

## Appendix B

RF Power Output



Ref Lvl  
37 dBm

Marker 1 [T1]

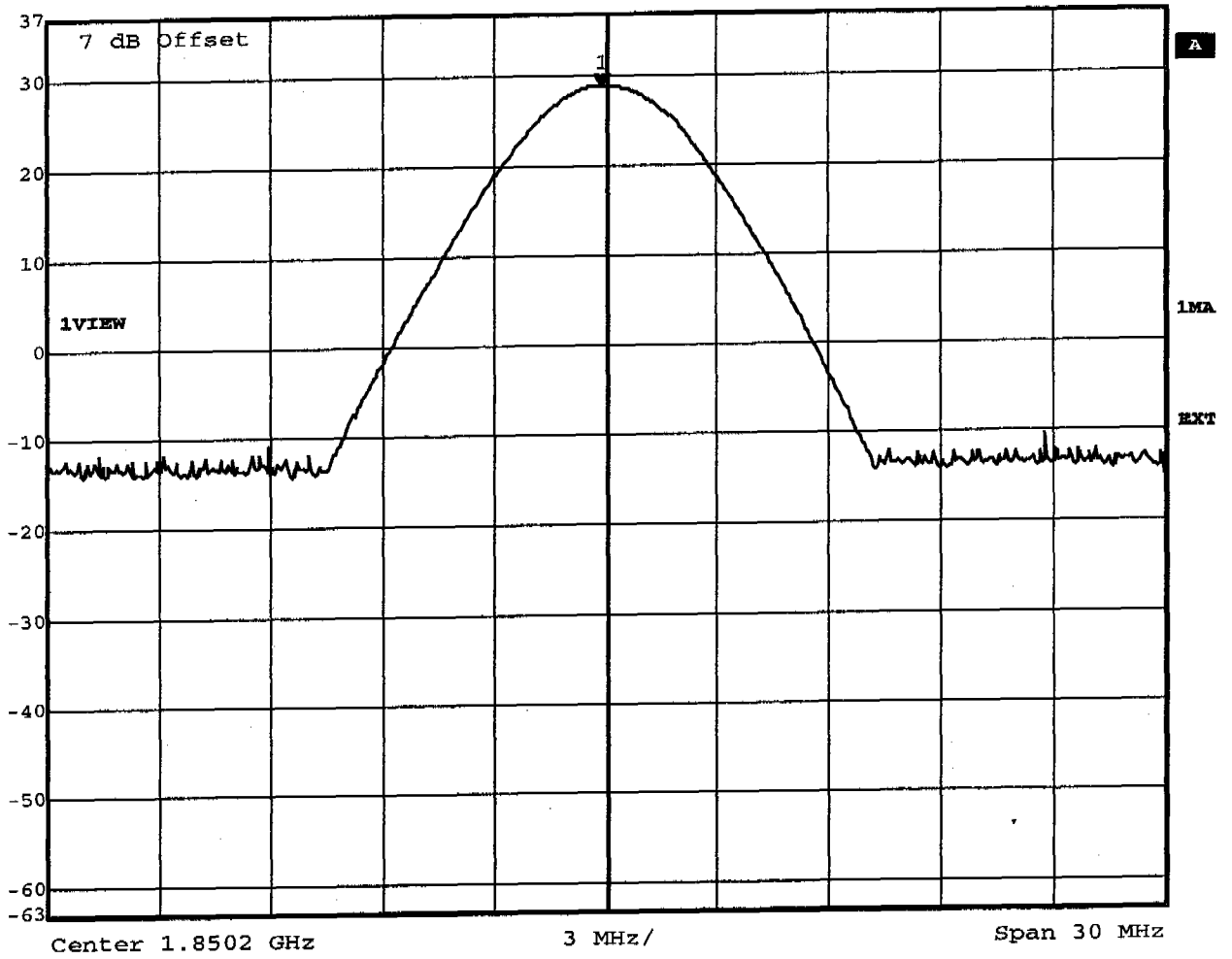
28.72 dBm  
1.85010982 GHz

RBW  
VBW  
SWT

3 MHz  
3 MHz  
5 ms

RF Att  
Unit

60 dB  
dBm



Title: Output Power Conducted Channel 512  
Date: 1.SEP.2003 13:55:26



Ref Lvl  
37 dBm

Marker 1 [T1]

