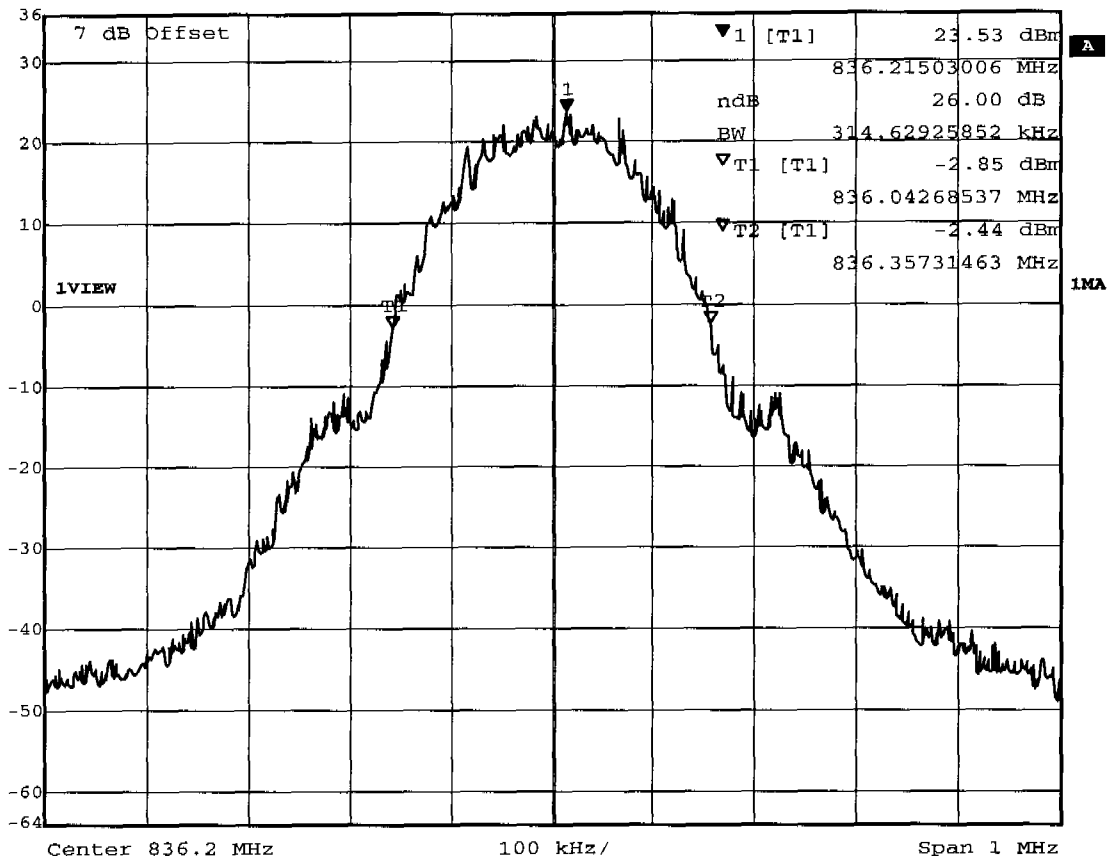
Ref Lvl 36 dBm
Marker 1 [T1 ndB] 26.00 dB
BW 314.62925852 kHz
RBW 3 kHz
RF Att 50 dB
VBW 3 kHz
SWT 280 ms
Unit dBm



Title: -26dBc Emission Bandwidth Channel 128
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:49:28



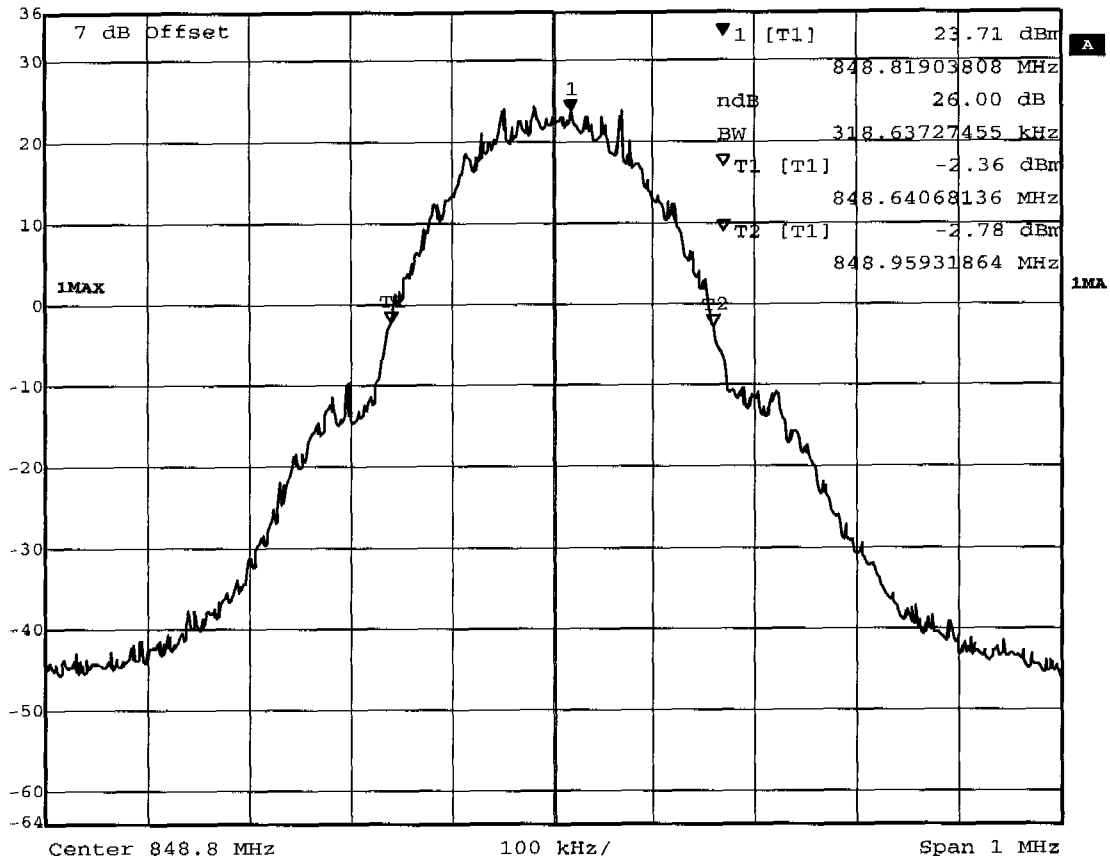
Ref Lvl 36 dBm
Marker 1 [T1 ndB] 26.00 dB
BW 314.62925852 kHz
RBW 3 kHz
VBW 3 kHz
RF Att 50 dB
SWT 280 ms
Unit dBm



Title: -26dBc Emission Bandwidth Channel 188
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:53:05



Ref Lvl 36 dBm
Marker 1 [T1 ndB] 26.00 dB
BW 318.63727455 kHz
RBW 3 kHz
VBW 3 kHz
RF Att 50 dB
SWT 280 ms
Unit dBm



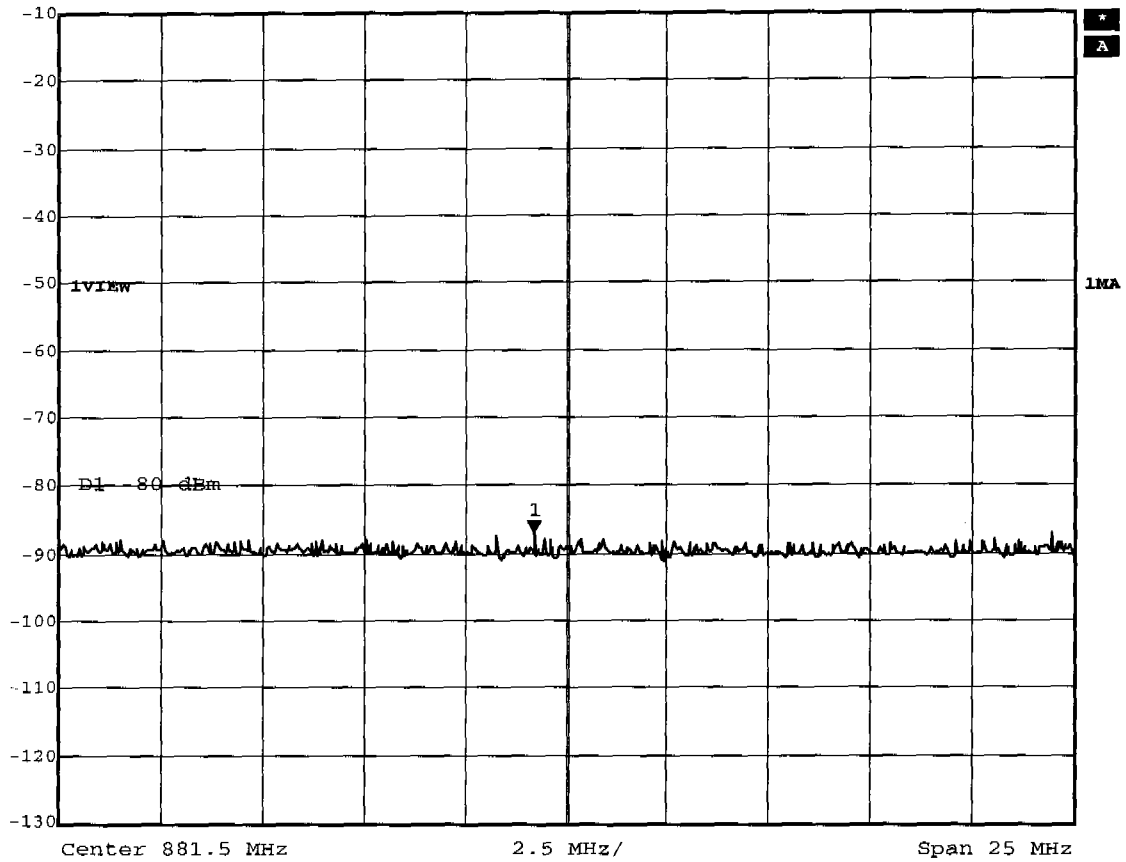
Title: -26dBc Emission Bandwidth Channel 251
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:59:33

Appendix H

Emissions in Receiver Critical Band



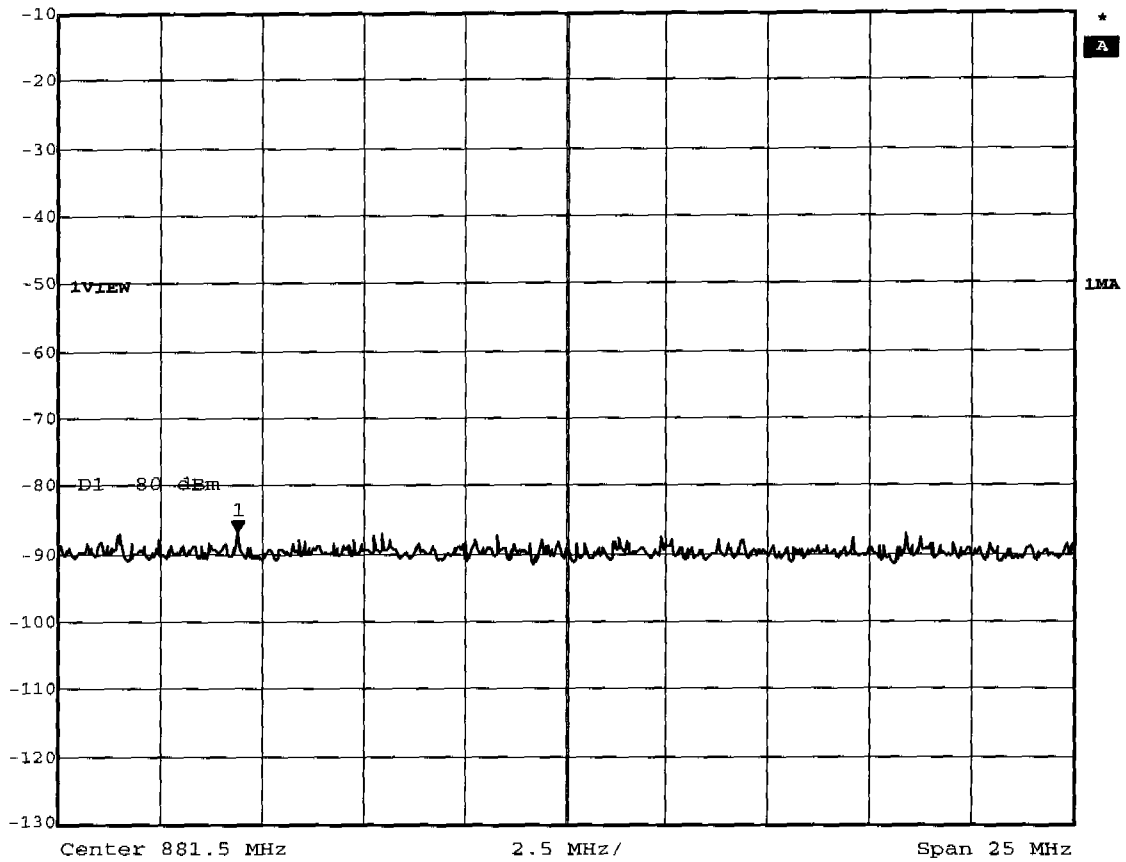
Marker 1 [T1] RBW 30 kHz RF Att 0 dB
Ref Lvl -86.92 dBm VBW 30 kHz
-10 dBm 880.72344689 MHz SWT 70 ms Unit dBm



Title: Emissions in Receiver Critical Band Channel 128
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:04:34



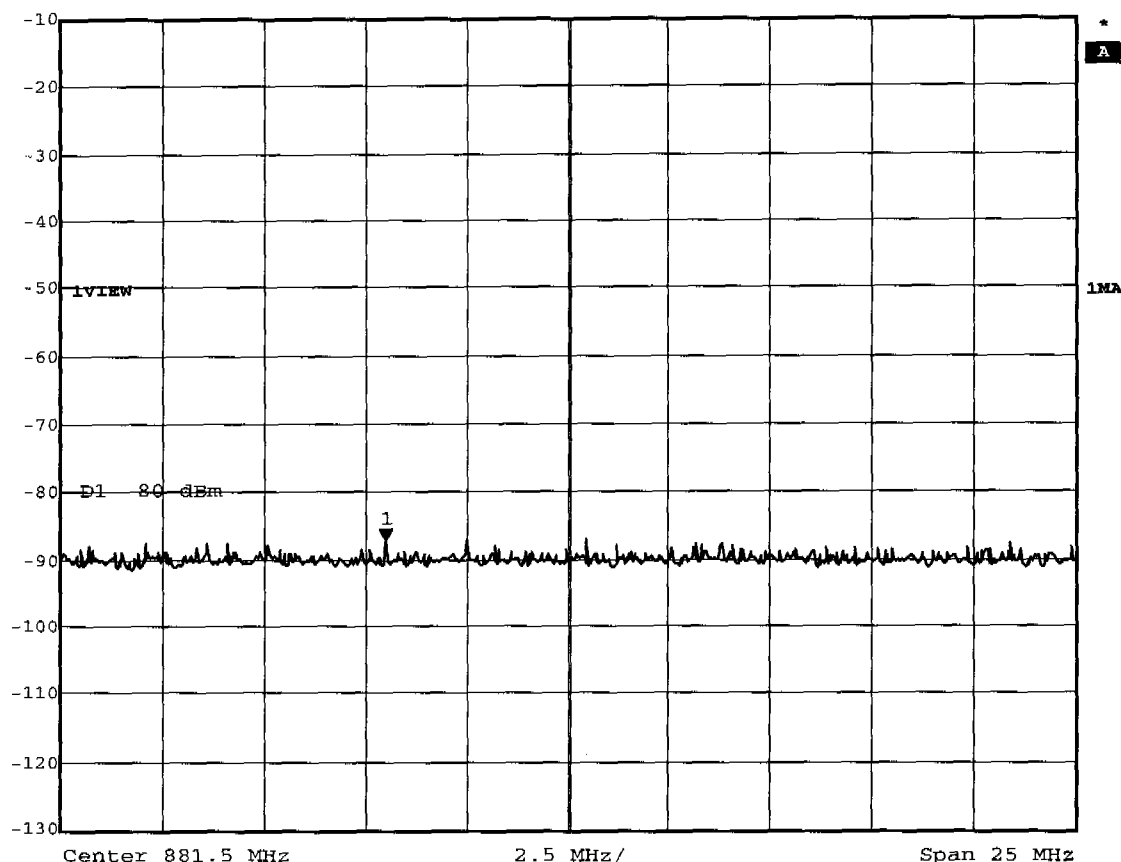
Marker 1 [T1] RBW 30 kHz RF Att 0 dB
Ref Lvl -86.87 dBm VBW 30 kHz
-10 dBm 873.40881764 MHz SWT 70 ms Unit dBm



Title: Emissions in Receiver Critical Band Channel 188
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:12:23



Ref Lvl	Marker 1 [T1]	RBW	30 kHz	RF Att	0 dB
-10 dBm	-87.15 dBm	VBW	30 kHz		
	877.01603206 MHz	SWT	70 ms	Unit	dBm



Title: Emissions in Receiver Critical Band Channel 251
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:14:04

Appendix I

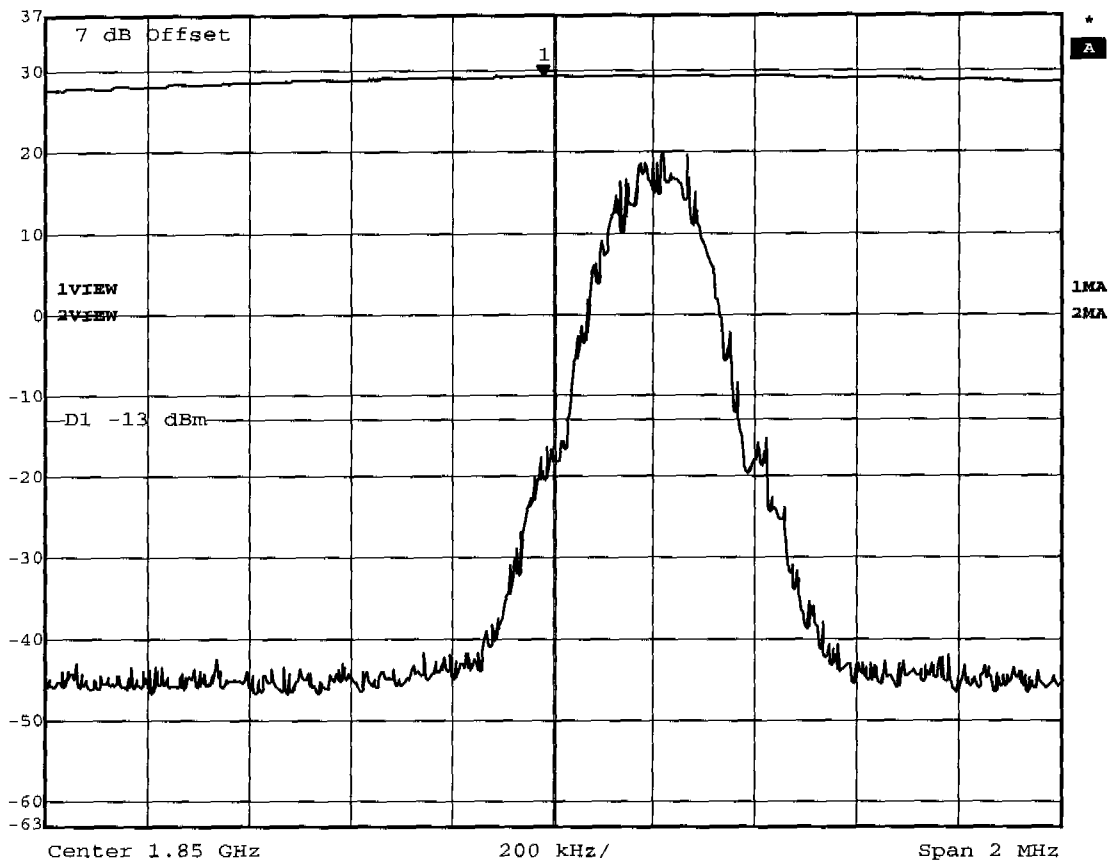
Out of Band Emission at Antenna Terminals Mobile Emissions In Base
Frequency Range

Appendix J

Field Strength of Spurious Radiation



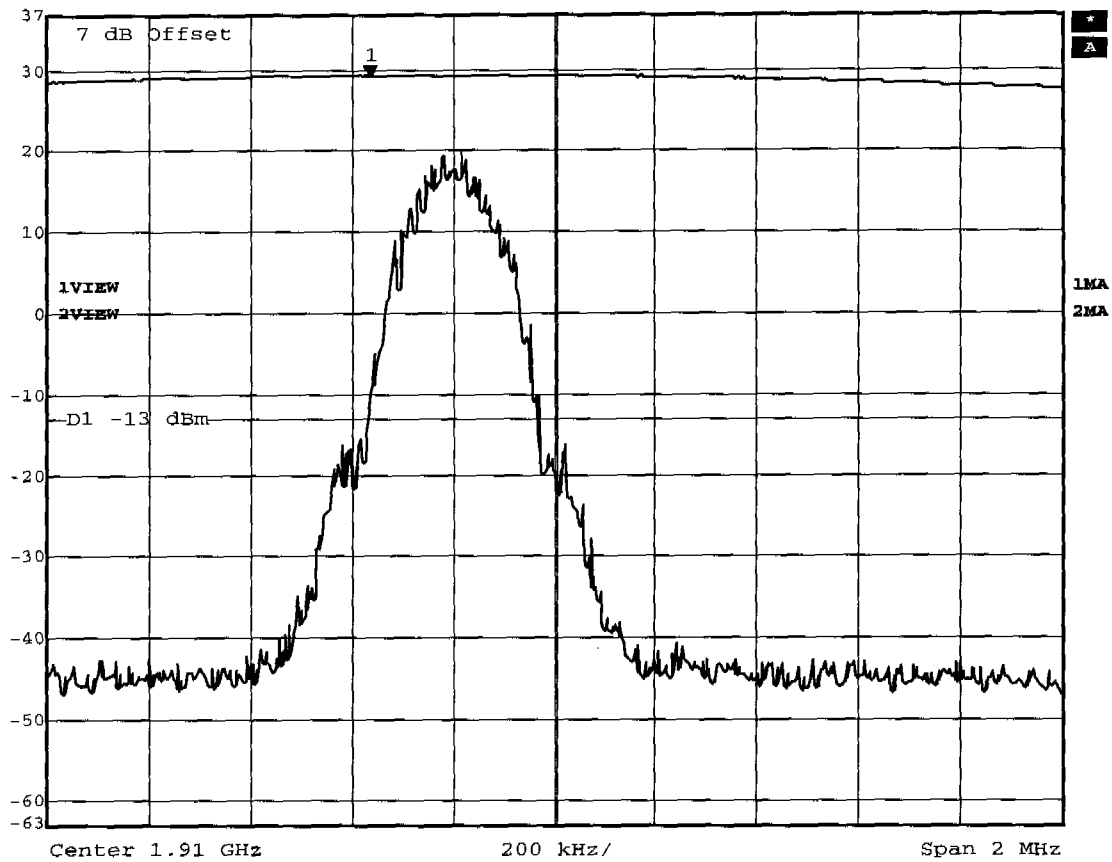
Marker 1 [T1] RBW 3 kHz RF Att 60 dB
Ref Lvl 29.09 dBm VBW 3 kHz
37 dBm 1.84998196 GHz SWT 560 ms Unit dBm



Title: Lower Band Edge
Comment A: GB310 Dual Band GSM 850 / GPRS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:31:27



Marker 1 [T1] RBW 3 kHz RF Att 60 dB
Ref Lvl 29.19 dBm VBW 3 kHz
37 dBm 1.90963727 GHz SWT 560 ms Unit dBm

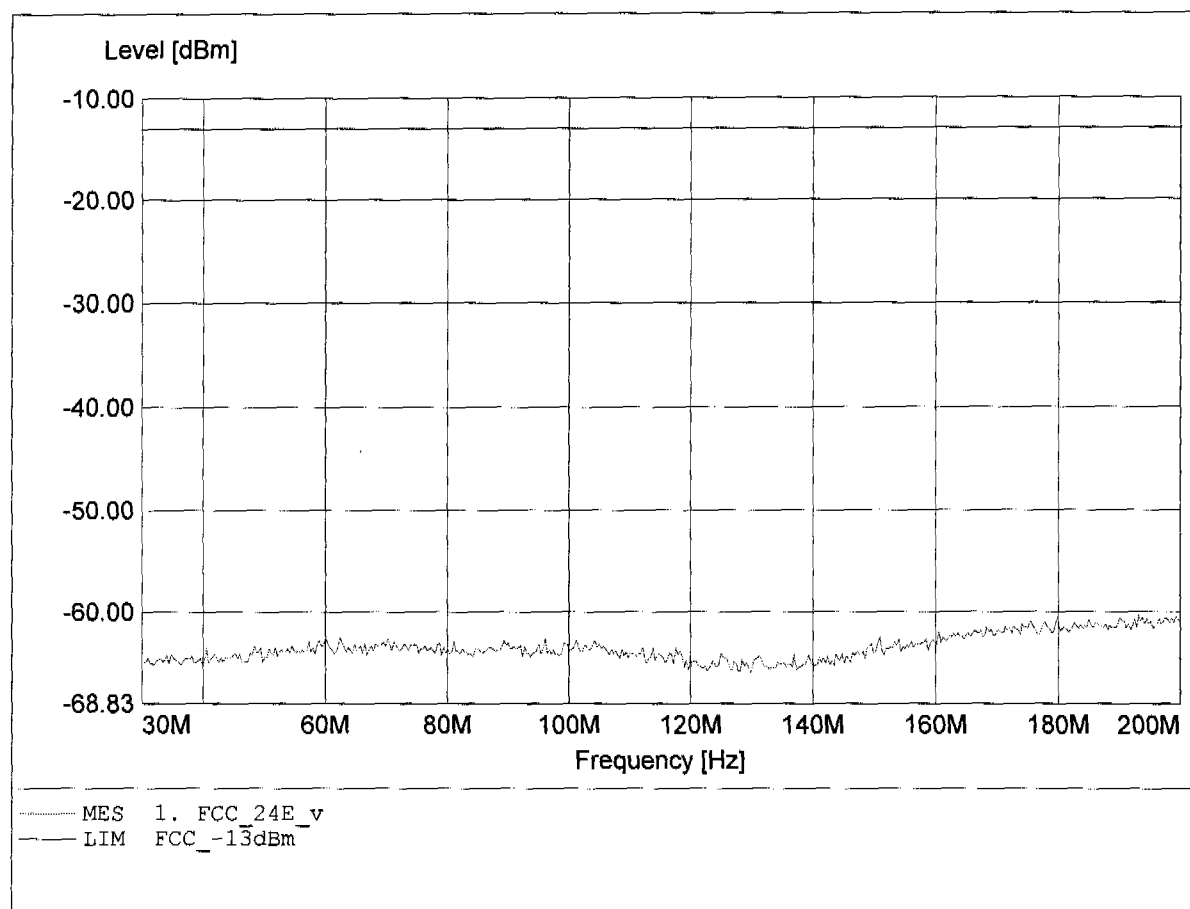


Title: Higher Band Edge
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 16:33:30

Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

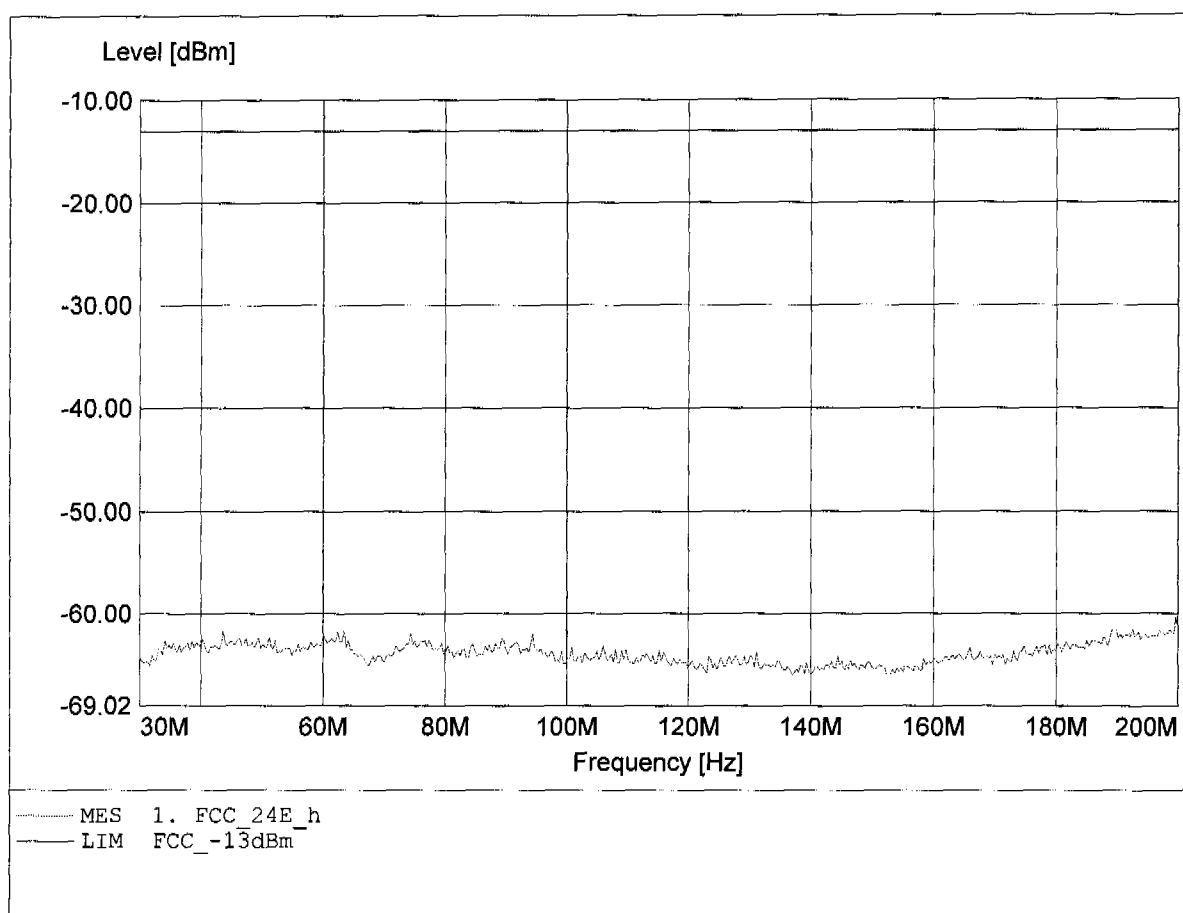
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 193.186MHz, Pmax: -60.35dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

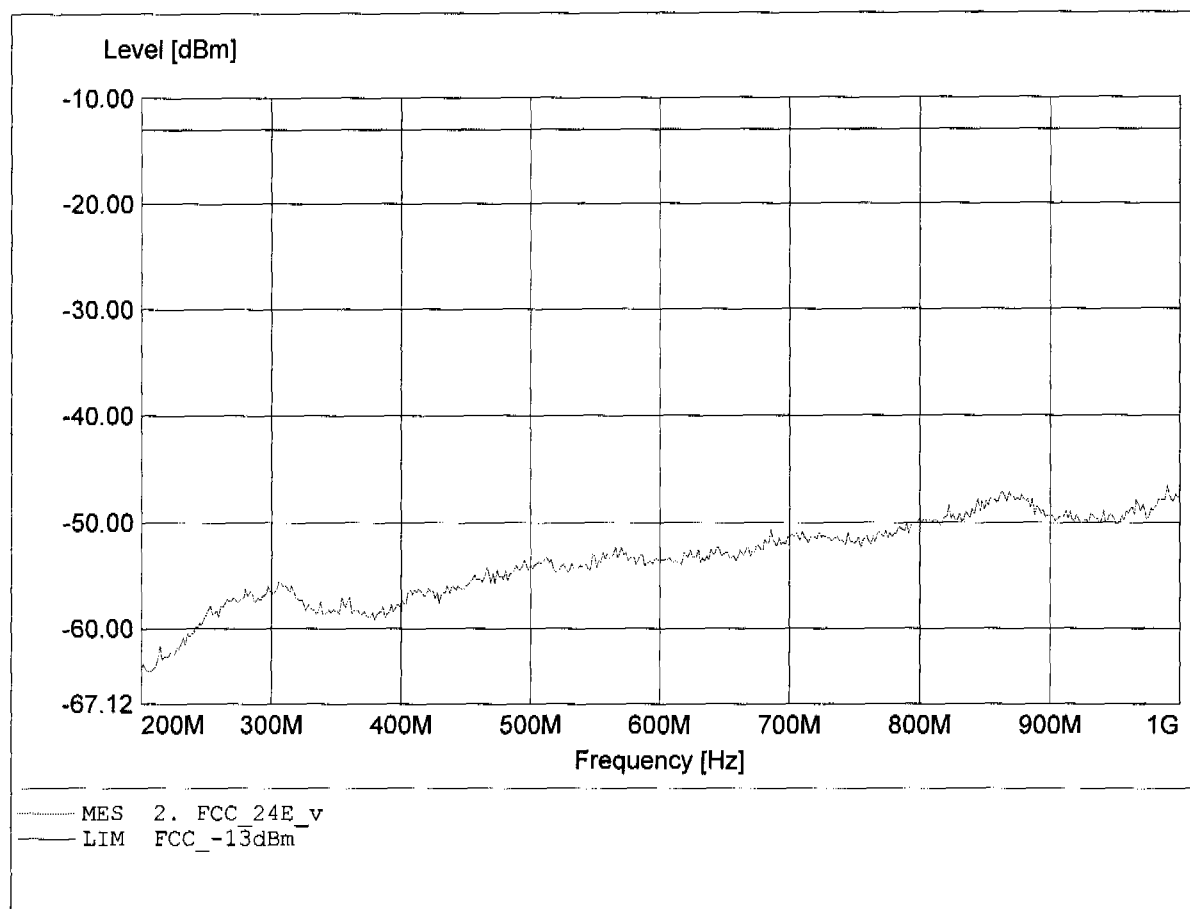
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 199.659MHz, Pmax: -60.41dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

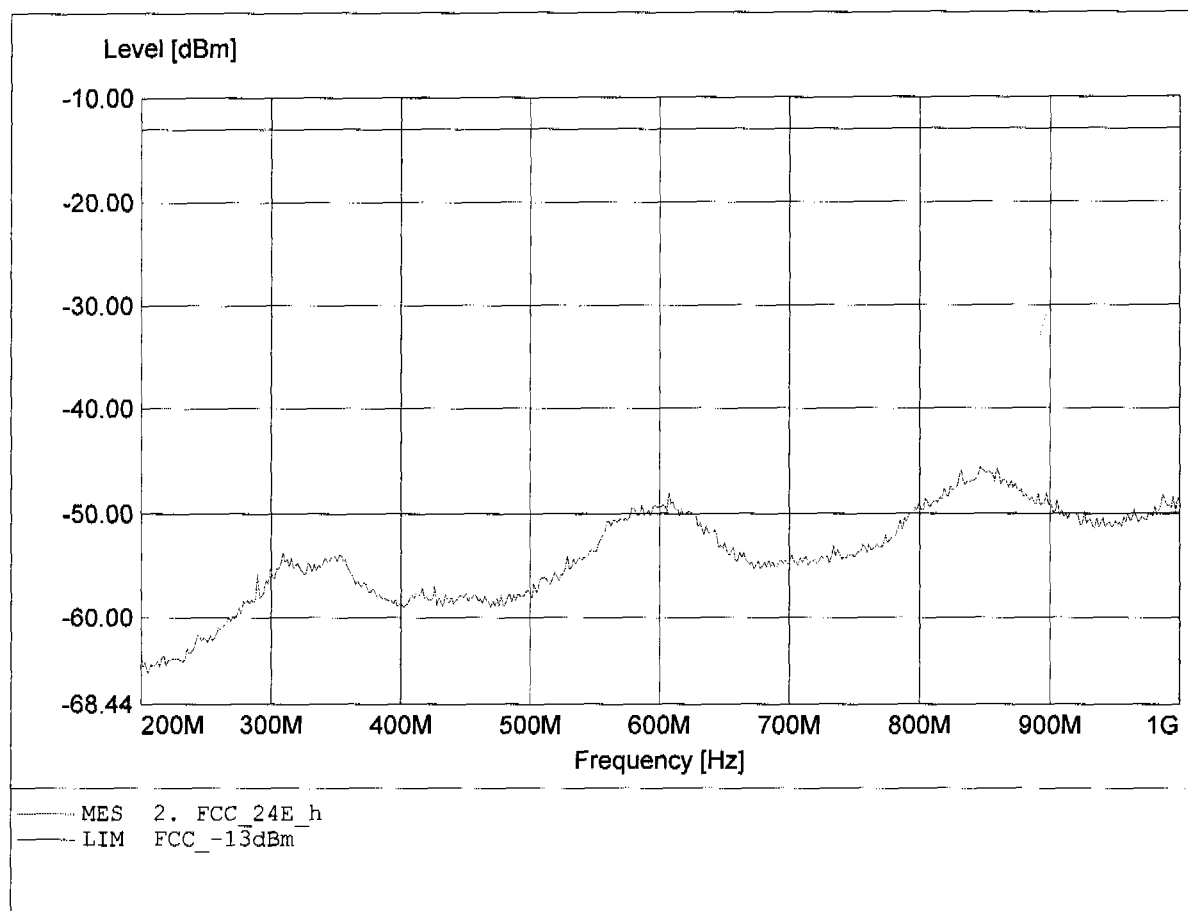
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 990.381MHz, Pmax: -46.52dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

