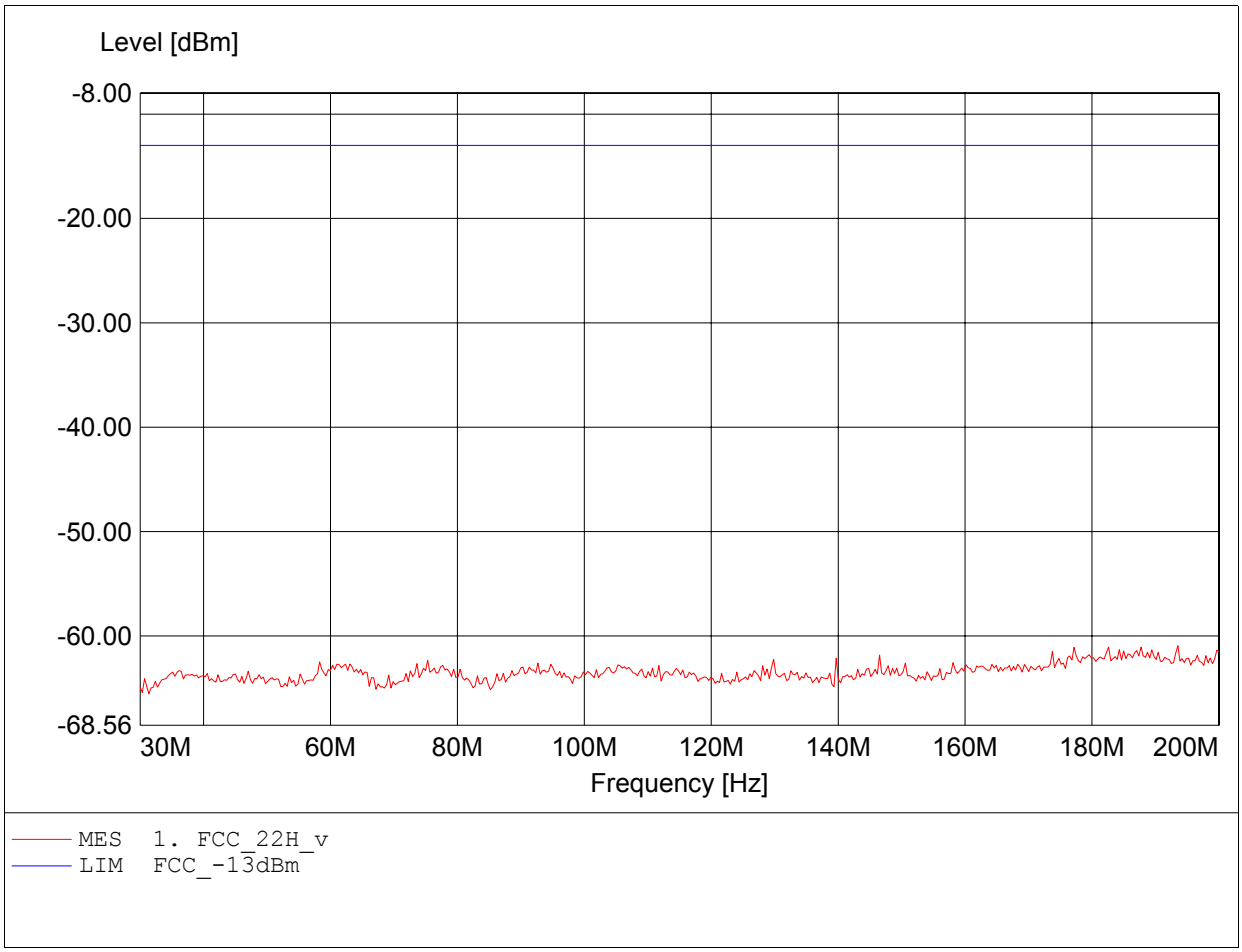
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 128
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq: 193.527MHz, Pmax: -60.93dBm, RBW: 1MHz



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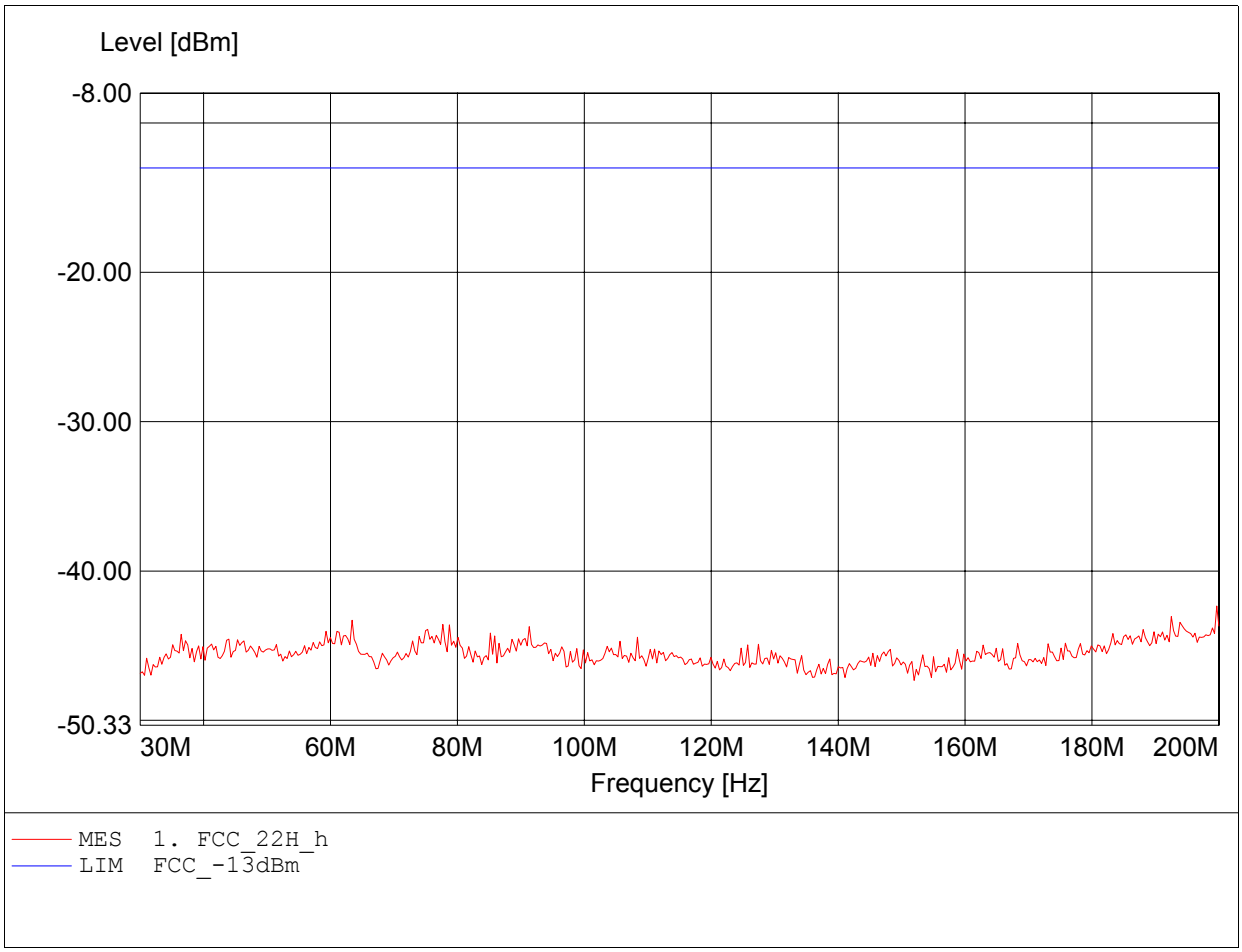
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 128
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq: 199.659MHz, Pmax: -42.35dBm, RBW: 1MHz



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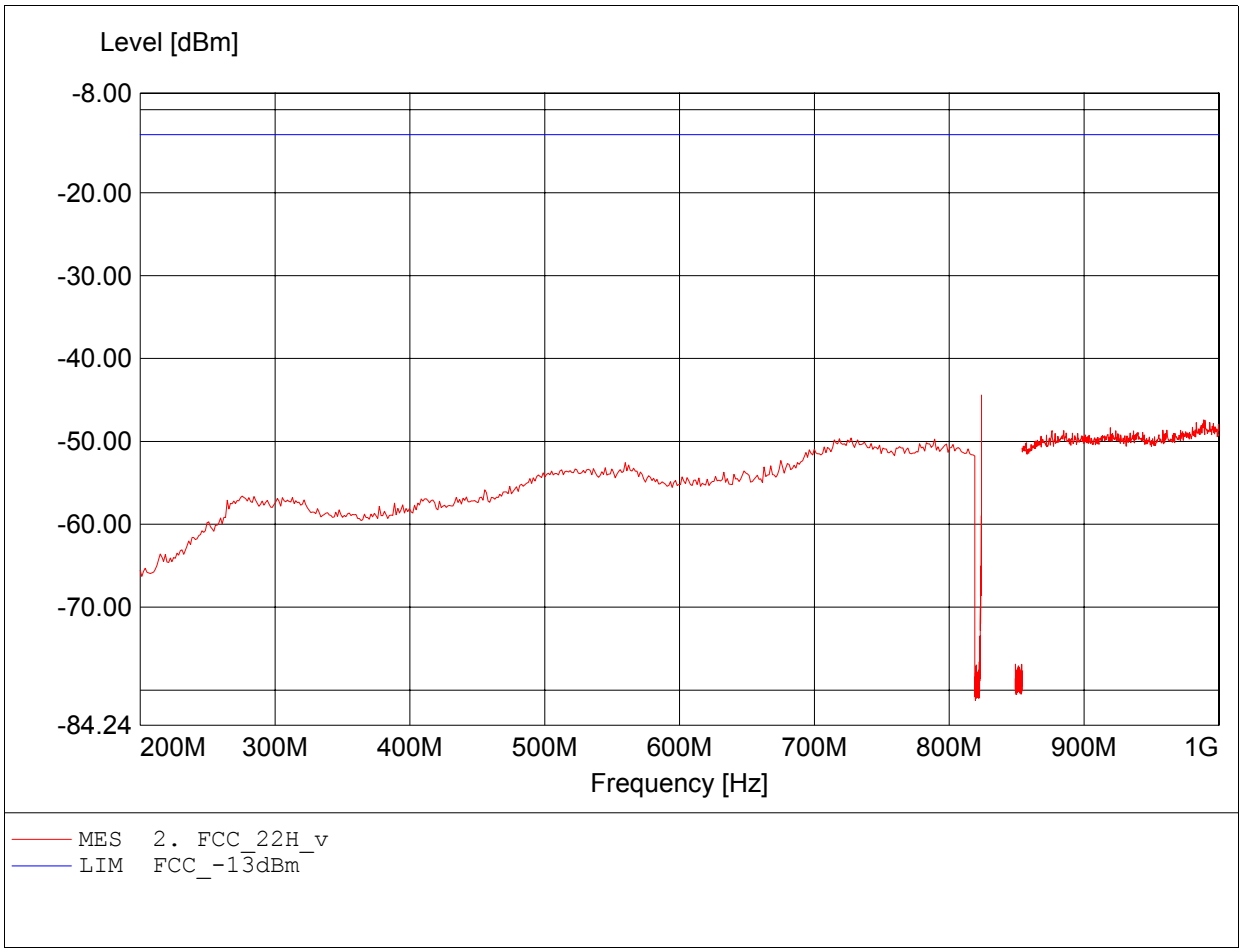
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 128
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL 223+notch
Comment 2:	Freq: 824.000MHz, Pmax: -44.41dBm, RBW: 1MHz



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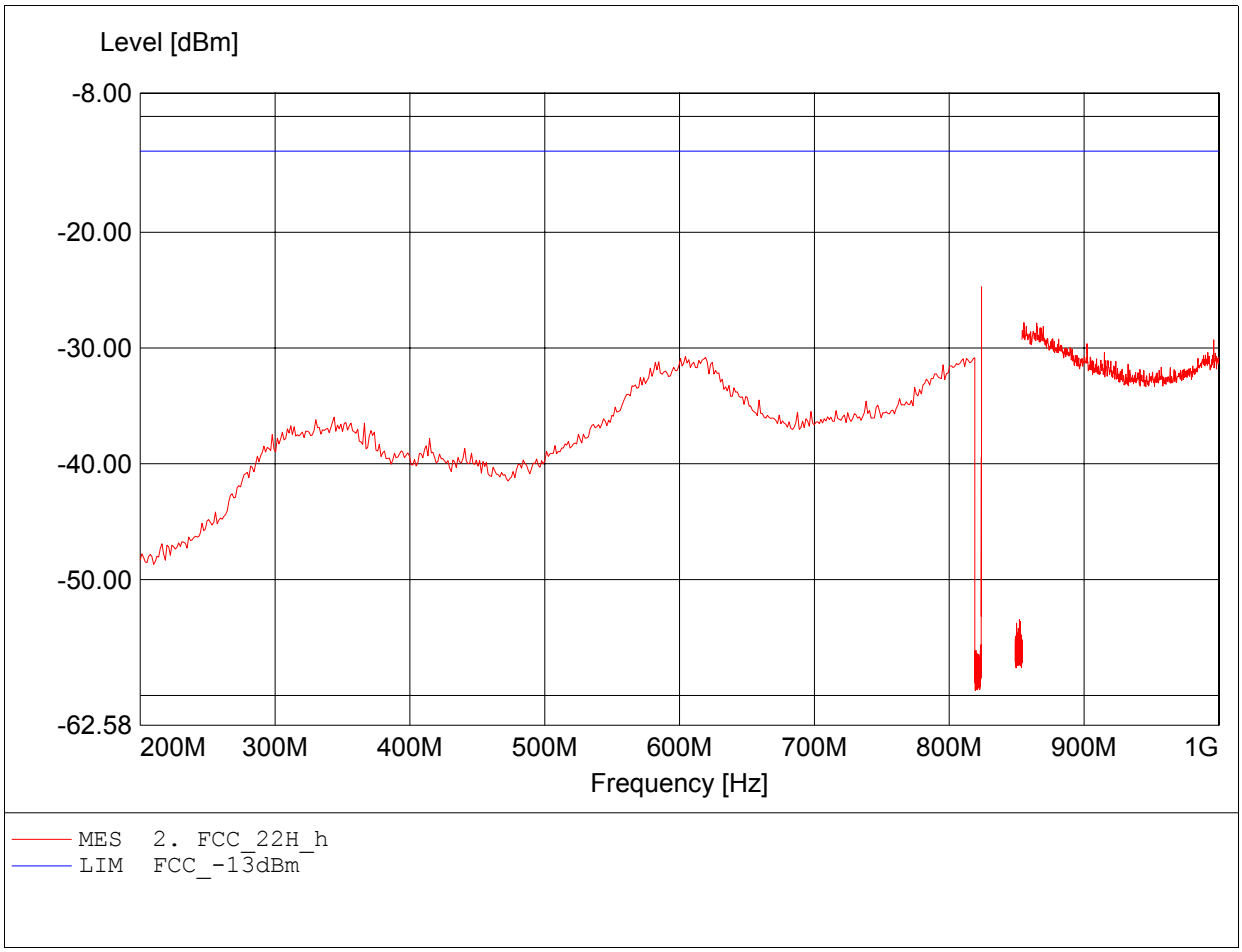
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 128
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL 223+notch
Comment 2:	Freq: 824.000MHz, Pmax: -24.71dBm, RBW: 1MHz