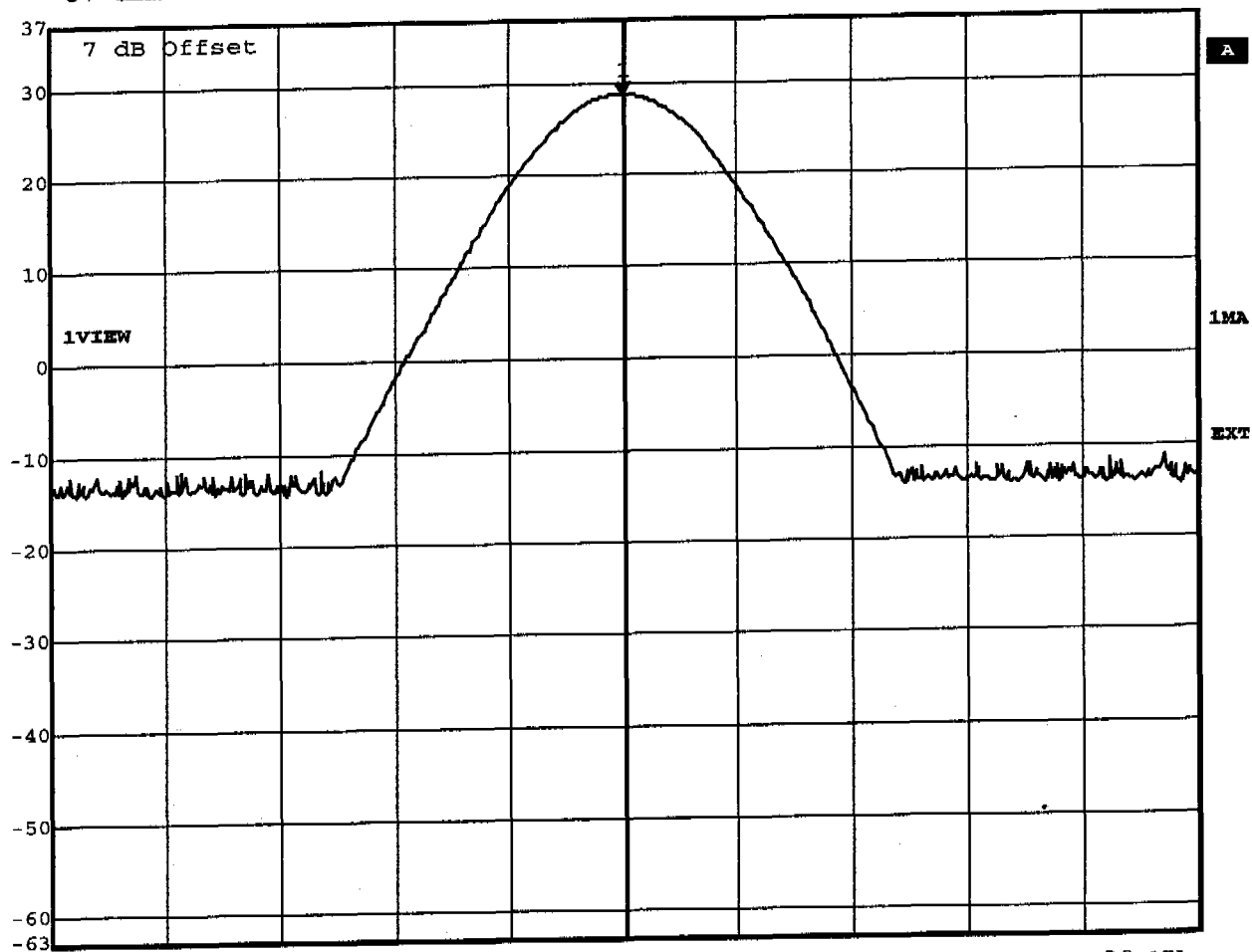
28.60 dBm  
1.88003006 GHz

RBW  
VBW  
SWT

3 MHz  
3 MHz  
5 ms

RF Att  
Unit

60 dB  
dBm



Center 1.88 GHz

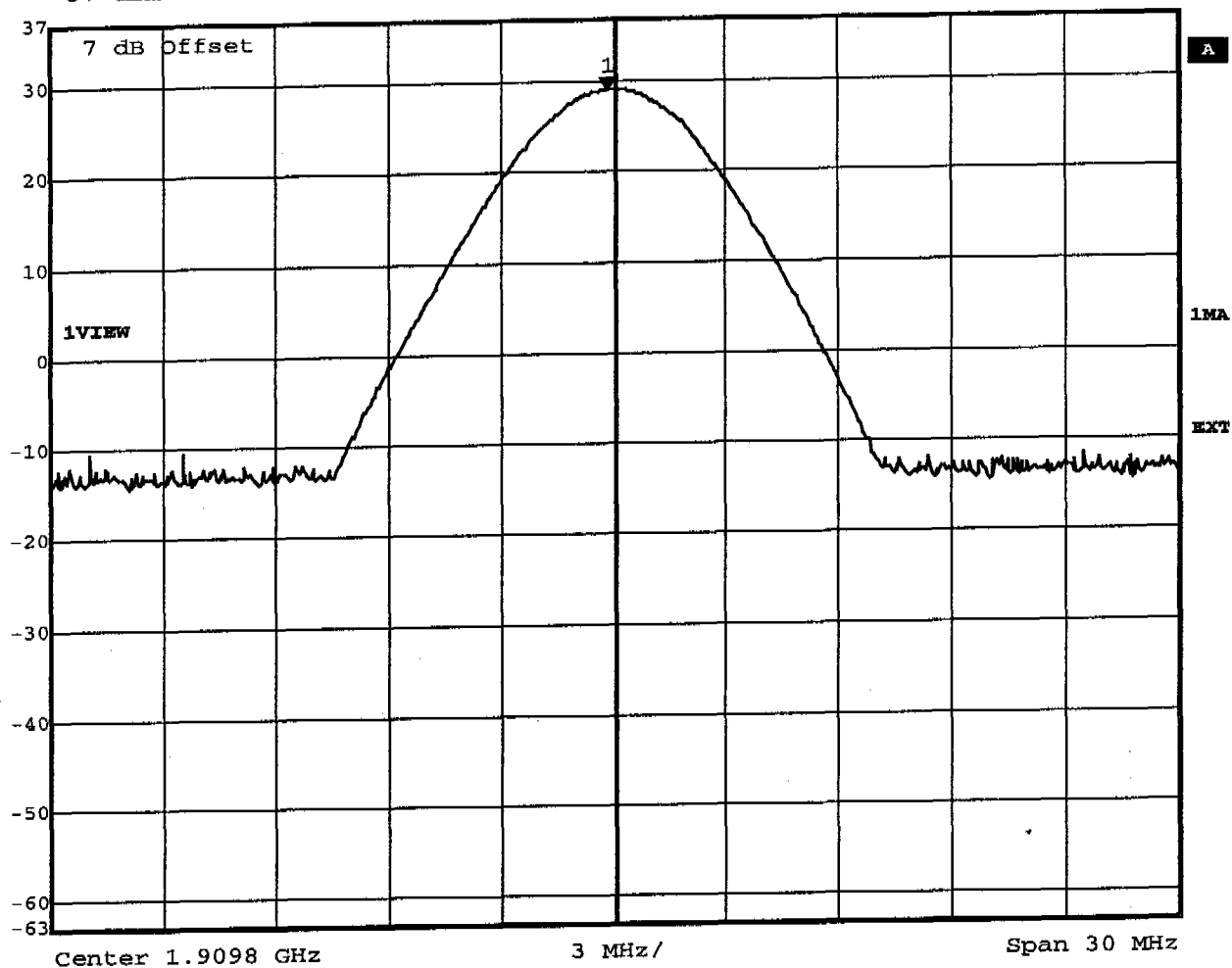
3 MHz/

Span 30 MHz

Title: Output Power Conducted Channel 661  
Date: 1.SEP.2003 13:56:51



|         |                |     |       |        |       |
|---------|----------------|-----|-------|--------|-------|
| Ref Lvl | Marker 1 [T1]  | RBW | 3 MHz | RF Att | 60 dB |
| 37 dBm  | 28.92 dBm      | VBW | 3 MHz |        |       |
|         | 1.90964970 GHz | SWT | 5 ms  | Unit   | dBm   |