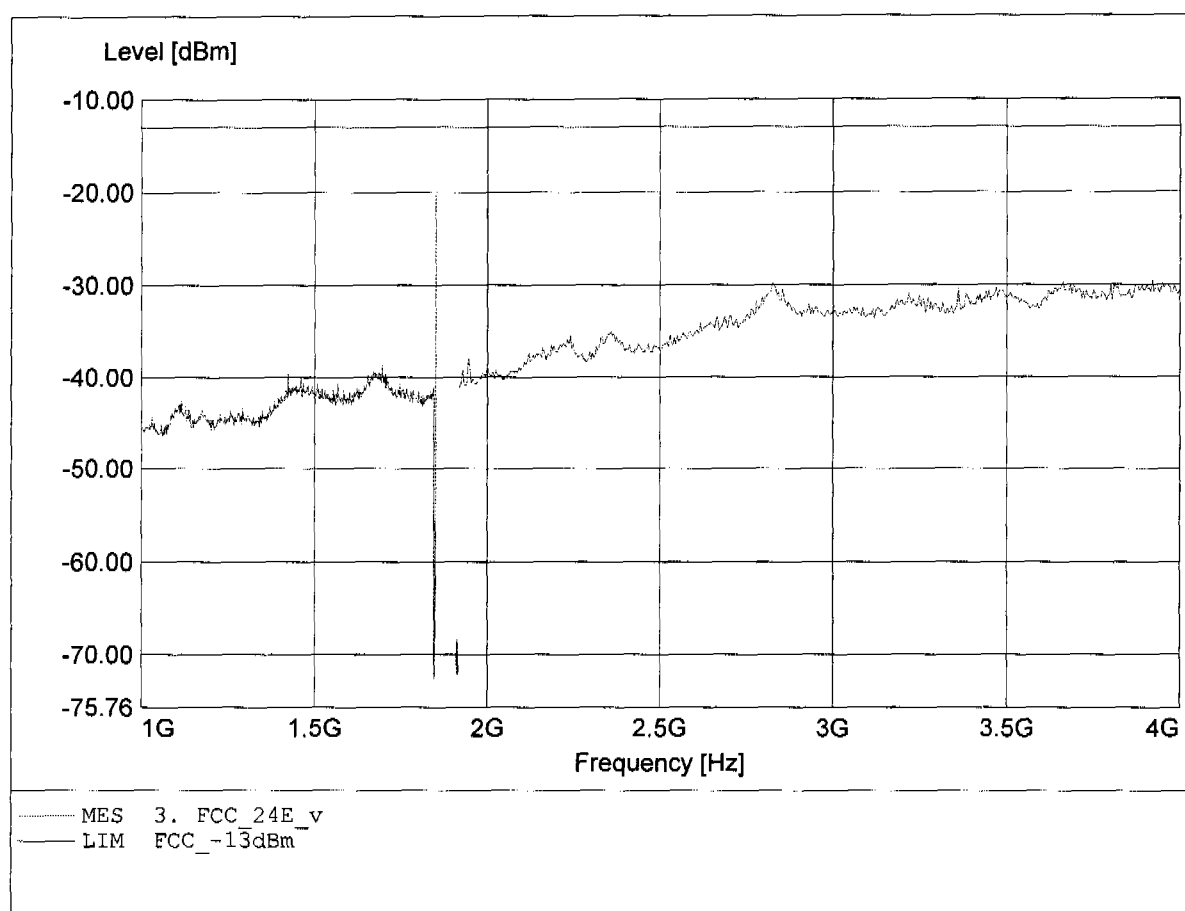
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 846.092MHz, Pmax: -45.64dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

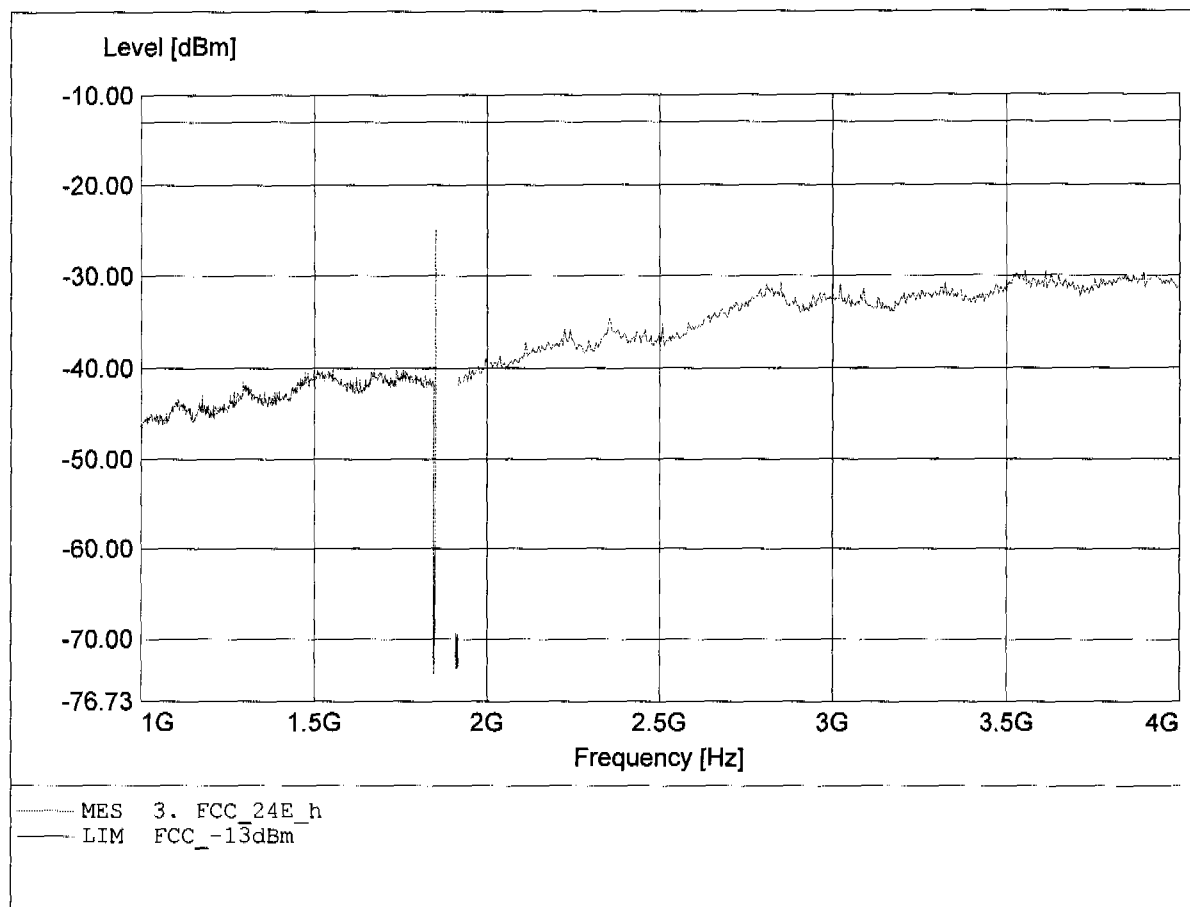
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.850GHz, Pmax: -20.27dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

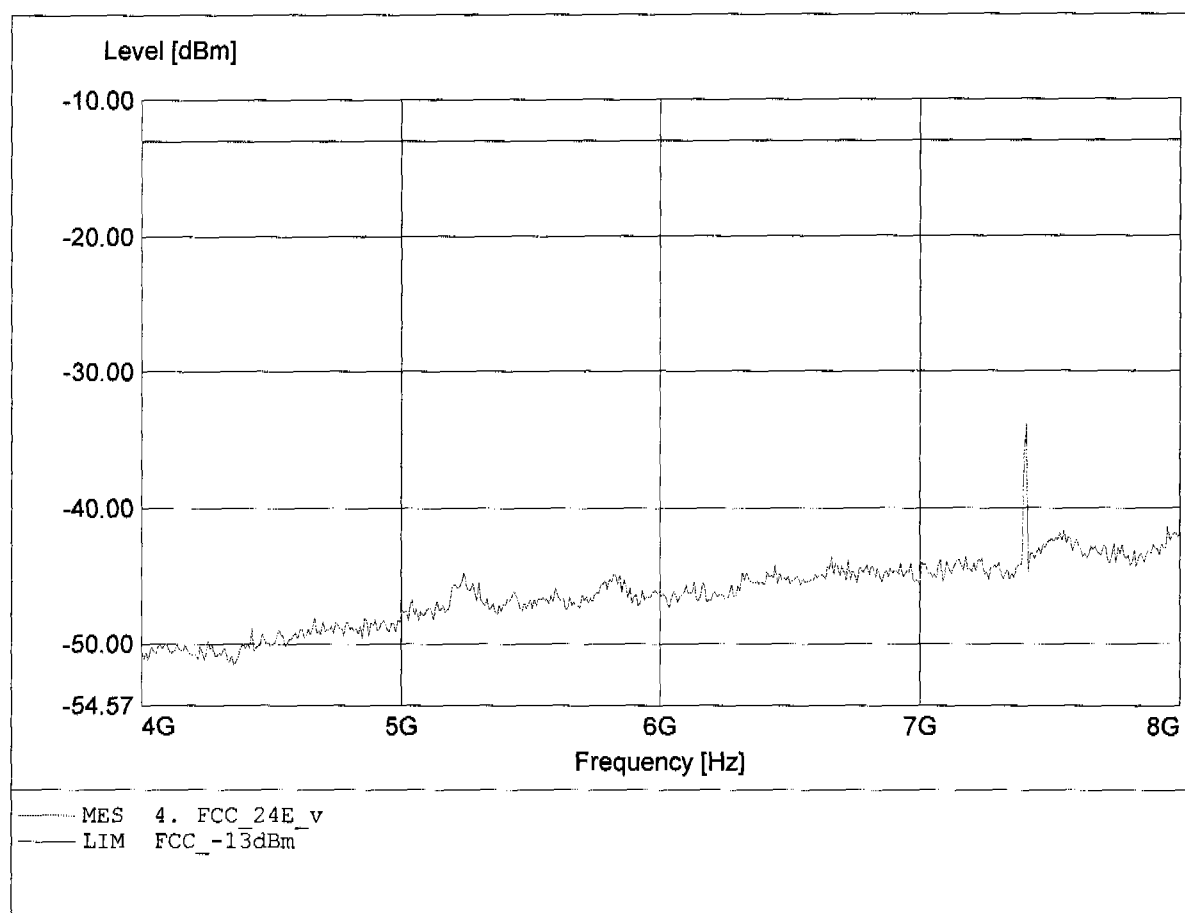
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.850GHz, Pmax: -24.80dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

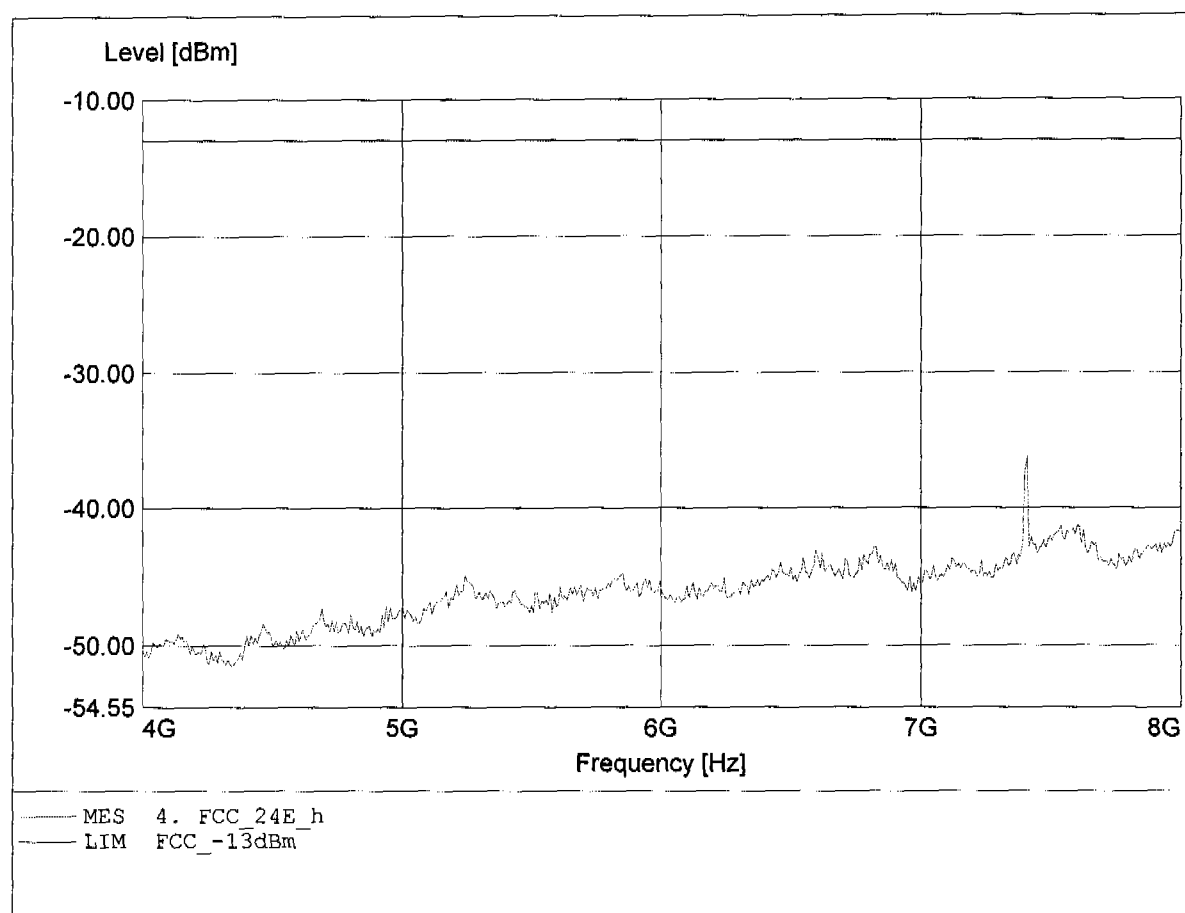
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.407GHz, Pmax: -33.93dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

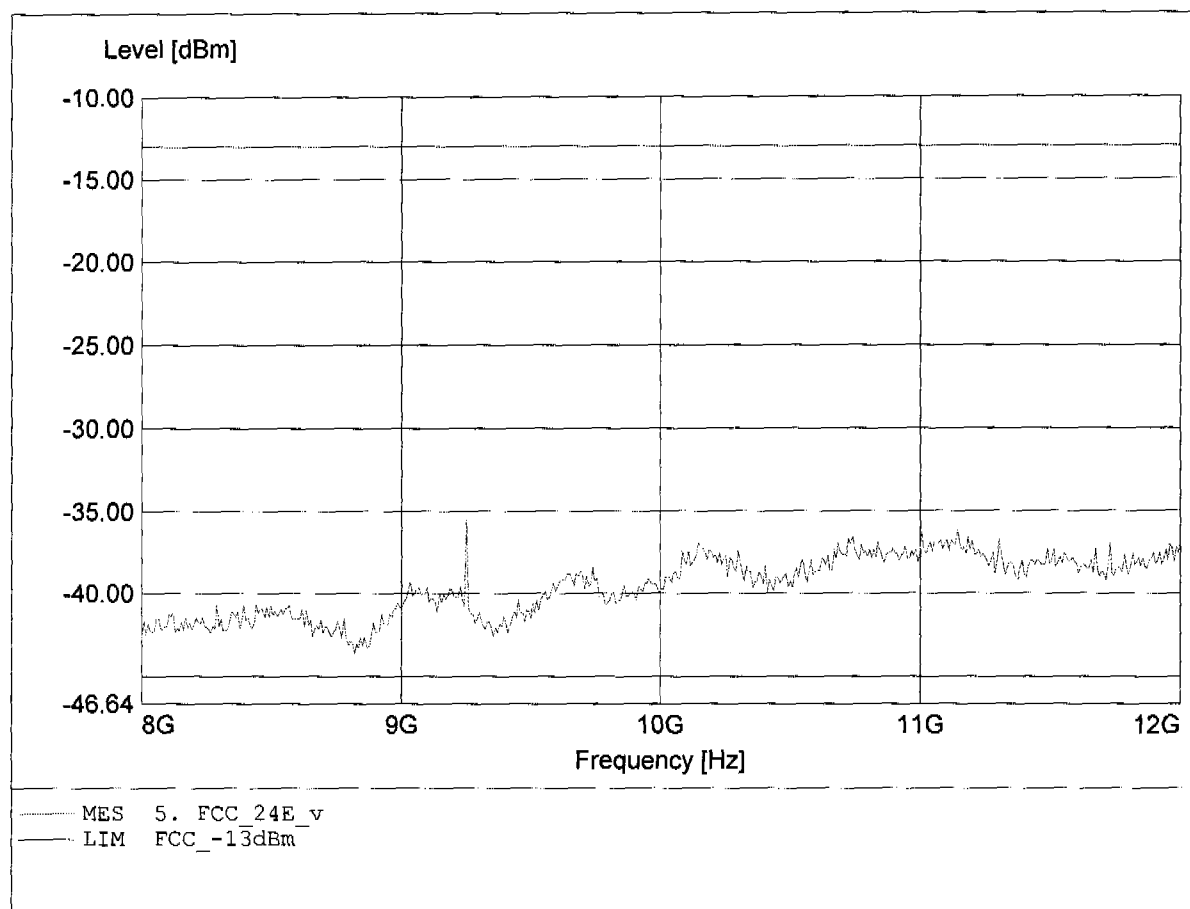
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.407GHz, Pmax: -36.18dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

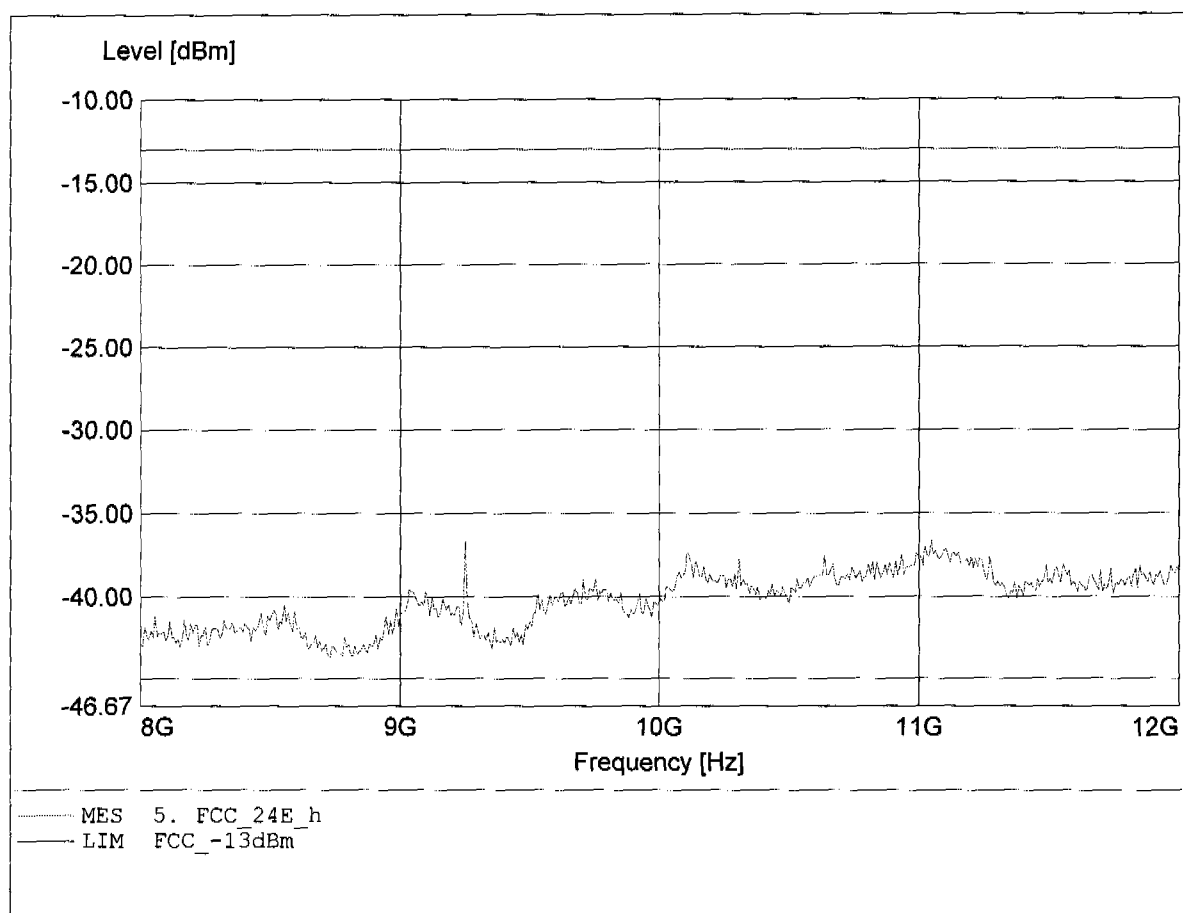
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 9.251GHz, Pmax: -35.55dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

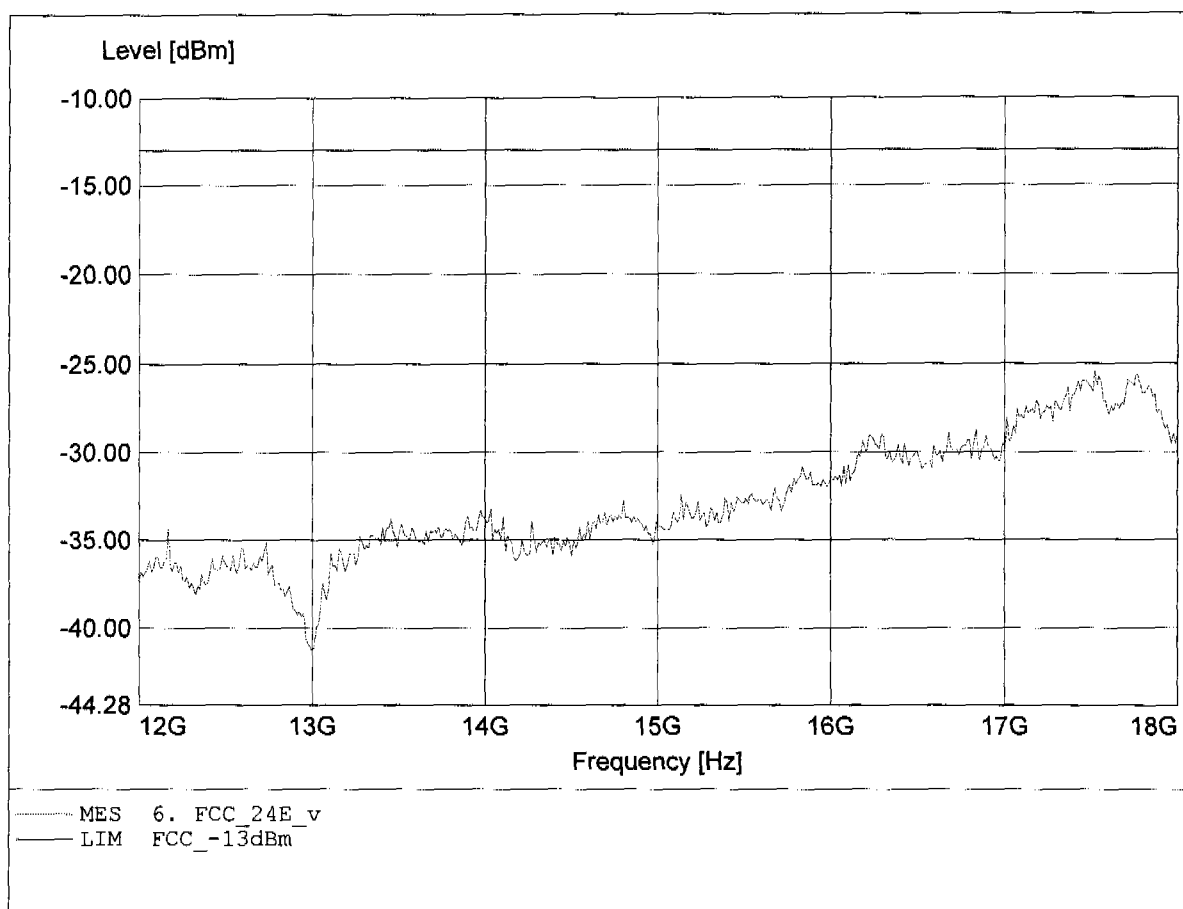
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.046GHz, Pmax: -36.62dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

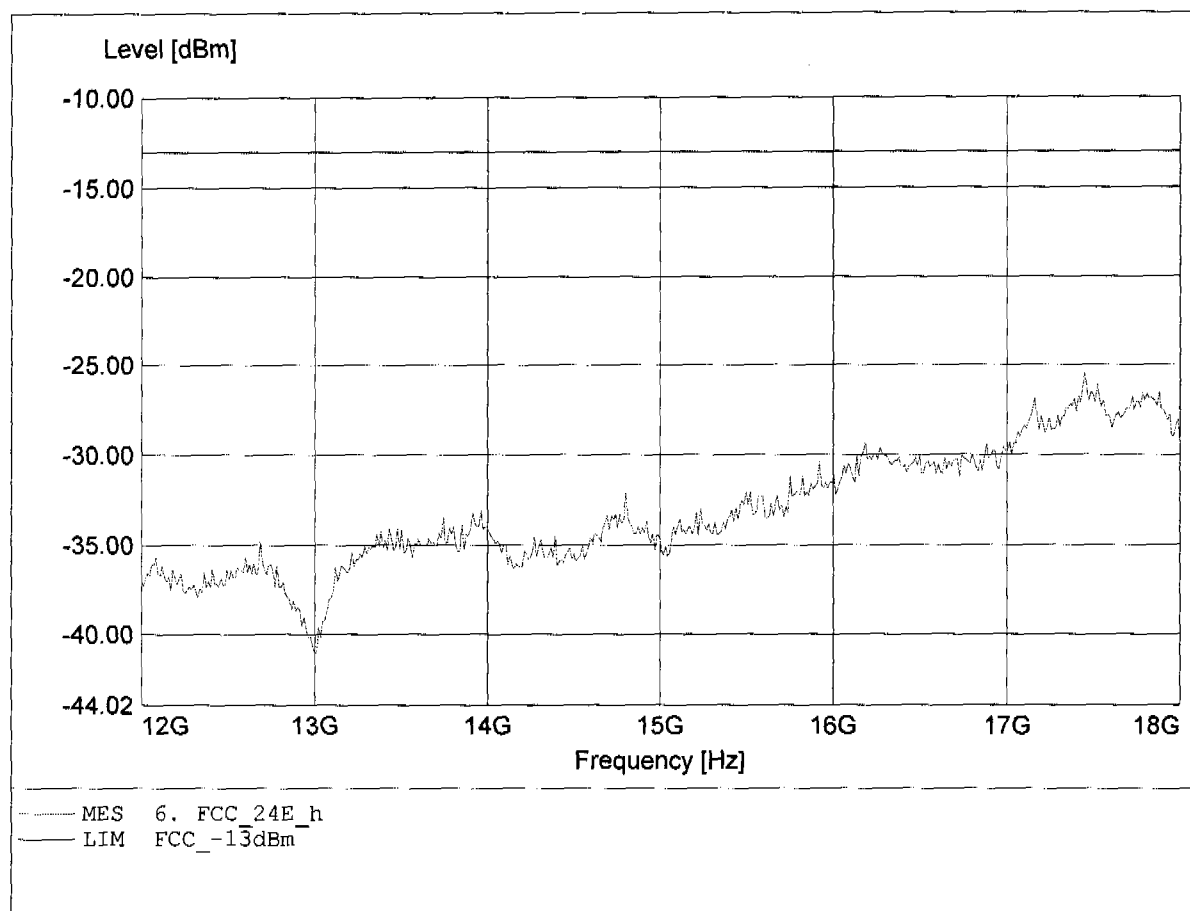
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.519GHz, Pmax: -25.43dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

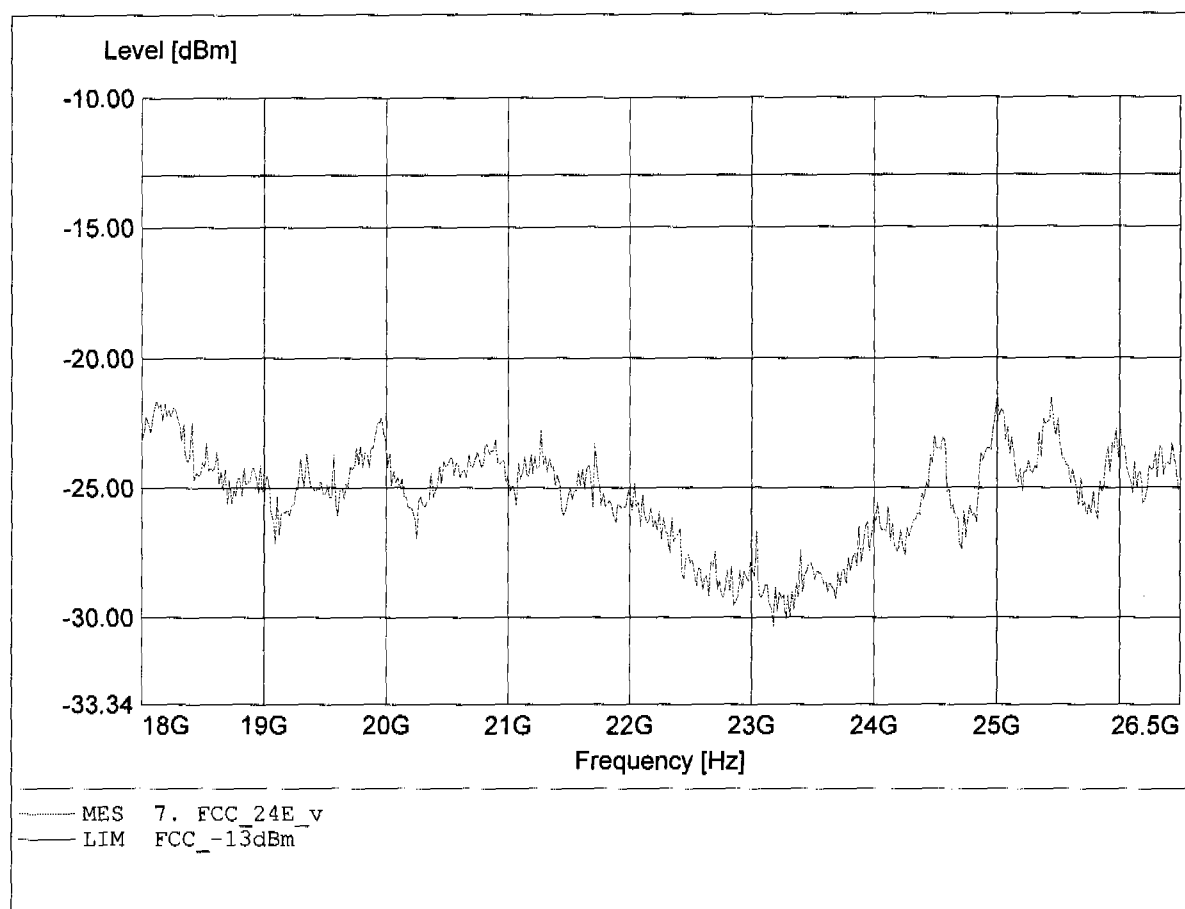
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.447GHz, Pmax: -25.47dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

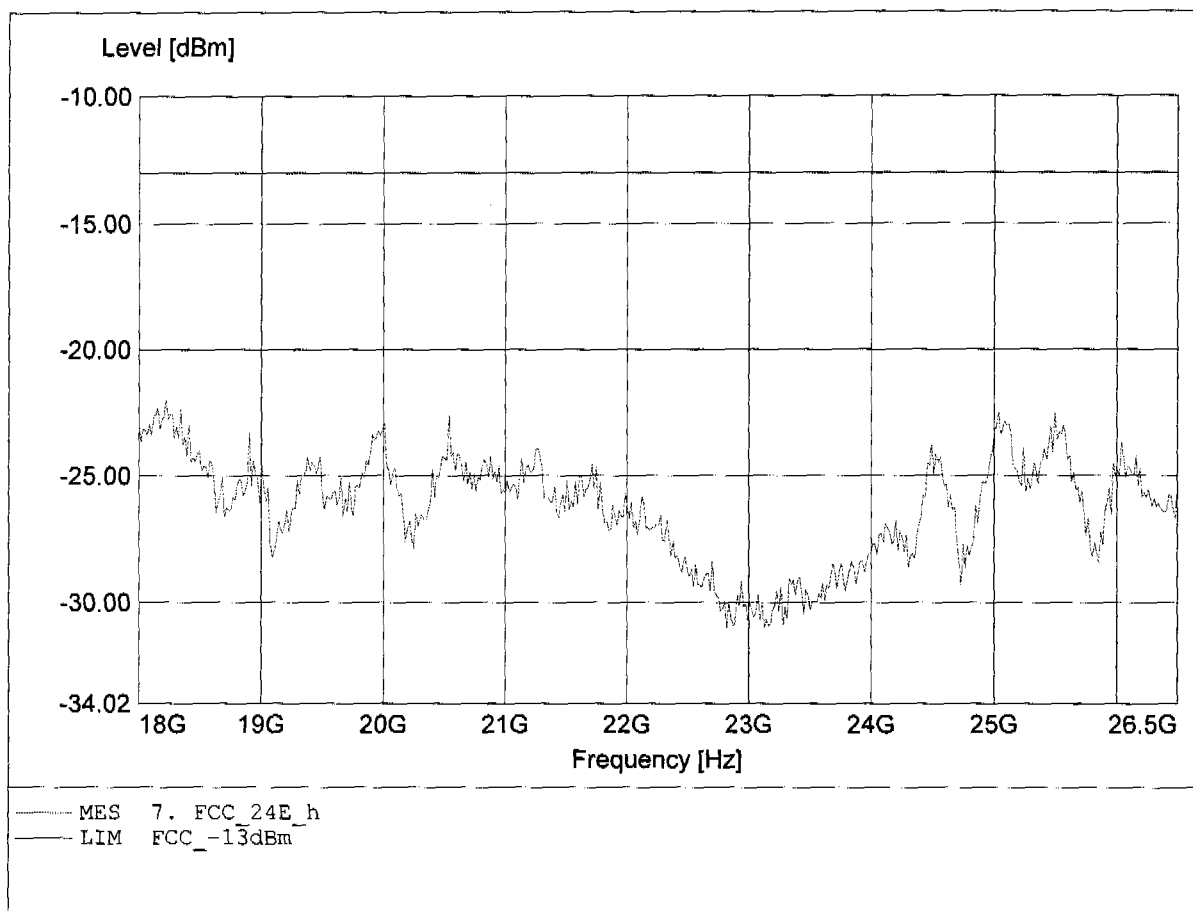
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.001GHz, Pmax: -21.40dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