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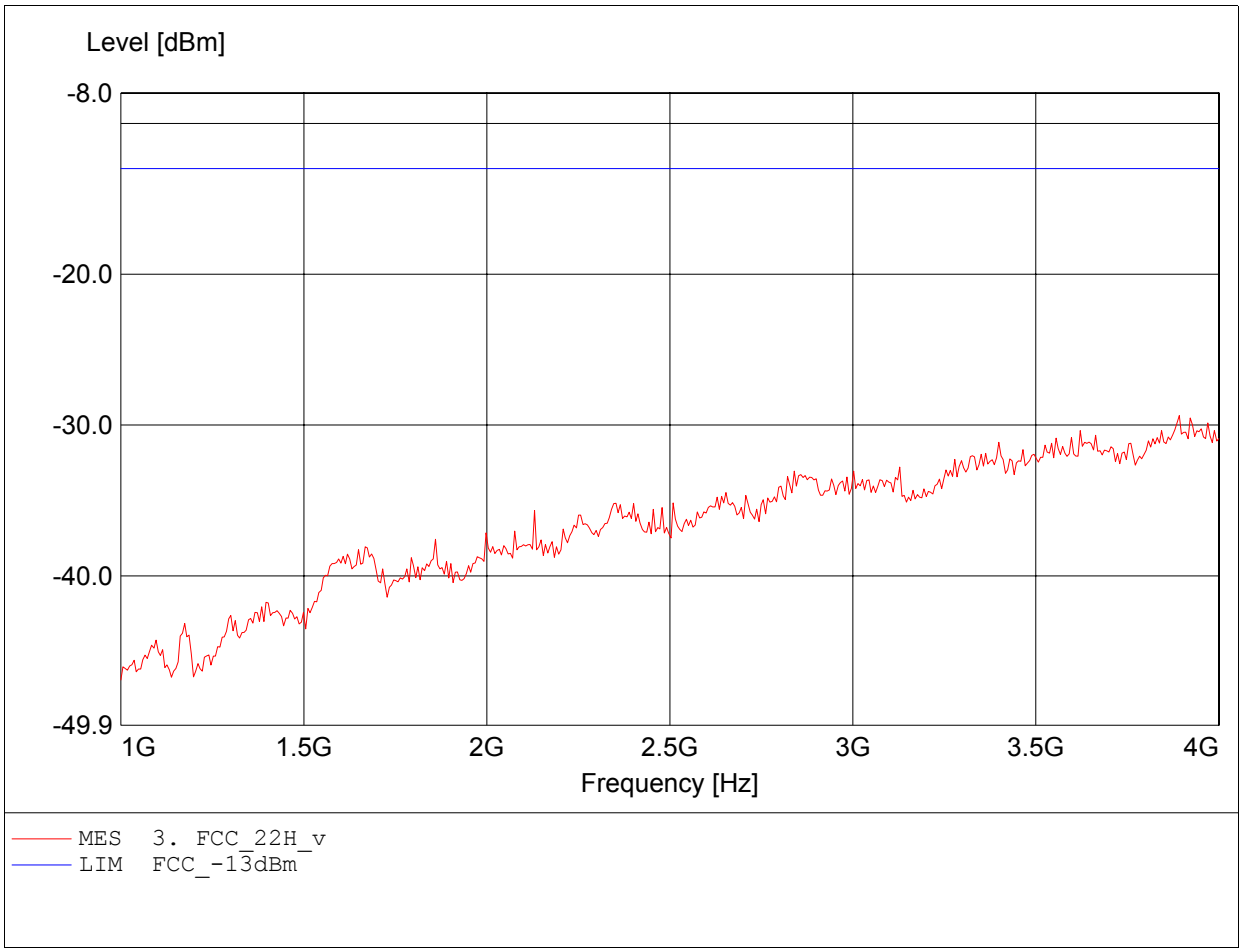
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

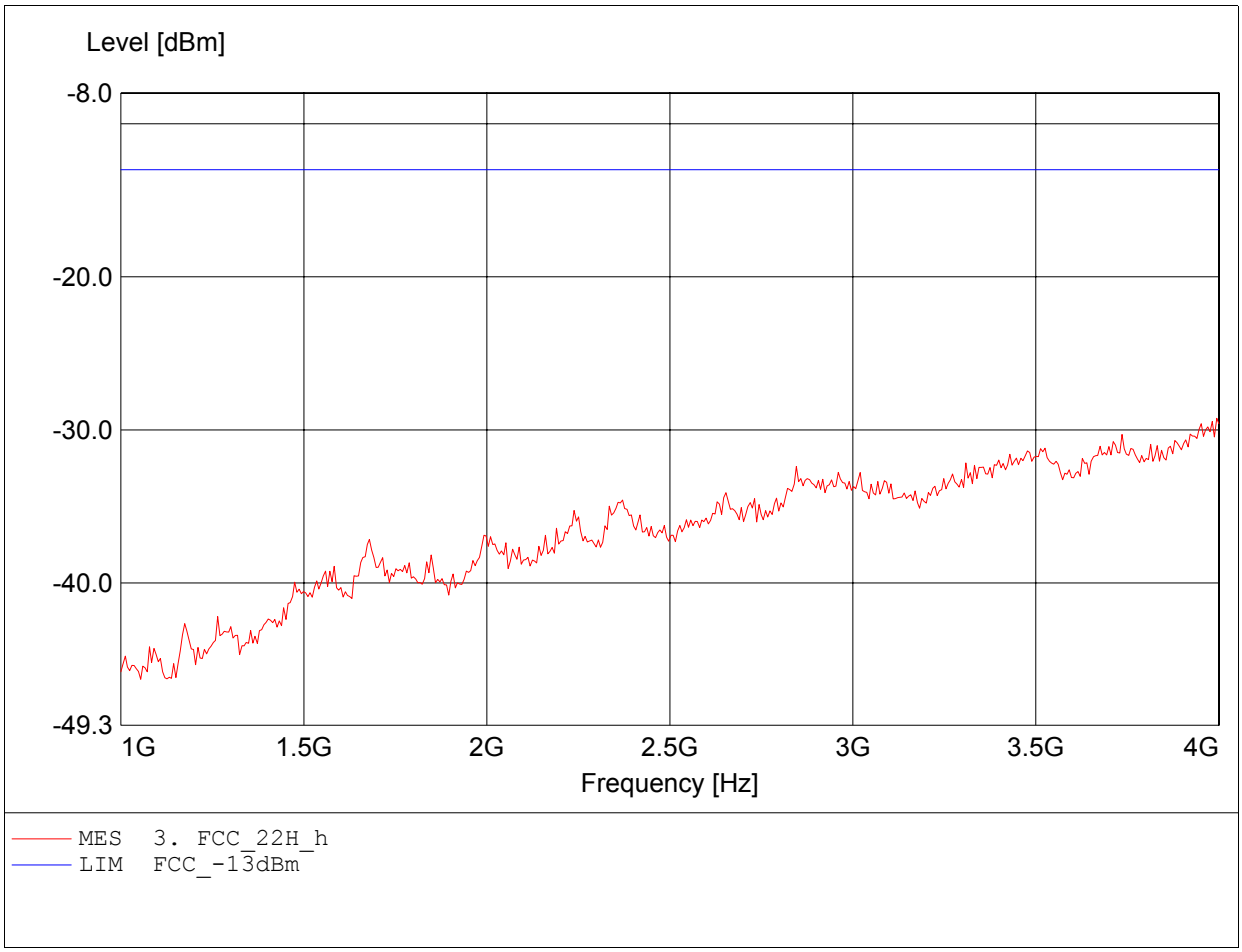
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 512
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025
Comment 2:	Freq: 3.892GHz, Pmax: -29.38dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 128
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025
Comment 2:	Freq: 3.994GHz, Pmax: -29.24dBm, RBW: 1MHz



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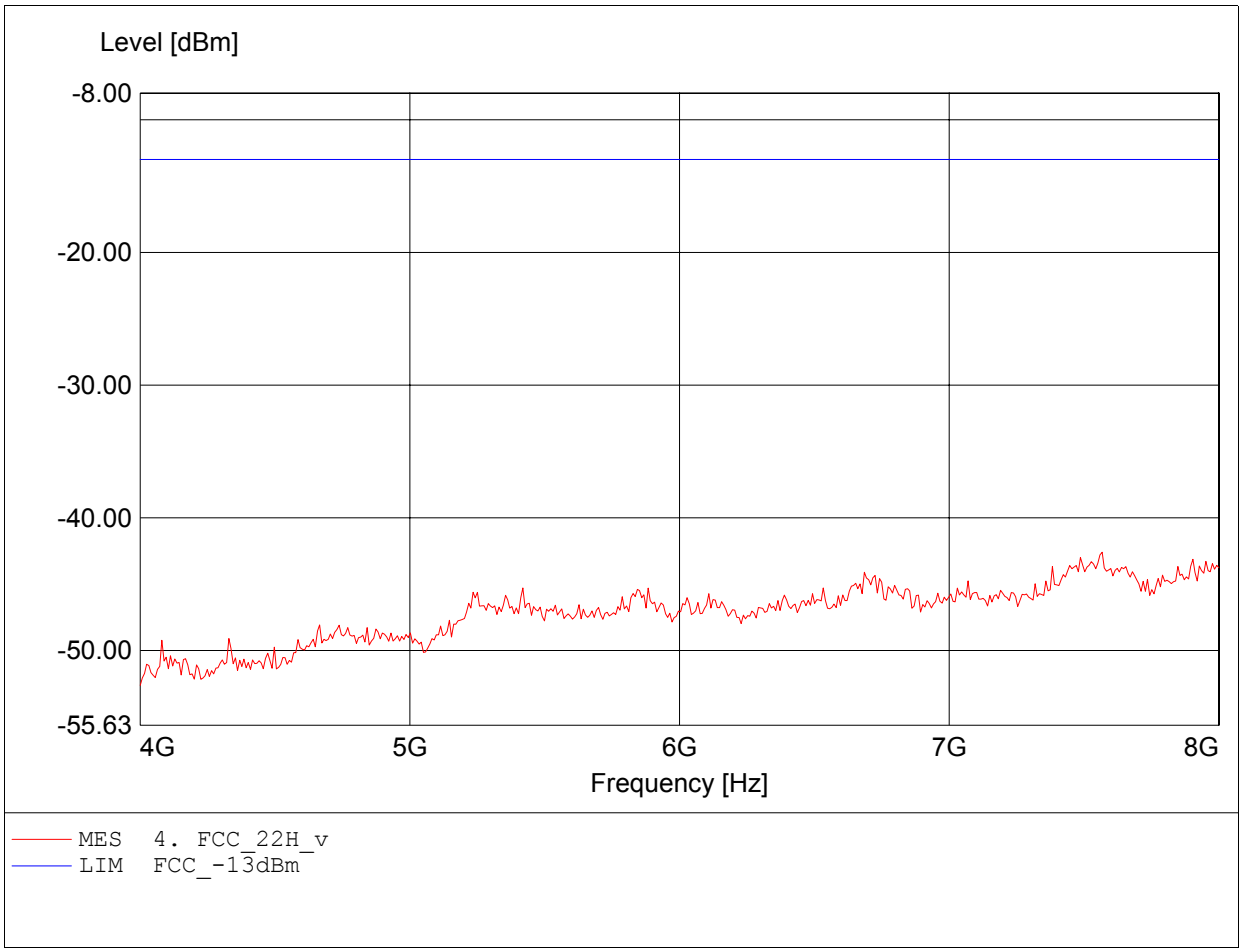
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

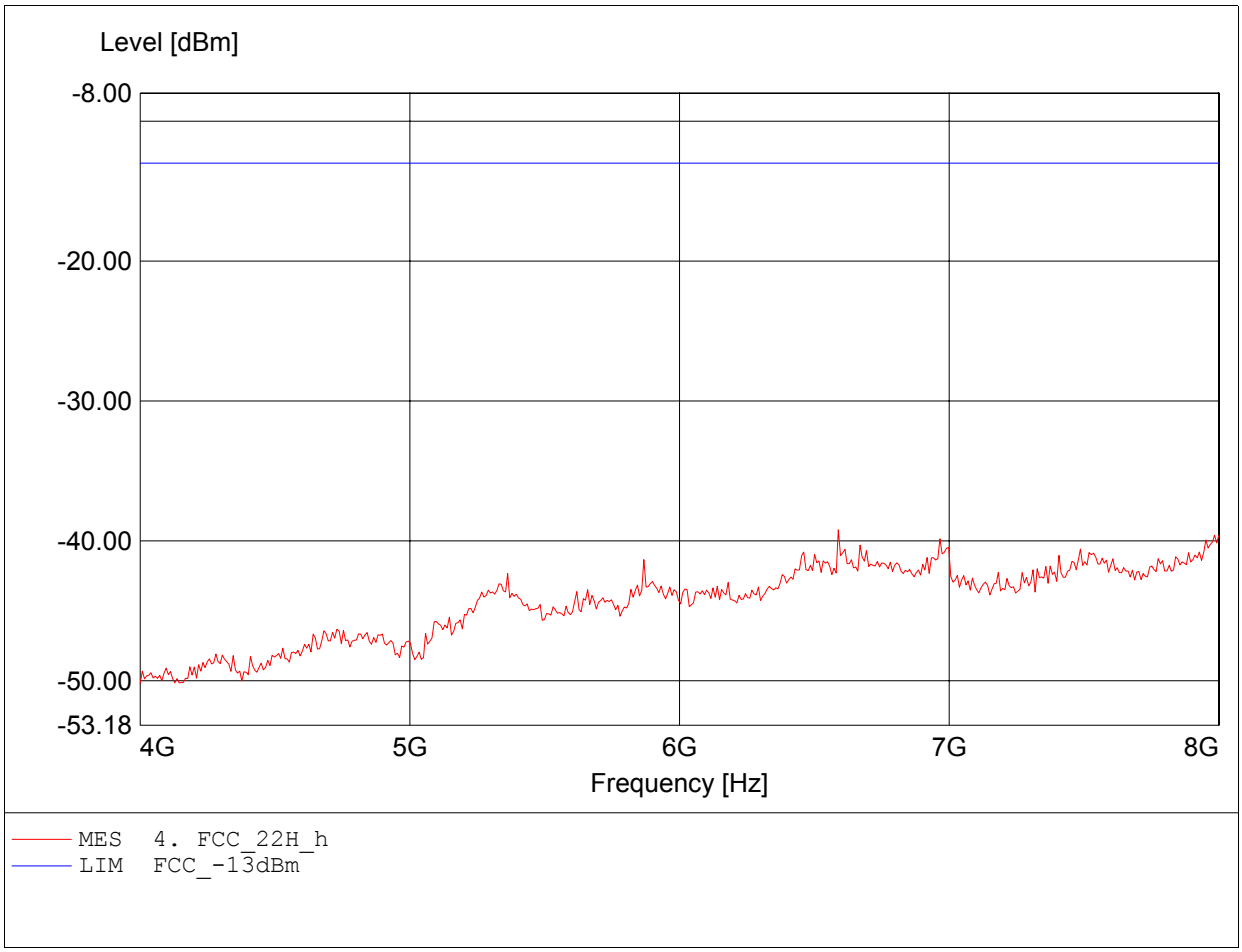
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 128
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 7.567GHz, Pmax: -42.60dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder: Pantech Co. Ltd.
EUT: Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel: PG-1910 / 128
Test Site / Operator: ETS / Mr. Heide
Temperature/ Voltage: 23°C / Unom.: 4.20 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 6.589GHz, Pmax: -39.21dBm, RBW: 1MHz