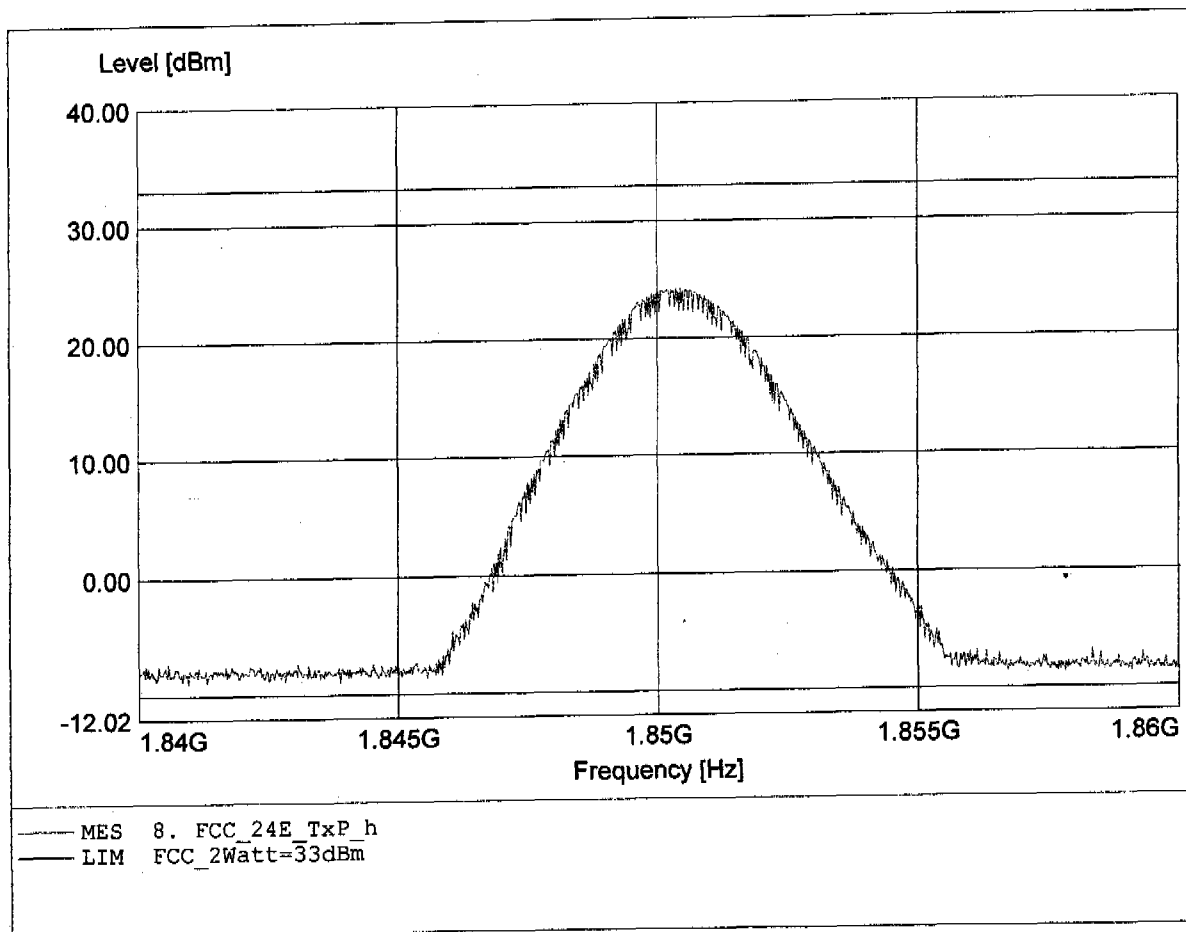
Title: Output Power Conducted Channel 810  
Date: 1.SEP.2003 14:21:00