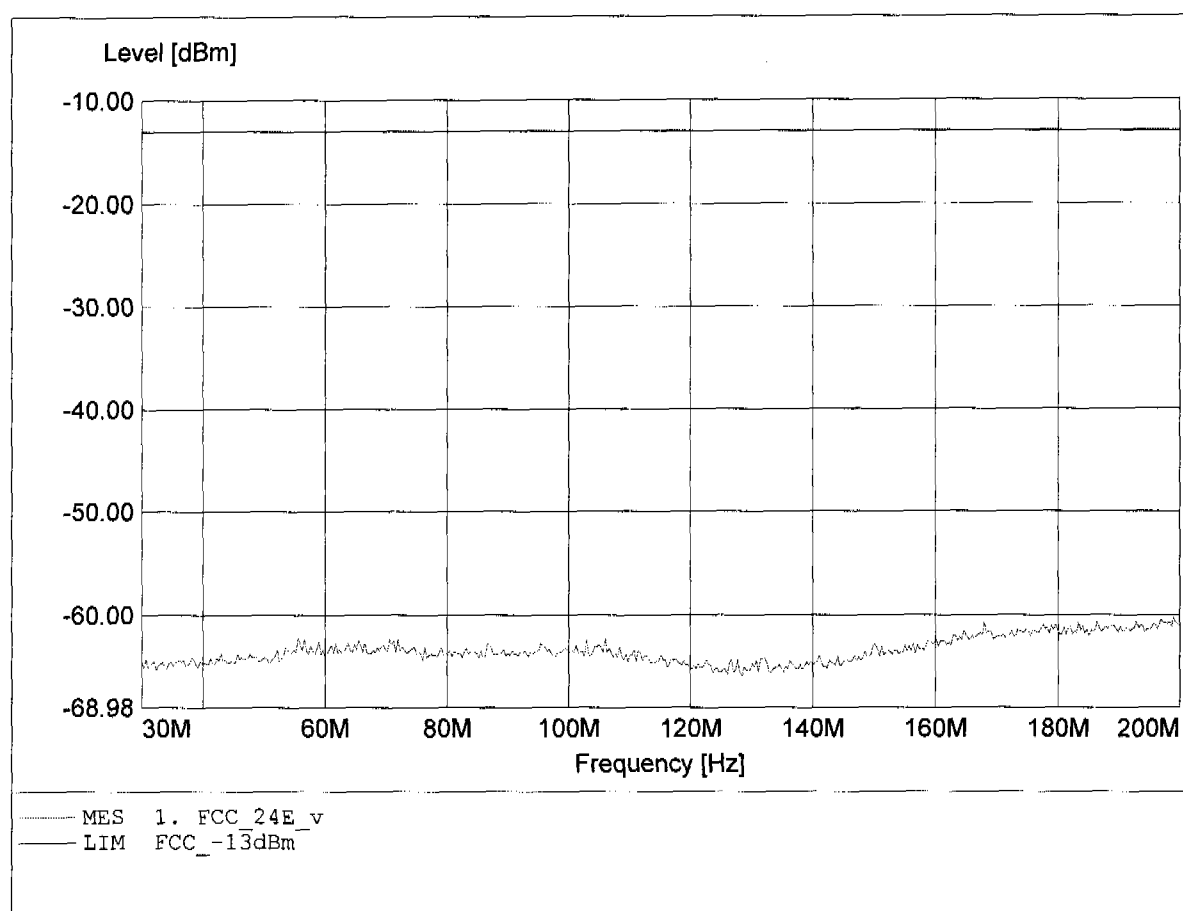
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 512
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 18.221GHz, Pmax: -21.95dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

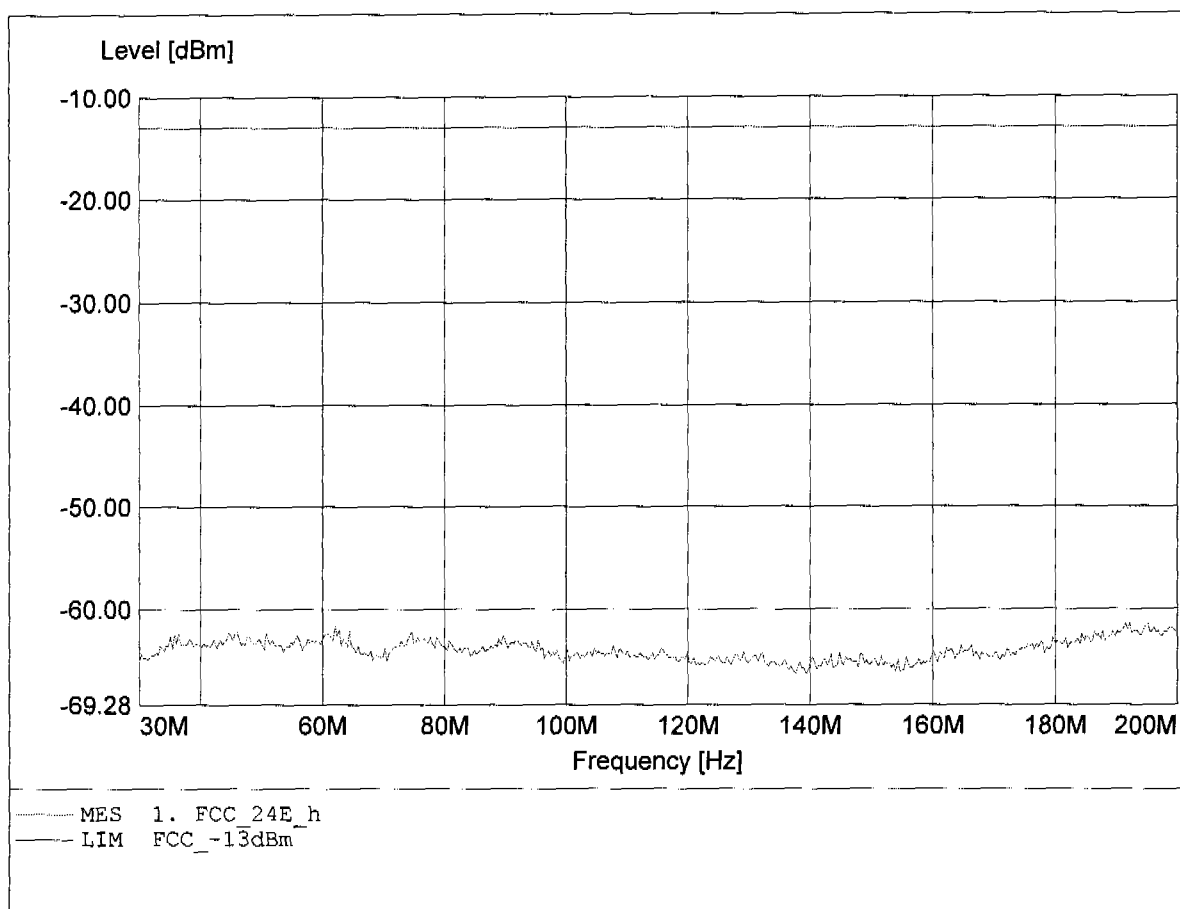
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Pmax: -60.24dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

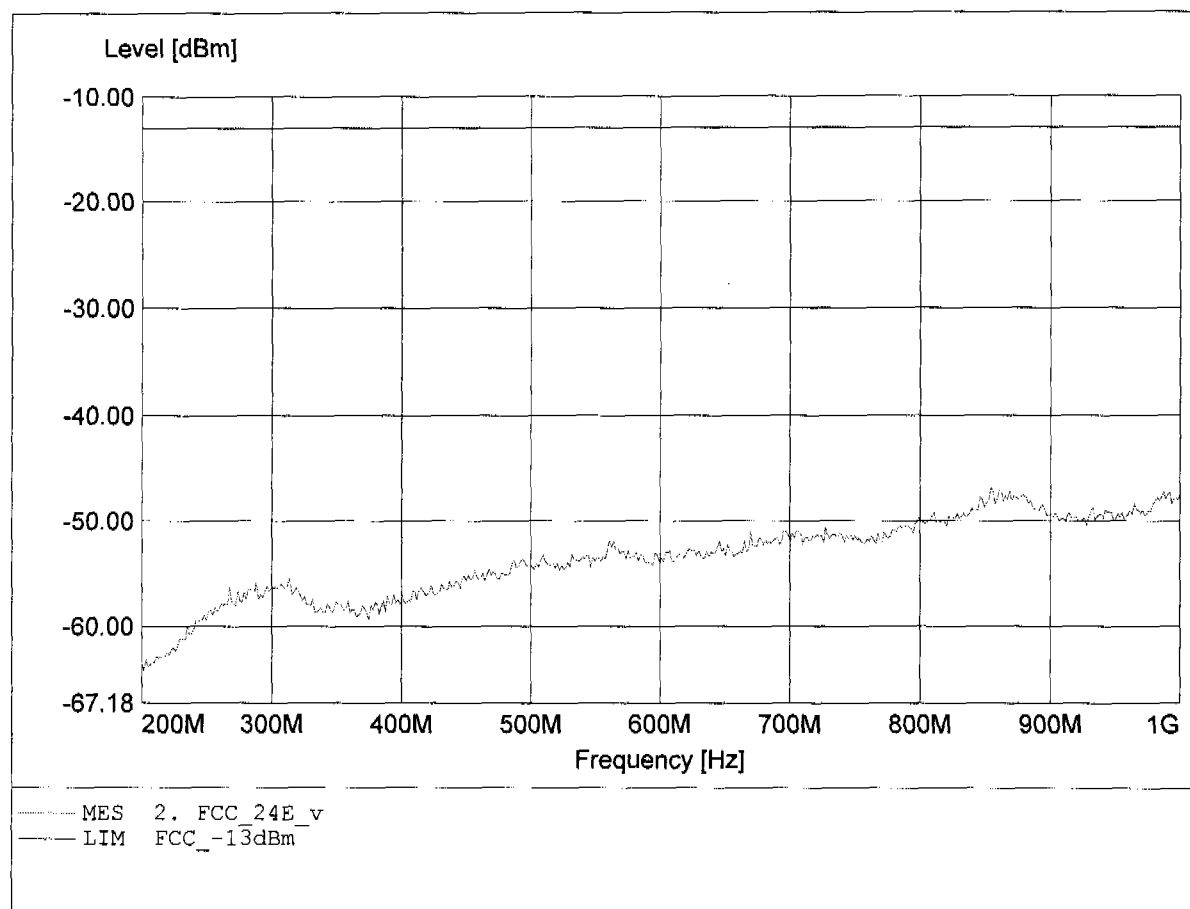
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.164MHz, Pmax: -61.29dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

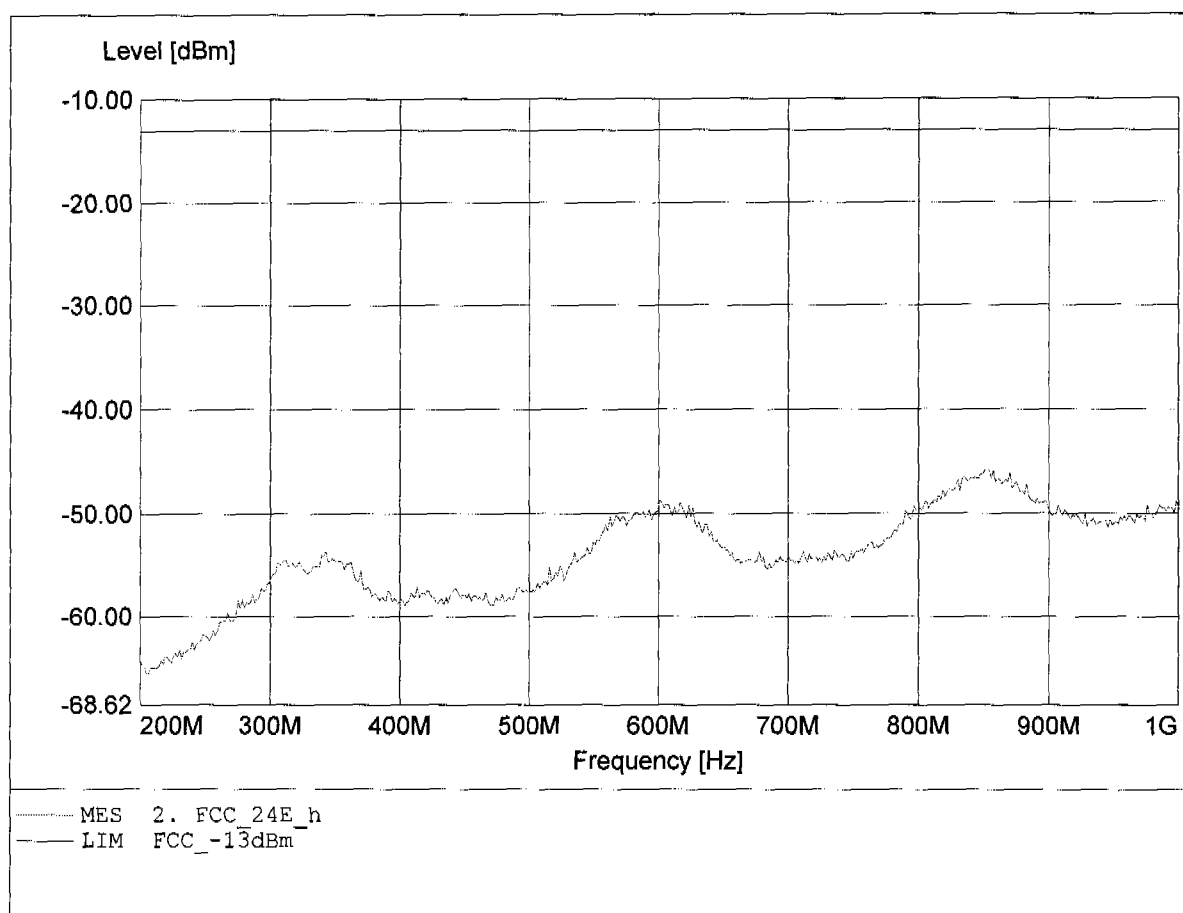
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 854.108MHz, Pmax: -46.79dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

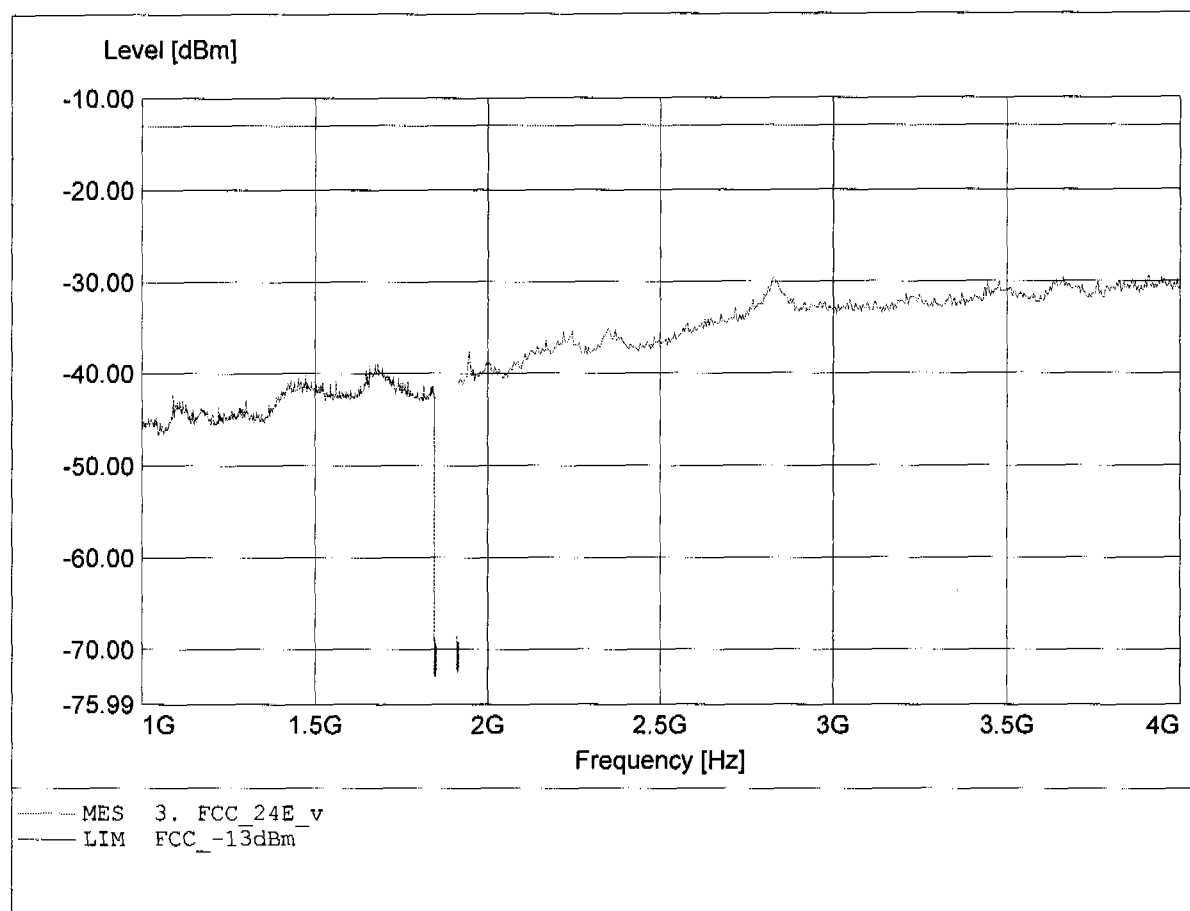
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 852.505MHz, Pmax: -45.73dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

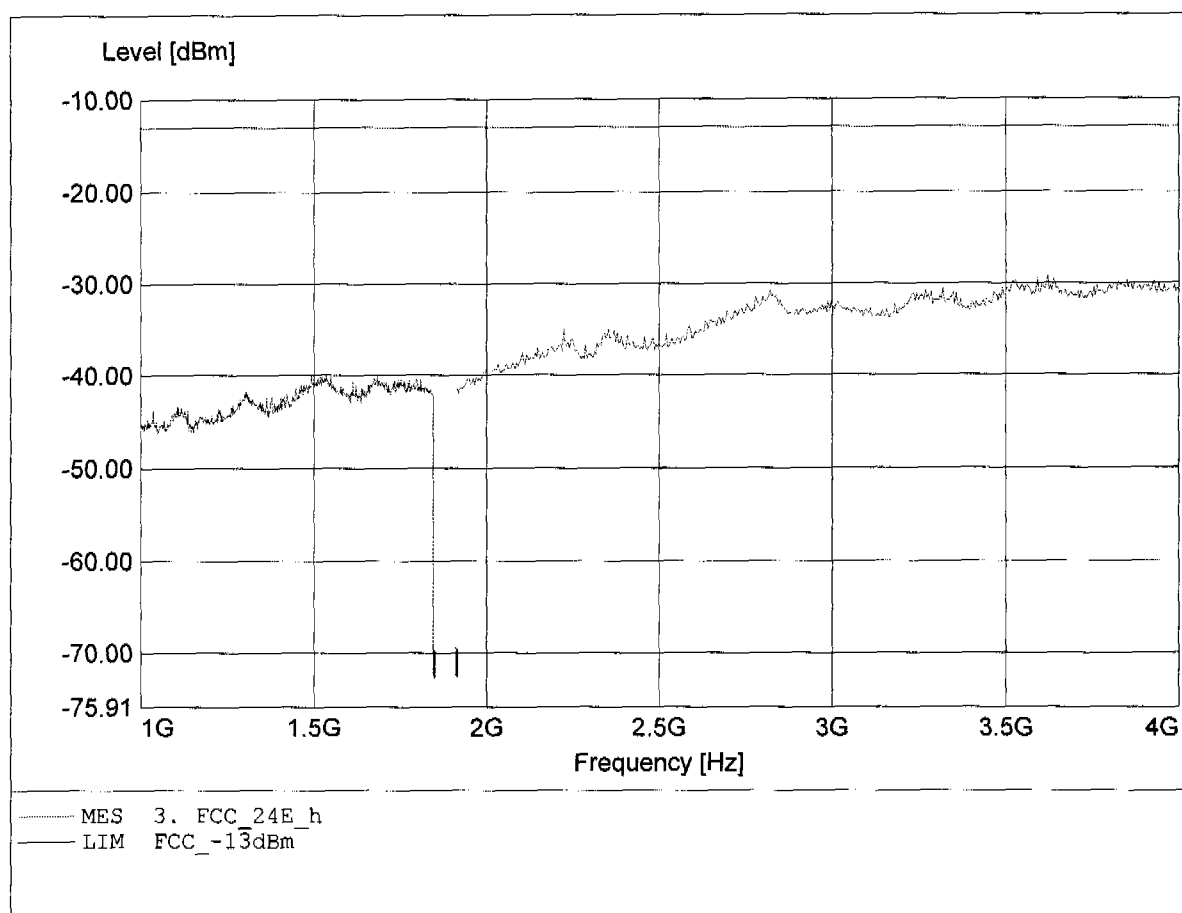
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.908GHz, Pmax: -29.40dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

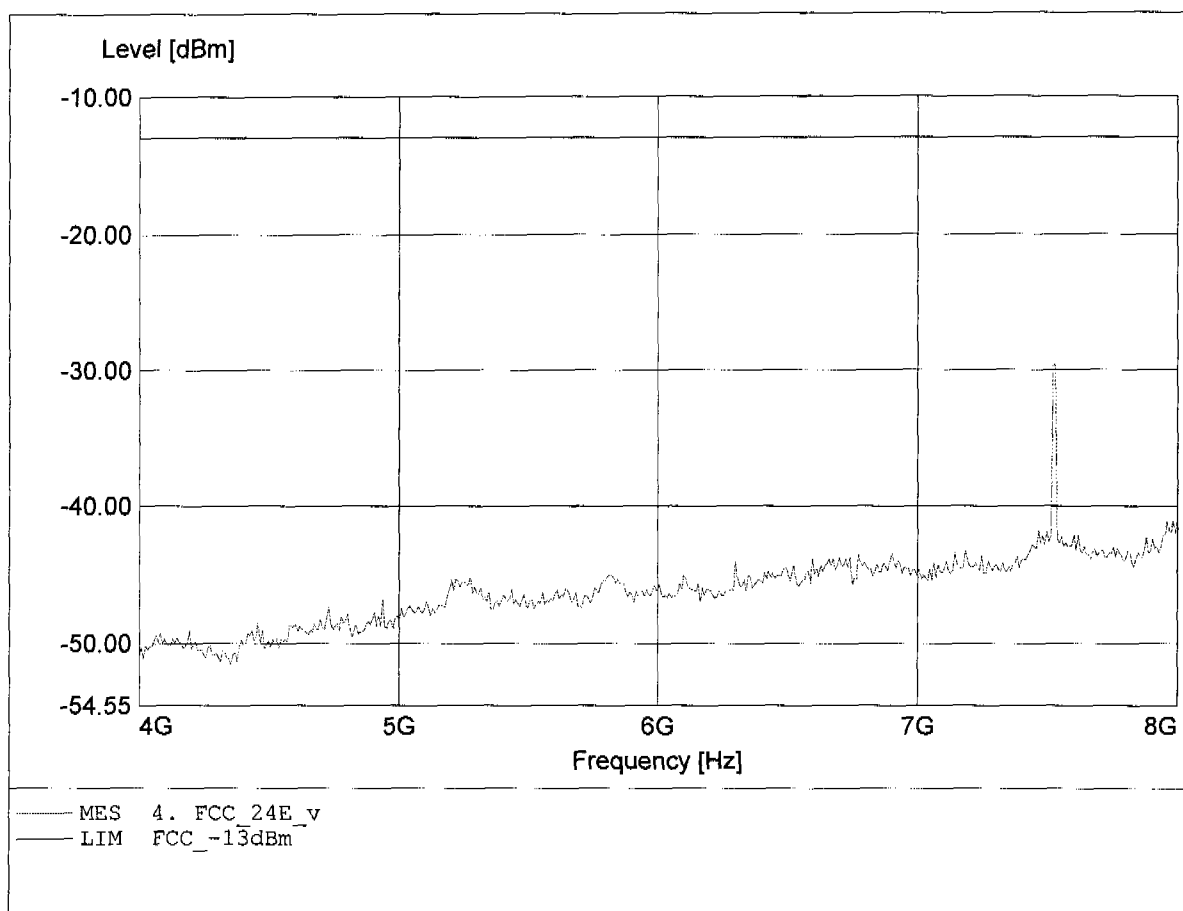
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.620GHz, Pmax: -29.15dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

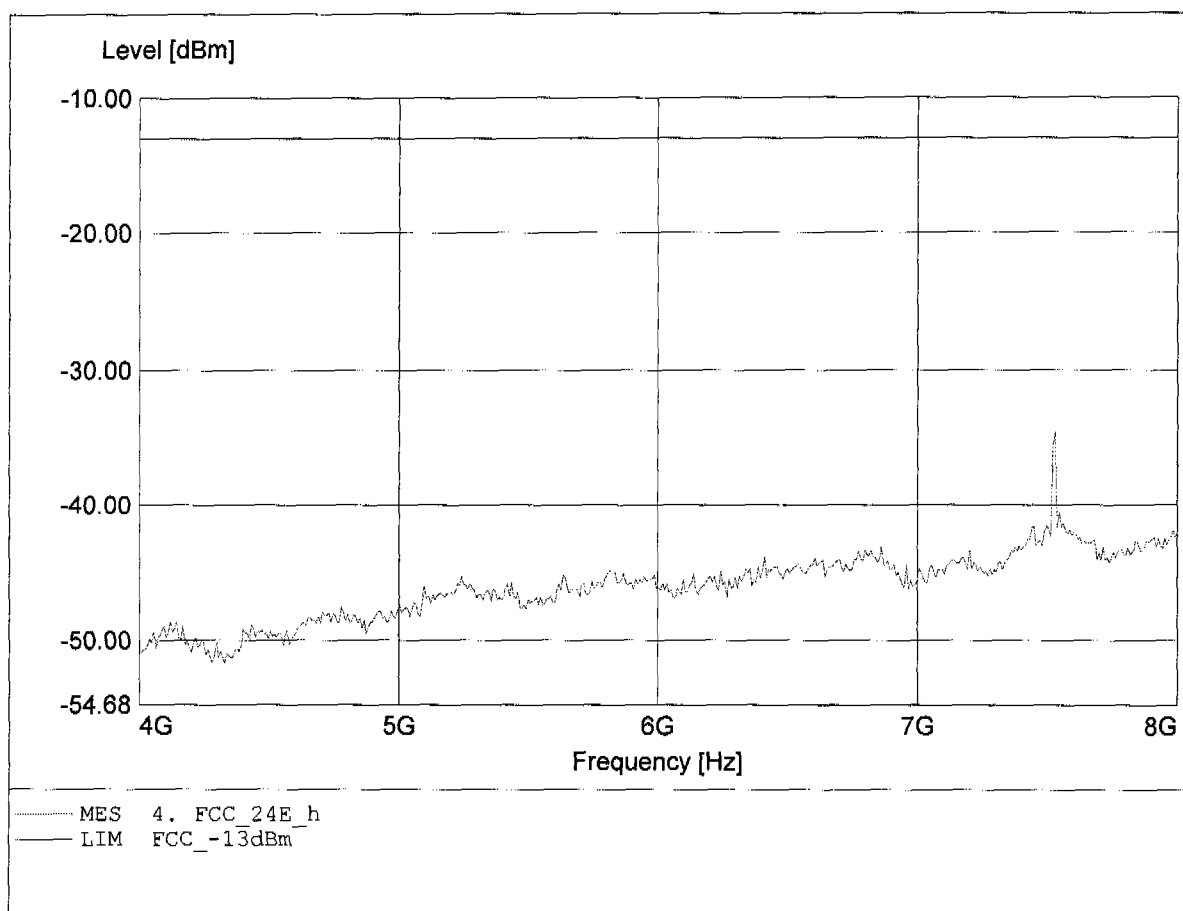
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.519GHz, Pmax: -29.55dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

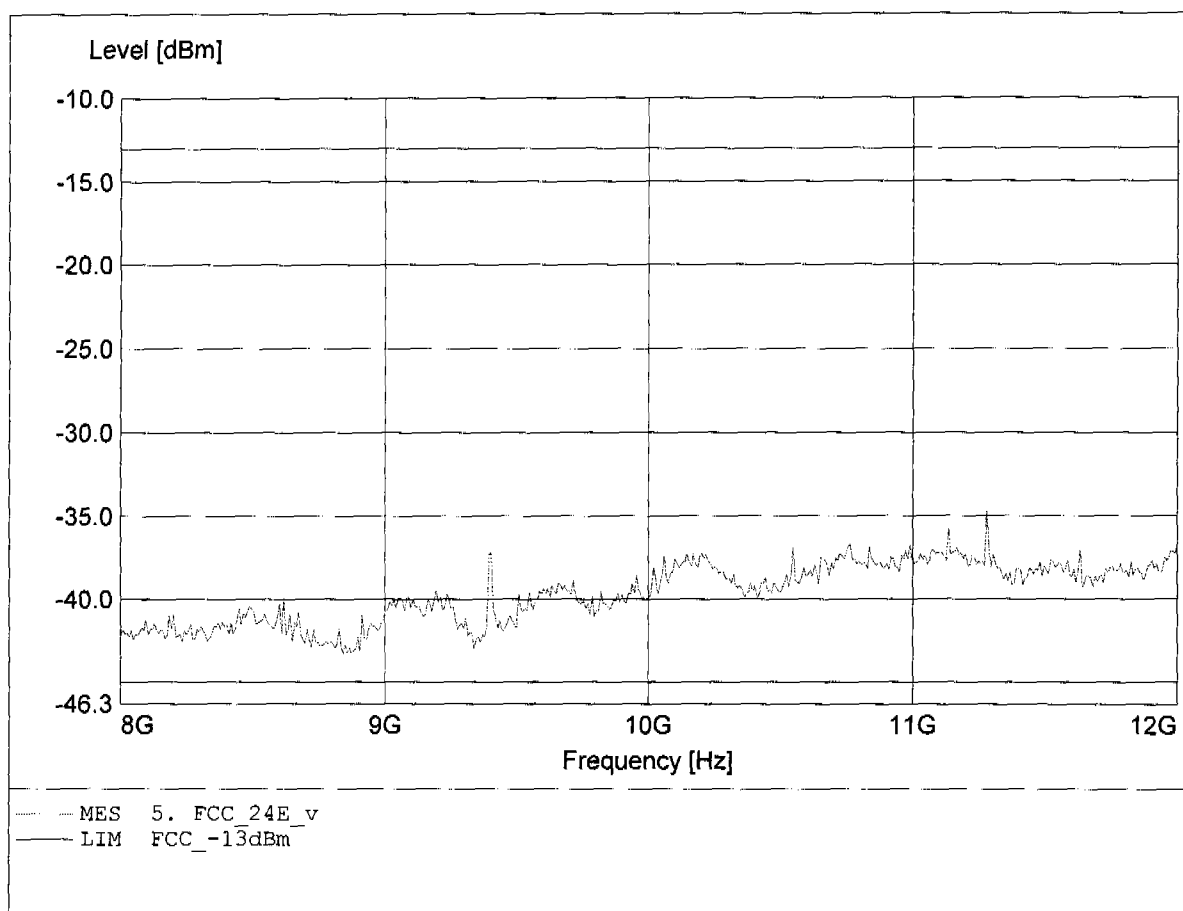
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.527GHz, Pmax: -34.62dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

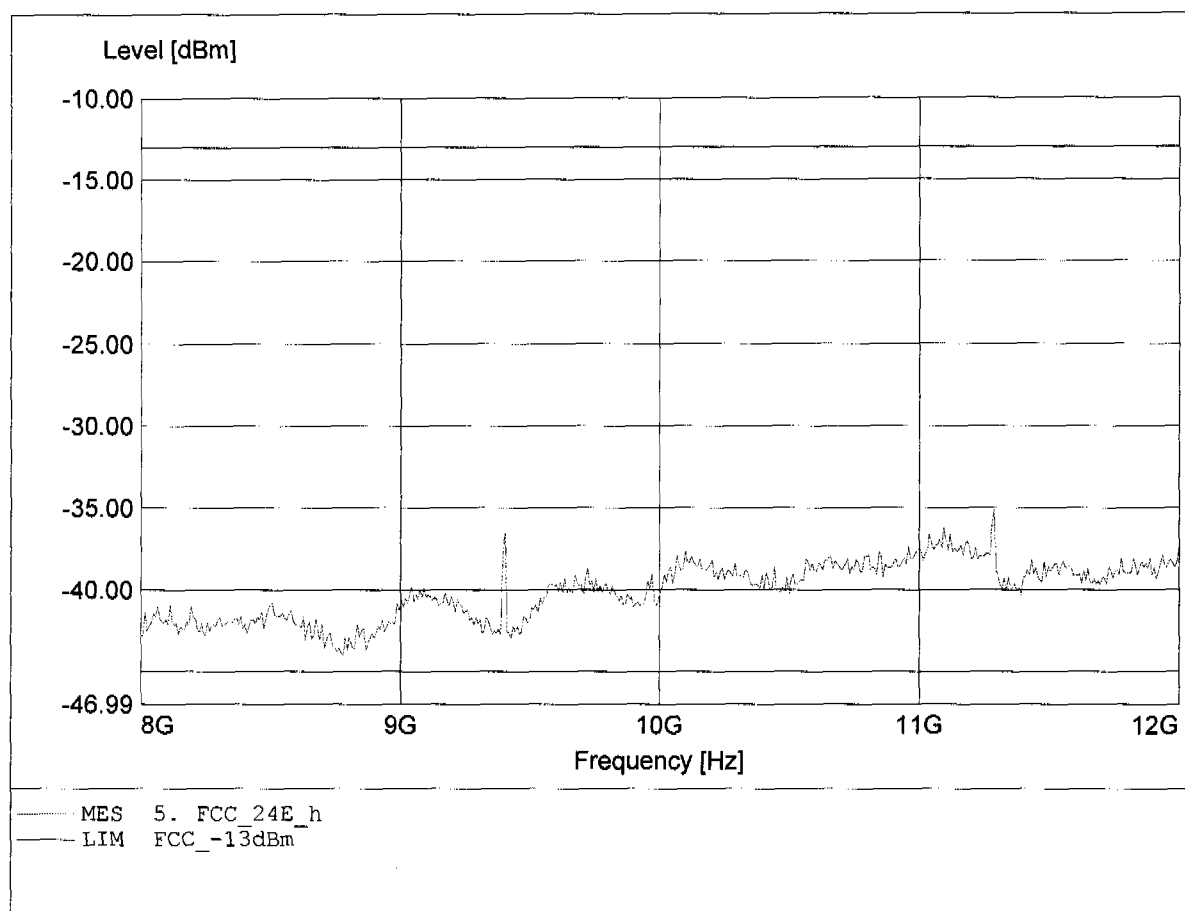
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.279GHz, Pmax: -34.68dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