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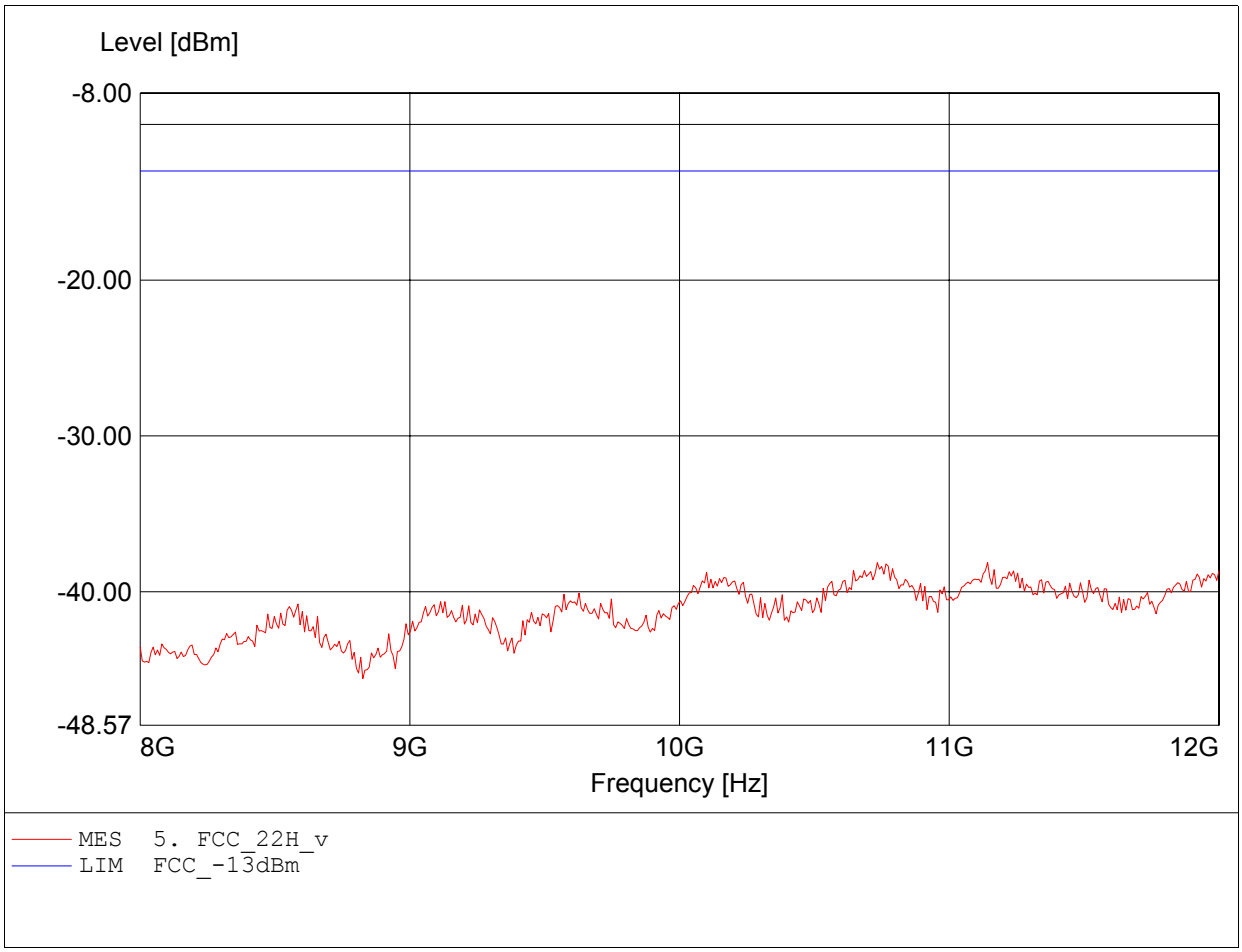
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

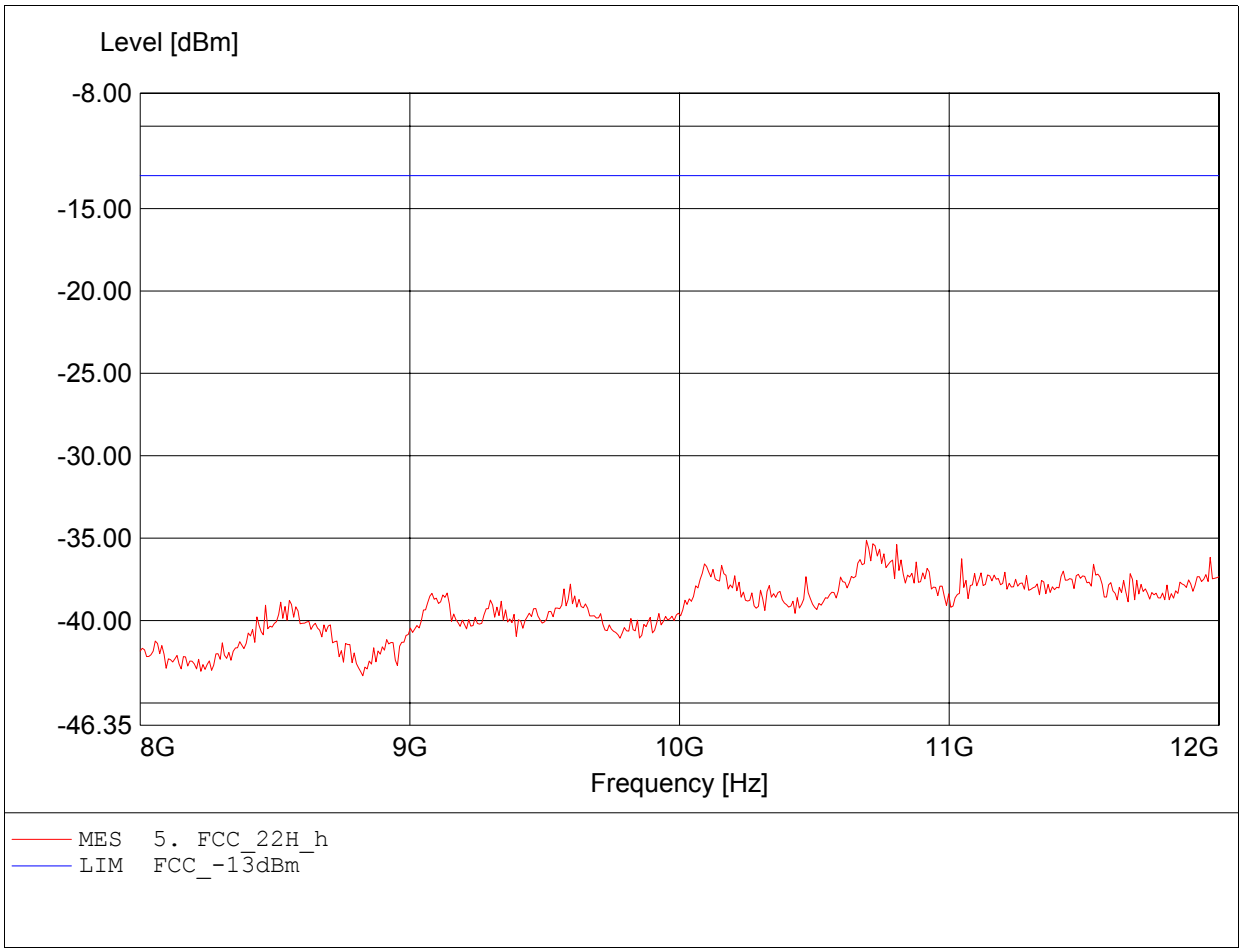
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 128
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 11.142GHz, Pmax: -38.12dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

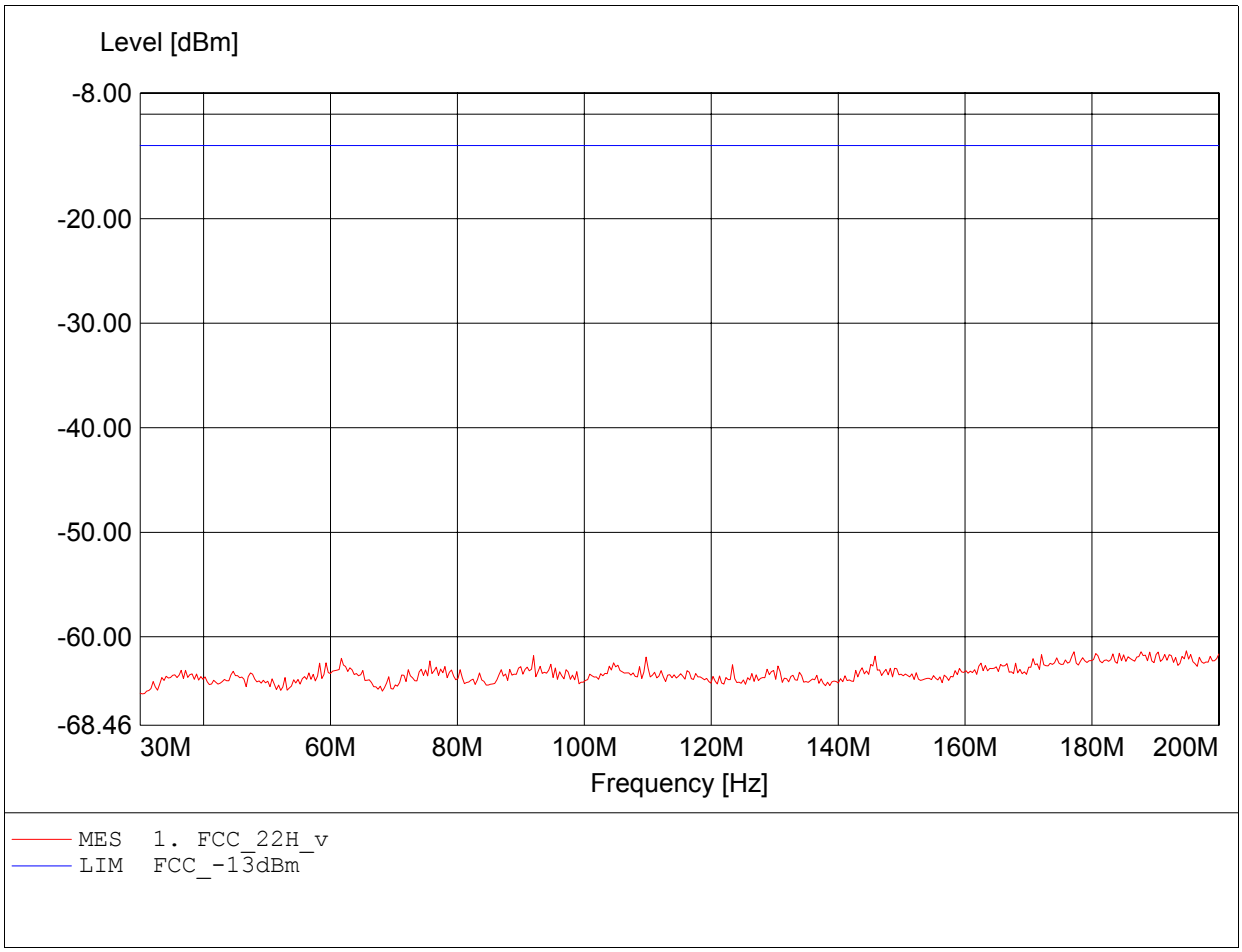
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 128
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 10.693GHz, Pmax: -35.13dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq: 194.890MHz, Pmax: -61.33dBm, RBW: 1MHz



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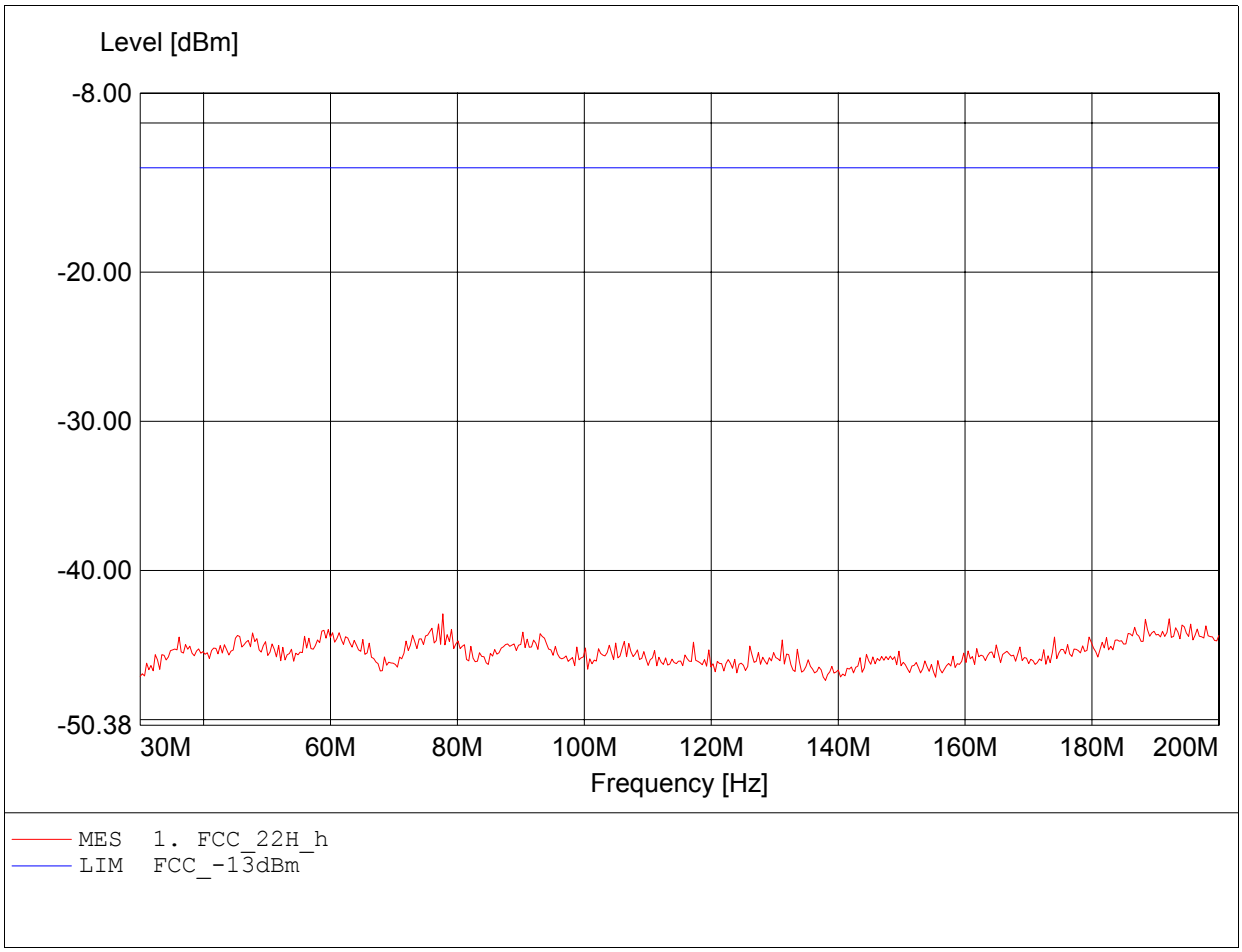
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