## Appendix C

Radiated Power

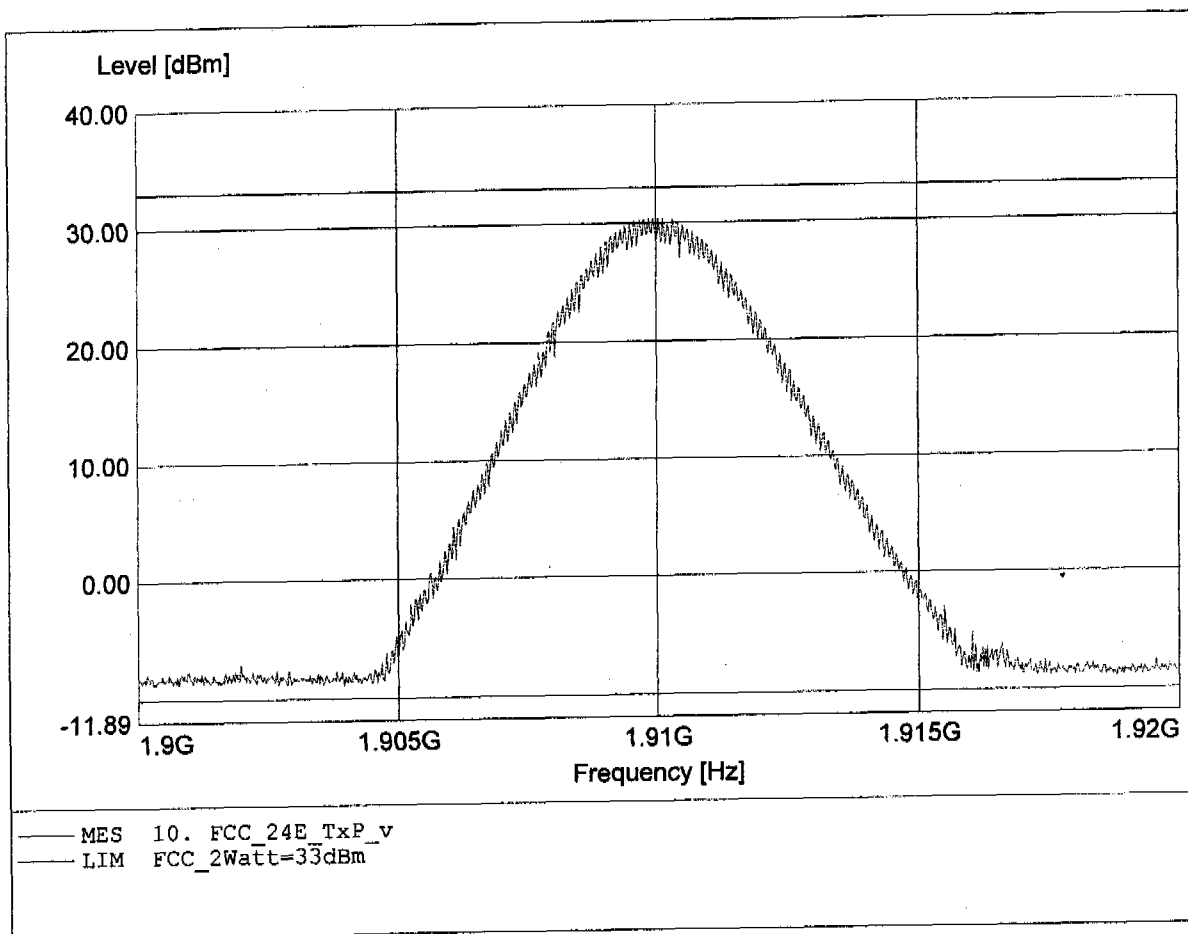
**Equivalent Isotropically Radiated Power**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.850GHz, Pmax: 24.24dBm, RBW: 3MHz



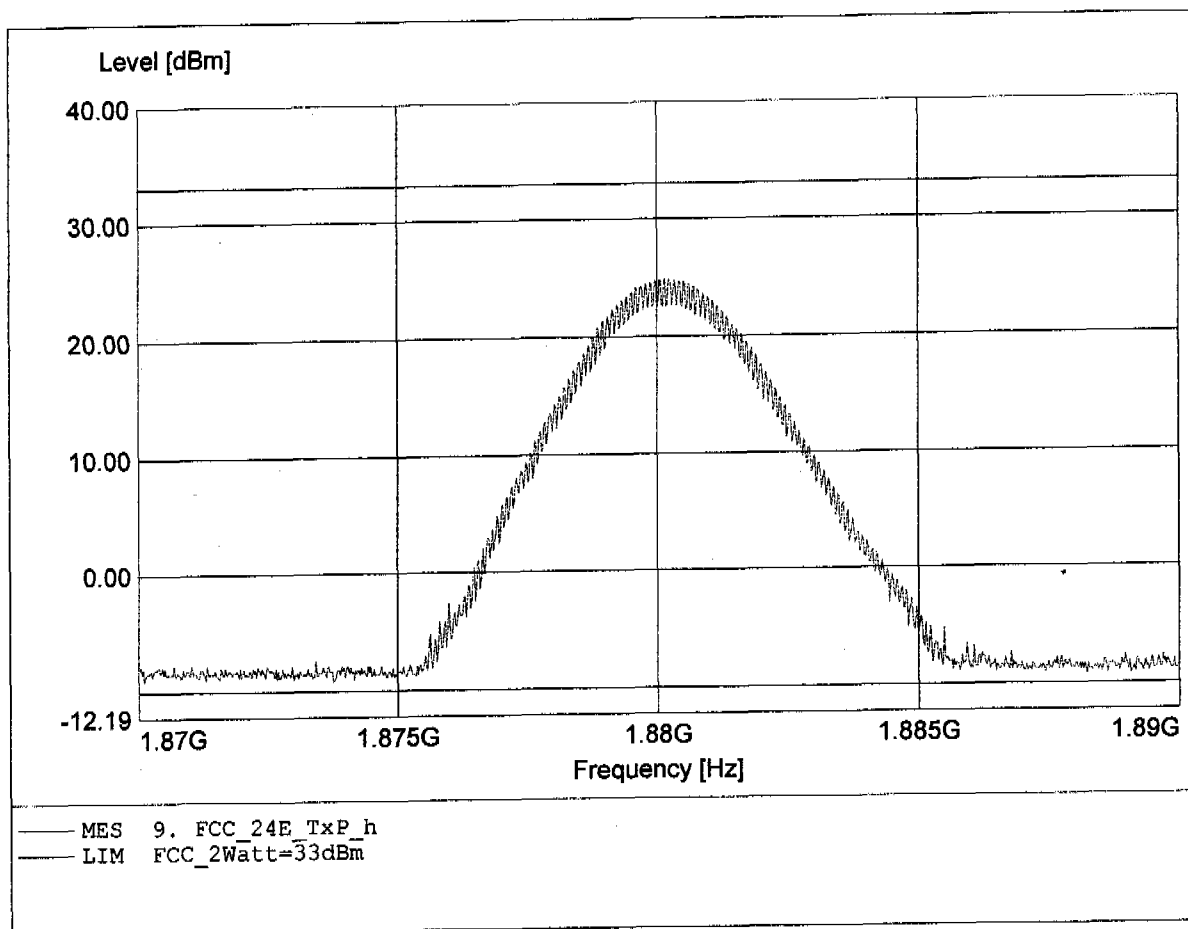
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.910GHz, Pmax: 30.45dBm, RBW: 3MHz