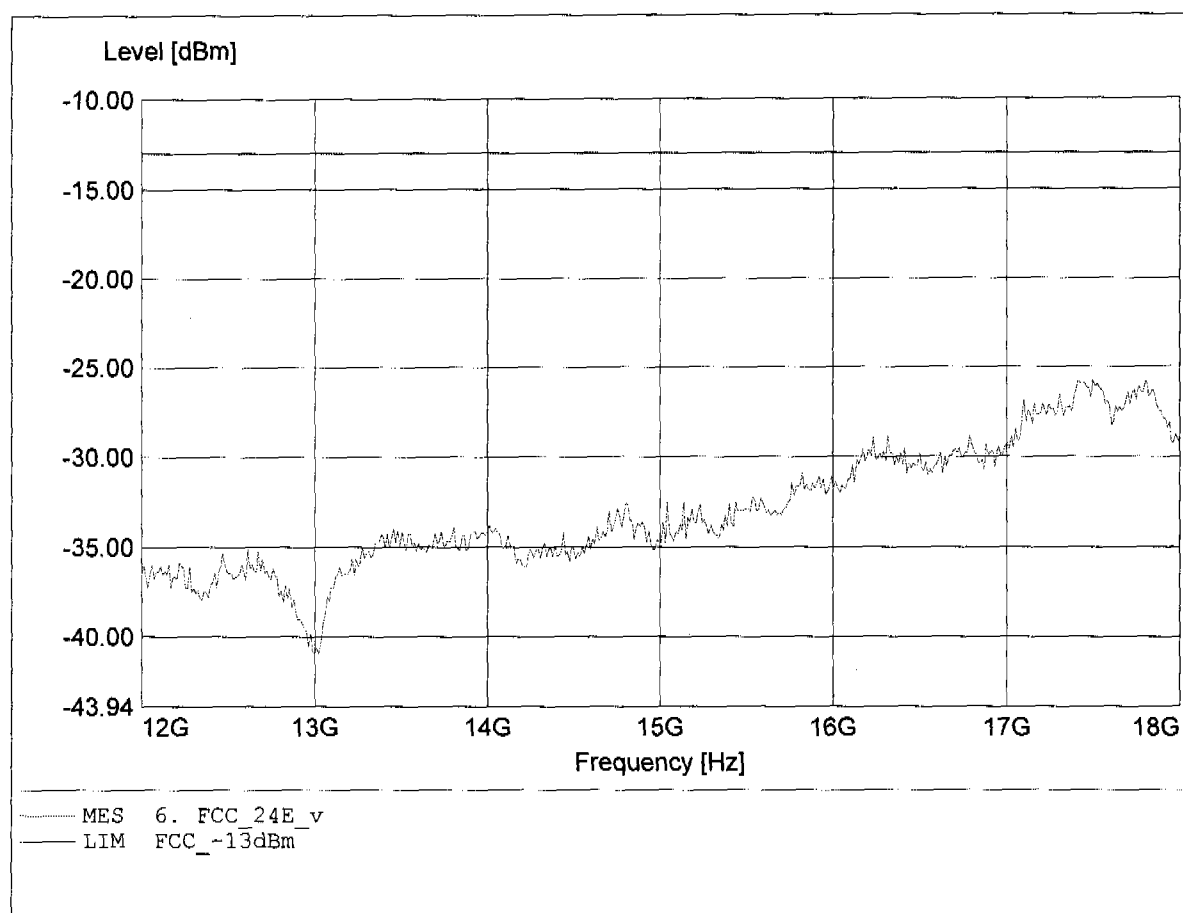
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.287GHz, Pmax: -35.05dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

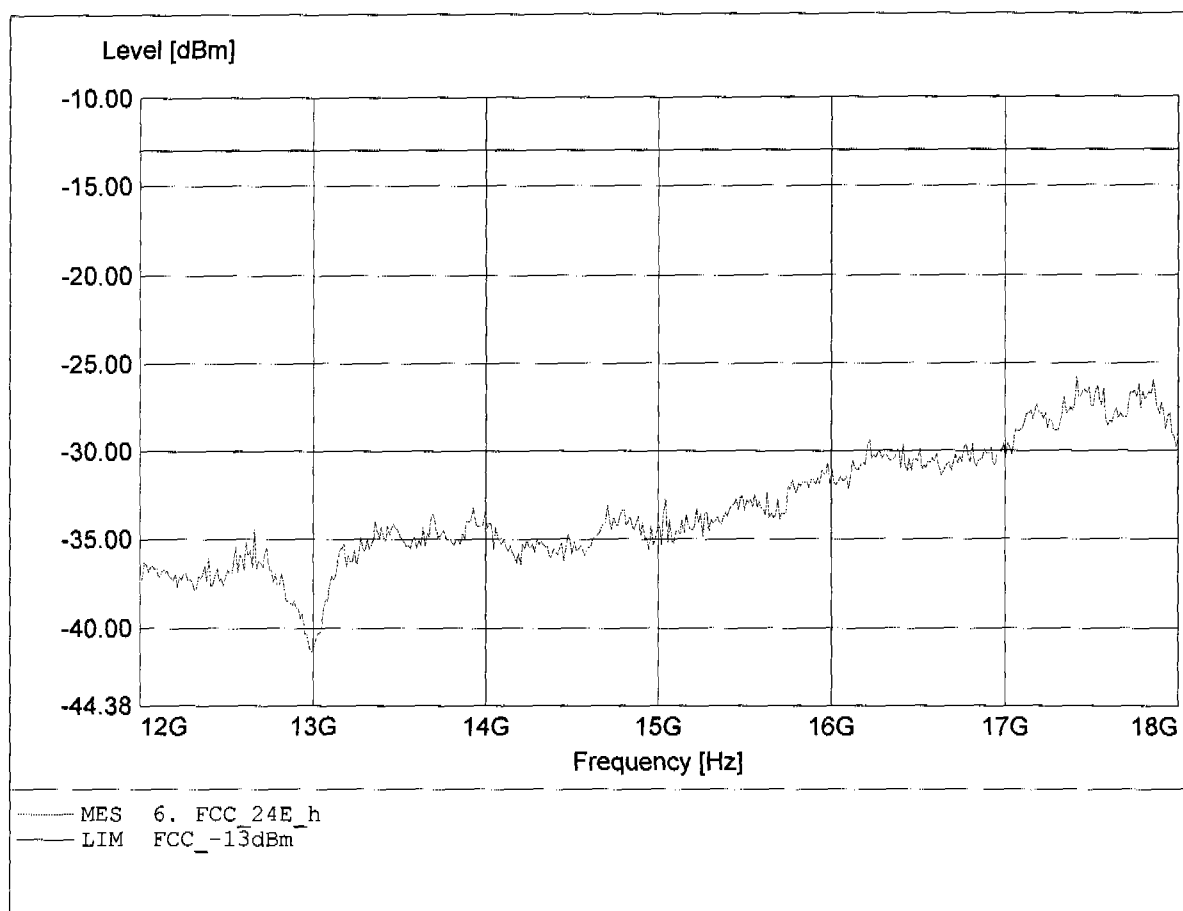
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.495GHz, Pmax: -25.74dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

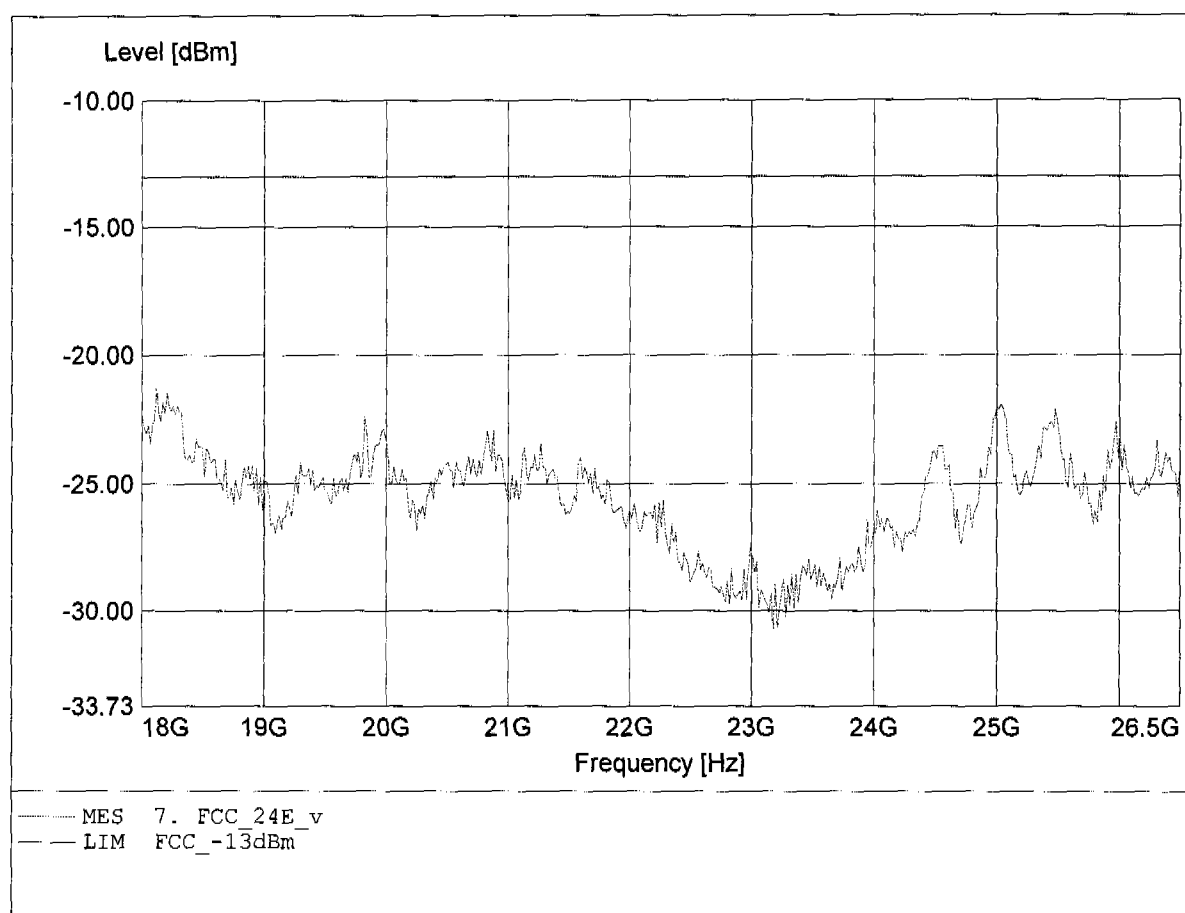
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.411GHz, Pmax: -25.75dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

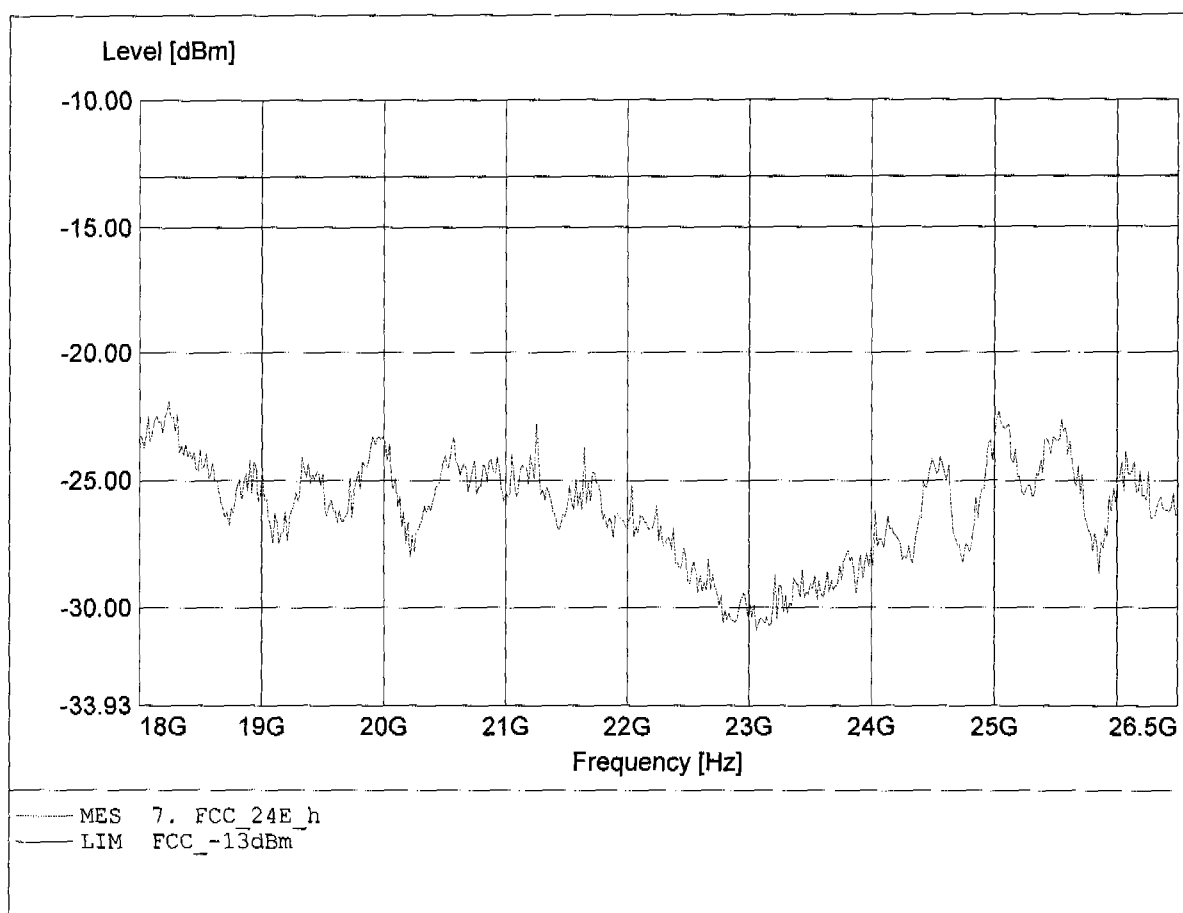
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 18.119GHz, Pmax: -21.25dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

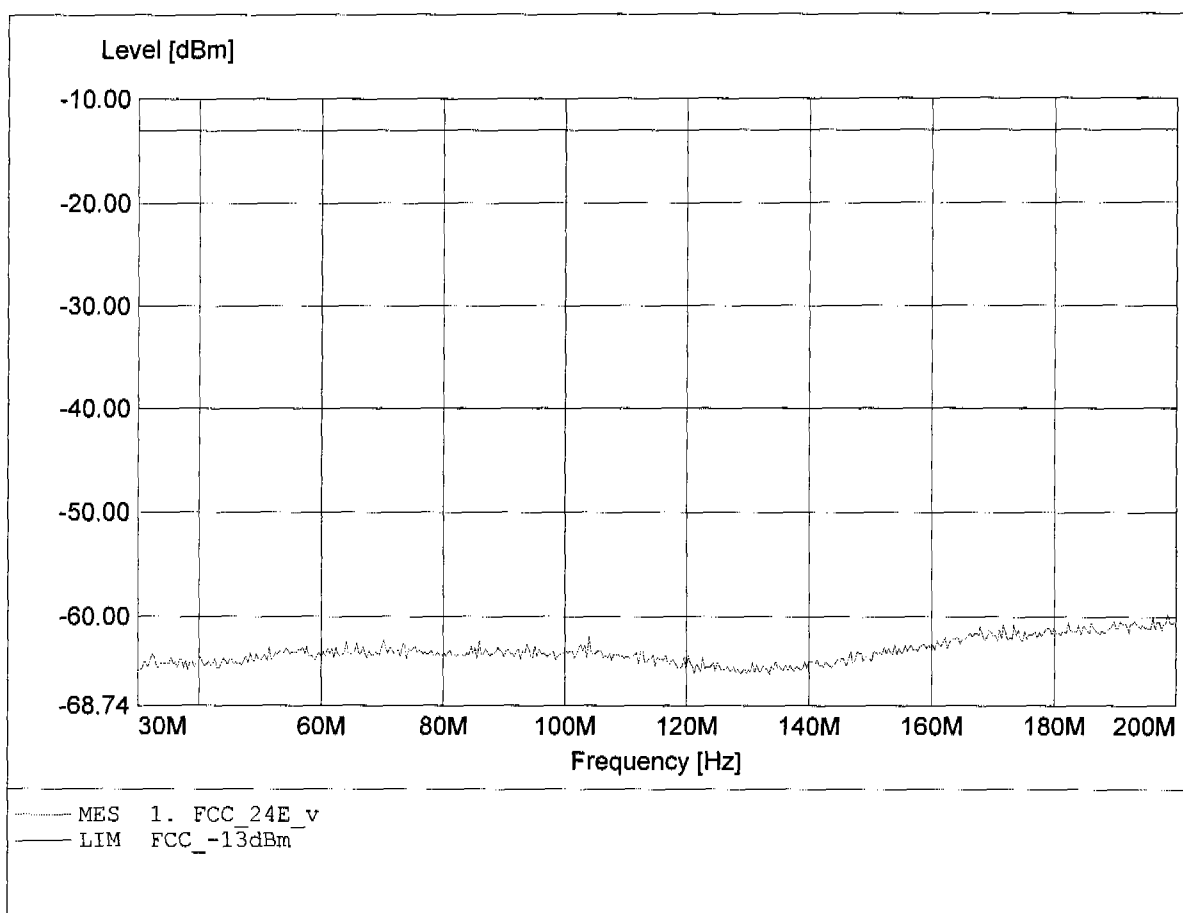
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 661
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 18.238GHz, Pmax: -21.92dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

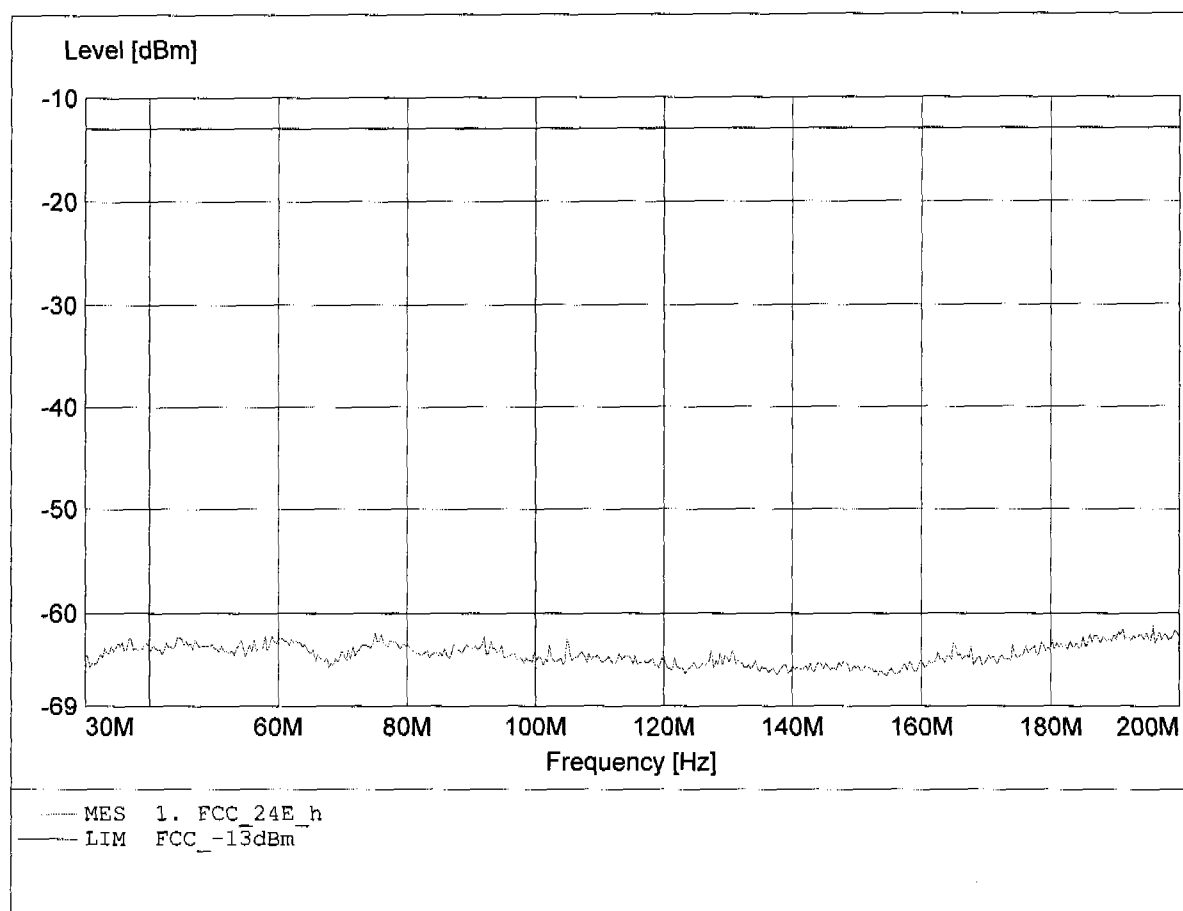
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.637MHz, Pmax: -59.68dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

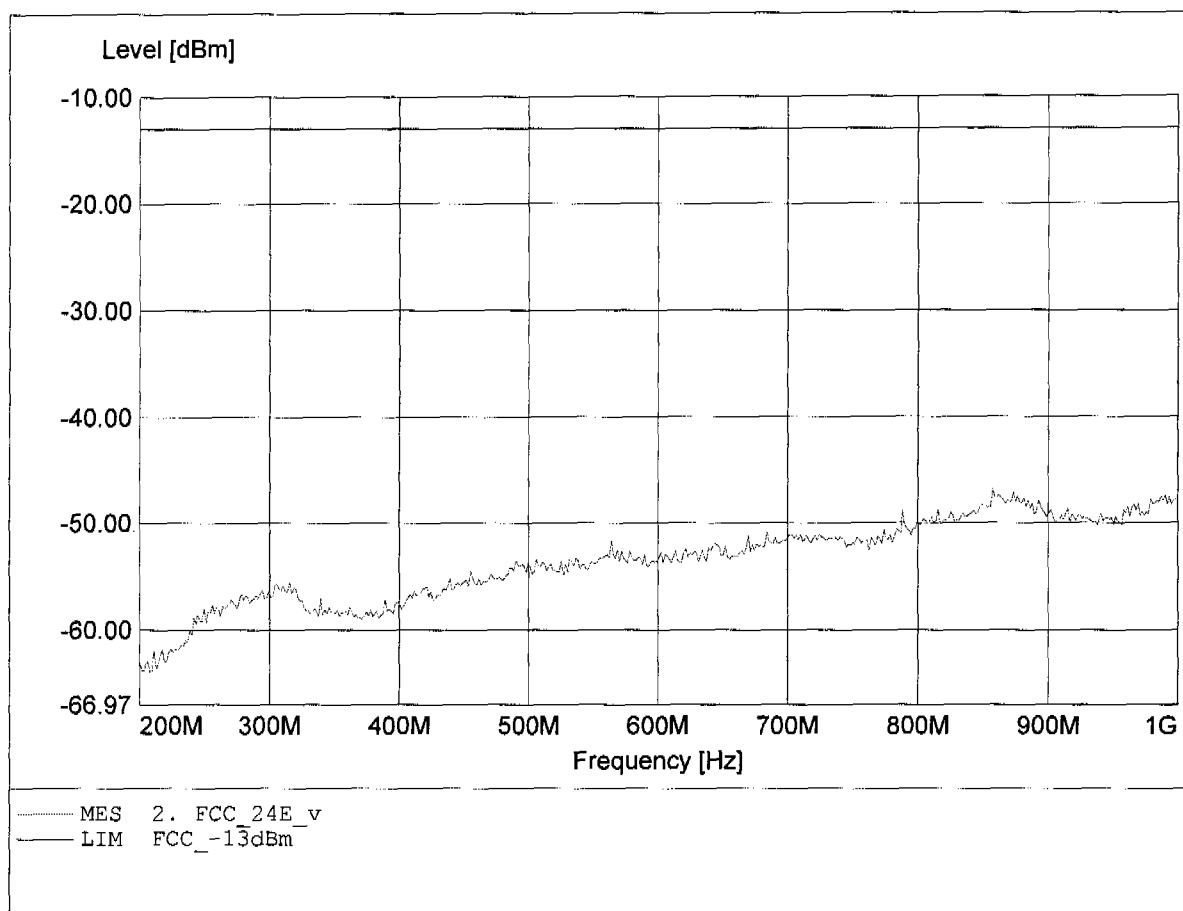
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.912MHz, Pmax: -61.24dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

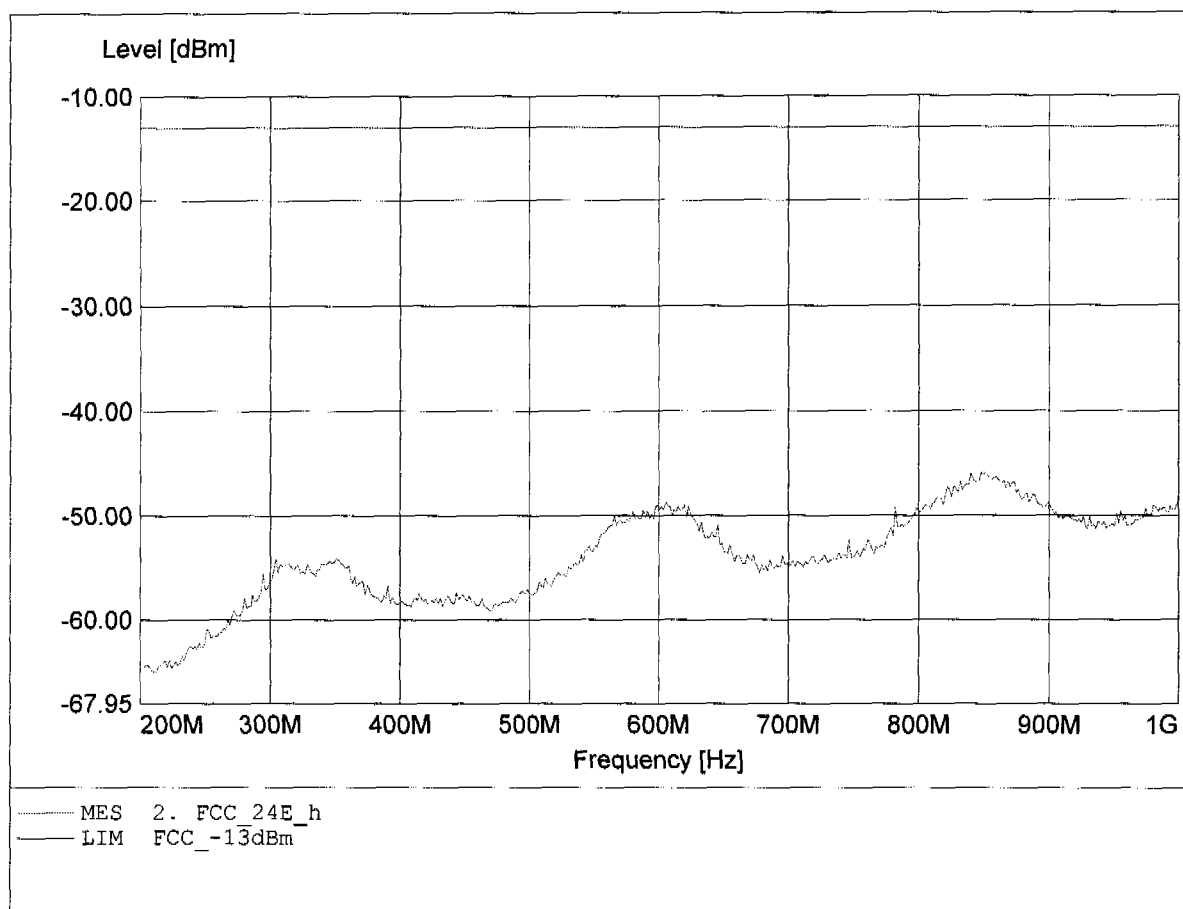
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 857.315MHz, Pmax: -46.85dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

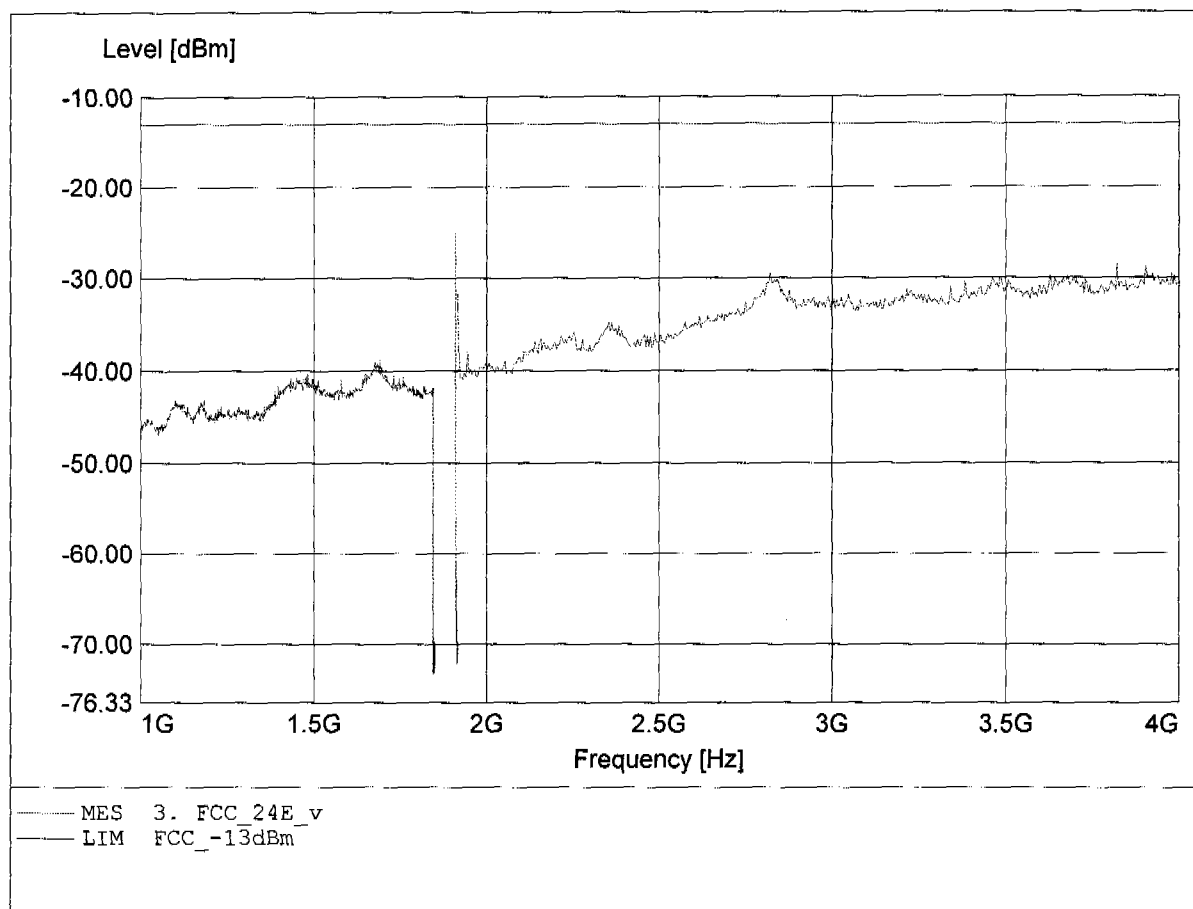
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 847.695MHz, Pmax: -45.85dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

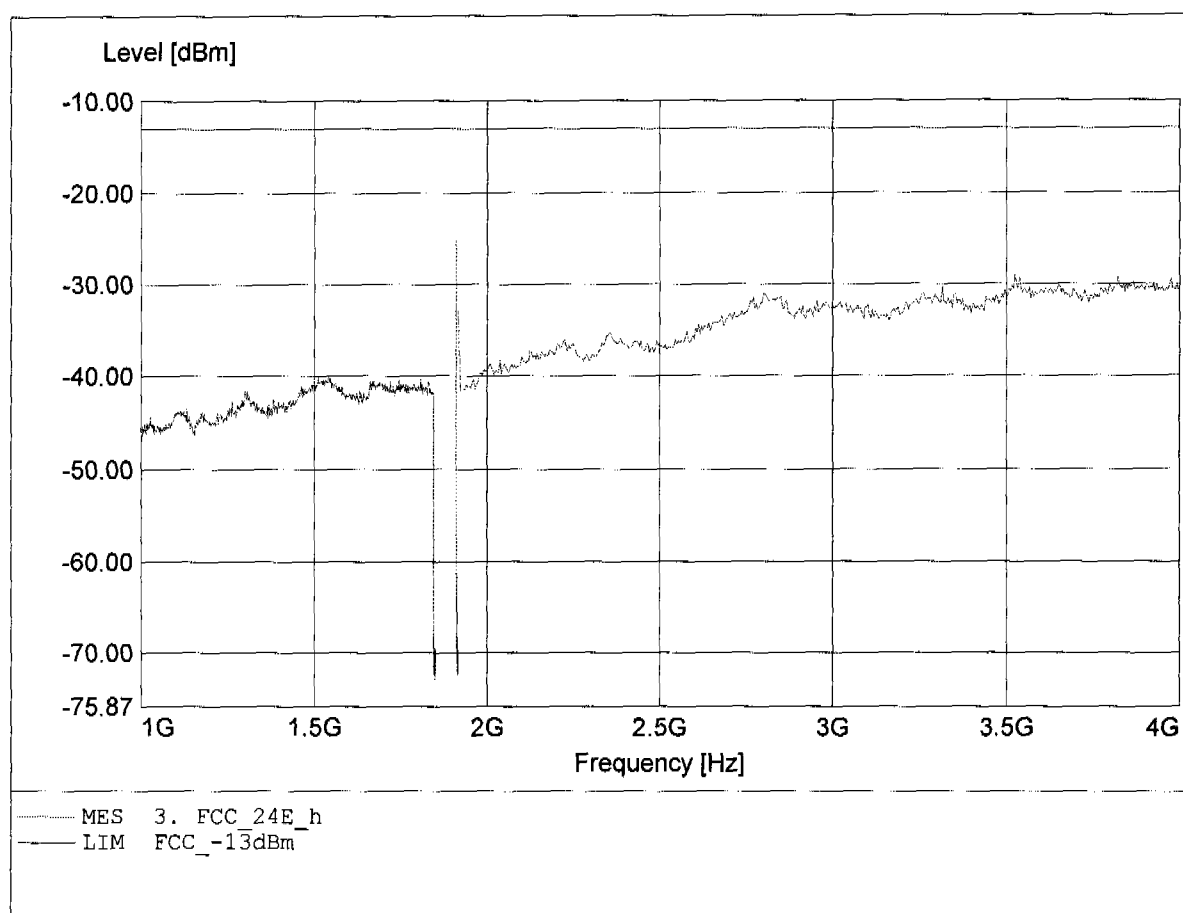
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.910GHz, Pmax: -24.94dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

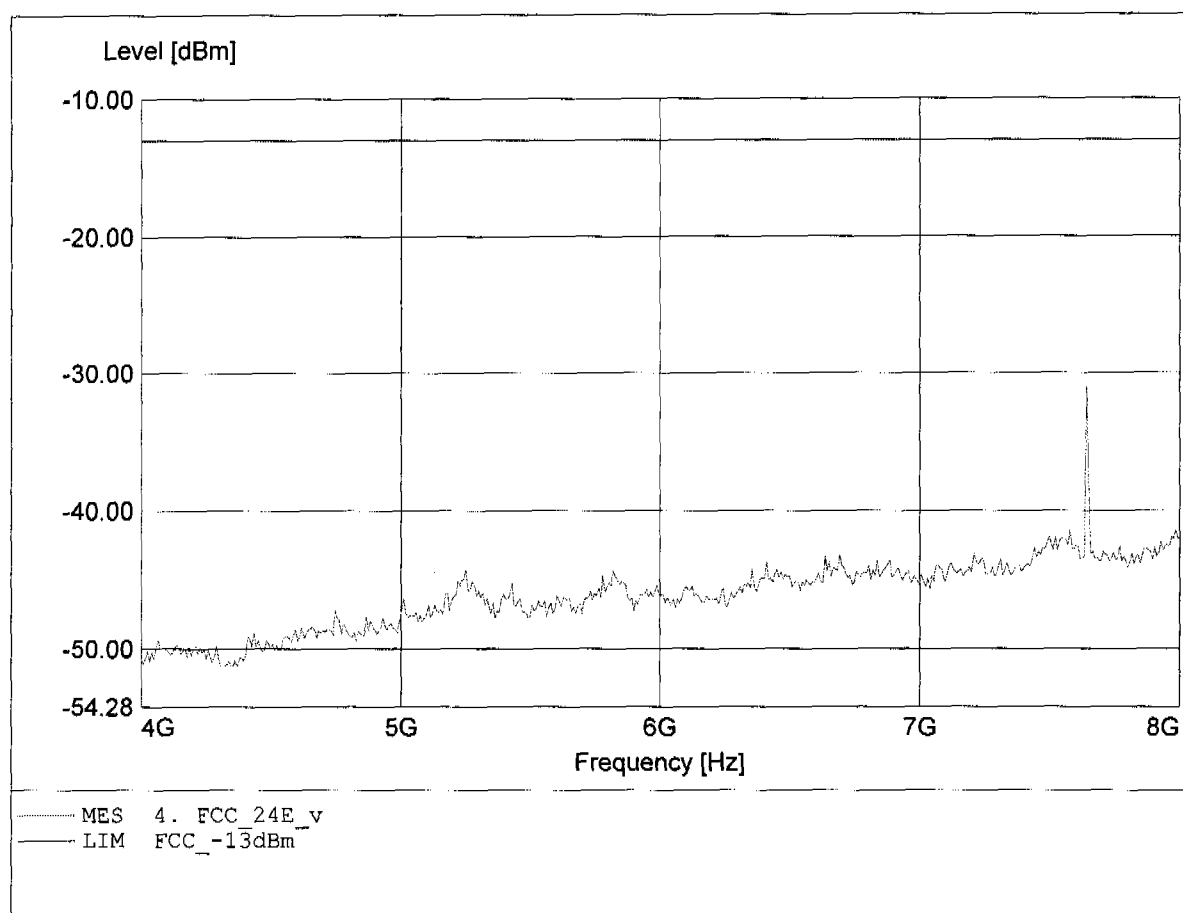
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.910GHz, Pmax: -25.19dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