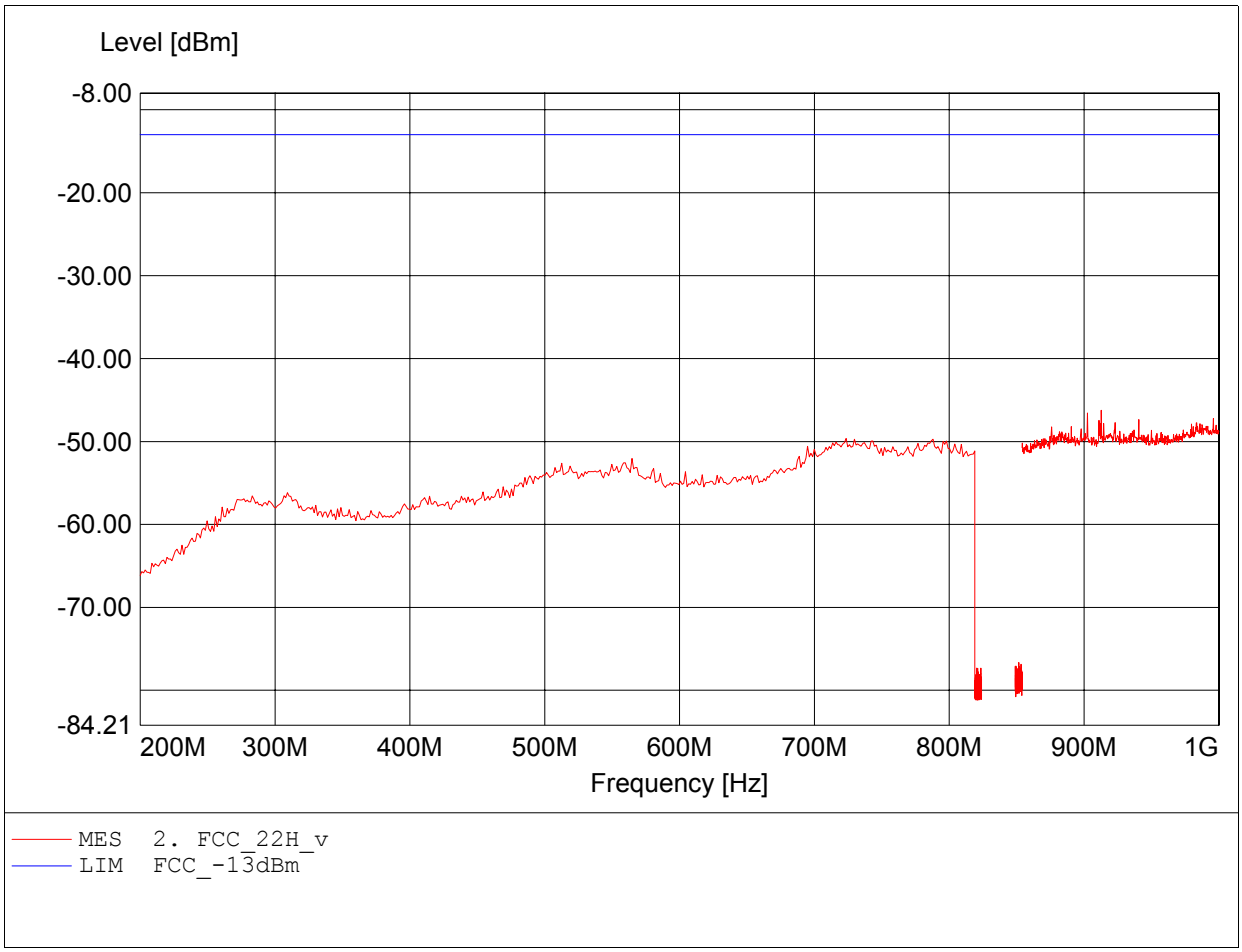
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq: 77.695MHz, Pmax: -42.92dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL 223+notch
Comment 2:	Freq: 912.810MHz, Pmax: -46.23dBm, RBW: 1MHz



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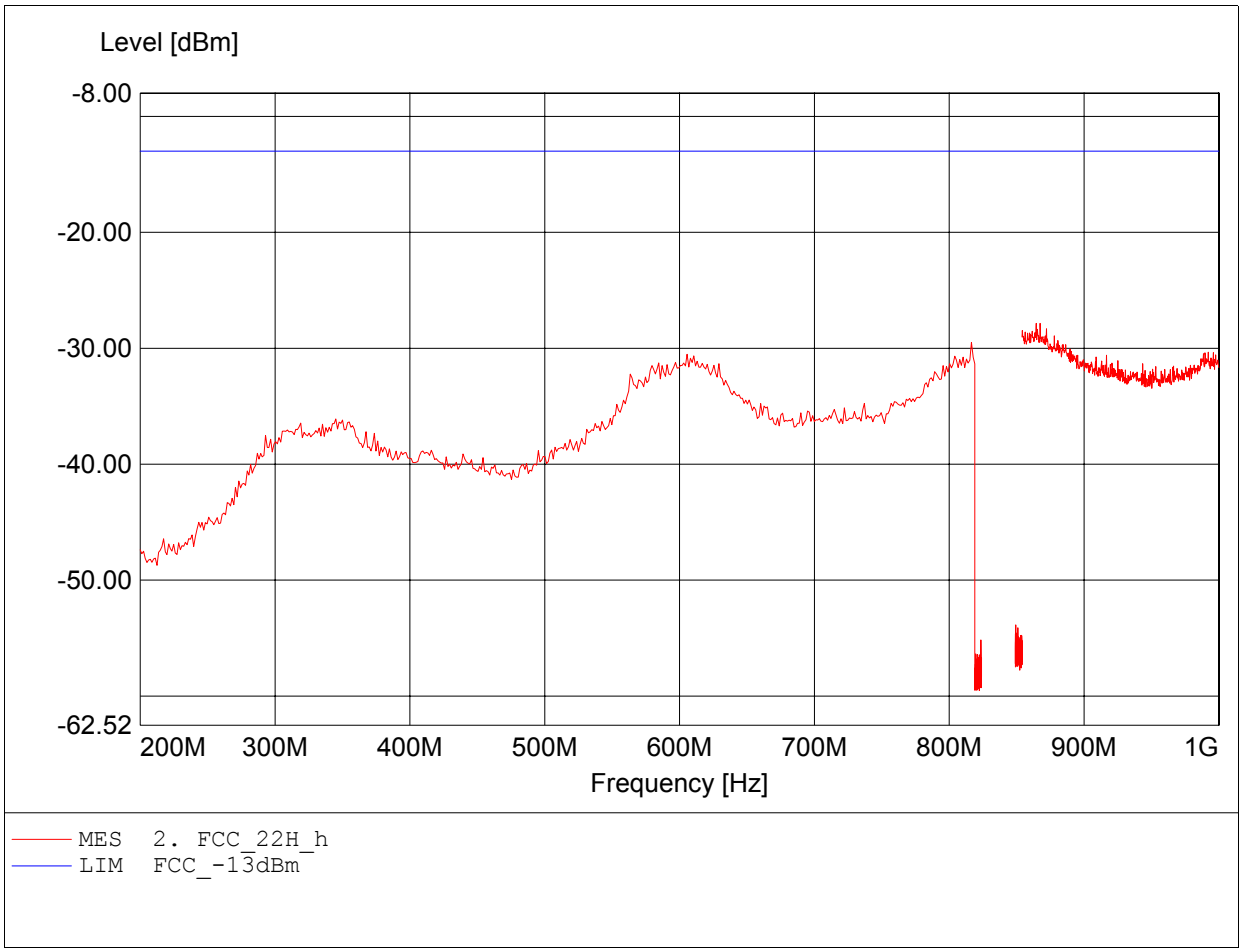
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL 223+notch
Comment 2:	Freq: 867.459MHz, Pmax: -27.85dBm, RBW: 1MHz



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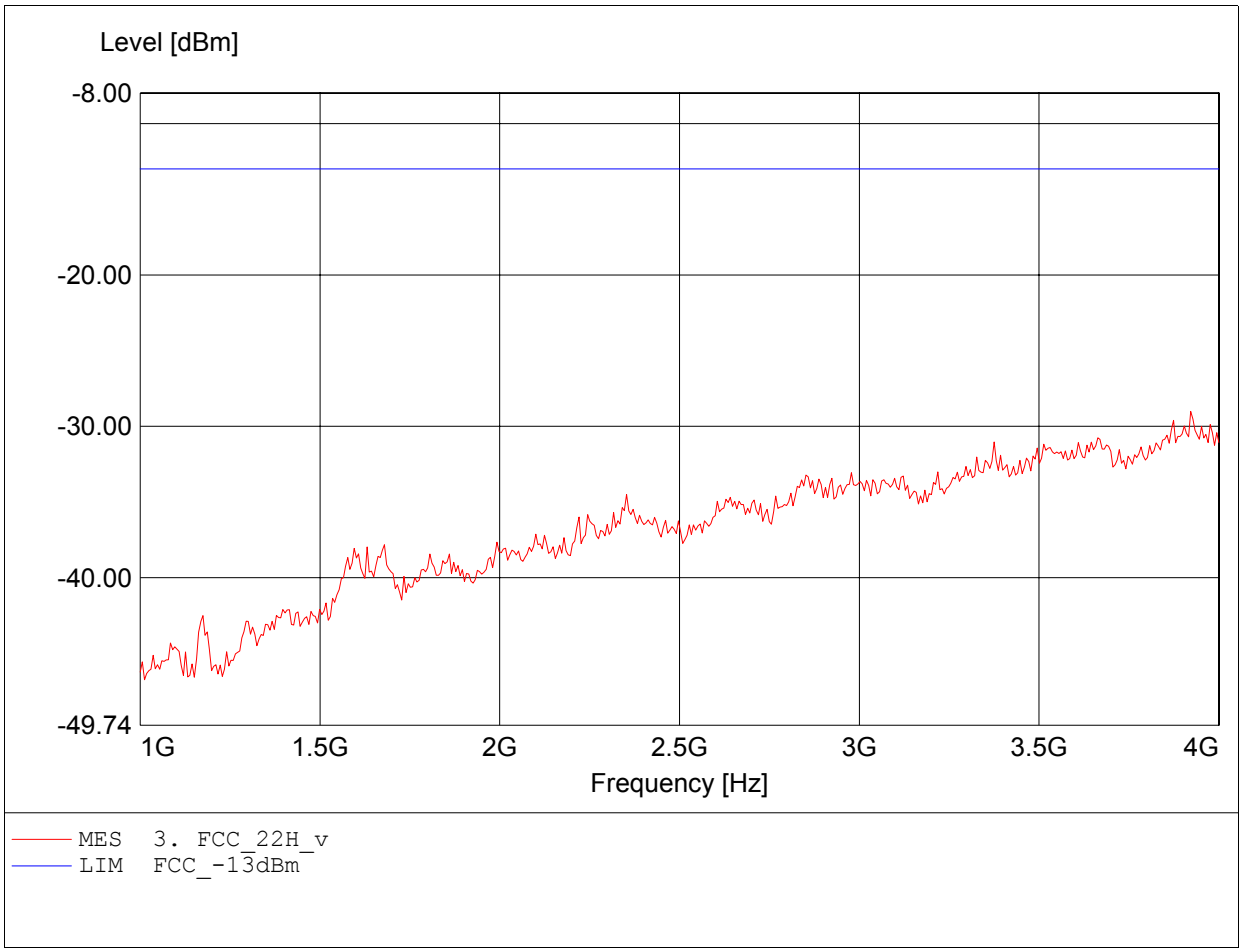
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

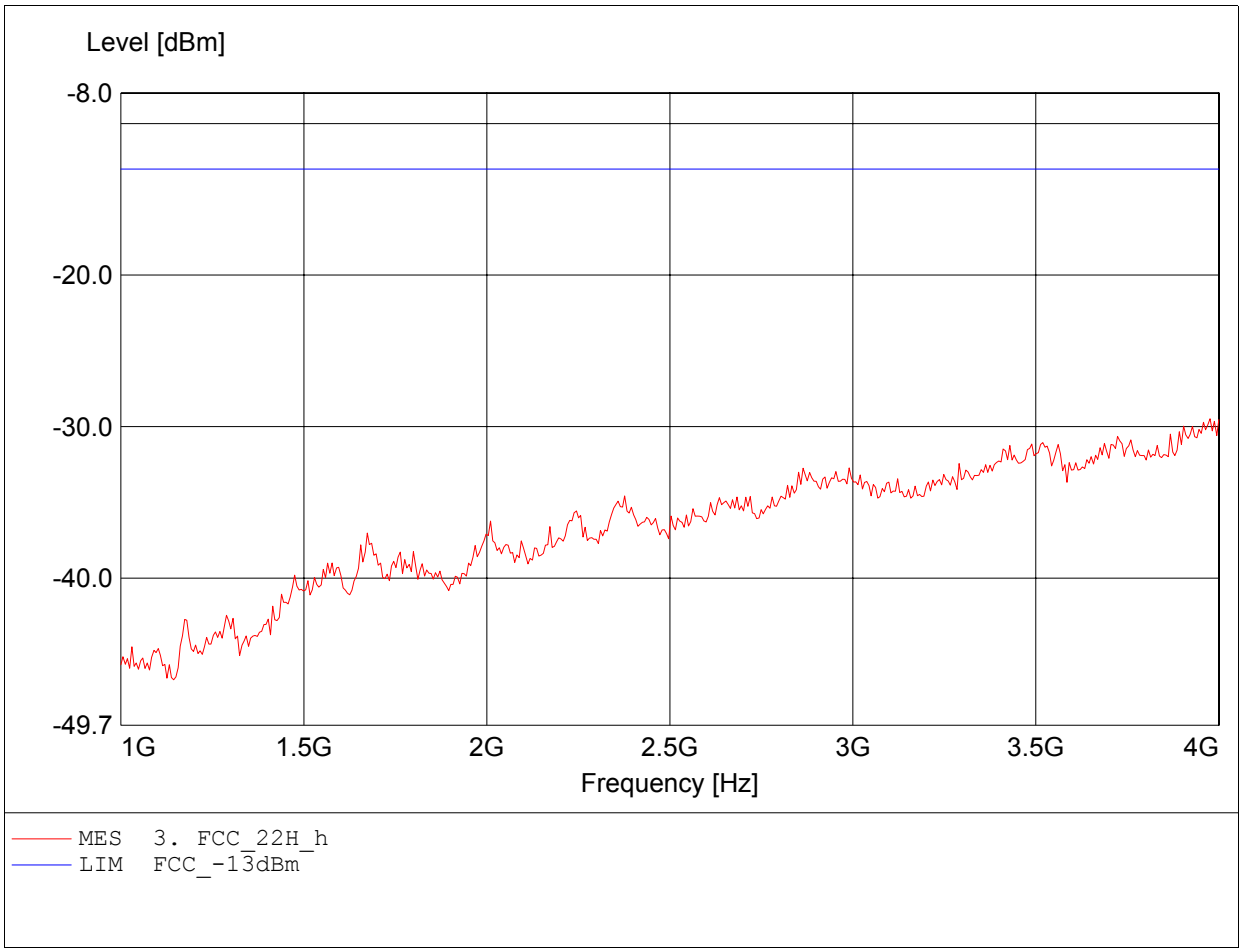
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025
Comment 2:	Freq: 3.922GHz, Pmax: -29.01dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