**Equivalent Isotropically Radiated Power**  
**FCC RULES PART 24 SUBPART E**

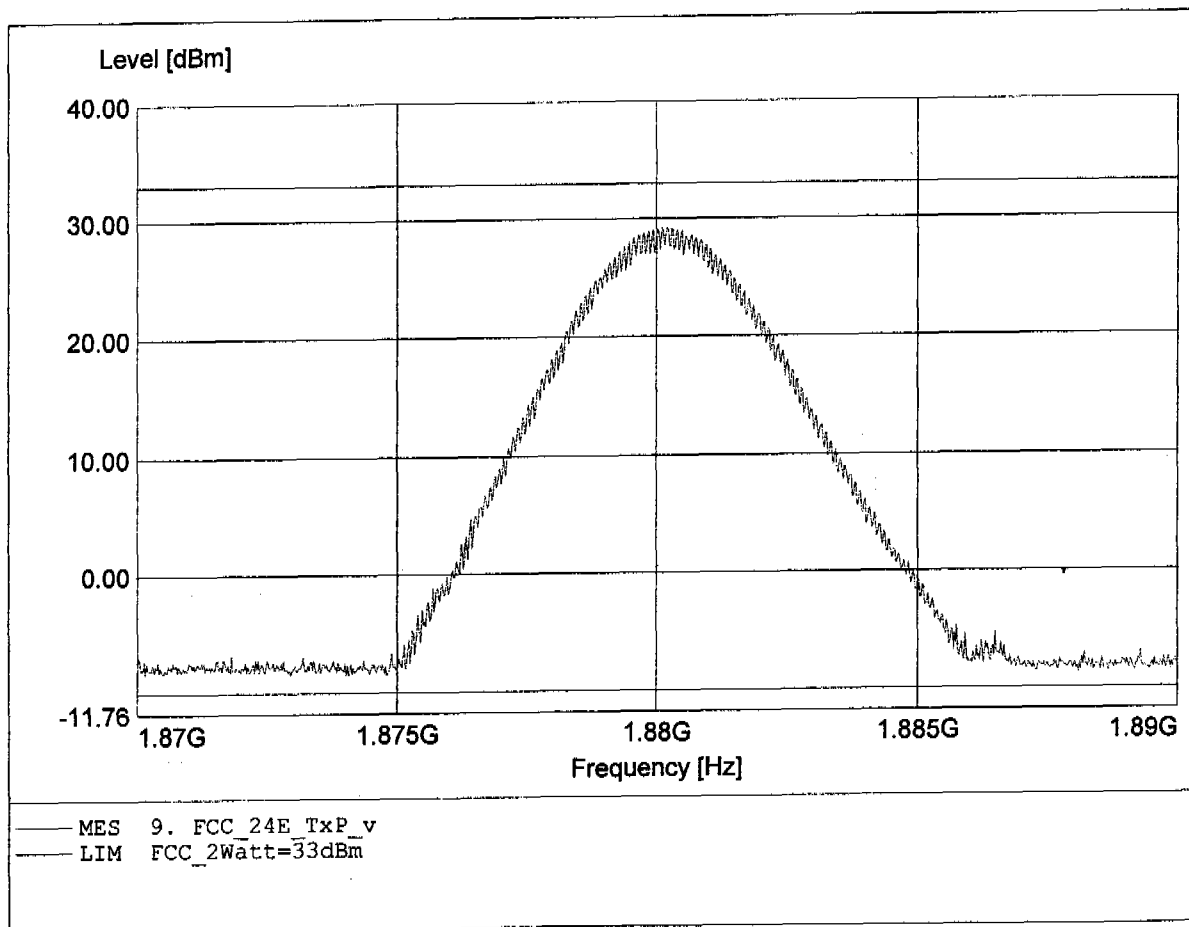
EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.880GHz, Pmax: 24.86dBm, RBW: 3MHz