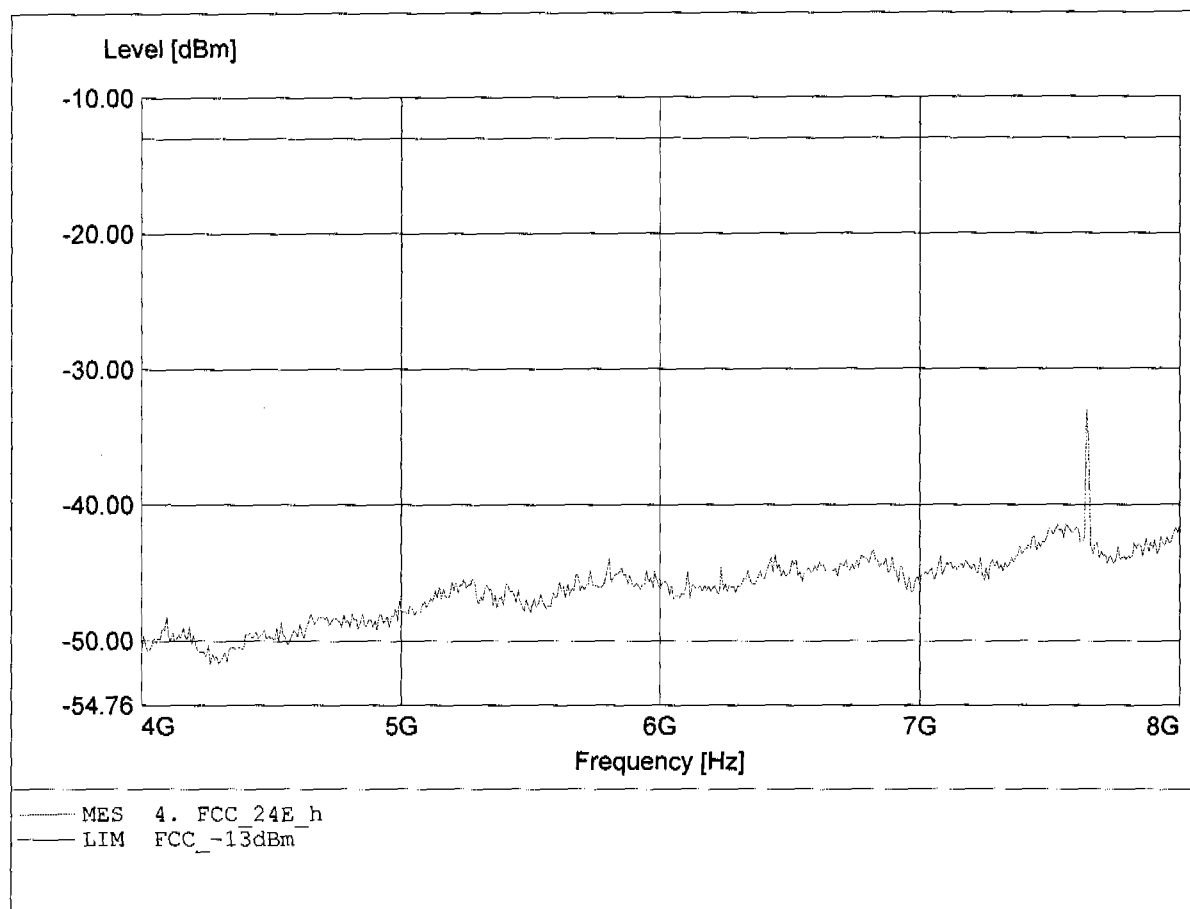
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.639GHz, Pmax: -31.03dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

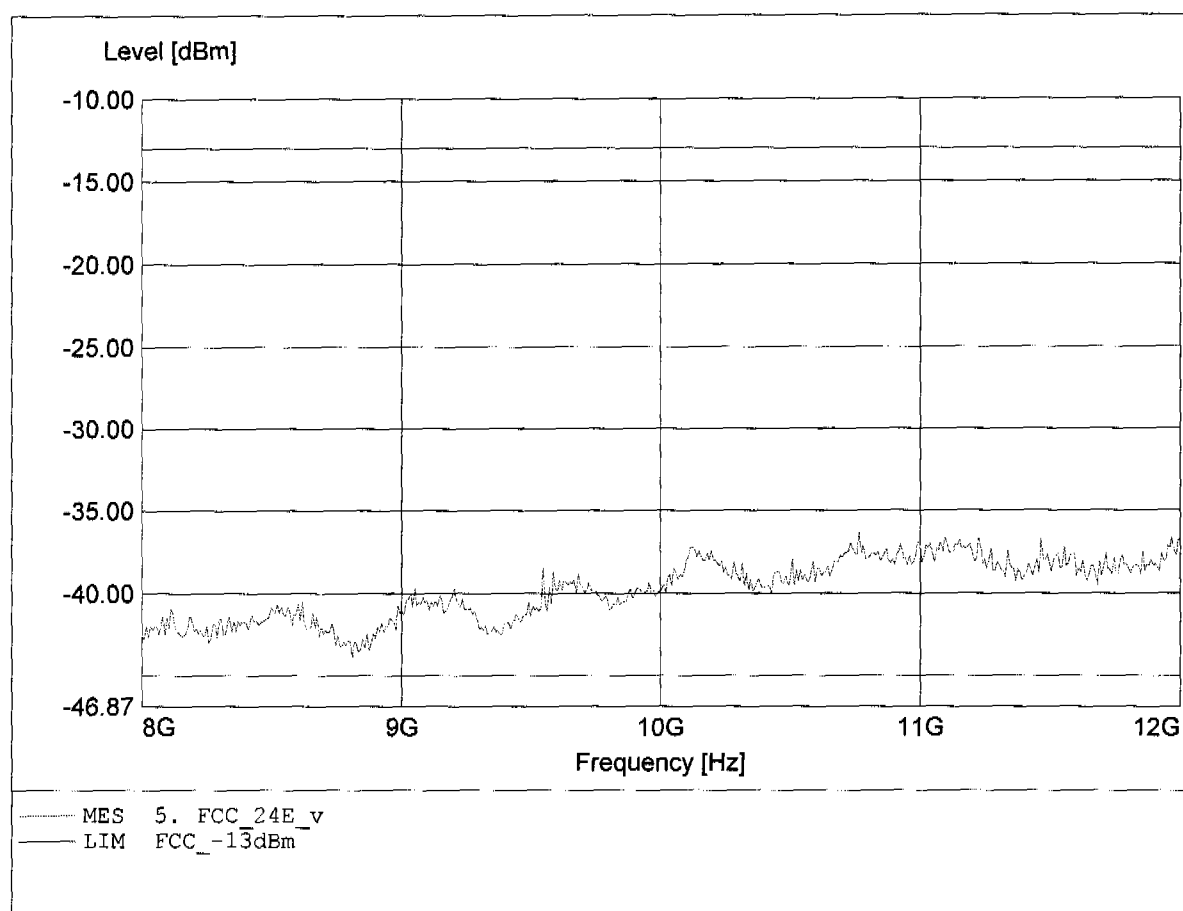
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.639GHz, Pmax: -32.99dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

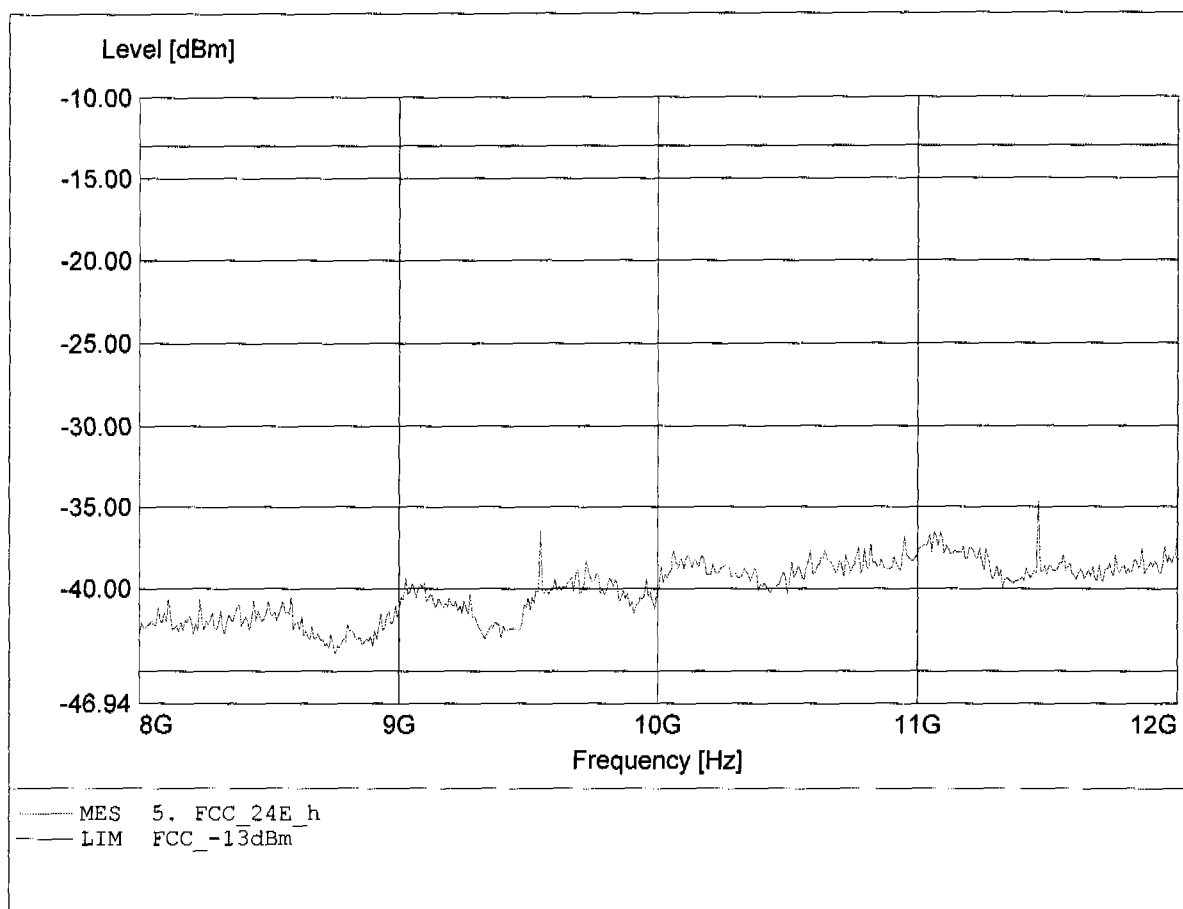
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 10.766GHz, Pmax: -36.31dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

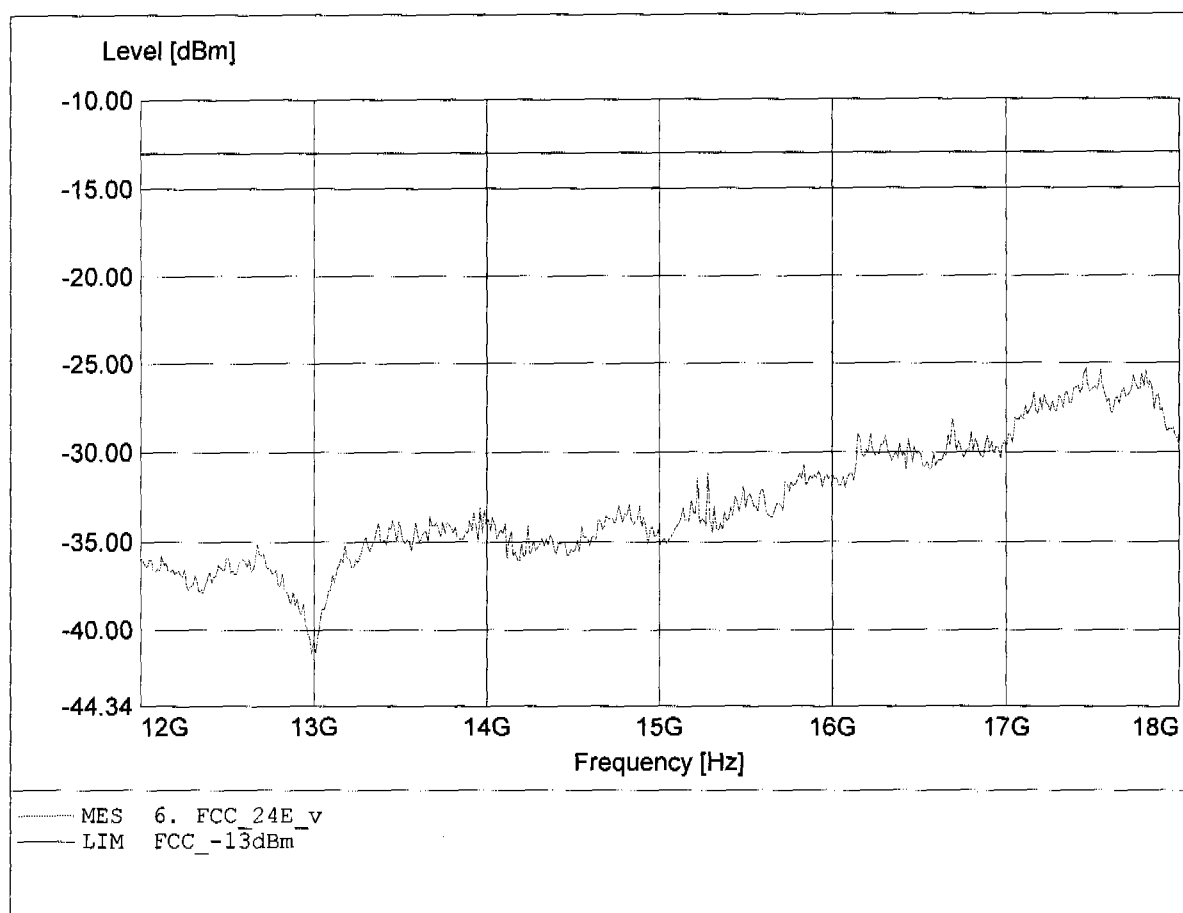
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.463GHz, Pmax: -34.67dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

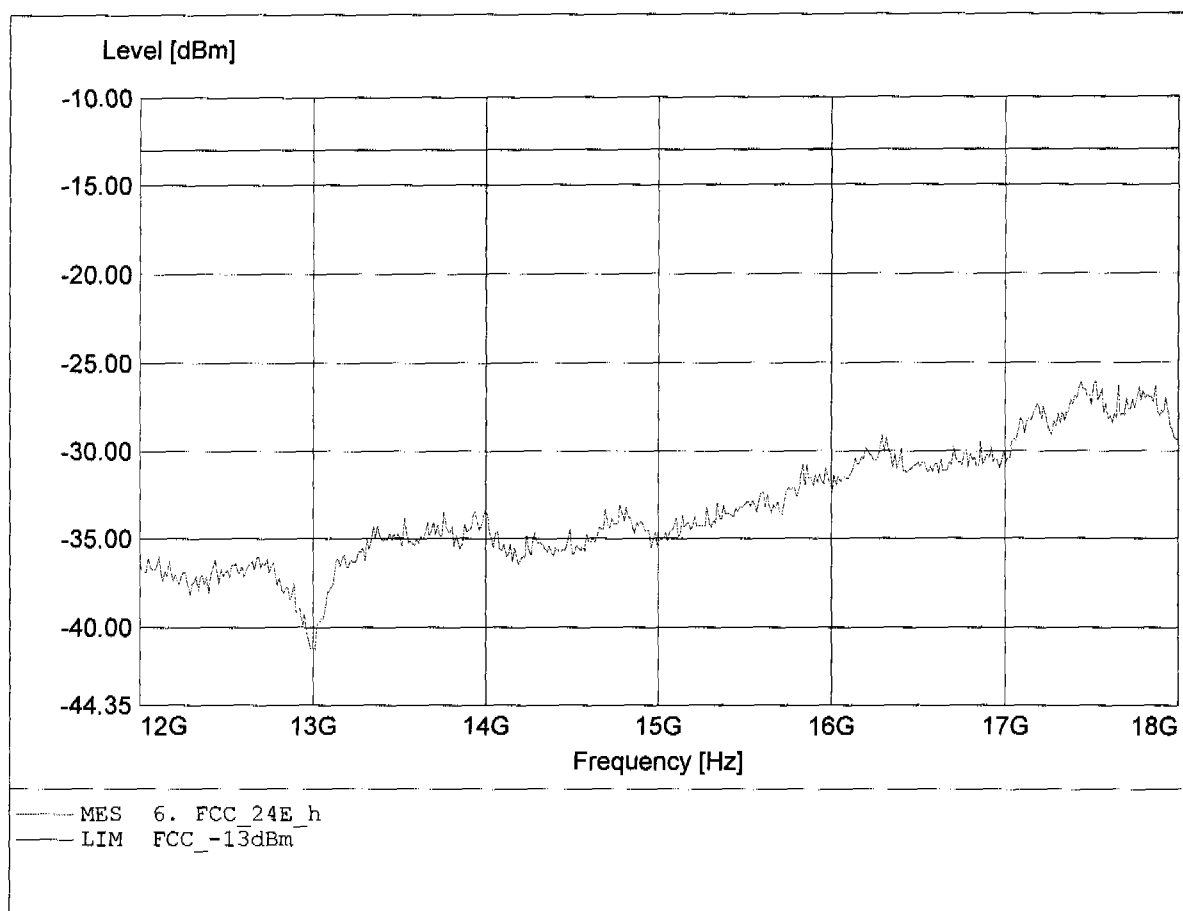
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.459GHz, Pmax: -25.30dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

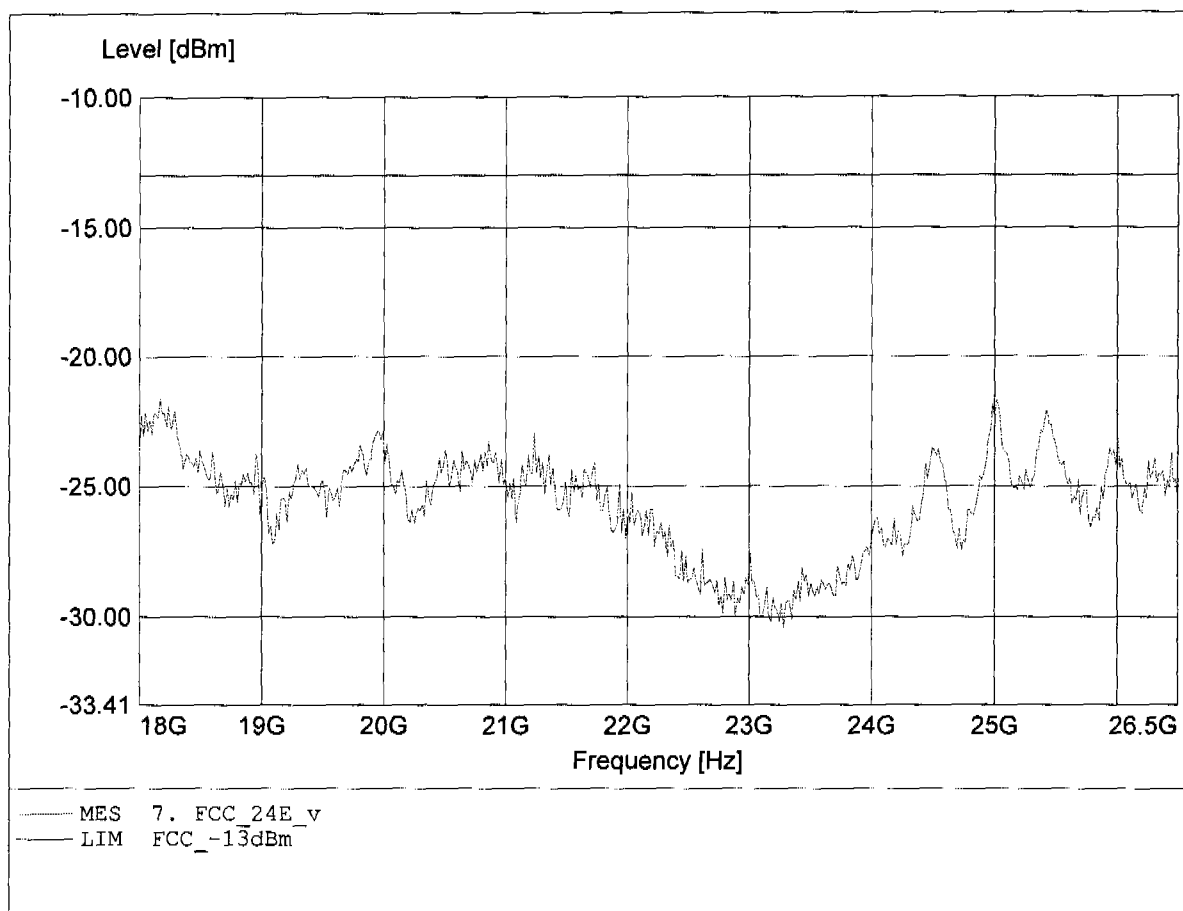
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.519GHz, Pmax: -26.06dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

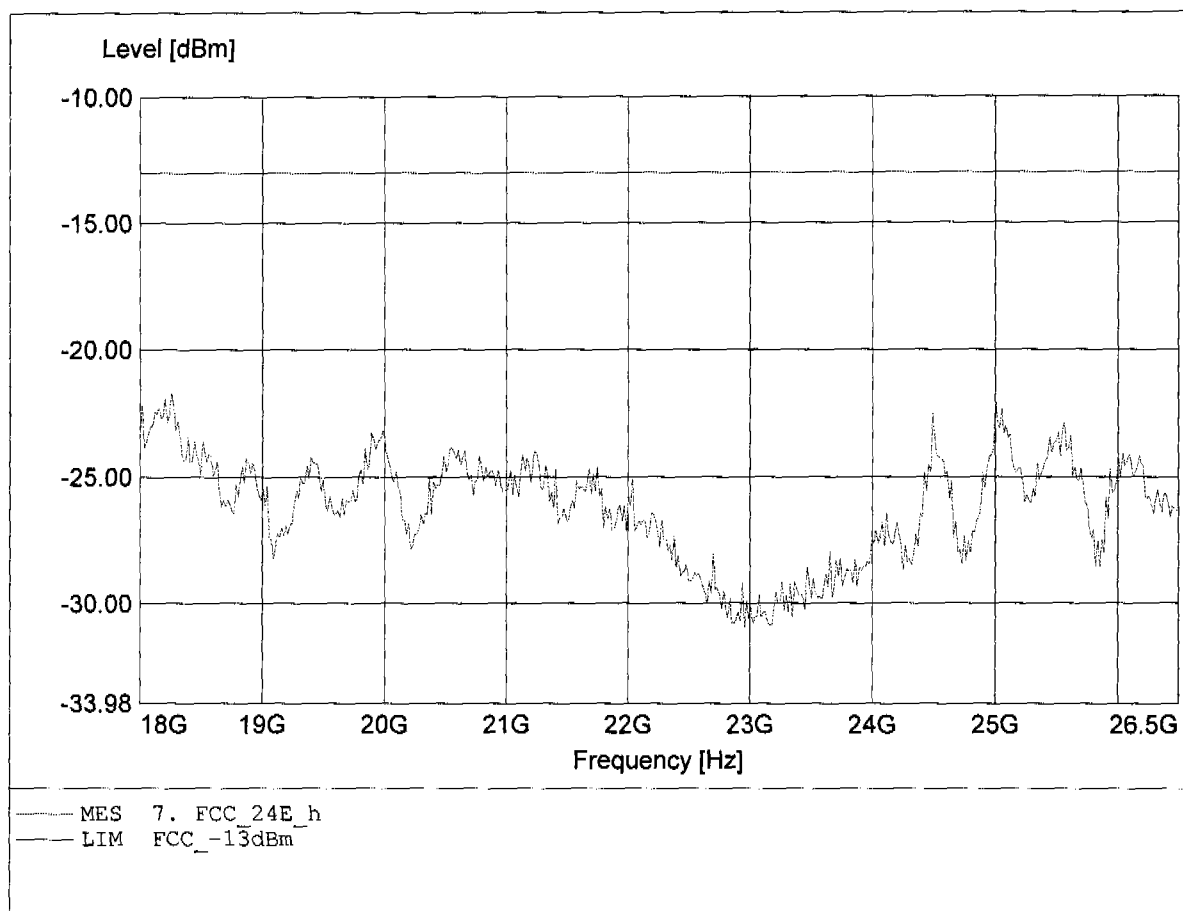
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 18.170GHz, Pmax: -21.67dBm, RBW: 1MHz



Radiated Emissions Tx

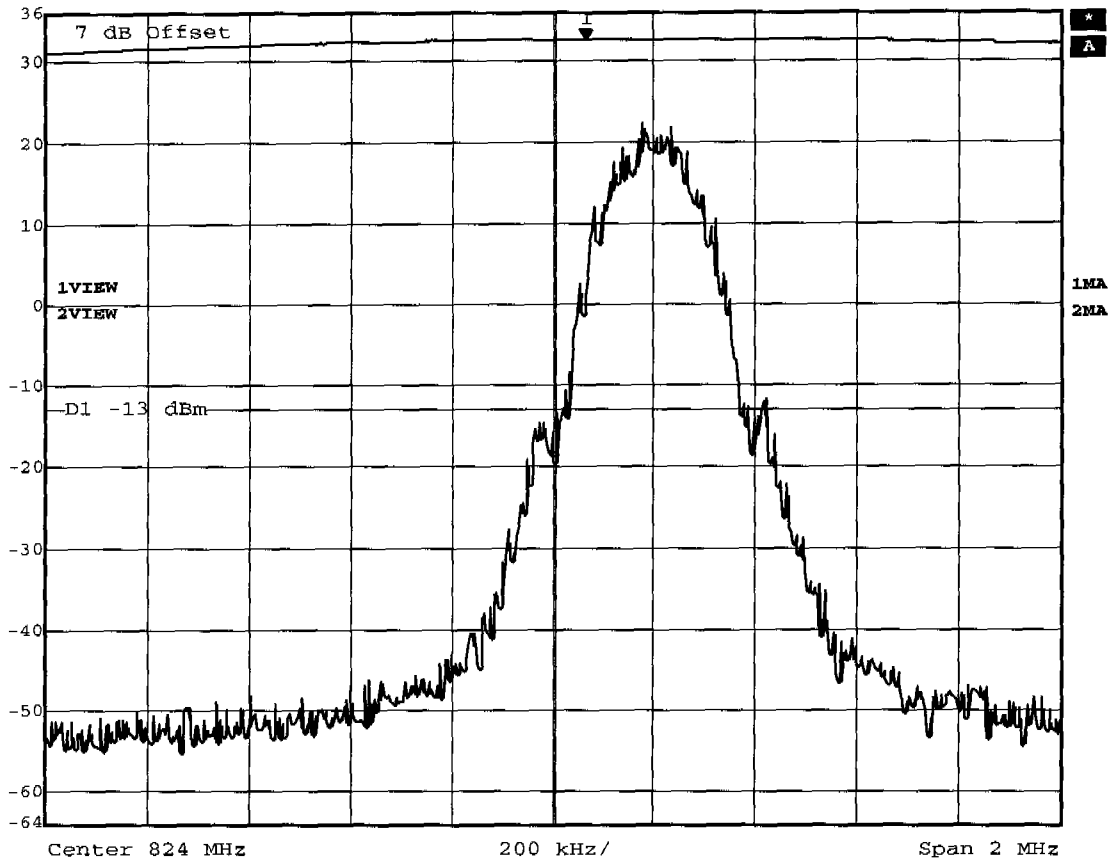
FCC RULES PART 24 SUBPART E

Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 810
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 18.256GHz, Pmax: -21.68dBm, RBW: 1MHz





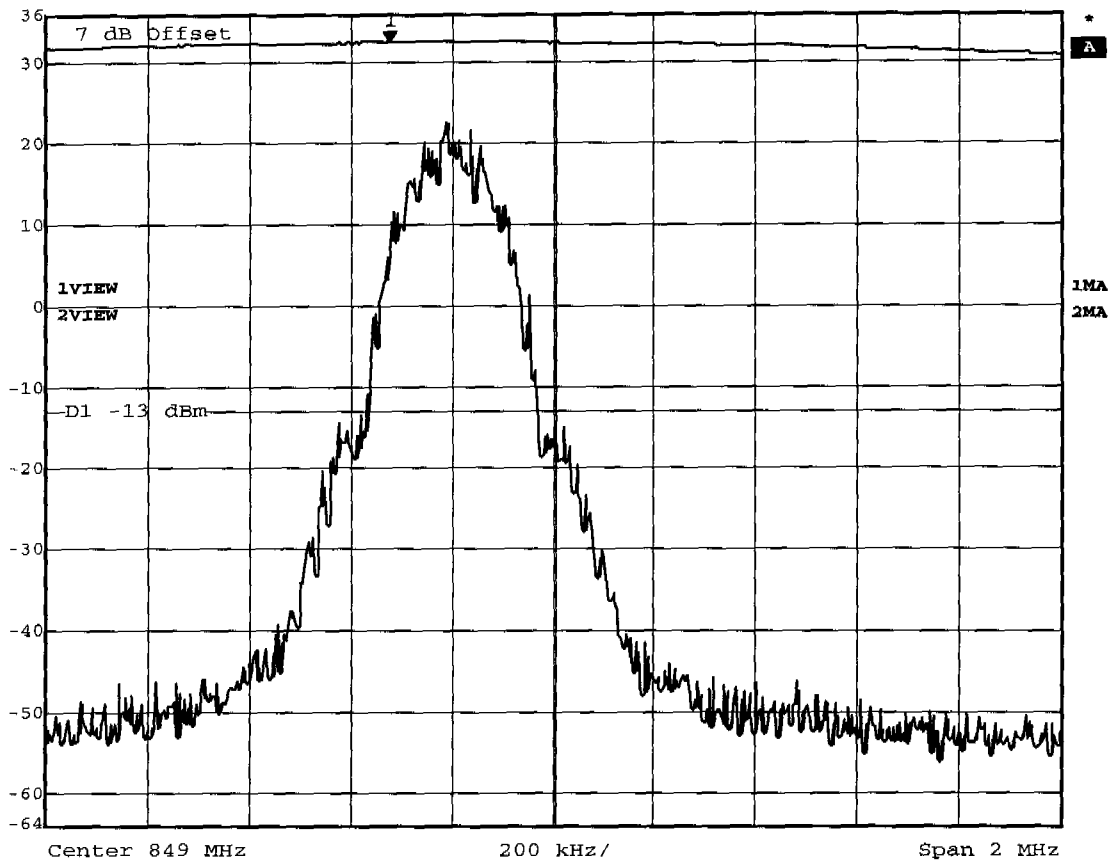
Marker 1 [T1] RBW 3 kHz RF Att 50 dB
Ref Lvl 32.47 dBm VBW 3 kHz
36 dBm 824.06613226 MHz SWT 560 ms Unit dBm



Title: Lower Band Edge
Comment A: GB 310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:01:37



Marker 1 [T1] RBW 3 kHz RF Att 50 dB
Ref Lvl 32.29 dBm VBW 3 kHz
36 dBm 848.67735471 MHz SWT 560 ms Unit dBm

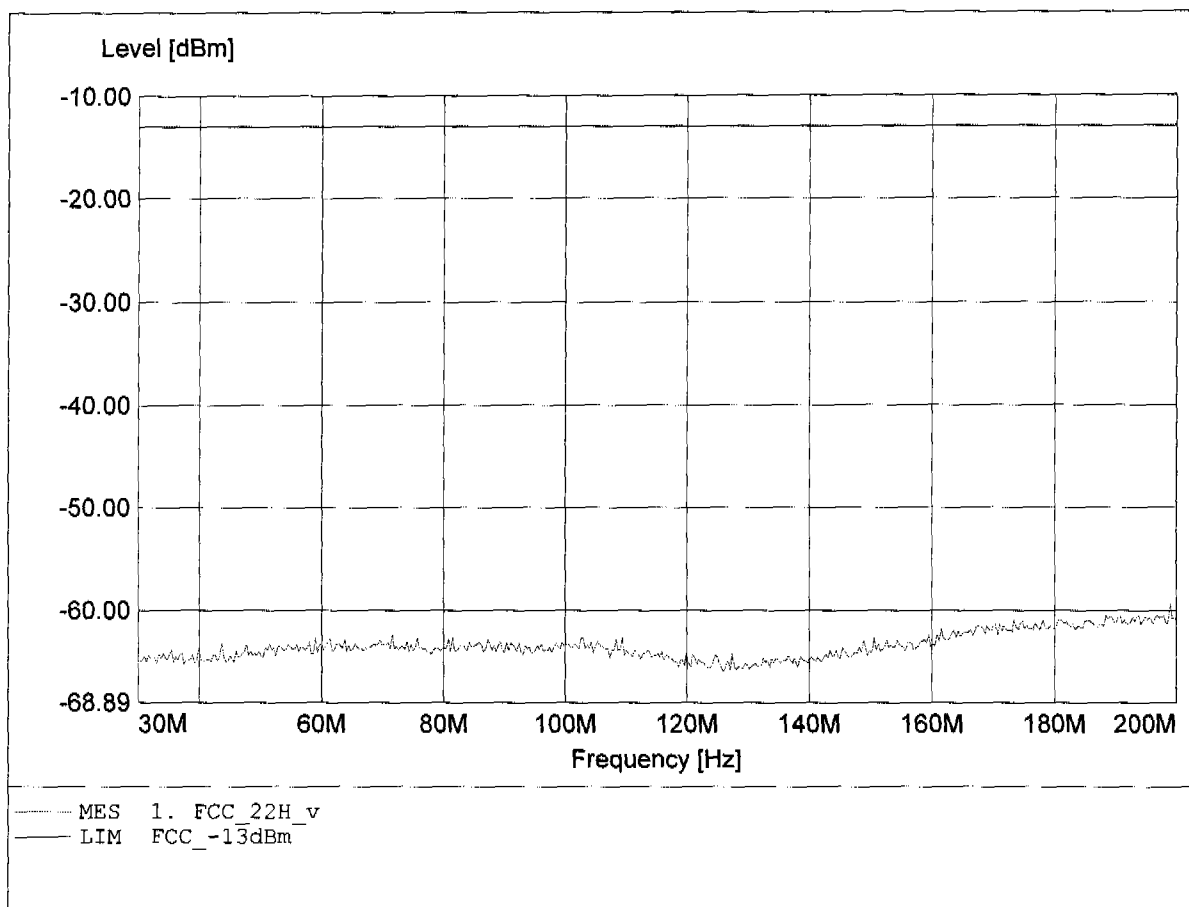


Title: Higher Band Edge
Comment A: GB310 - Dual Band GSM 850 / PCS 1900 (with WAP & GPRS)
Date: 8.JUN.2004 15:10:24

Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

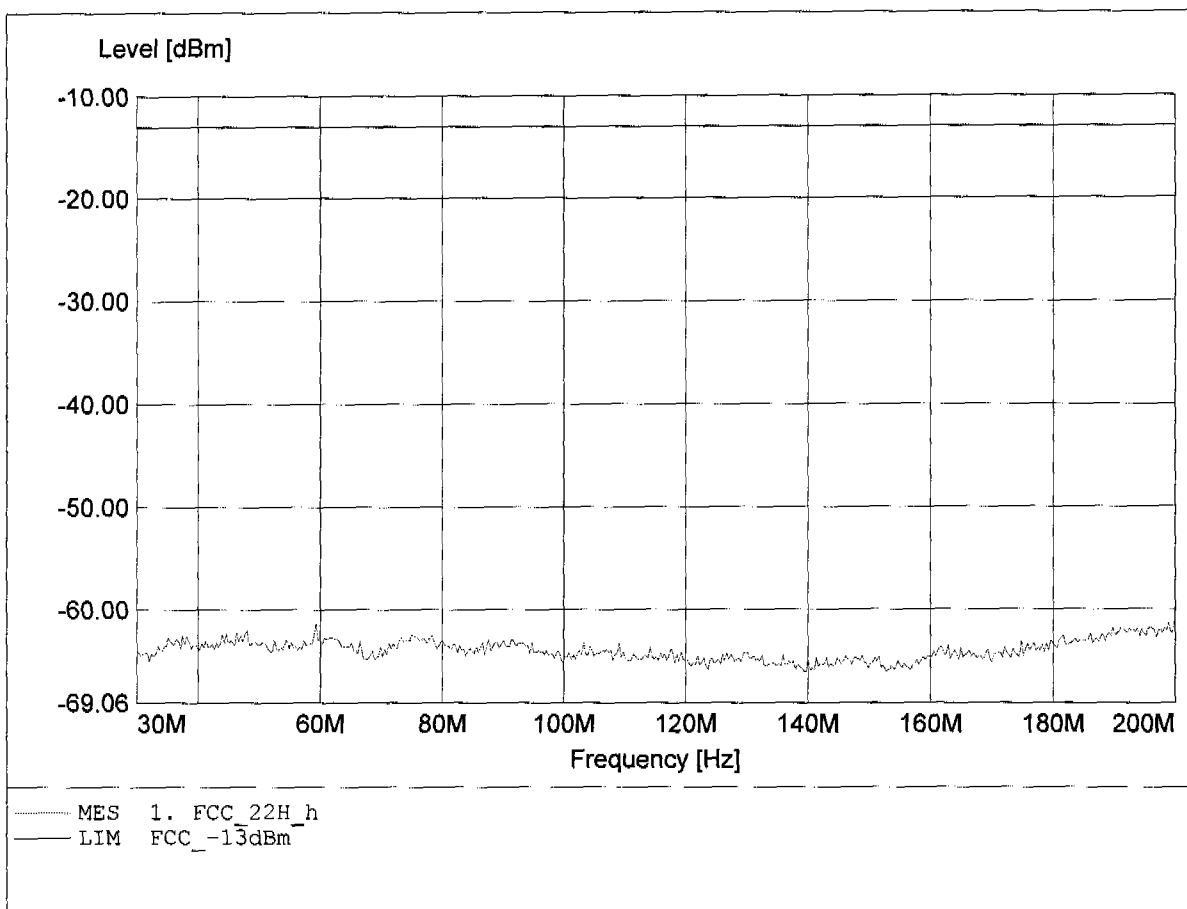
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Pmax: -59.36dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

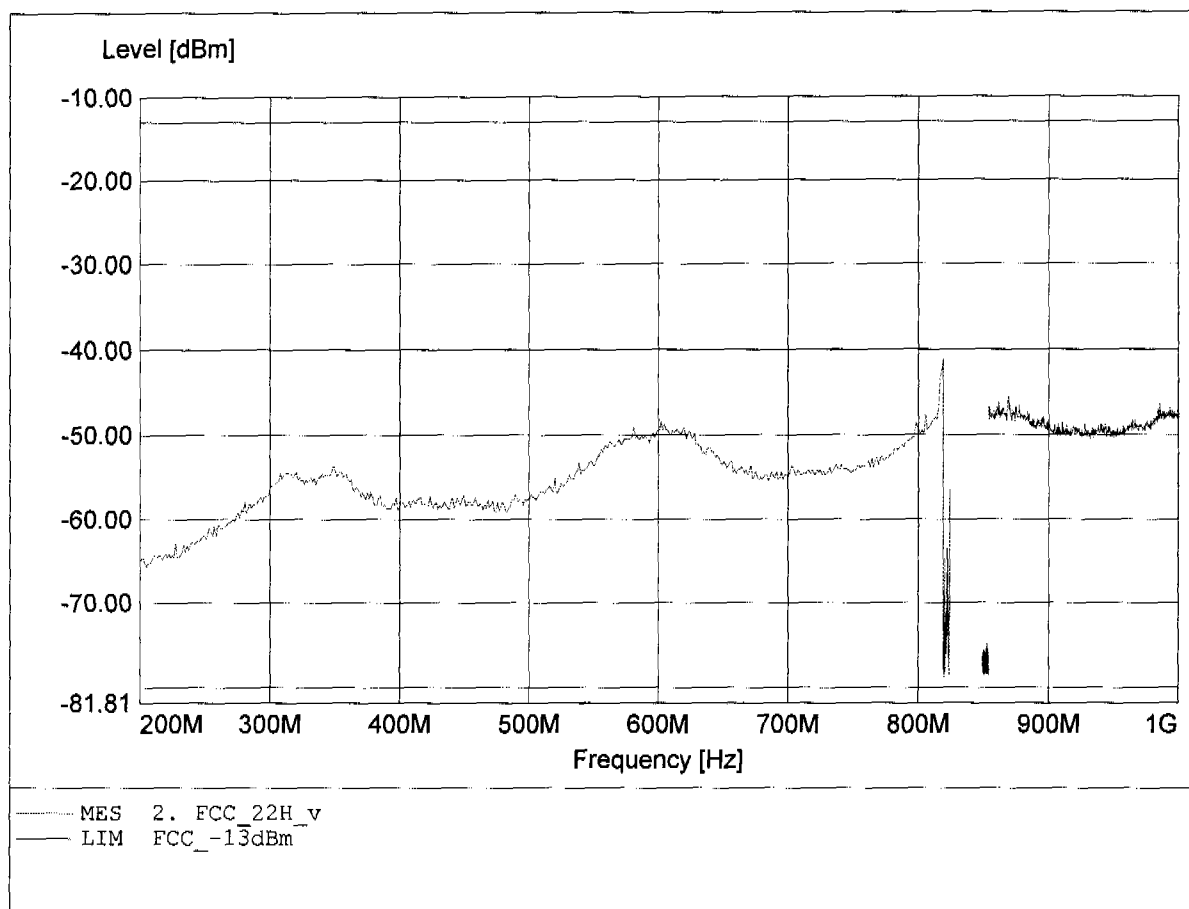
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Pmax: -60.85dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

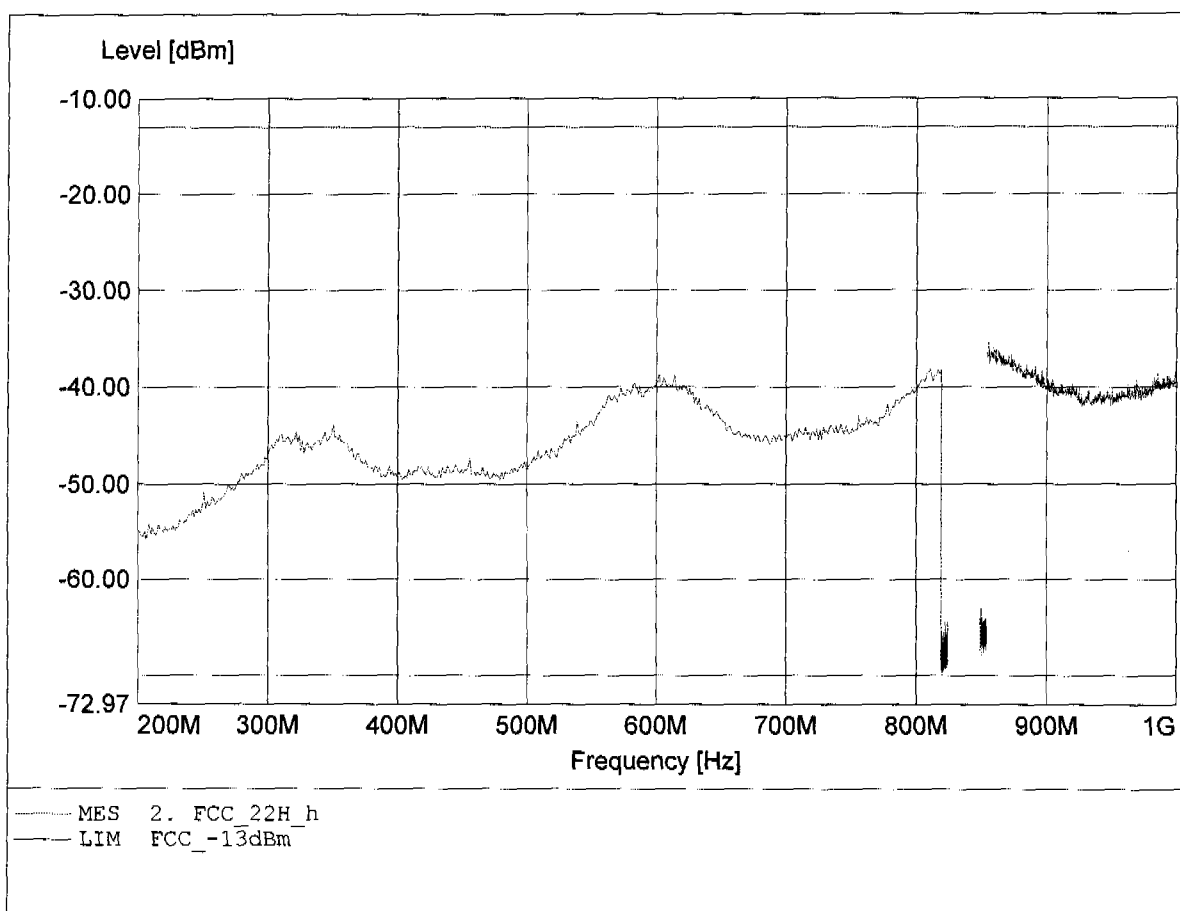
Applicant: Pantech Co., Ltd.
EUT/Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 819.000MHz, Pmax: -41.10dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

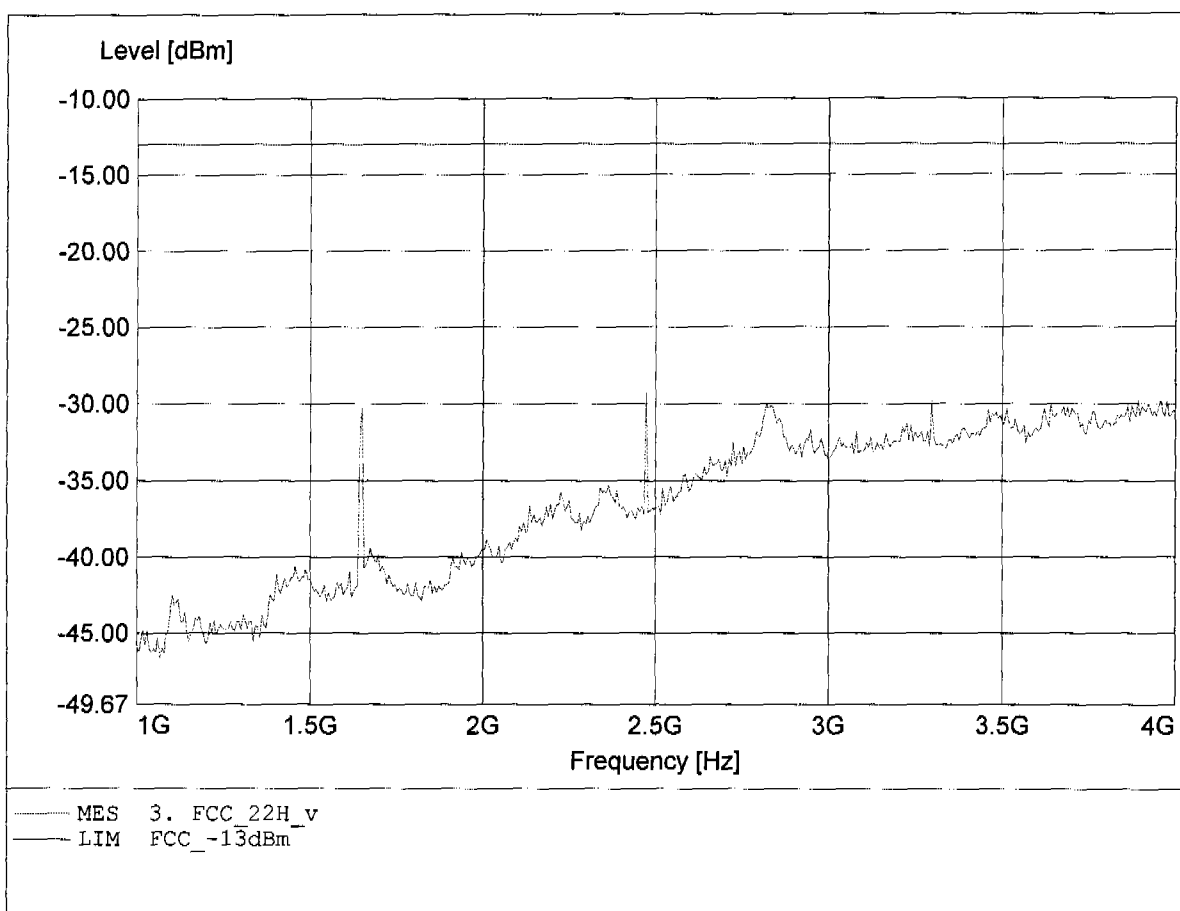
Applicant: Pantech Co., Ltd.
EUT/Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 855.463MHz, Pmax: -35.34dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

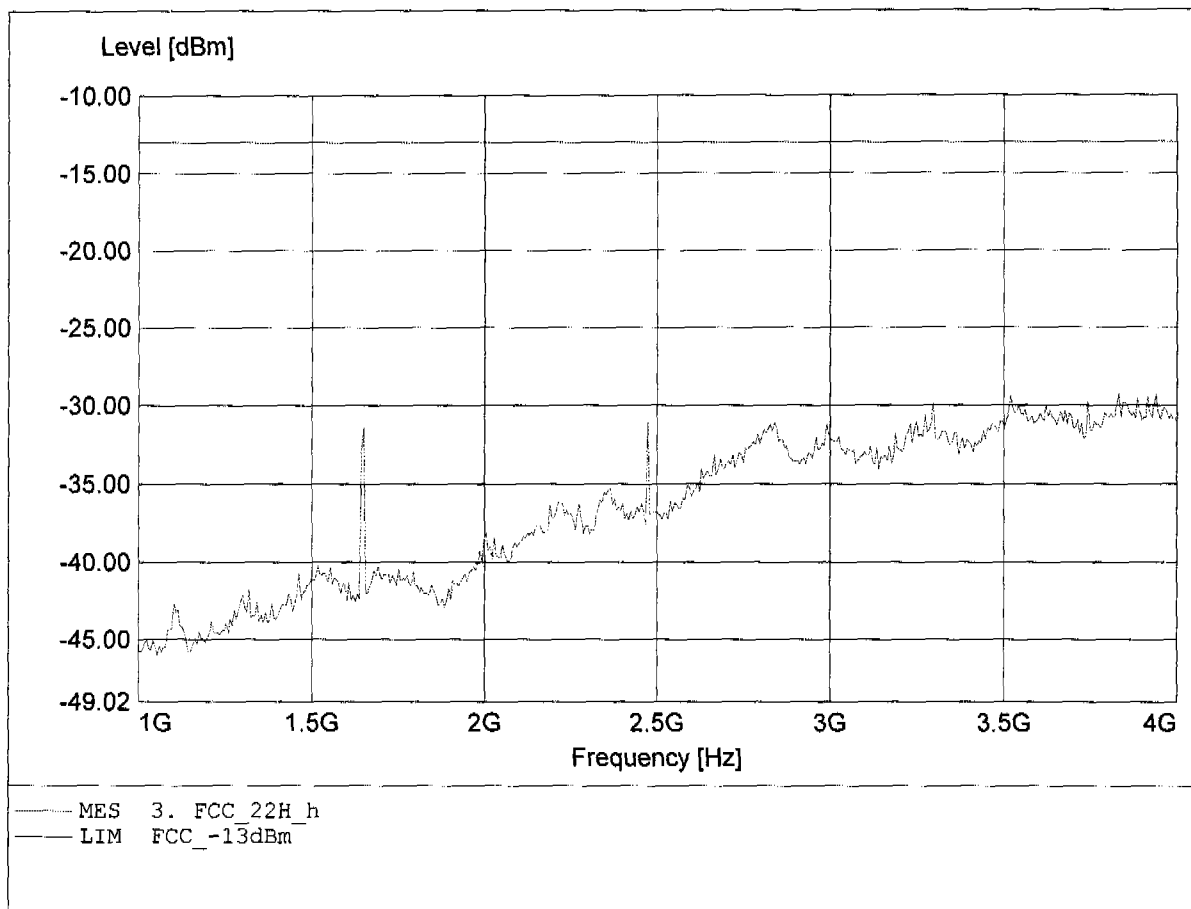
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Cannel: 128
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S22.917
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 2.473GHz, Pmax: -29.25dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

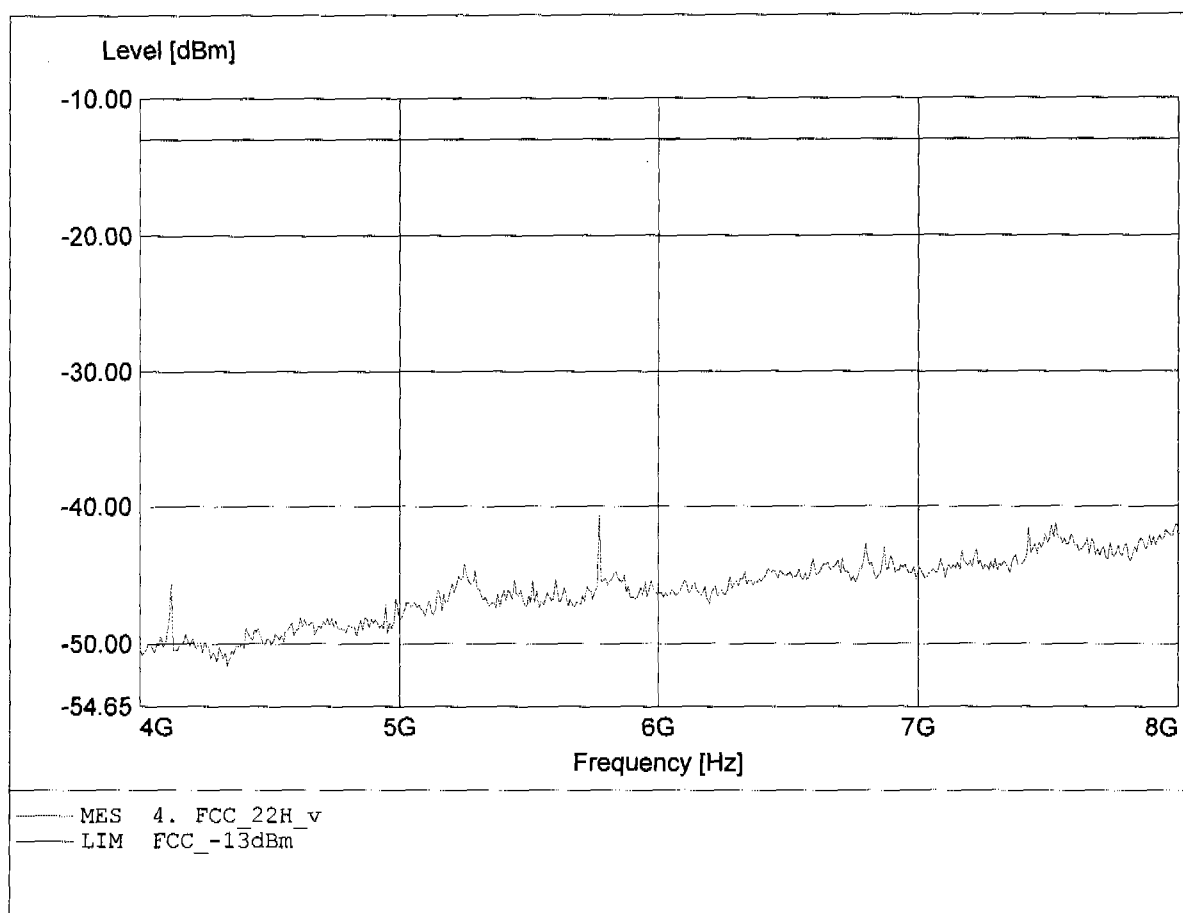
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Cannel: 128
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.832GHz, Pmax: -29.27dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

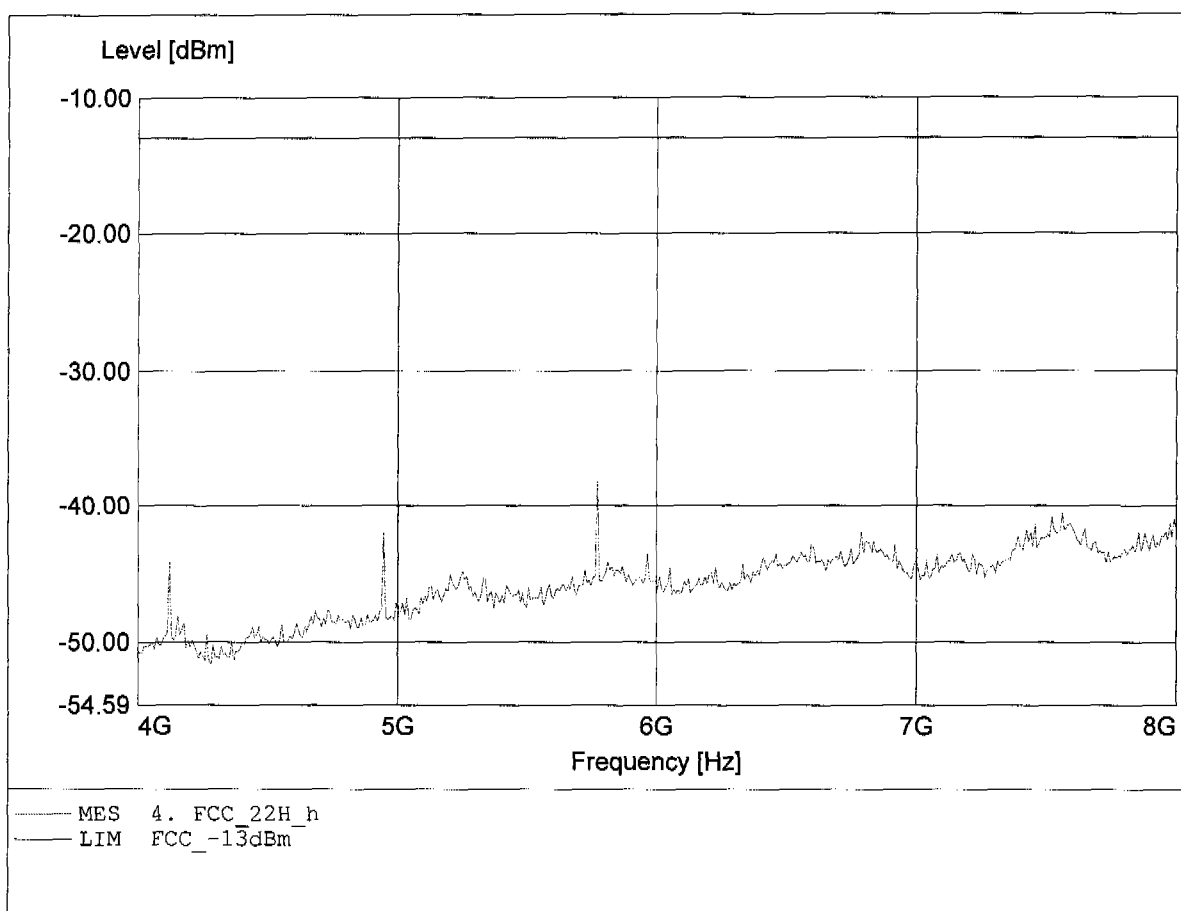
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 5.772GHz, Pmax: -40.67dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

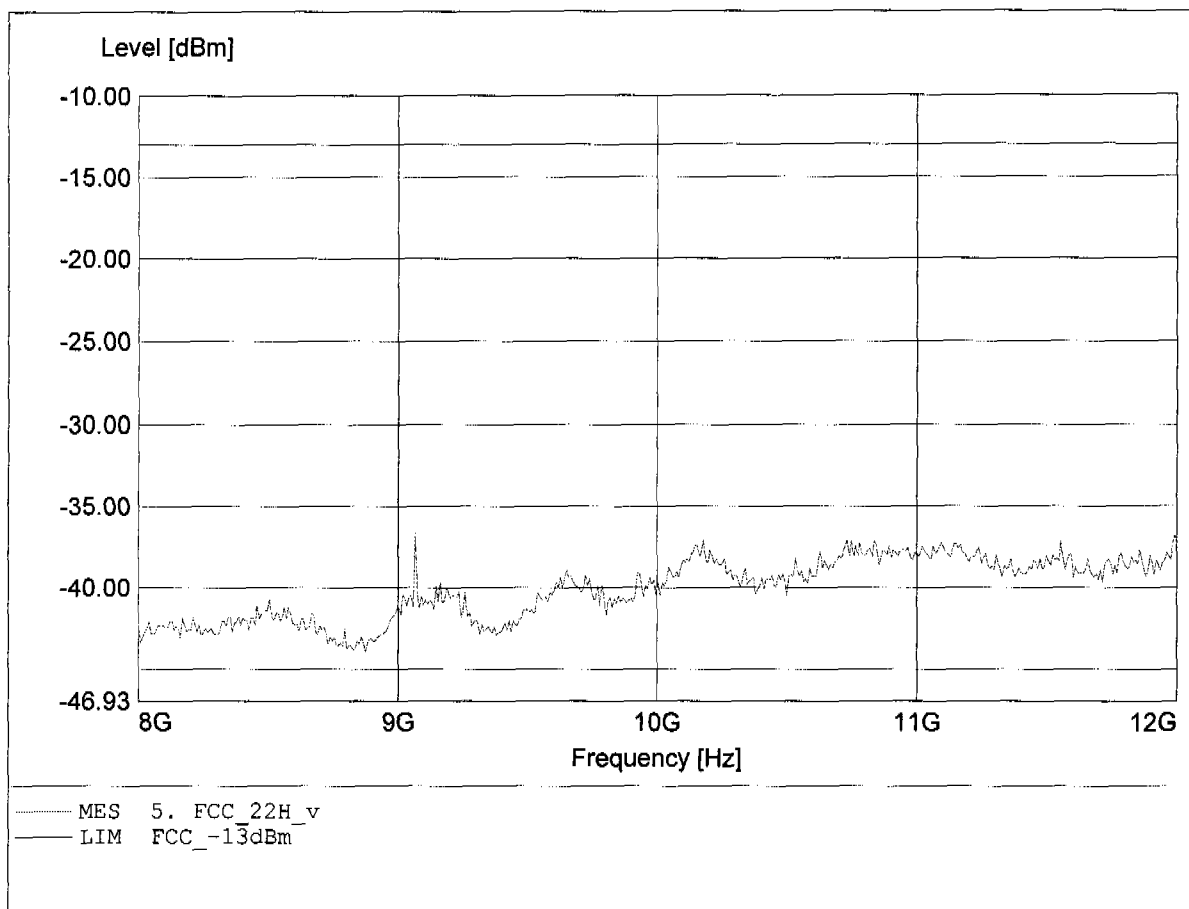
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 5.772GHz, Pmax: -38.20dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

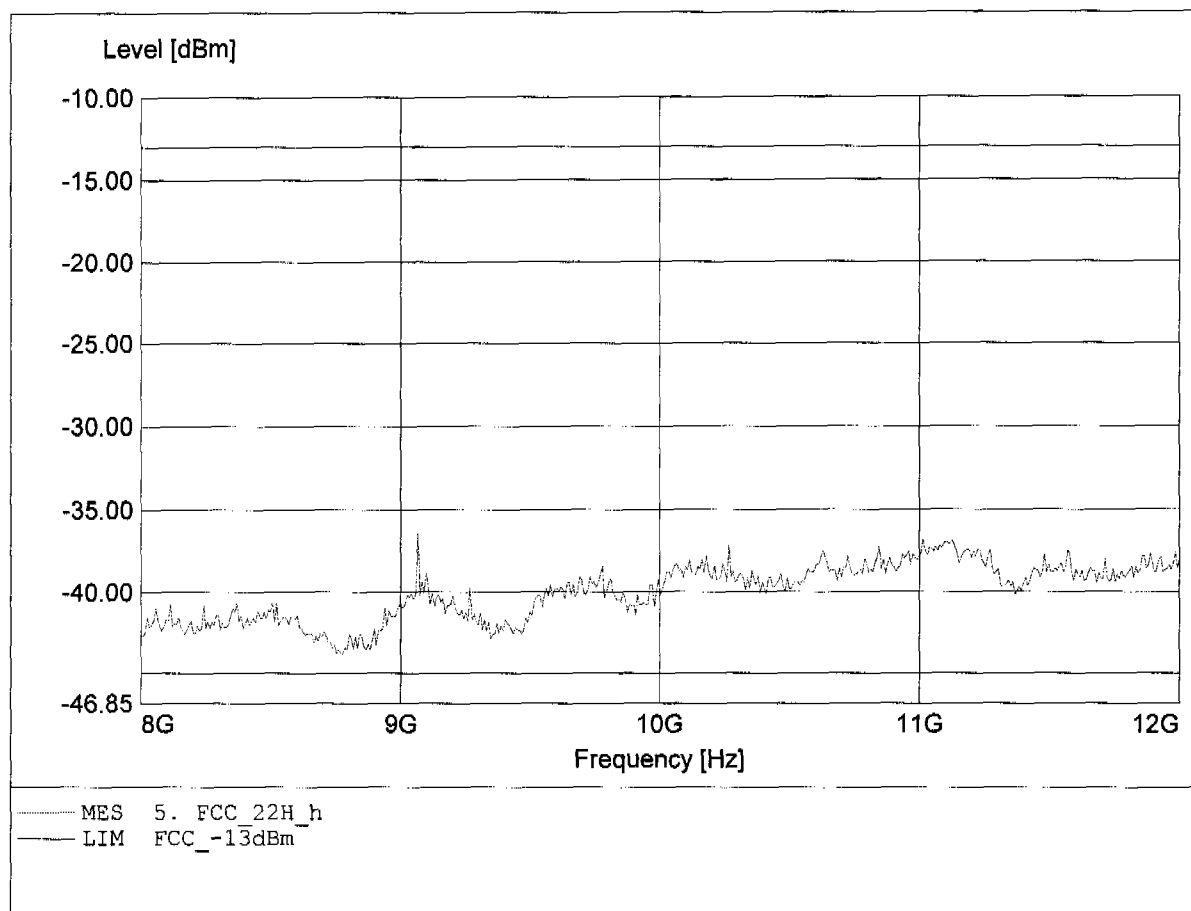
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 9.066GHz, Pmax: -36.63dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

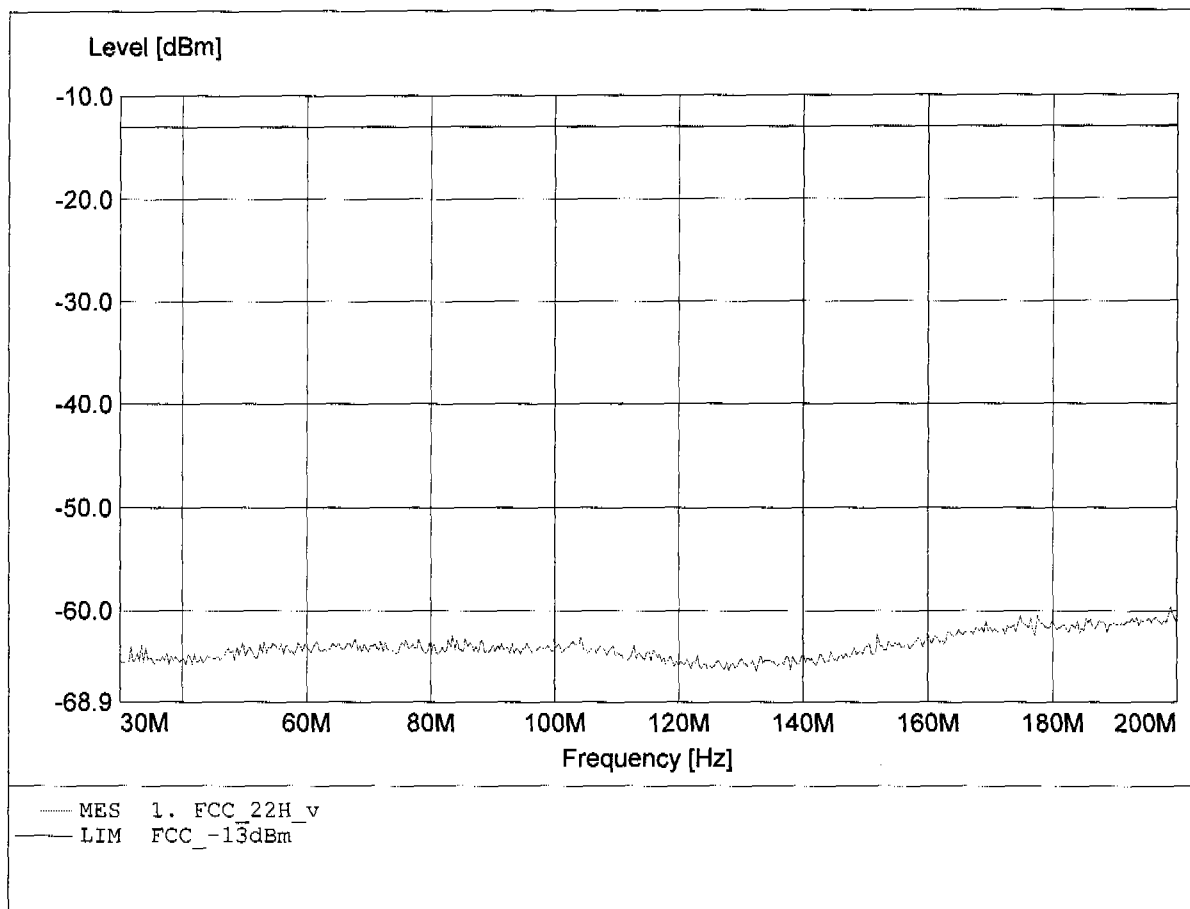
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 128
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 9.066GHz, Pmax: -36.27dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

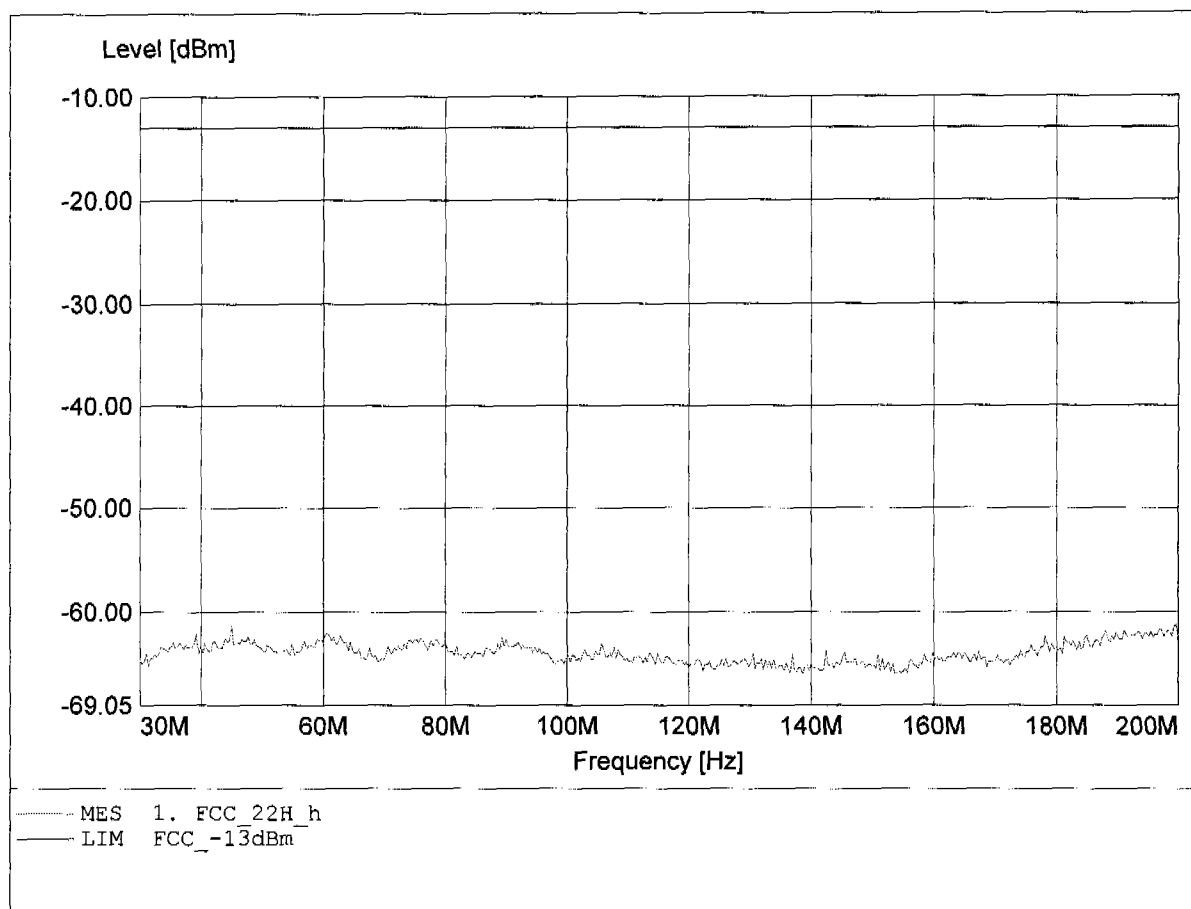
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Pmax: -59.50dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