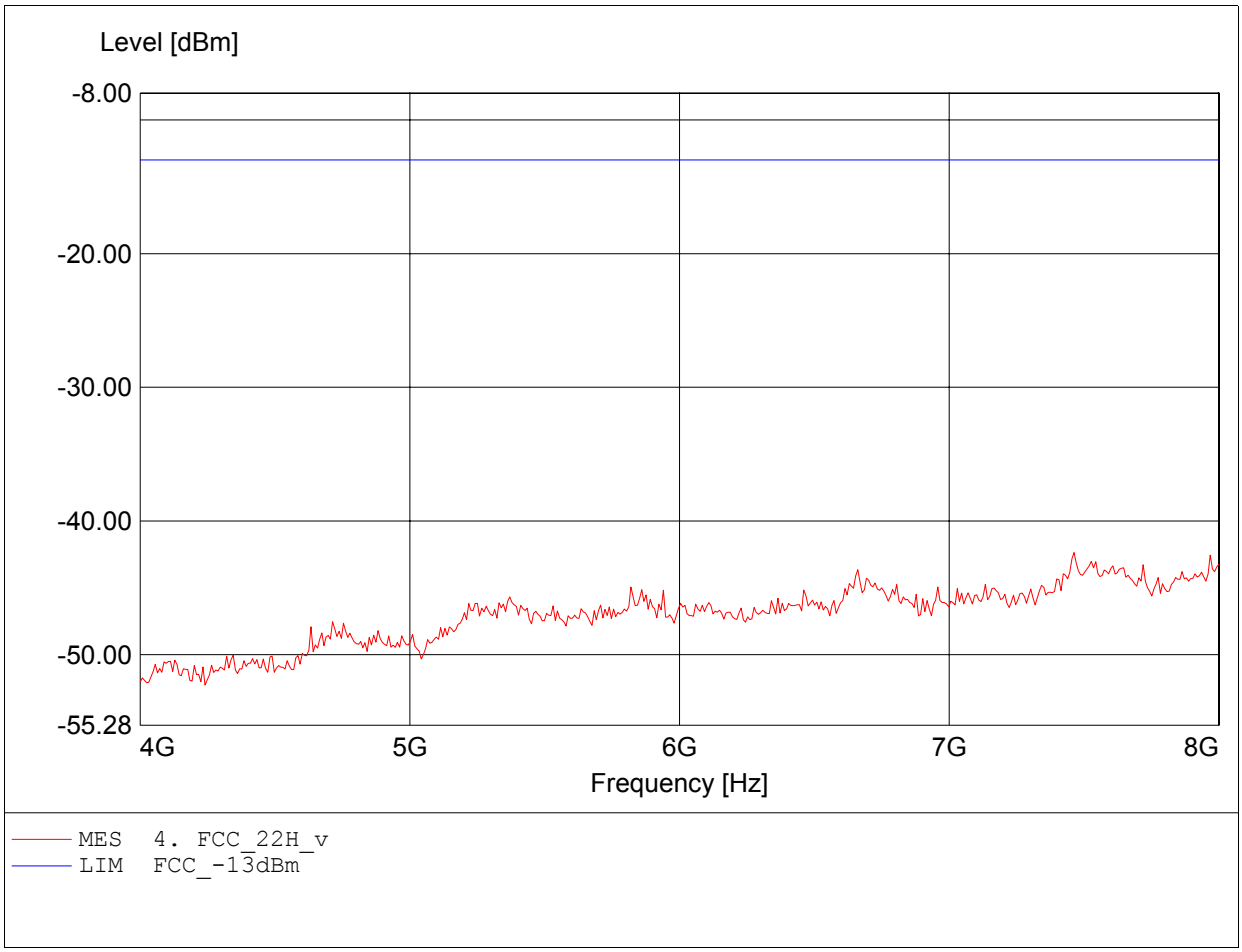
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025
Comment 2:	Freq: 3.976GHz, Pmax: -29.48dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

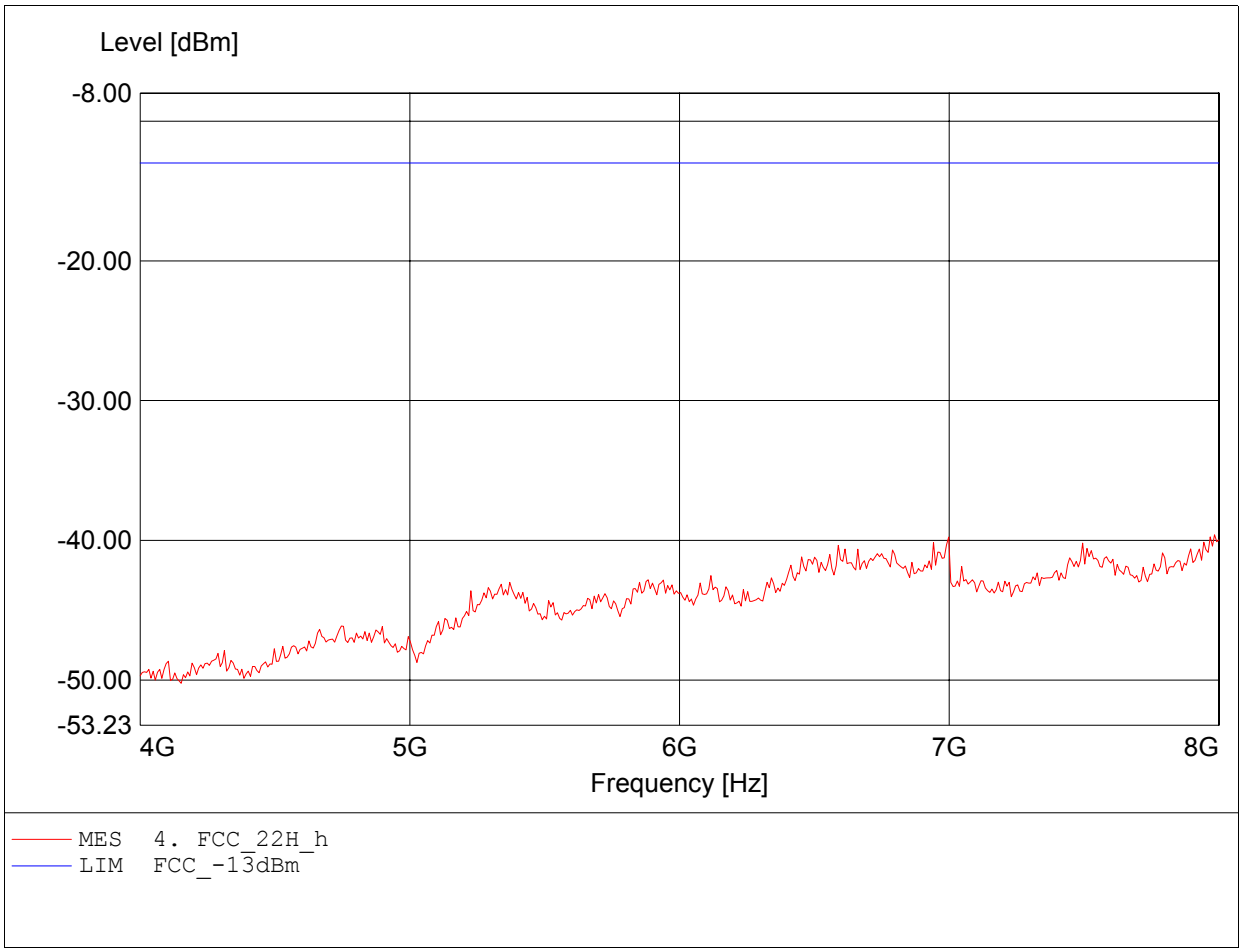
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 7.463GHz, Pmax: -42.36dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

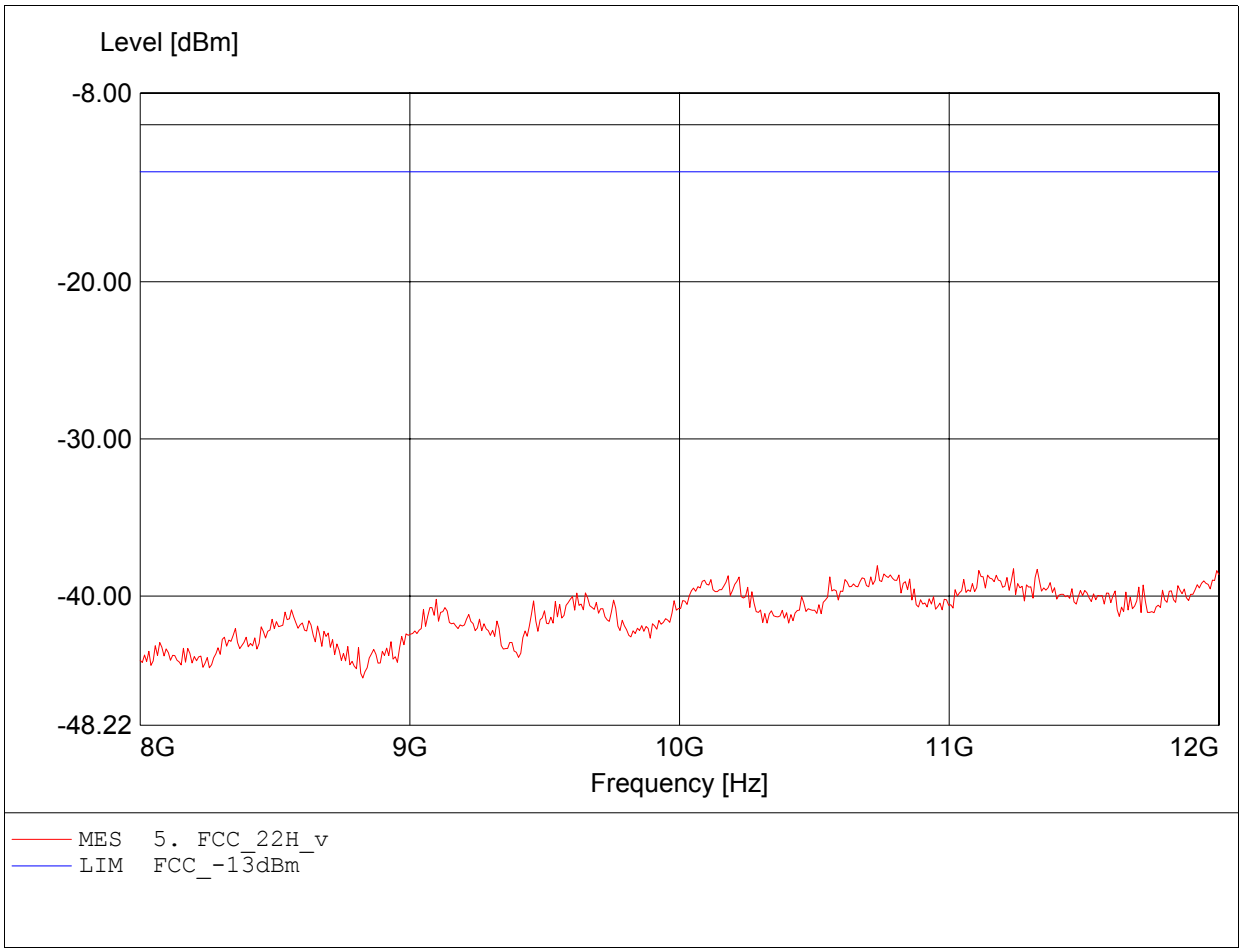
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 7.984GHz, Pmax: -39.60dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

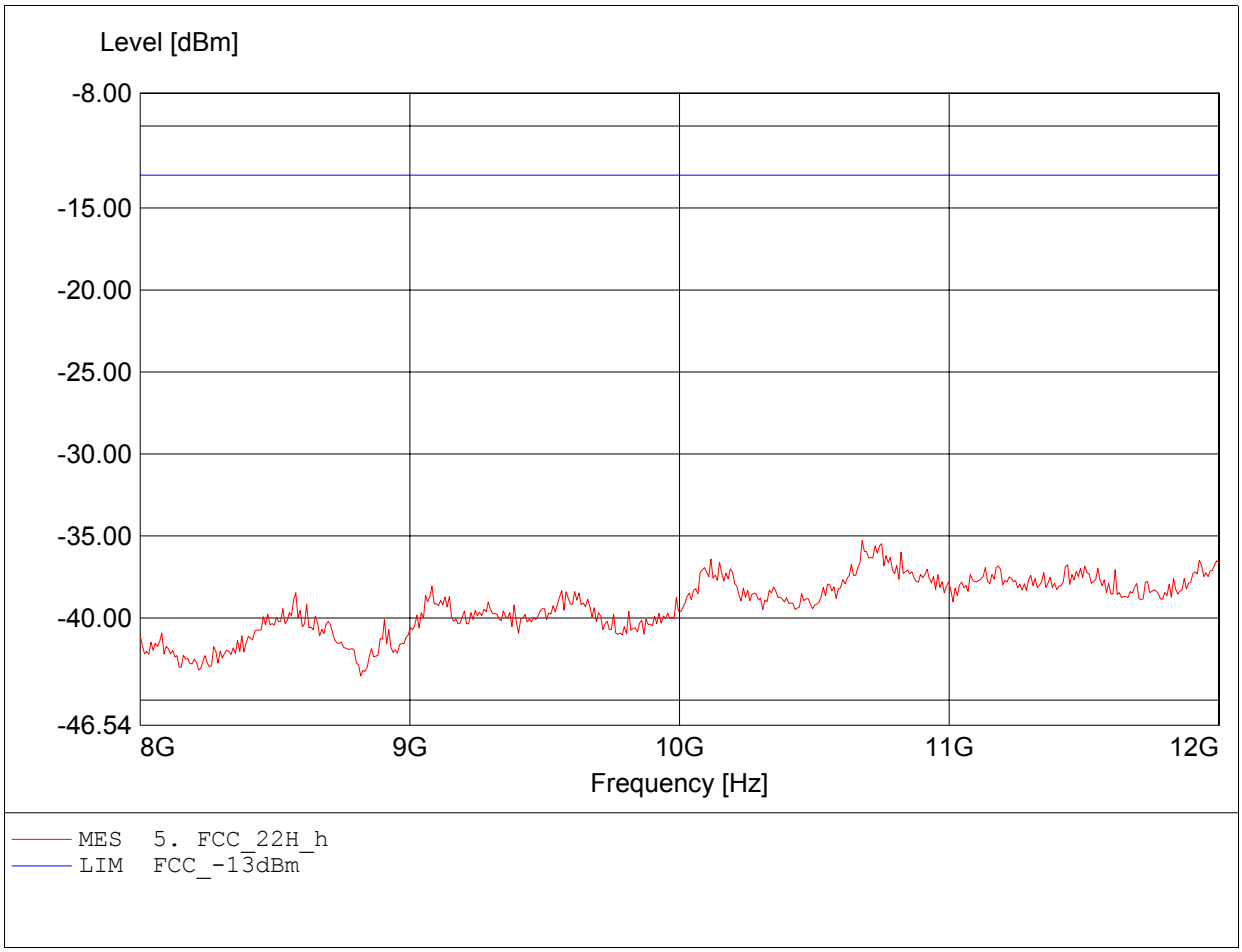
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 10.733GHz, Pmax: -38.07dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

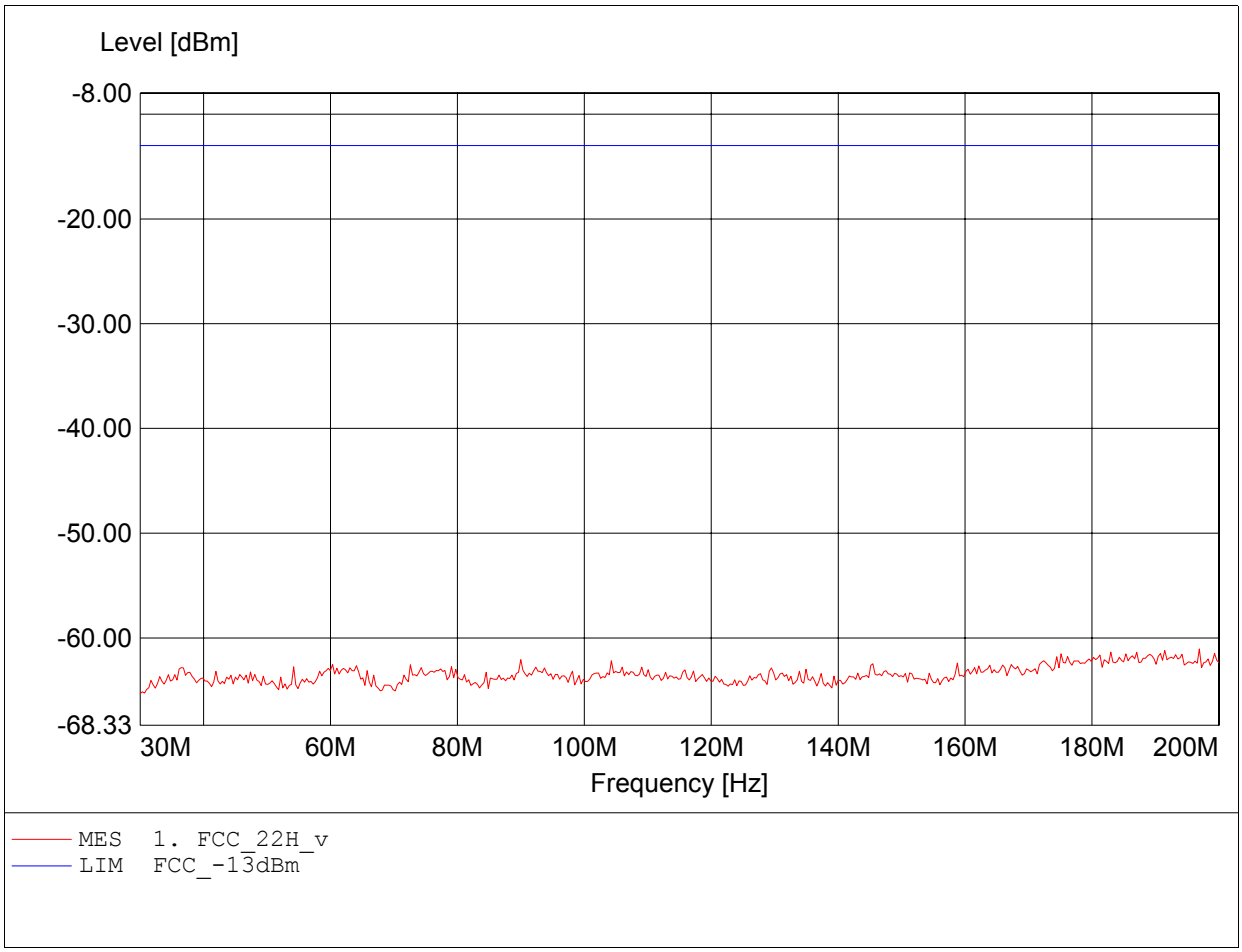
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 188
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 10.677GHz, Pmax: -35.27dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq: 196.934MHz, Pmax: -61.05dBm, RBW: 1MHz