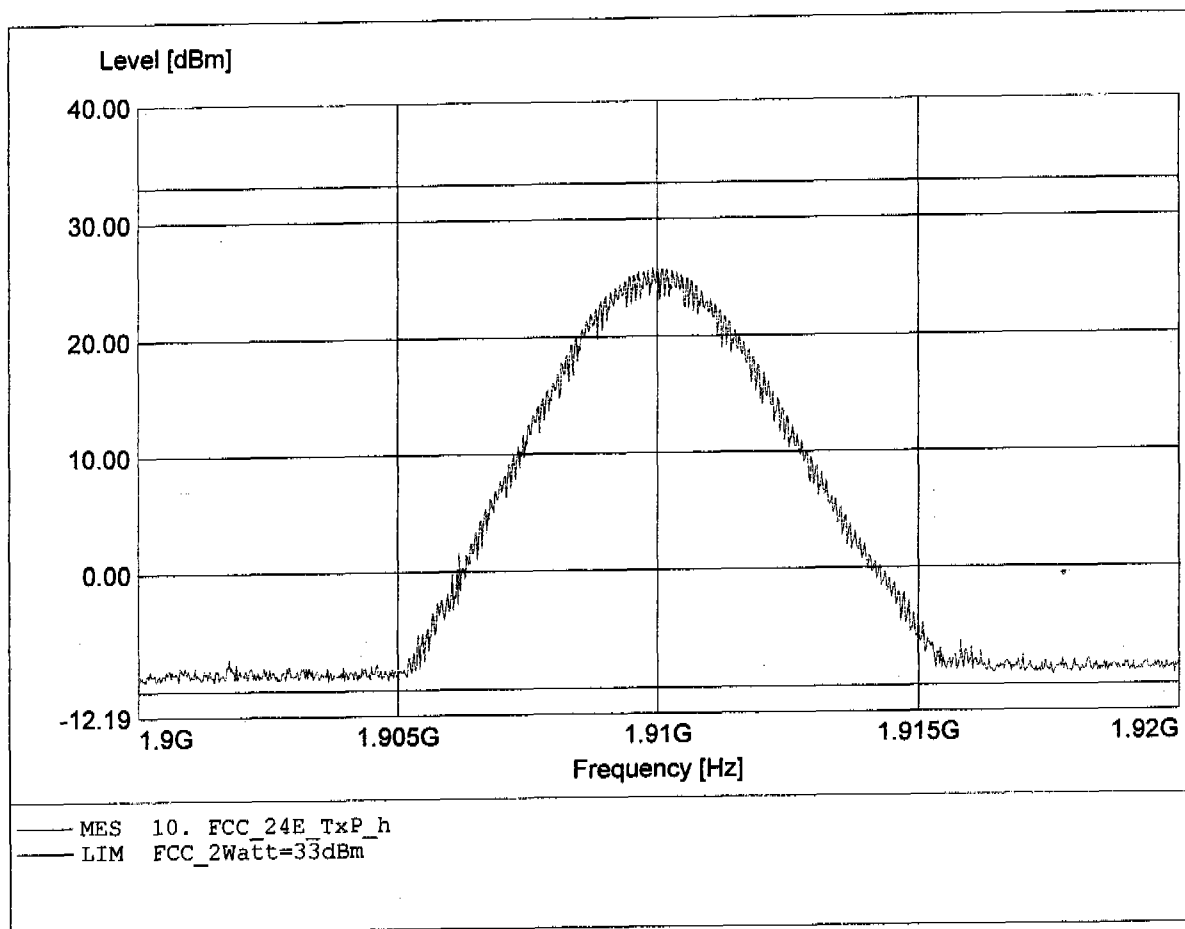
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0  
Comment 2: Freq: 1.880GHz, Pmax: 29.13dBm, RBW: 3MHz