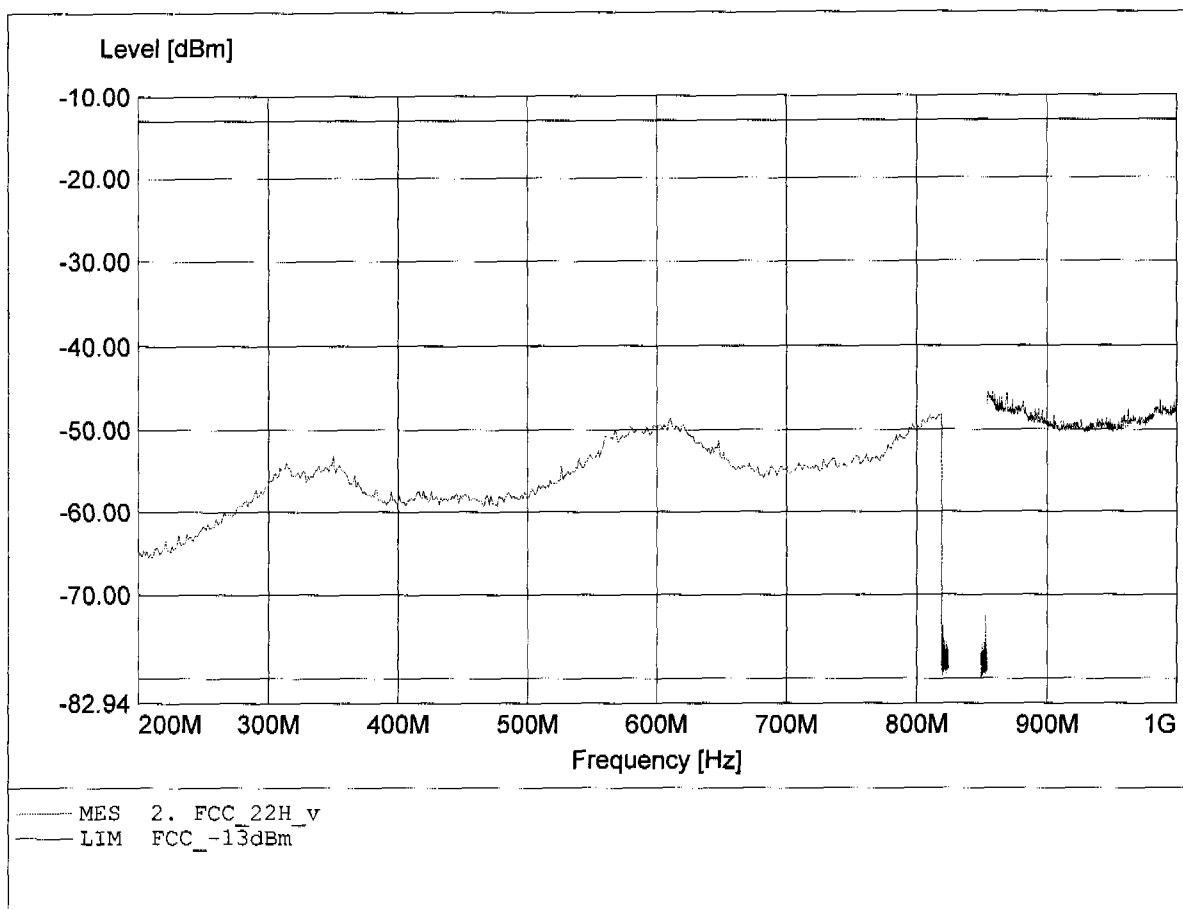
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 199.659MHz, Pmax: -61.19dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

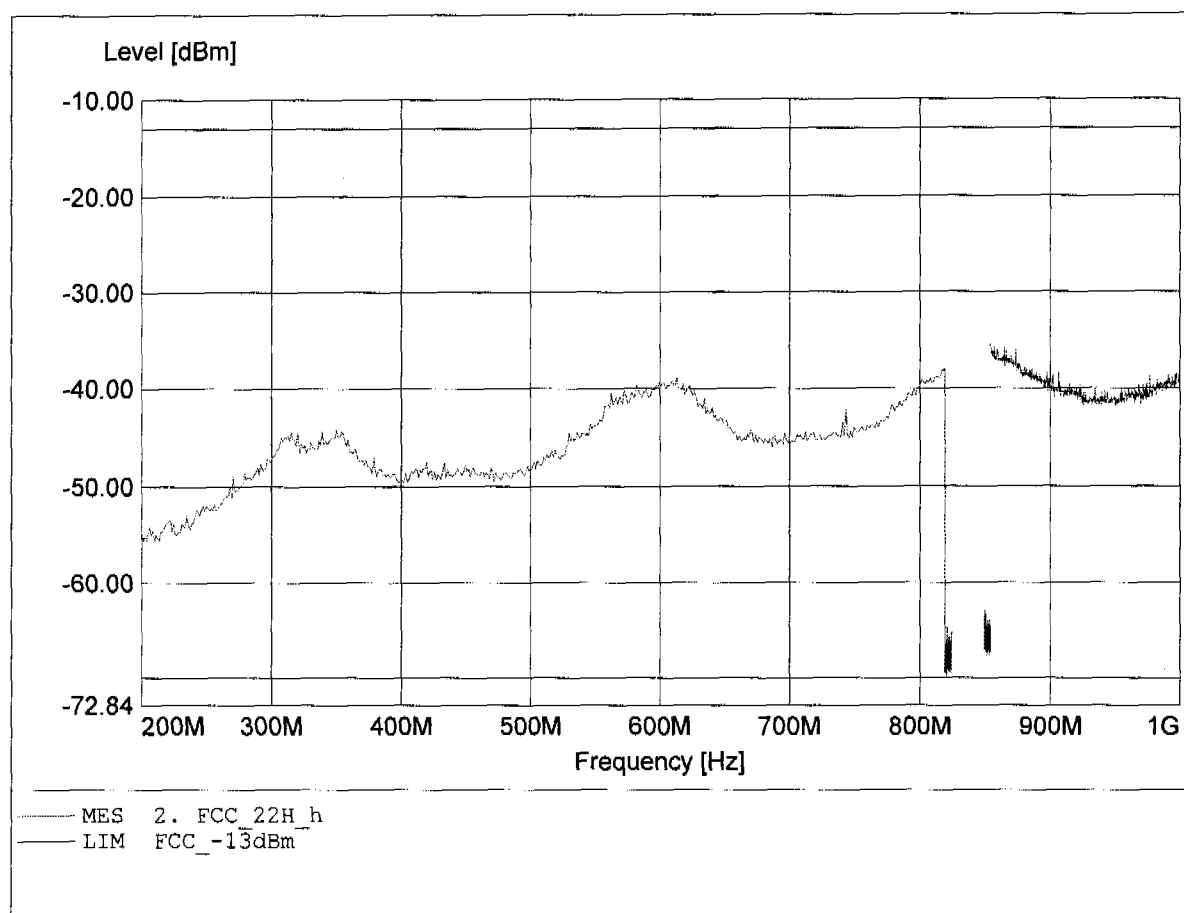
Applicant: Pantech Co., Ltd.
EUT/Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 858.096MHz, Pmax: -45.32dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

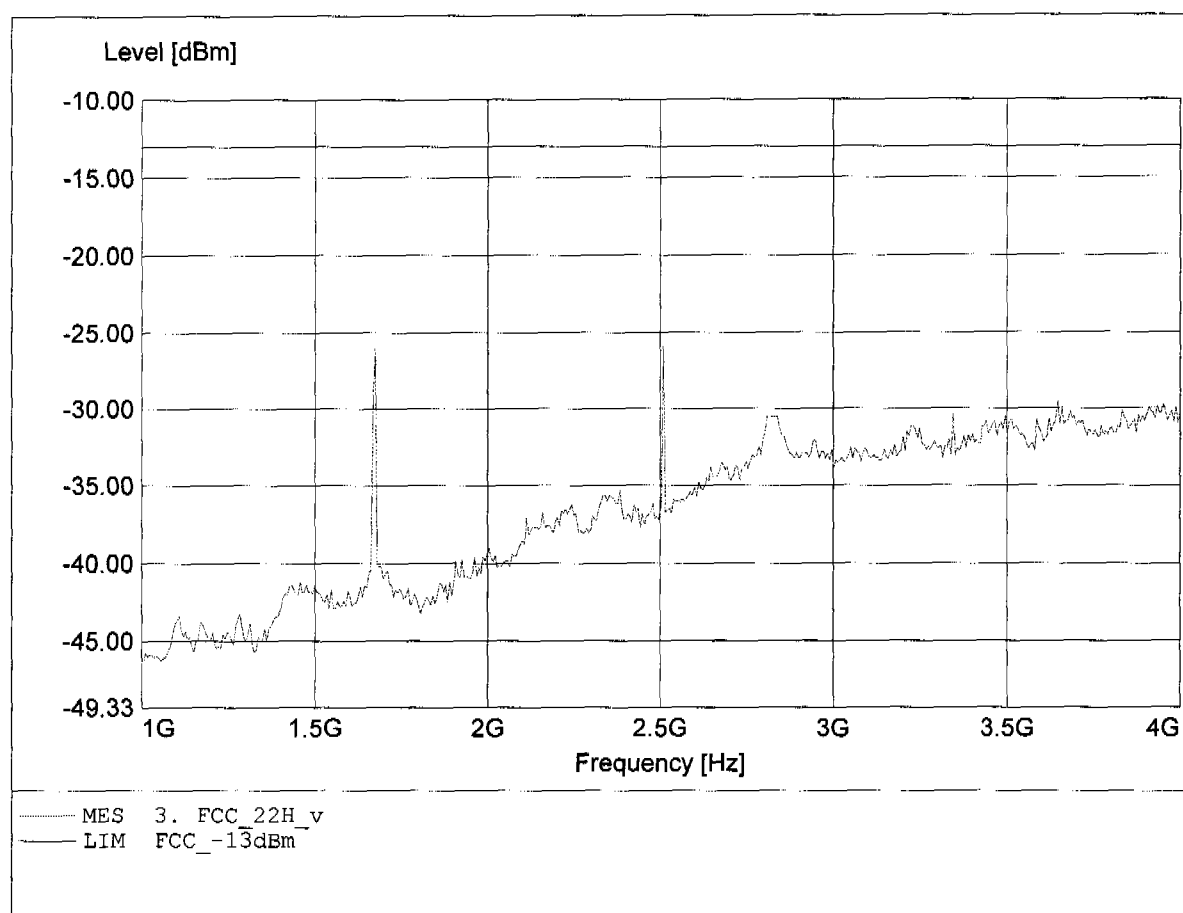
Applicant: Pantech Co., Ltd.
EUT/Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 854.000MHz, Pmax: -35.39dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

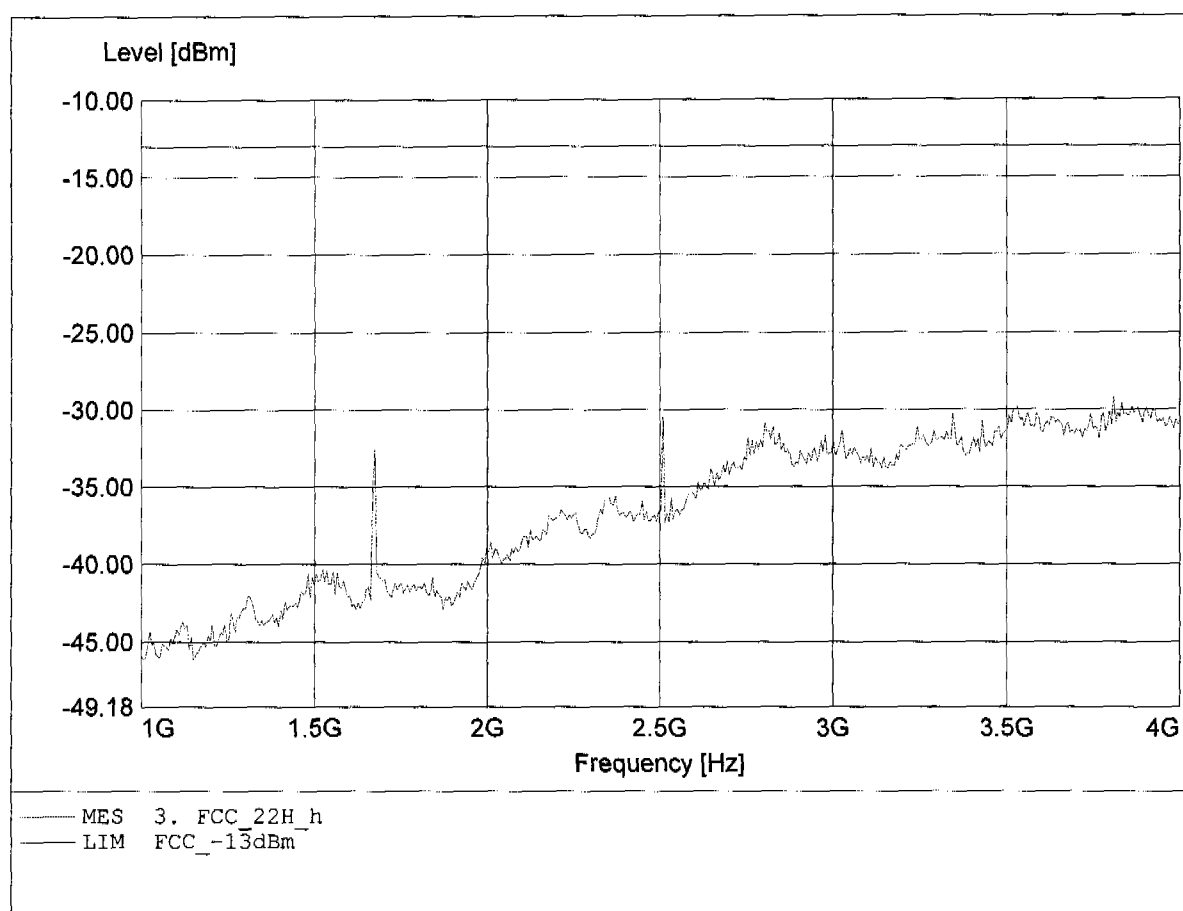
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Cannel: 188
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 2.509GHz, Pmax: -25.85dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

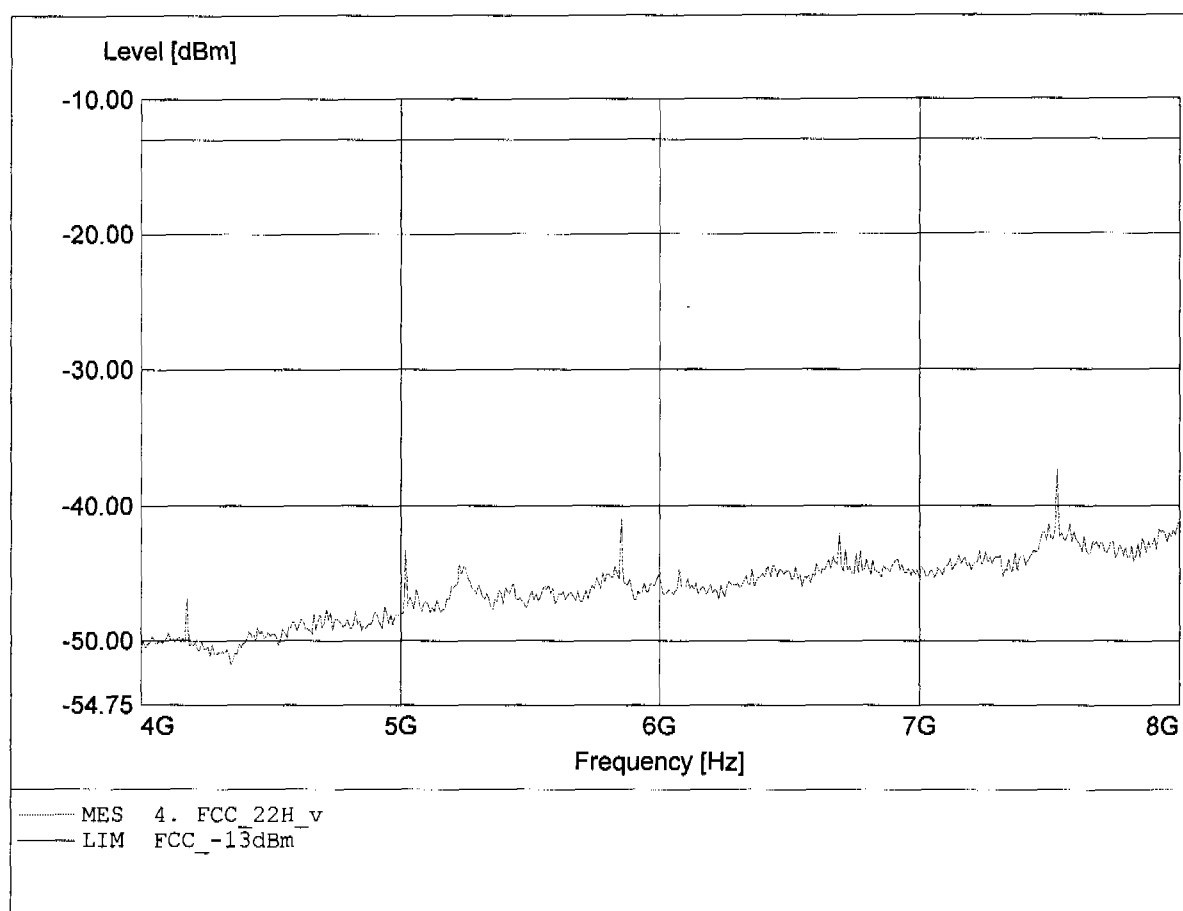
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Cannel: 188
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S22.917
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.808GHz, Pmax: -29.14dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

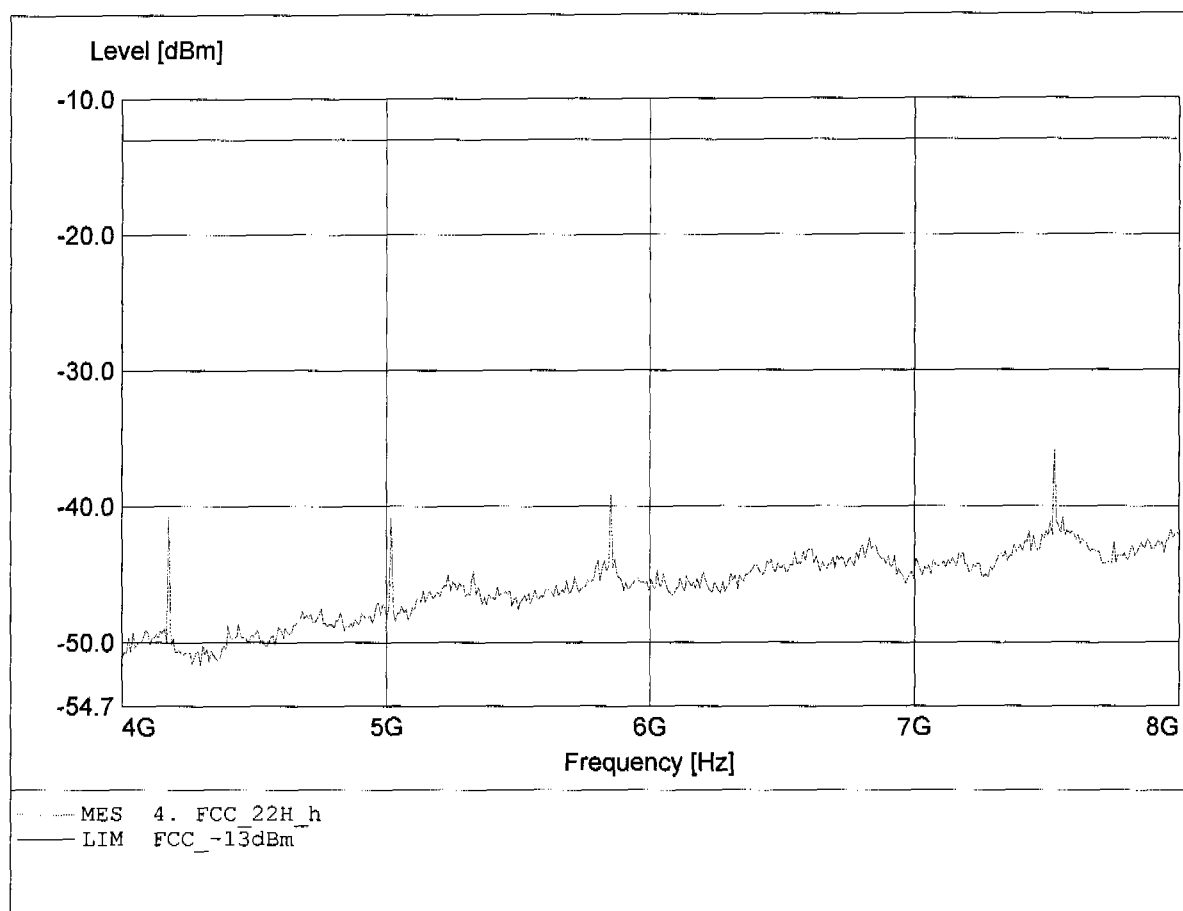
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.527GHz, Pmax: -37.25dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

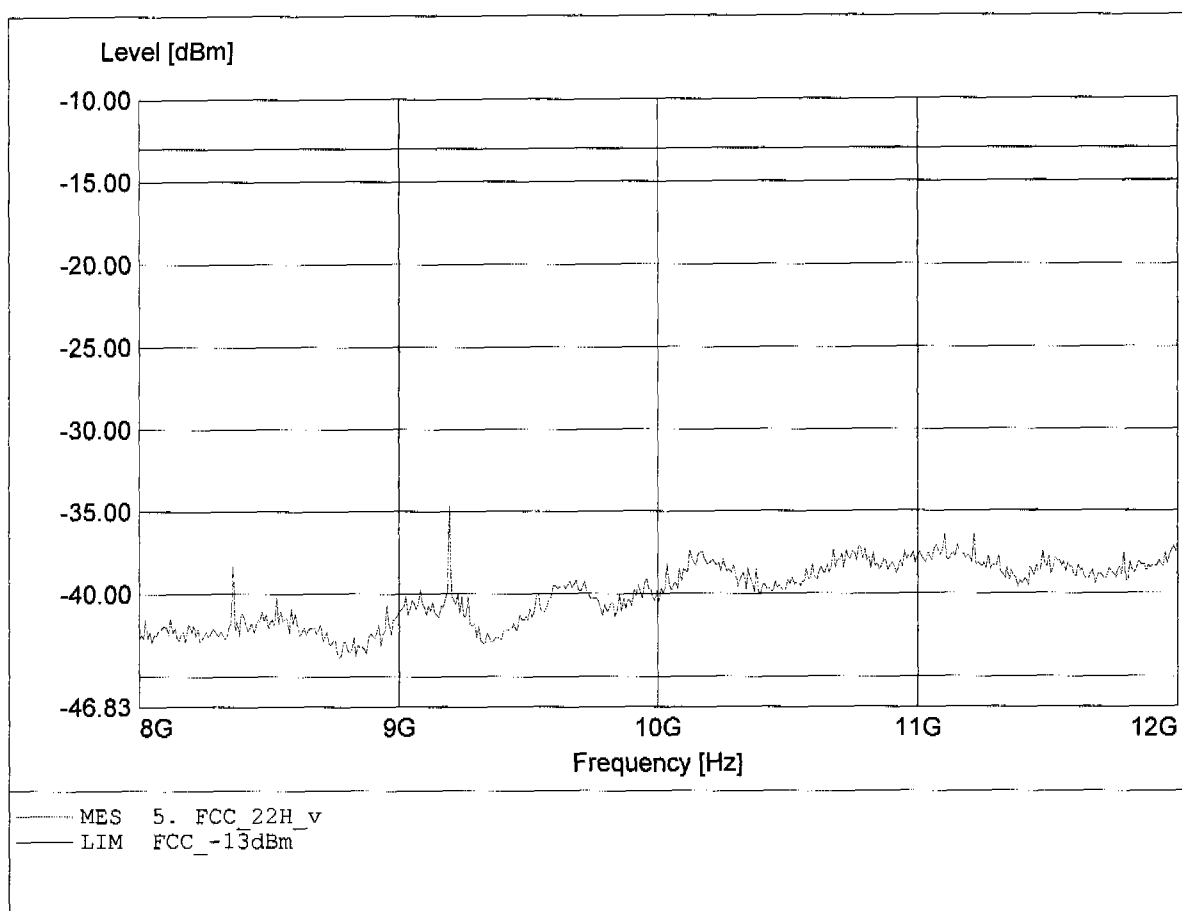
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.527GHz, Pmax: -35.75dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

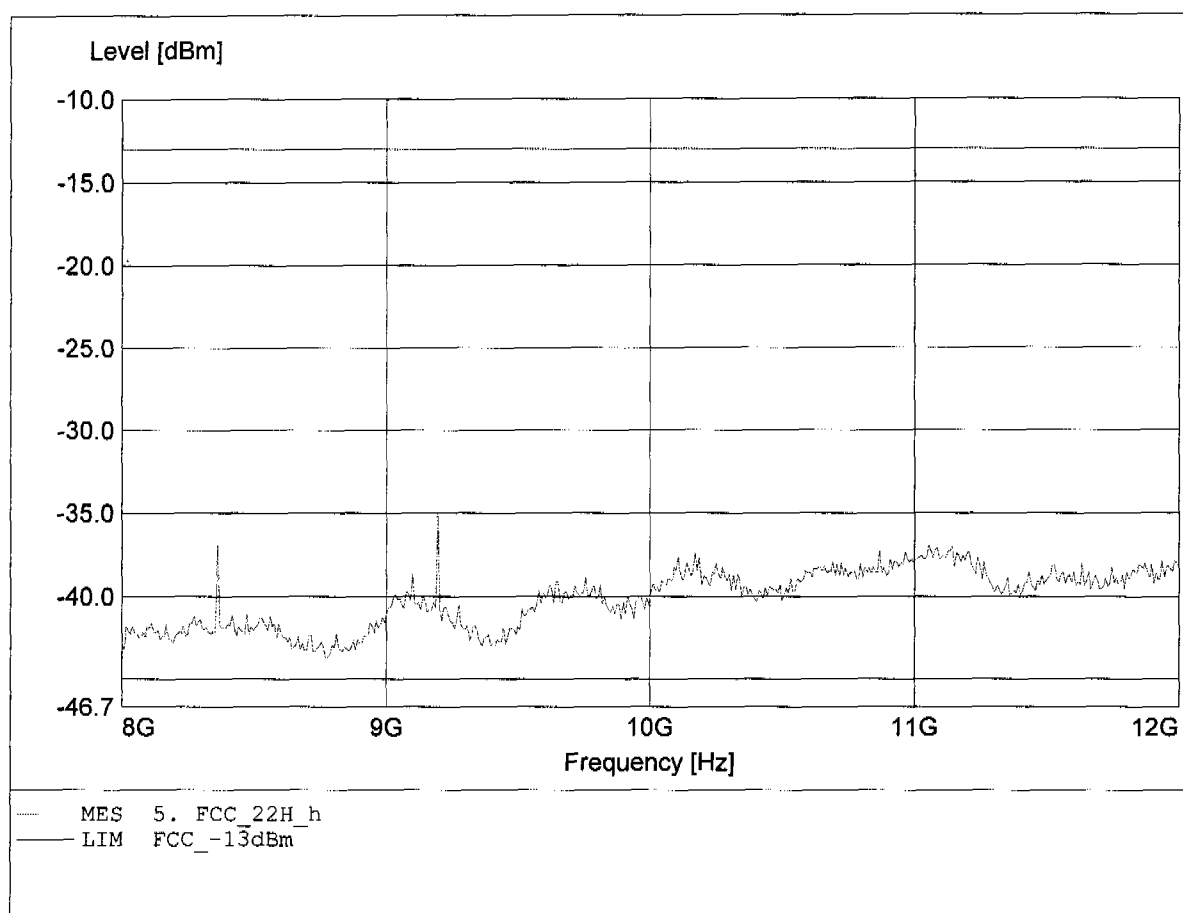
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 9.194GHz, Pmax: -34.62dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

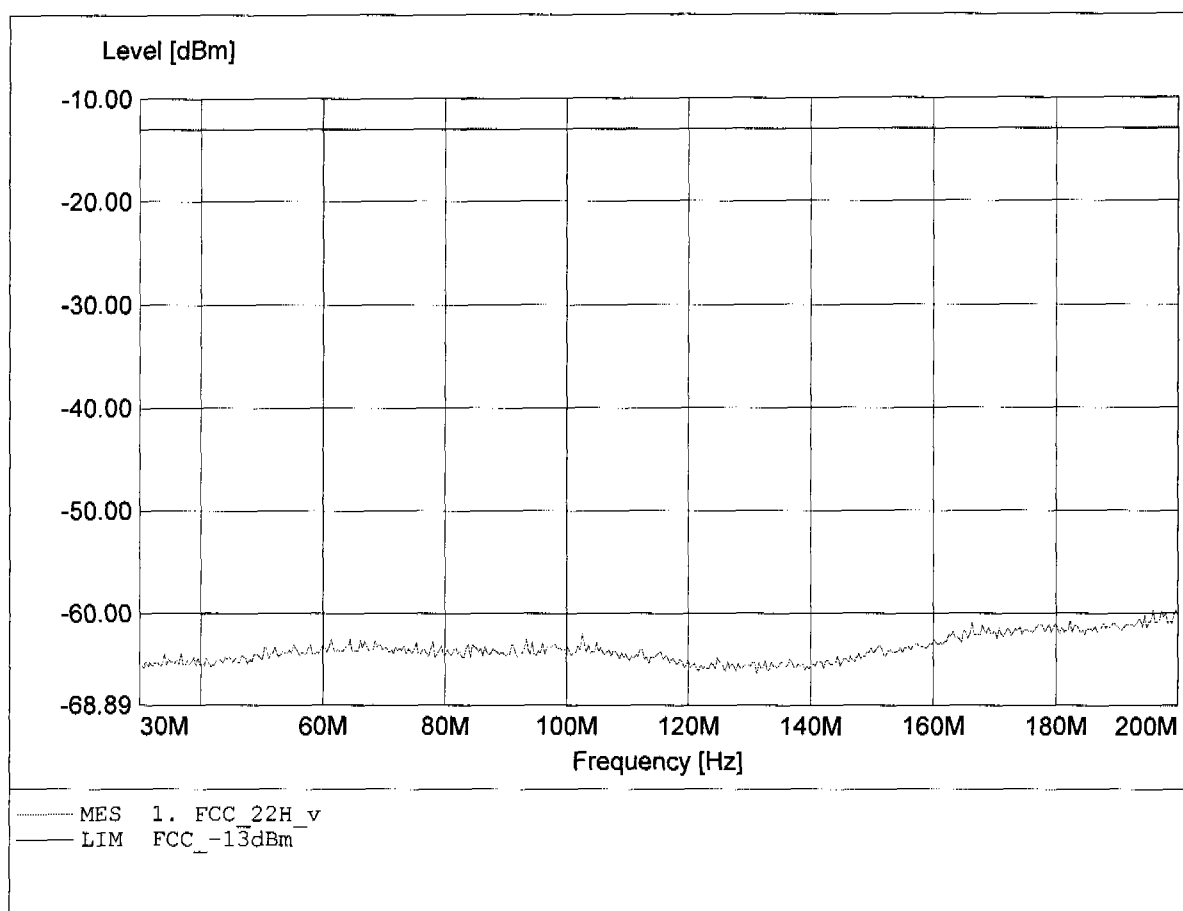
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 188
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 9.194GHz, Pmax: -34.96dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

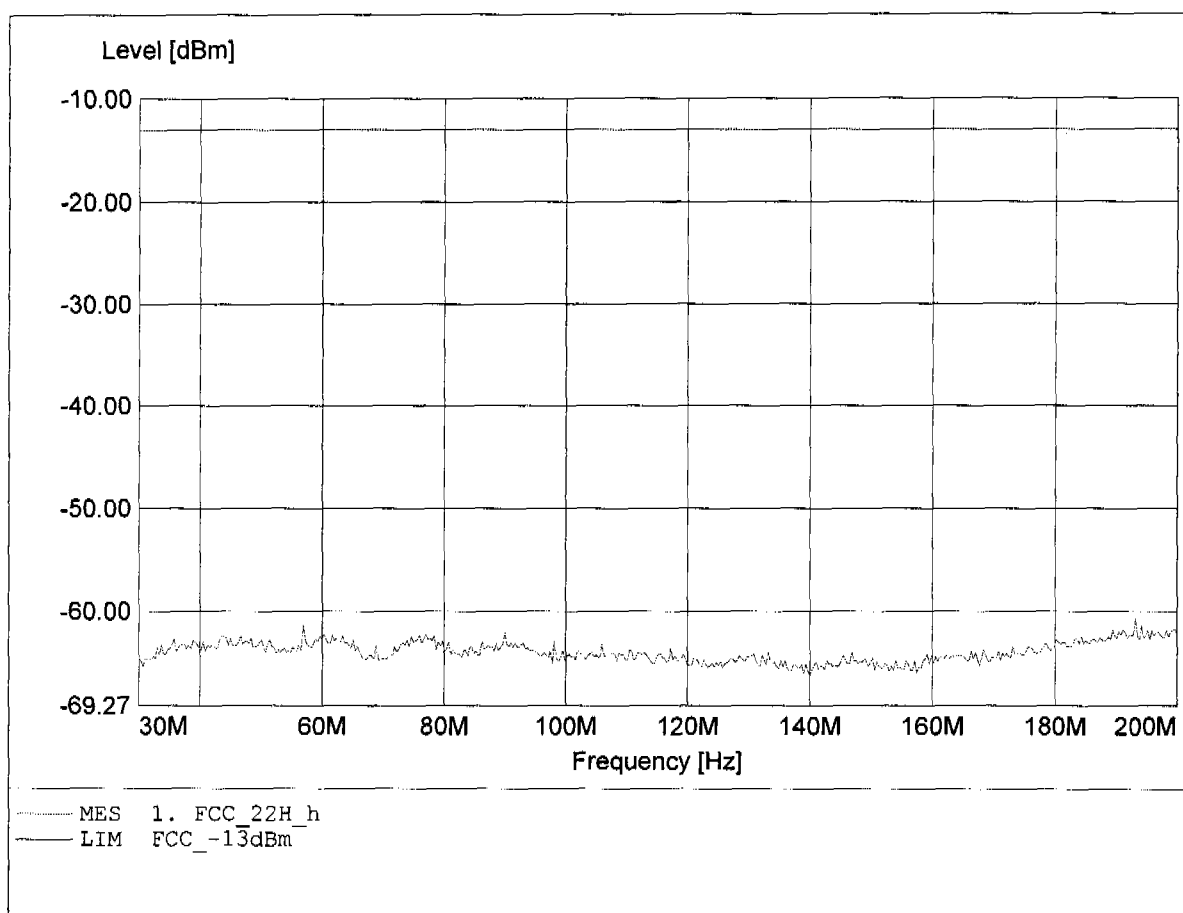
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 199.659MHz, Pmax: -59.67dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