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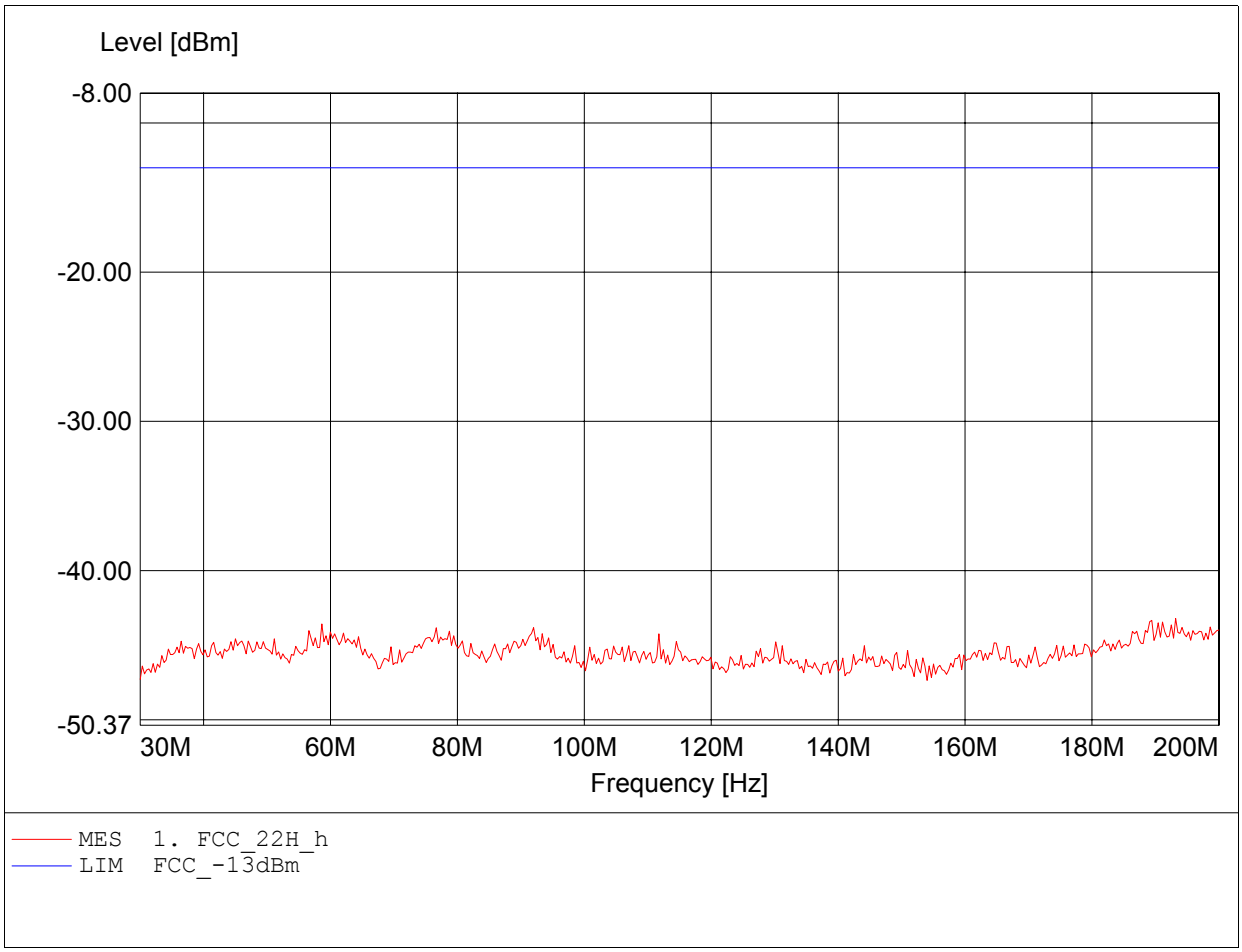
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

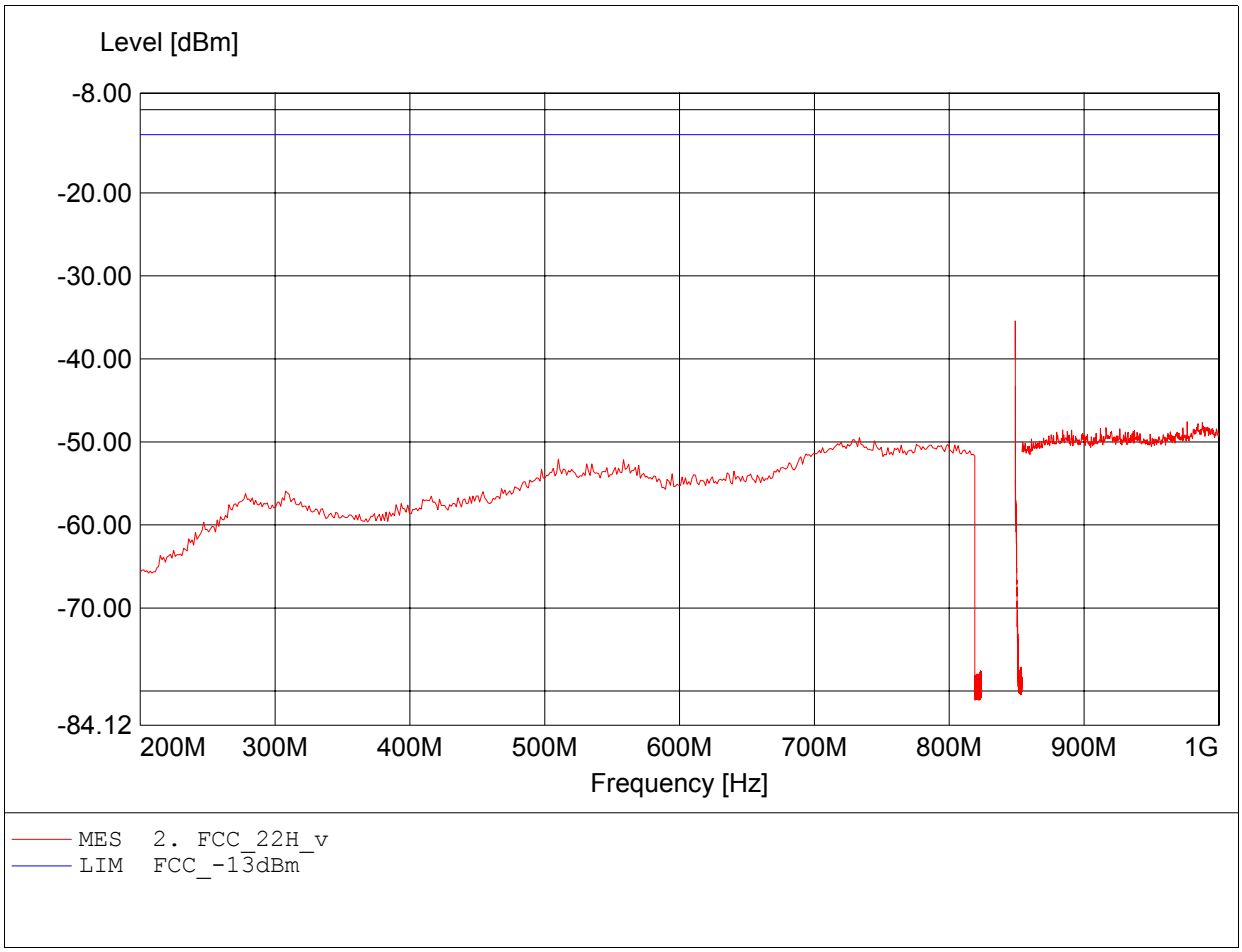
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq: 193.186MHz, Pmax: -43.22dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

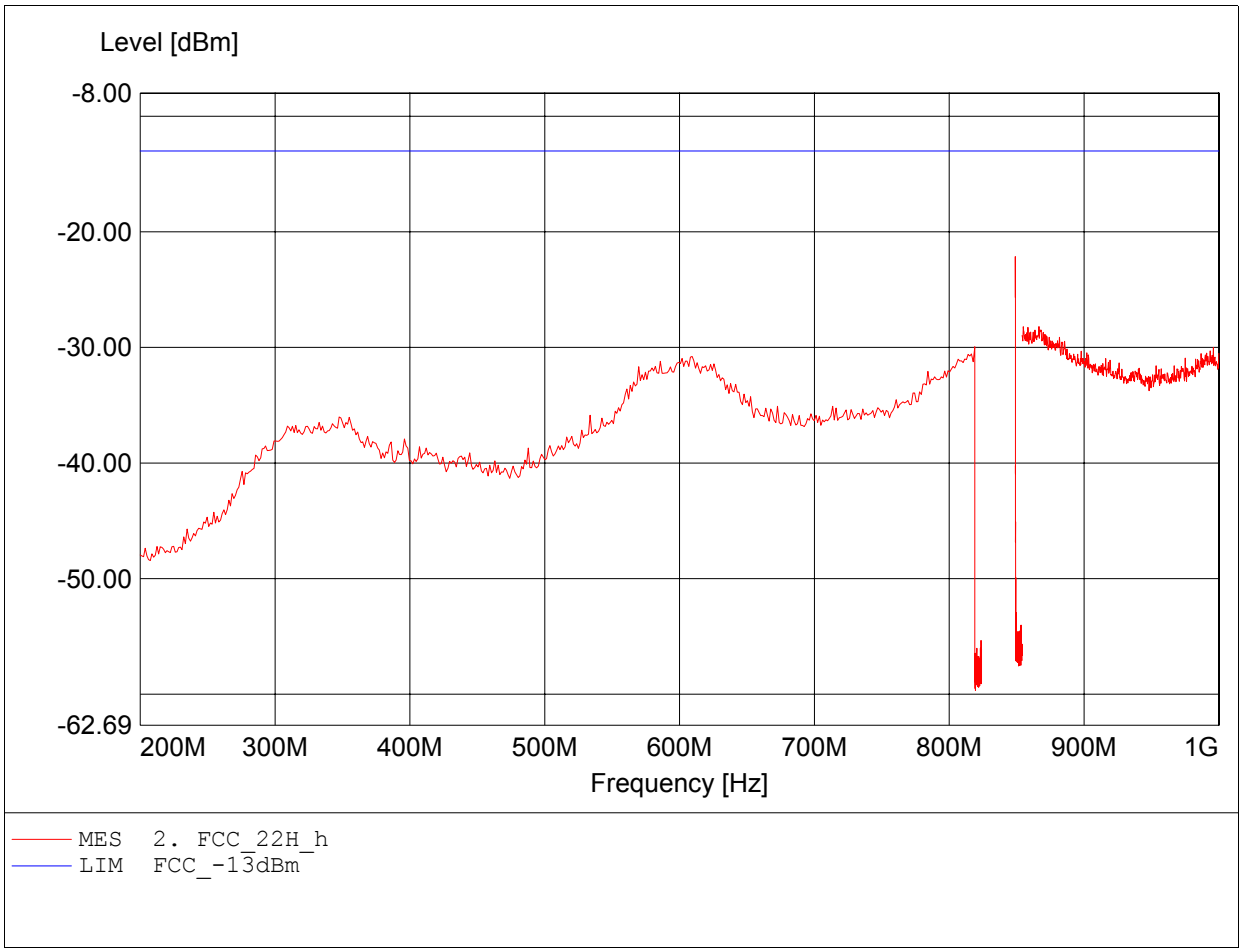
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL 223+notch
Comment 2:	Freq: 849.020MHz, Pmax: -35.44dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL 223+notch
Comment 2:	Freq: 849.010MHz, Pmax: -22.15dBm, RBW: 1MHz



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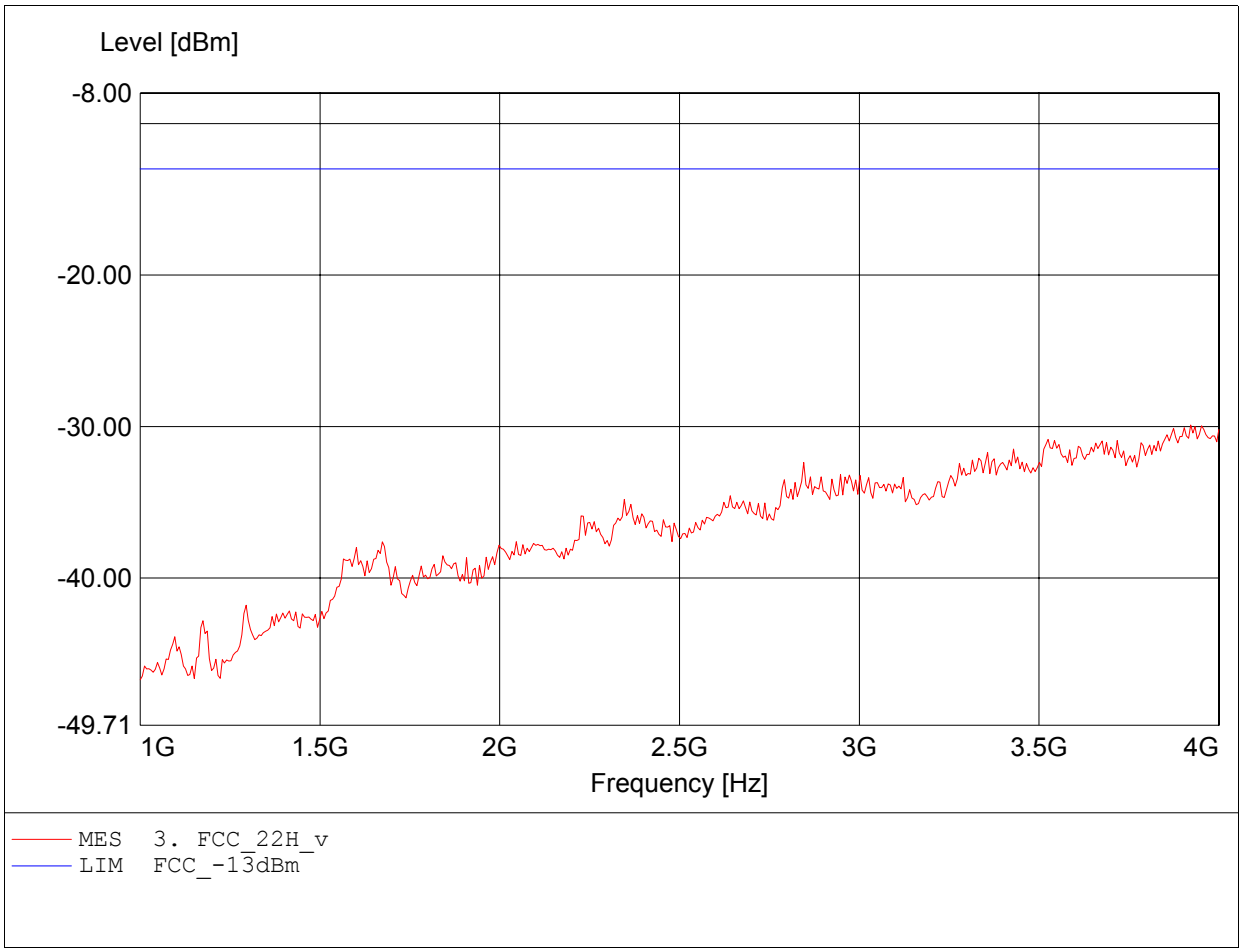
Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