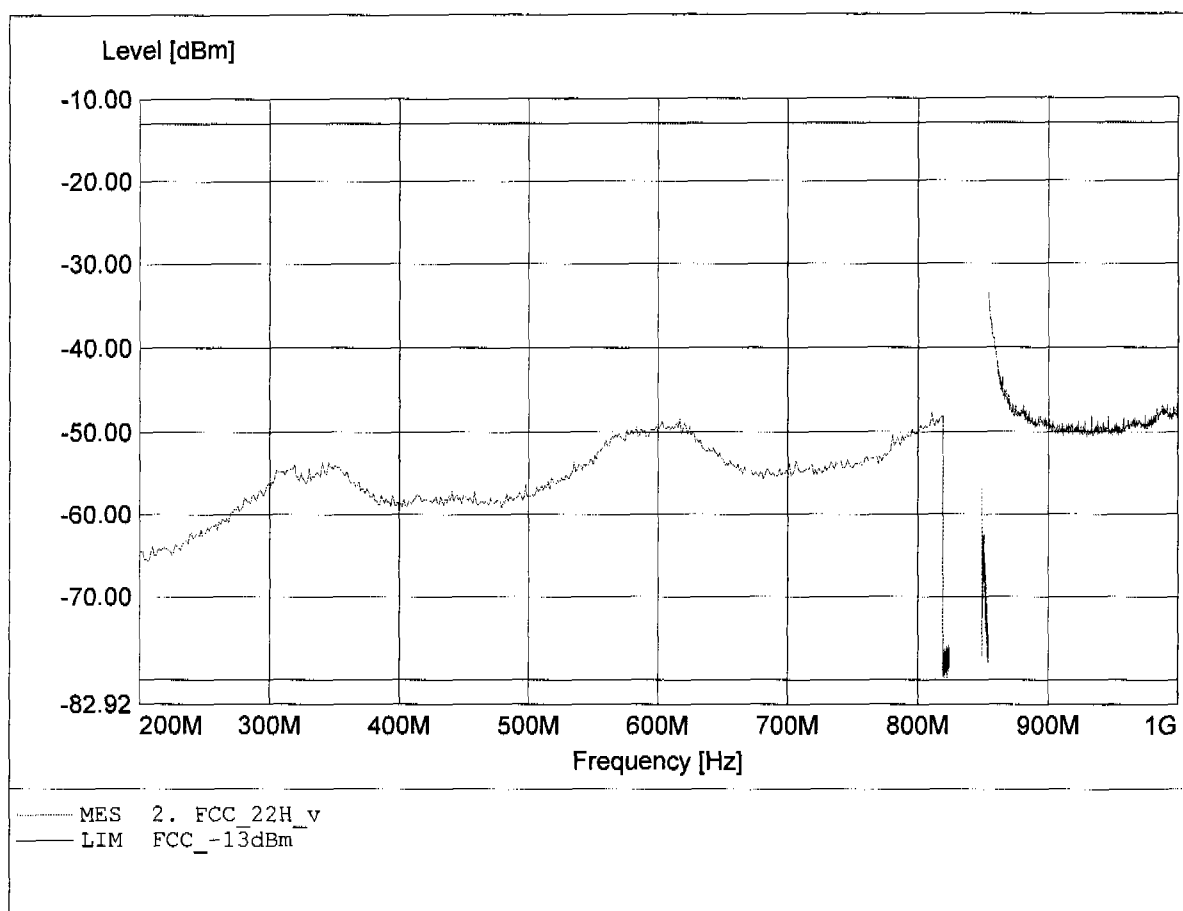
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 193.186MHz, Pmax: -60.70dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

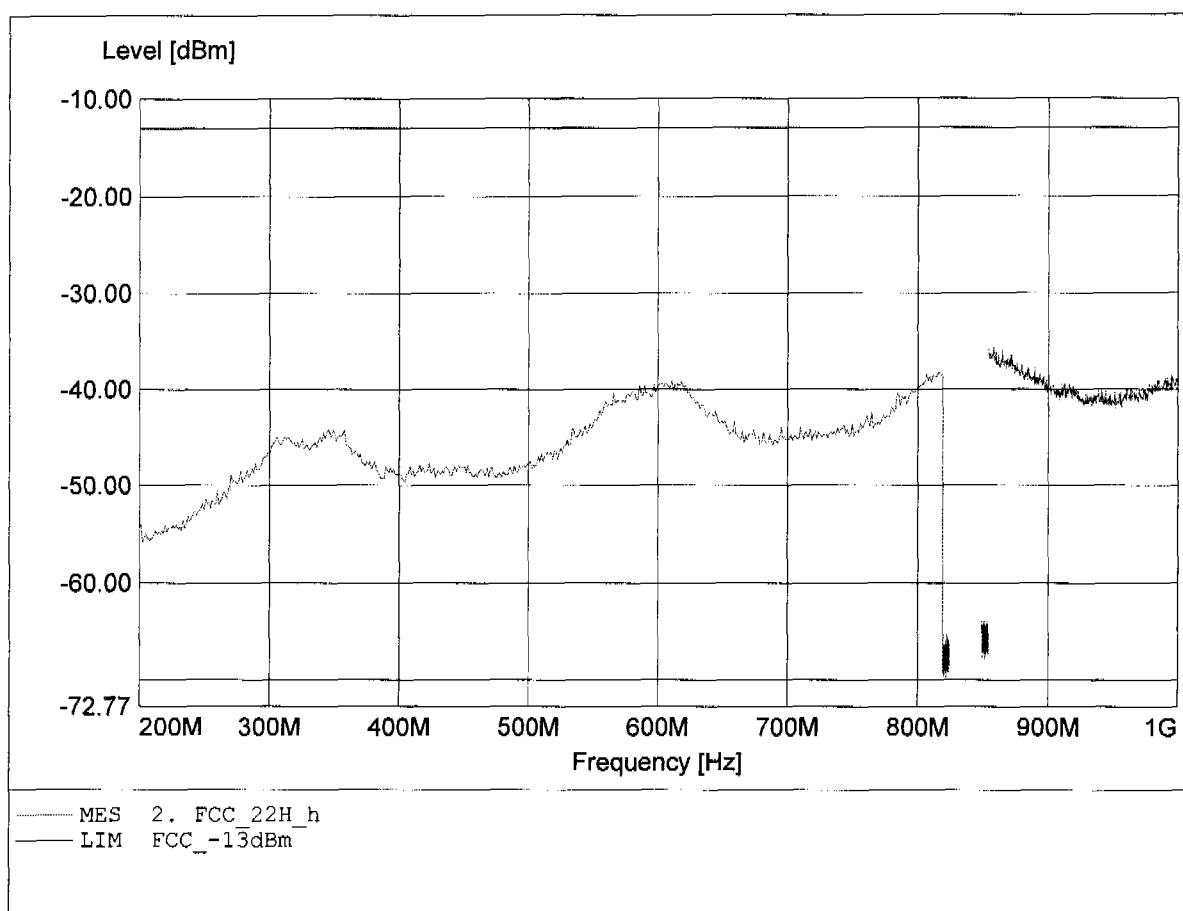
Applicant: Pantech Co., Ltd.
EUT/Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 854.000MHz, Pmax: -33.56dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

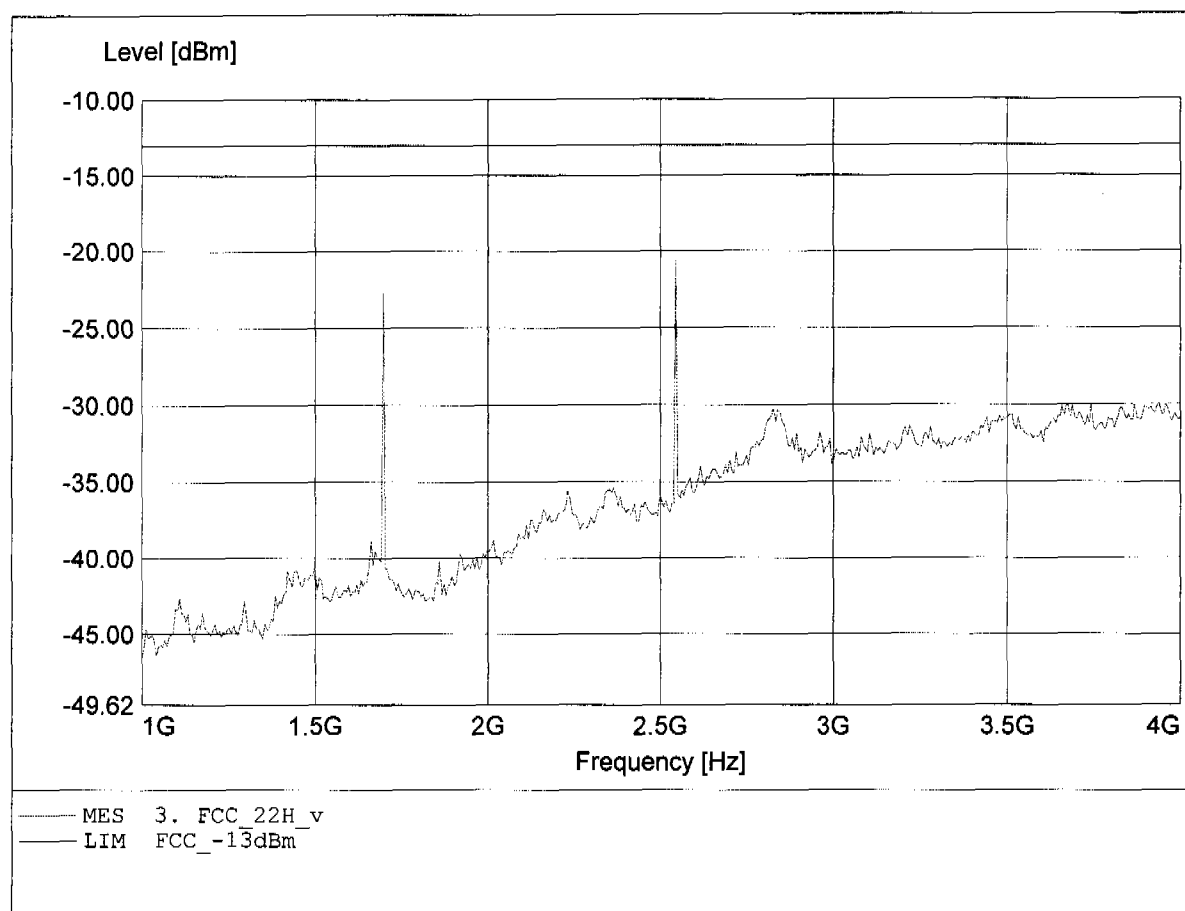
Applicant: Pantech Co., Ltd.
EUT/Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 857.804MHz, Pmax: -35.62dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

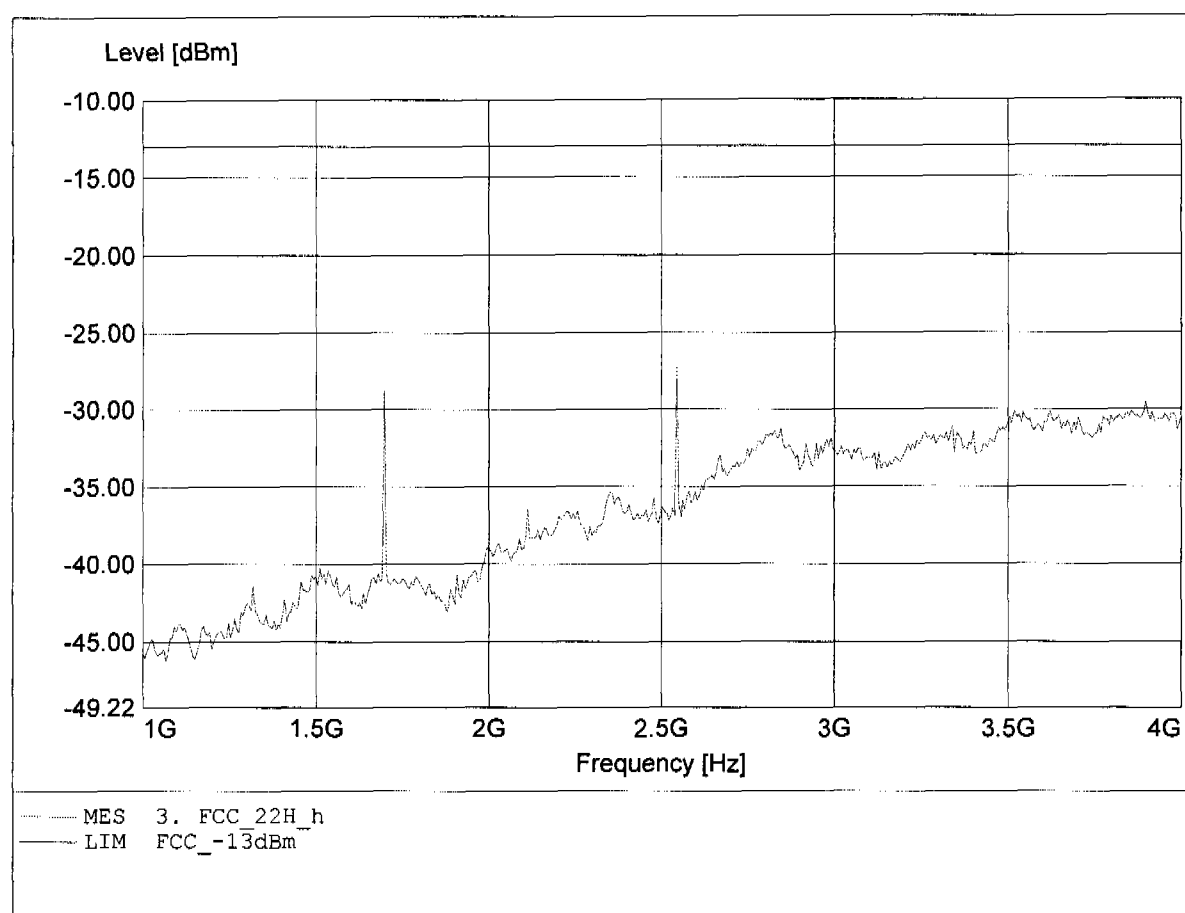
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Cannel: 251
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S22.917
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 2.545GHz, Pmax: -20.63dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

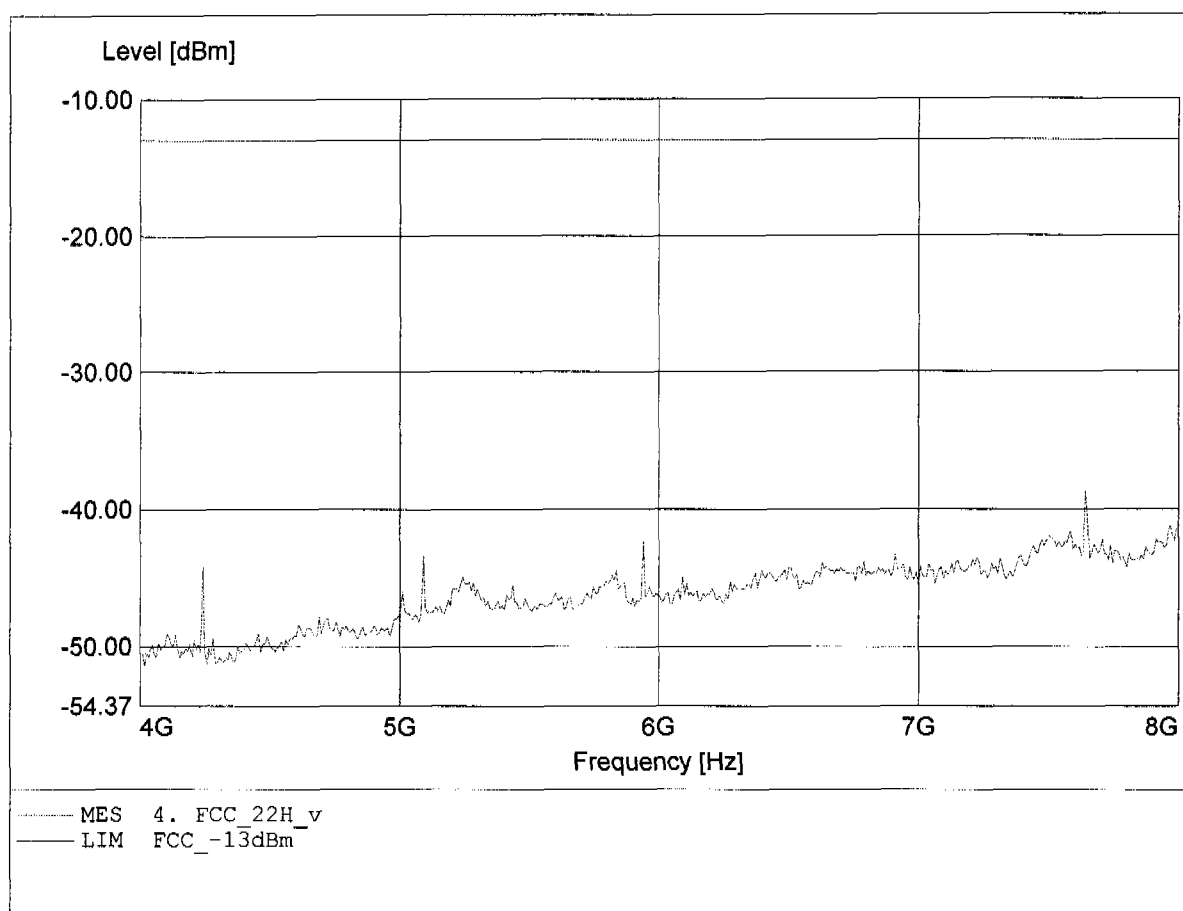
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Cannel: 251
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 2.545GHz, Pmax: -27.15dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

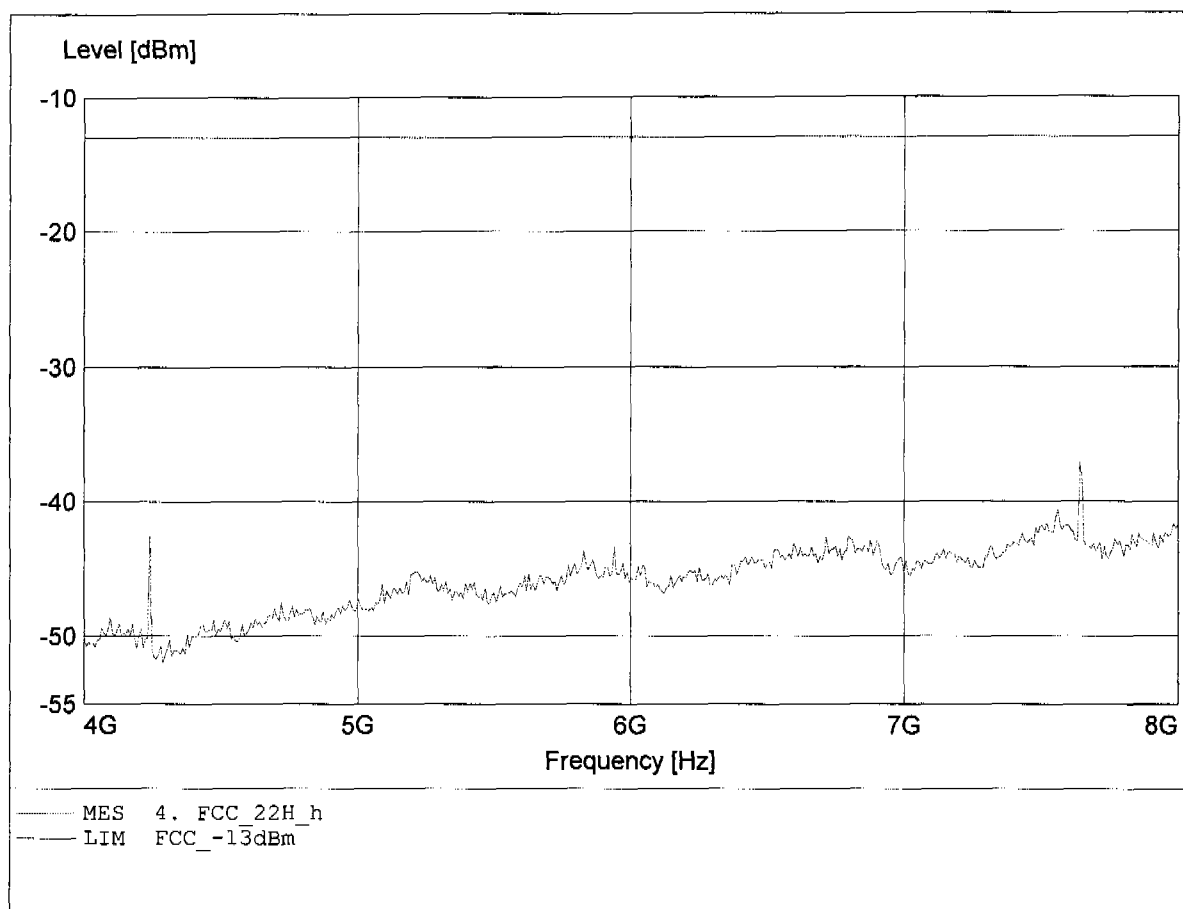
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.639GHz, Pmax: -38.63dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

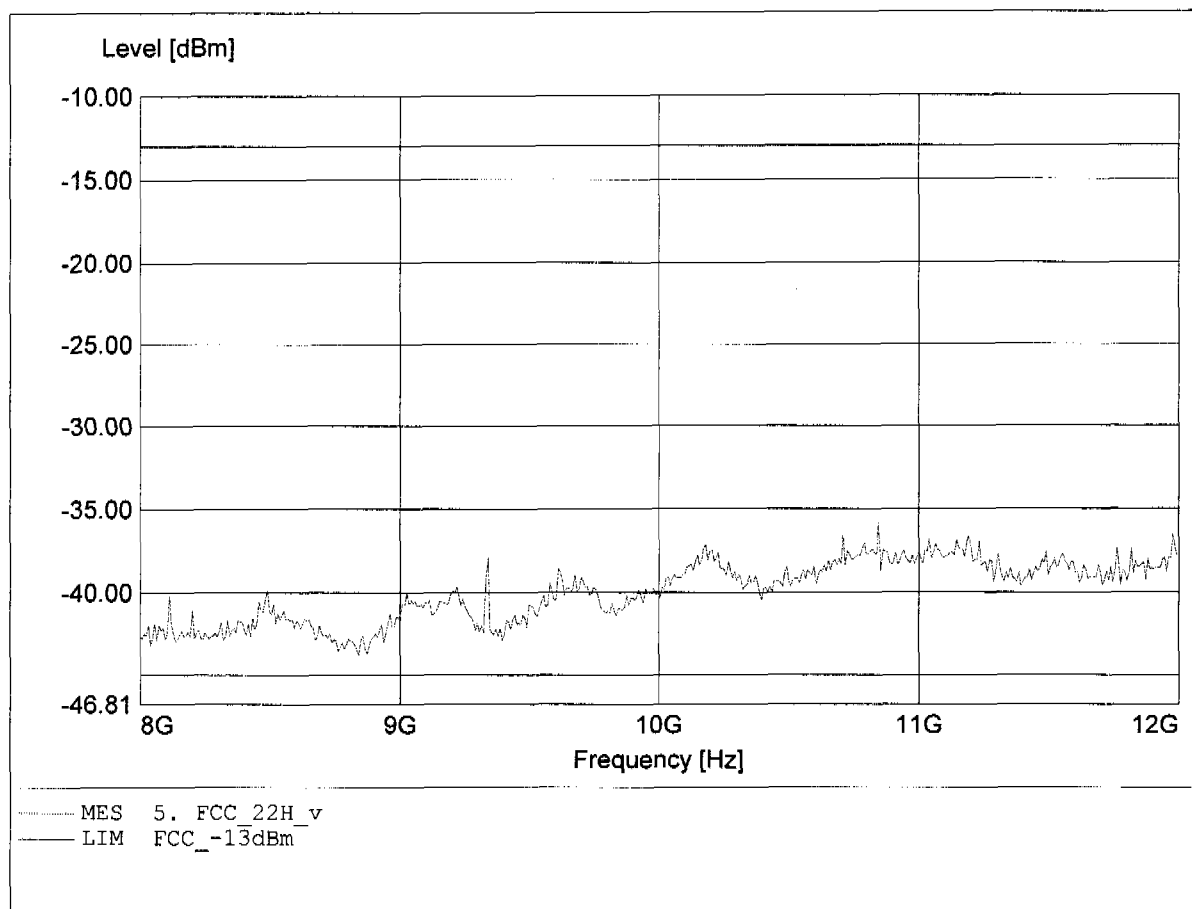
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.639GHz, Pmax: -37.06dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

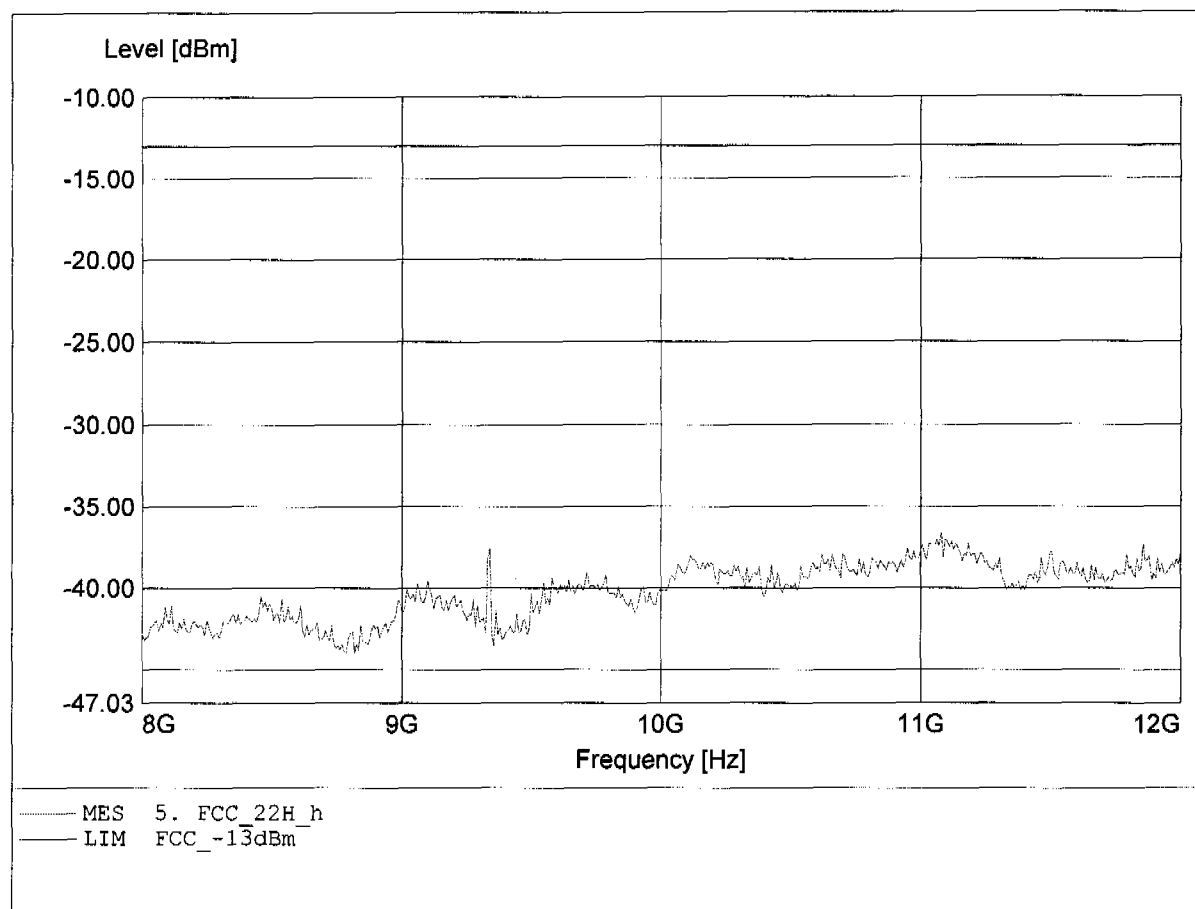
Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.: 23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 10.846GHz, Pmax: -35.84dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Applicant: Pantech Co., Ltd.
EUT/ Model: Dual Band GSM 850 / PCS 1900 (with WAP & GPRS) / GB310
Channel: 251
Temperature/ Voltage: Temp.:23°C, Unom.: 4,2 VDC
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: according to S22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.078GHz, Pmax: -36.62dBm, RBW: 1MHz

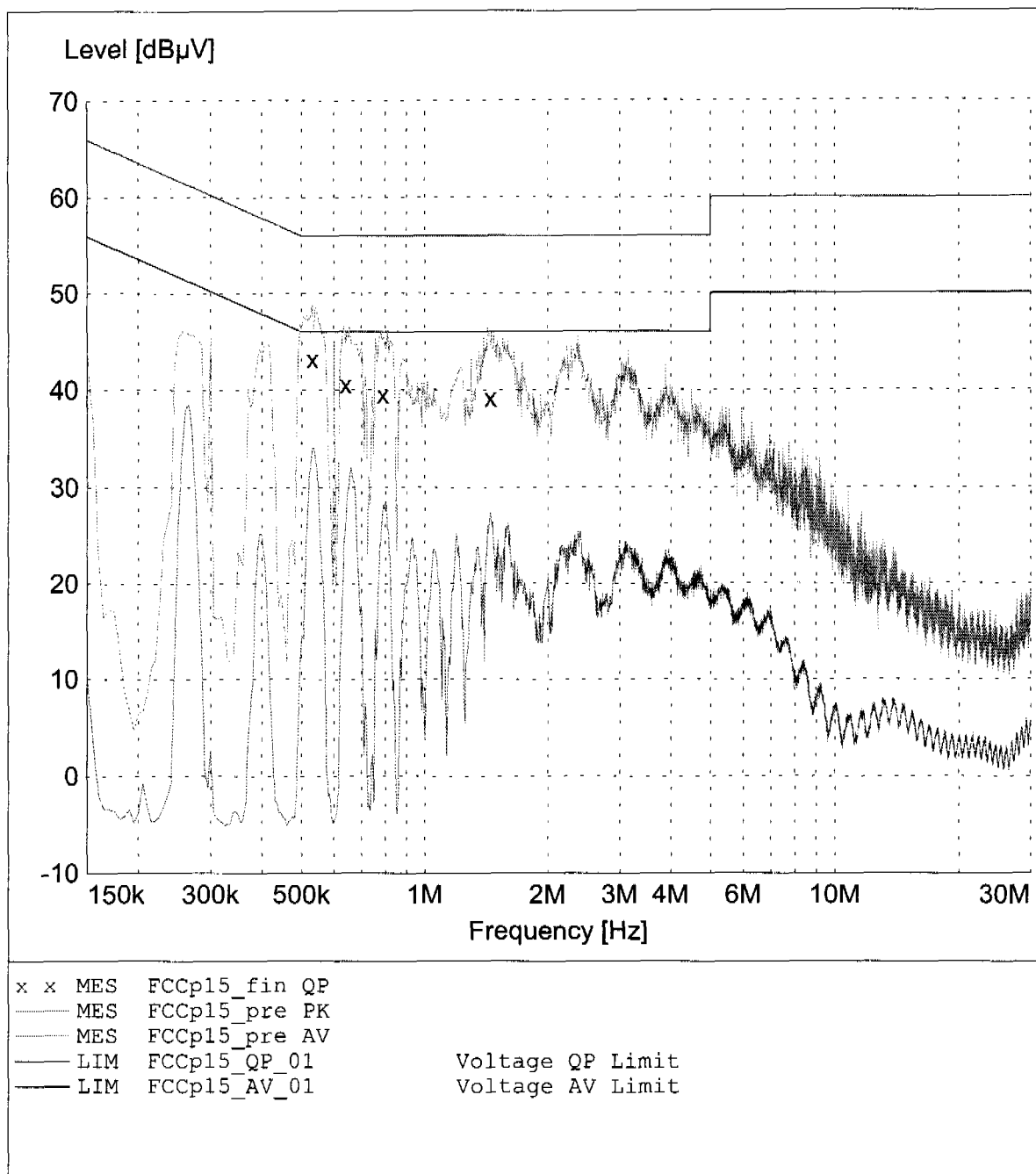


Appendix K

Line Conducted Emissions

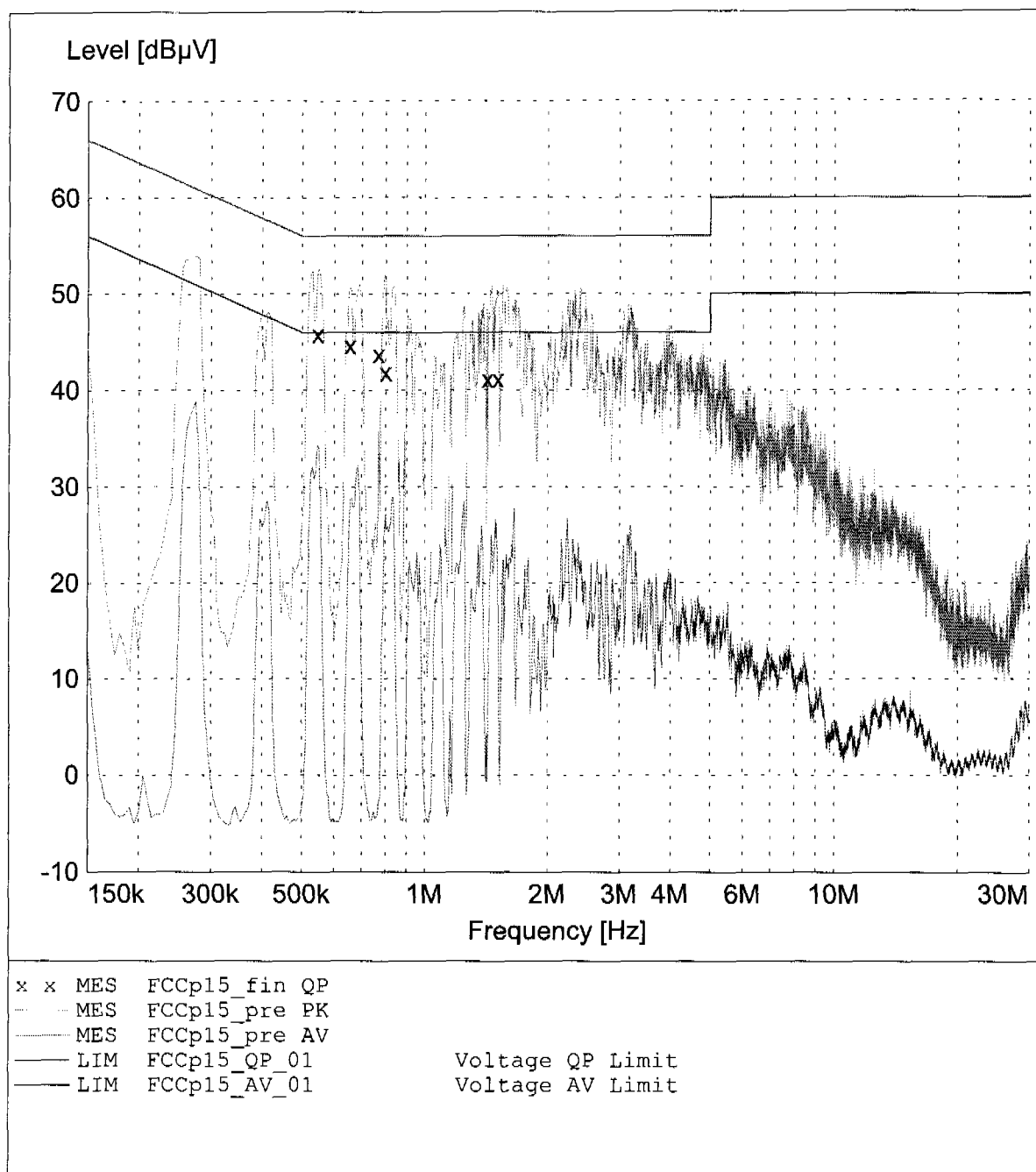
EMI voltage test in the ac-mains according to FCC part 15

EUT: Dual Band GSM 850 (E-GSM)/PCS 1900 (with WAP & GPRS)
Manufacturer: GN NETCOM
Operating Condition: Unom: 120 V AC (AC / DC -adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Jahn
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: GB310 mode: CHARGING
AC/DC-Adapter ANAM TA3521-EU



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

EUT: Dual Band GSM 850 (E-GSM)/PCS 1900 (with WAP & GPRS)
 Manufacturer: GN NETCOM
 Operating Condition: Unom: 120 V AC (AC / DC -adaptor), Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Jahn
 Test Specification: V-Network: ESH2-Z5 (N)
 Comment: model: GB310 mode: CHARGING
 AC/DC-Adapter ANAM TA3521-EU



Appendix L

Frequency Stability vs. Temperature

No diagrams
Refer to point 14.2

Appendix M

Frequency Stability vs. Voltage

No diagrams

Refer to point 15.2