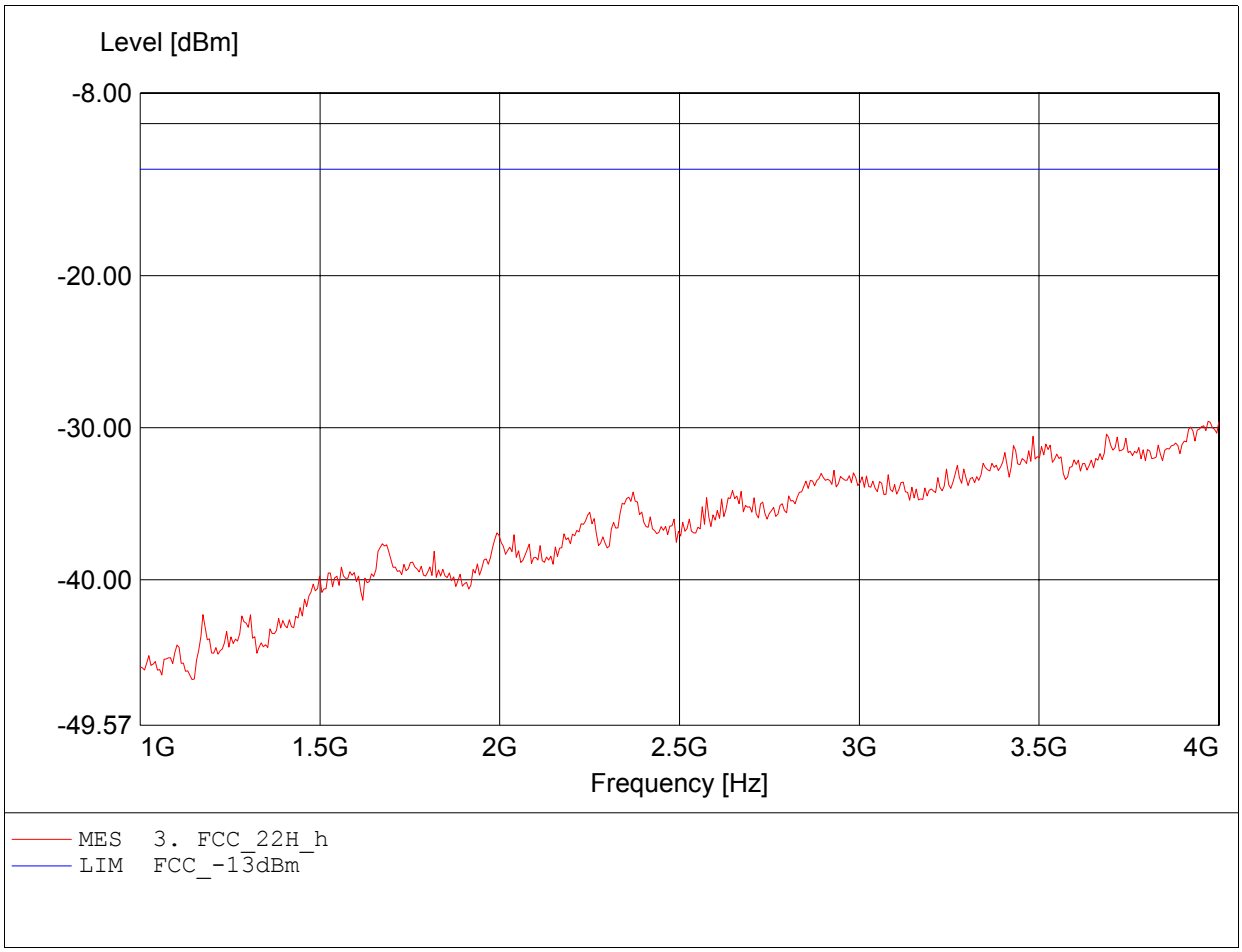
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025
Comment 2:	Freq: 3.922GHz, Pmax: -29.90dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

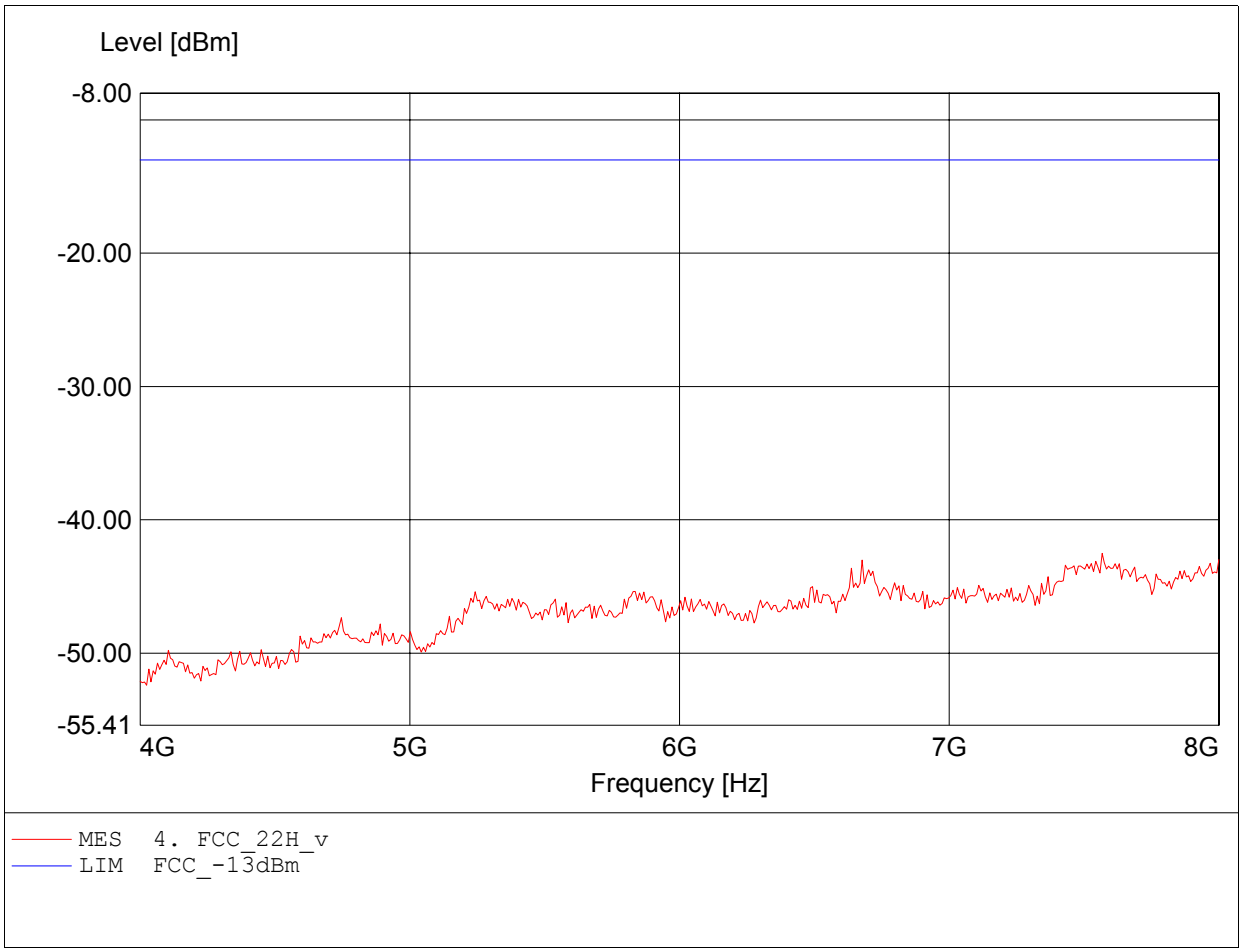
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025
Comment 2:	Freq: 3.970GHz, Pmax: -29.58dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

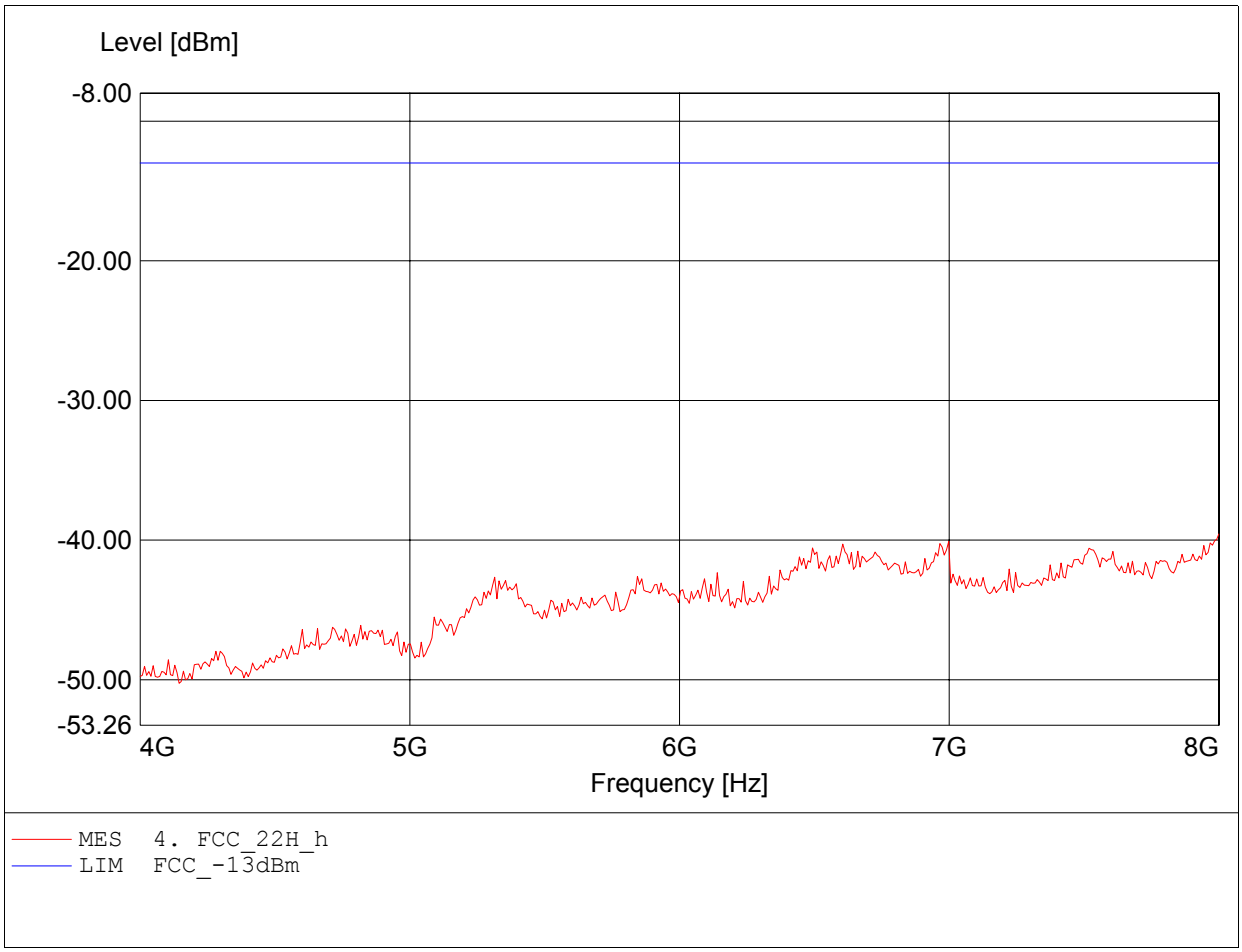
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 7.567GHz, Pmax: -42.52dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

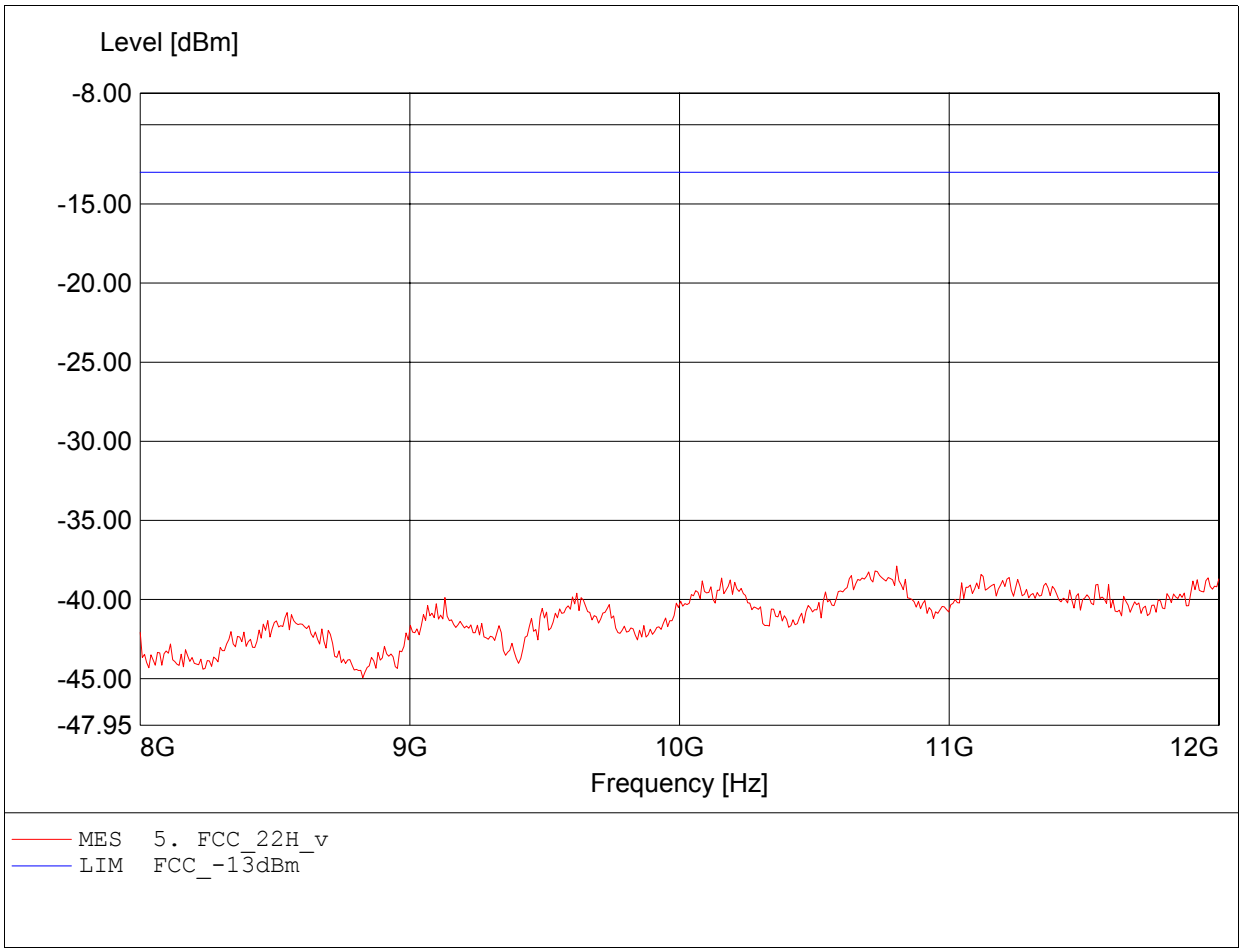
Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 8.000GHz, Pmax: -39.56dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 10.806GHz, Pmax: -37.88dBm, RBW: 1MHz

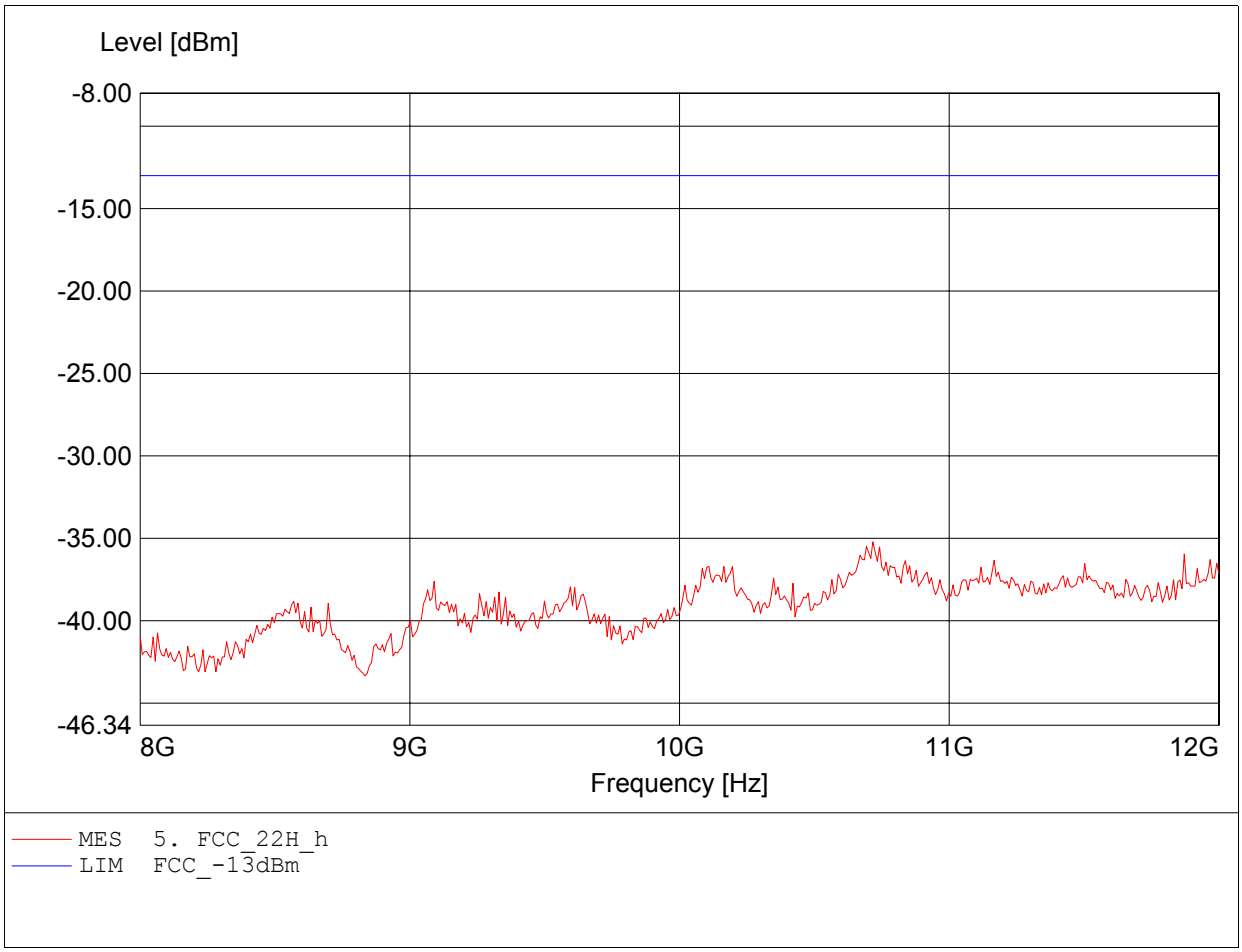


Page 1/1 10.05.06 13:06 / Antenna vertical

Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

Approval Holder:	Pantech Co. Ltd.
EUT:	Dual Band GSM 850/ PCS 1900 (with WAP & GPRS)
Model / Channel:	PG-1910 / 251
Test Site / Operator:	ETS / Mr. Heide
Temperature/ Voltage:	23°C / Unom.: 4.20 V DC
Test Specification:	according to §22.917
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2:	Freq: 10.717GHz, Pmax: -35.22dBm, RBW: 1MHz

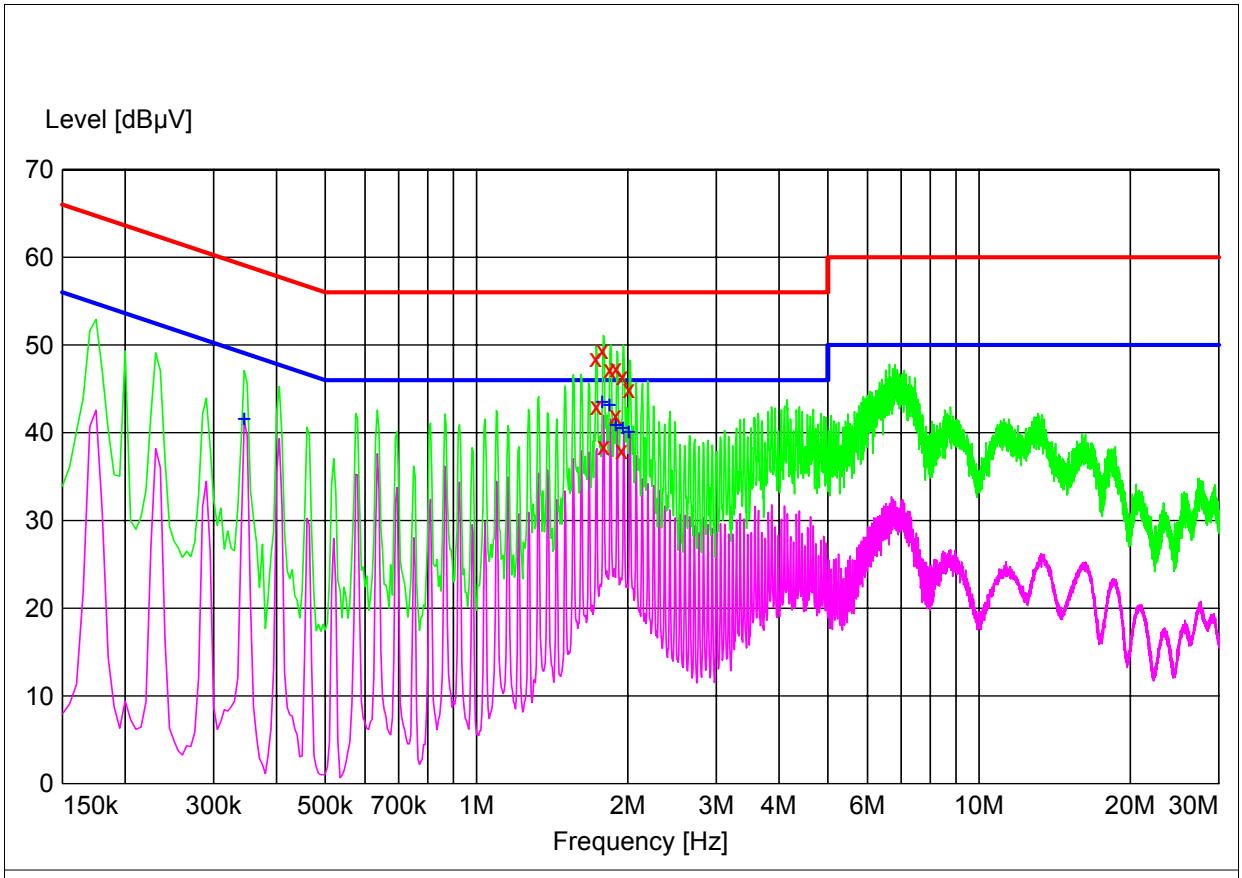


Appendix J

Line Conducted Emissions

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

EUT:	Triple Band GSM 850 /DCS 1800 /PCS 1900
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: PG-1910 AC/DC-Adapter: 5265C2-MC mode: GSM 850 PCL 5 + charging



x x :MES FCCp15_norm_fin QP
+ + :MES FCCp15_norm_fin AV
MES FCCp15_norm_pre PK
MES FCCp15_norm_pre AV

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

EUT: Triple Band GSM 850 /DCS 1800 /PCS 1900
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: PG-1910 AC/DC-Adapter: 5265C2-MC
mode: GSM 850 PCL 5 + charging

MEASUREMENT RESULT: "FCCp15_norm_fin AV"

31.05.2006 08:24

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.345000	41.50	10.0	49	7.6	---	---
1.780000	43.50	10.2	46	2.5	---	---
1.840000	43.20	10.2	46	2.8	---	---
1.895000	40.90	10.2	46	5.1	---	---
1.955000	40.50	10.2	46	5.5	---	---
2.010000	40.00	10.2	46	6.0	---	---

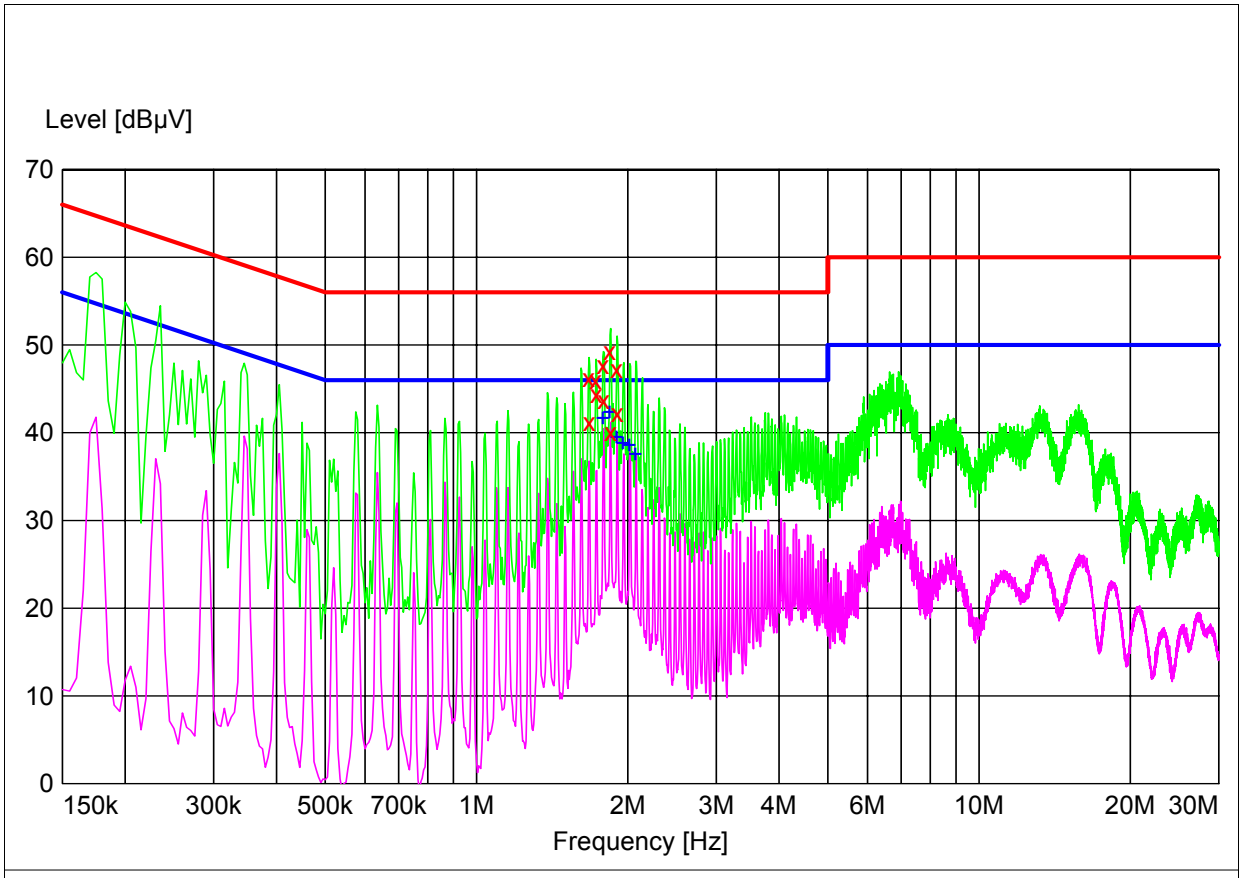
MEASUREMENT RESULT: "FCCp15_norm_fin QP"

31.05.2006 08:24

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
1.725000	48.50	10.2	56	7.5	---	---
1.730000	43.00	10.2	56	13.0	---	---
1.780000	49.40	10.2	56	6.6	---	---
1.790000	38.50	10.2	56	17.5	---	---
1.840000	47.20	10.2	56	8.8	---	---
1.890000	42.00	10.2	56	14.0	---	---
1.895000	47.40	10.2	56	8.6	---	---
1.945000	38.00	10.2	56	18.0	---	---
1.950000	46.50	10.2	56	9.5	---	---
2.010000	45.00	10.2	56	11.0	---	---

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

EUT:	Triple Band GSM 850 /DCS 1800 /PCS 1900
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: PG-1910 AC/DC-Adapter: 5265C2-MC mode: GSM 850 PCL 5 + charging



x x : MES FCCp15_norm_fin QP
+ + : MES FCCp15_norm_fin AV
MES FCCp15_norm_pre PK
MES FCCp15_norm_pre AV

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

EUT: Triple Band GSM 850 /DCS 1800 /PCS 1900
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: PG-1910 AC/DC-Adapter: 5265C2-MC
mode: GSM 850 PCL 5 + charging

MEASUREMENT RESULT: "FCCp15_norm_fin AV"

31.05.2006 09:25

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
1.785000	41.70	10.2	46	4.3	---	---
1.840000	42.30	10.2	46	3.7	---	---
1.900000	39.50	10.2	46	6.5	---	---
1.955000	38.80	10.2	46	7.2	---	---
2.015000	38.60	10.2	46	7.4	---	---
2.070000	37.60	10.2	46	8.4	---	---

MEASUREMENT RESULT: "FCCp15_norm_fin QP"

31.05.2006 09:25

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
1.670000	46.20	10.2	56	9.8	---	---
1.675000	41.20	10.2	56	14.8	---	---
1.725000	46.00	10.2	56	10.0	---	---
1.730000	44.40	10.2	56	11.6	---	---
1.785000	47.70	10.2	56	8.3	---	---
1.790000	43.70	10.2	56	12.3	---	---
1.840000	49.30	10.2	56	6.7	---	---
1.850000	40.00	10.2	56	16.0	---	---
1.900000	47.30	10.2	56	8.7	---	---
1.905000	42.20	10.2	56	13.8	---	---

Appendix K

Frequency Stability vs. Temperature

No diagrams
Refer to point 13.2

Appendix L

Frequency Stability vs. Voltage

No diagrams
Refer to point 14.2