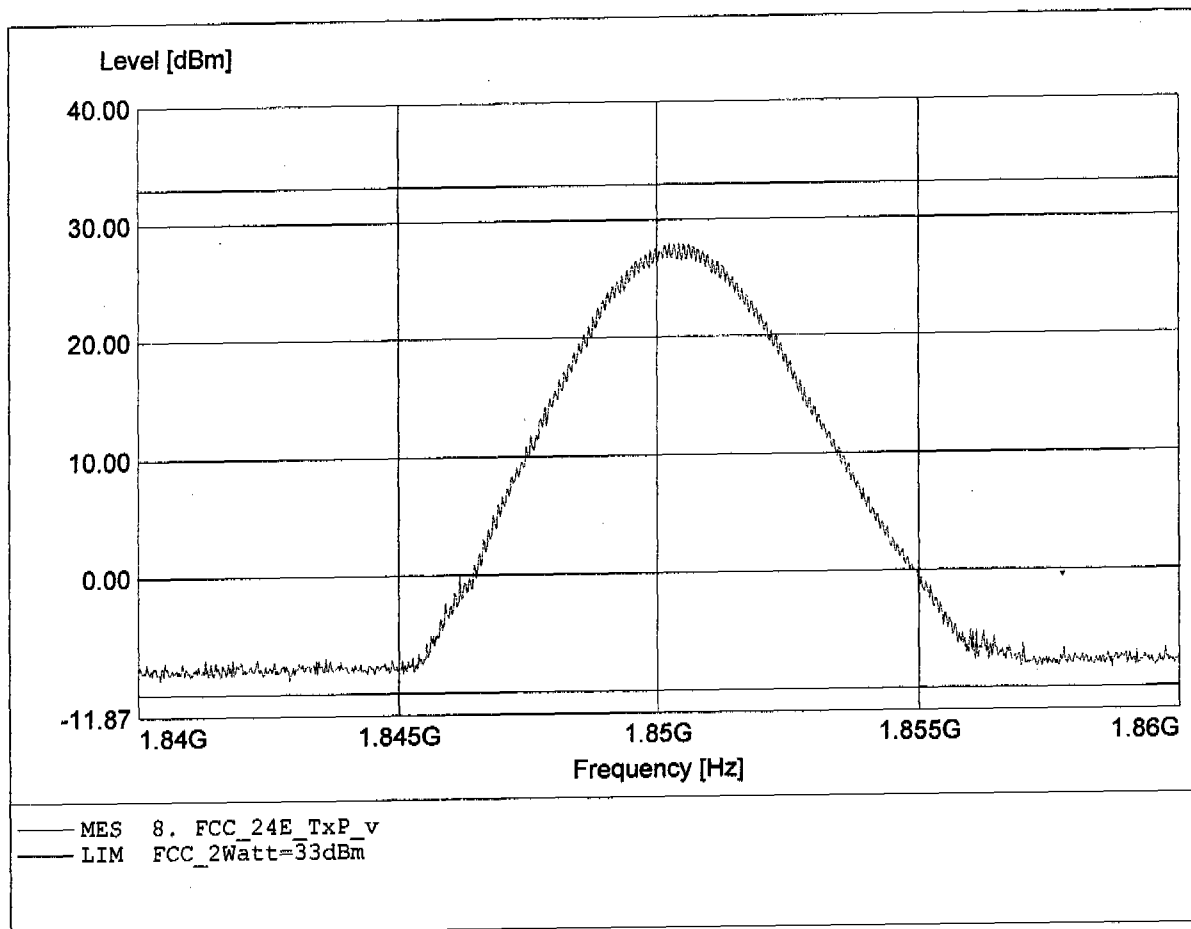
**Equivalent Isotropically Radiated Power**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0  
Comment 2: Freq: 1.910GHz, Pmax: 25.81dBm, RBW: 3MHz



**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.850GHz, Pmax: 27.96dBm, RBW: 3MHz

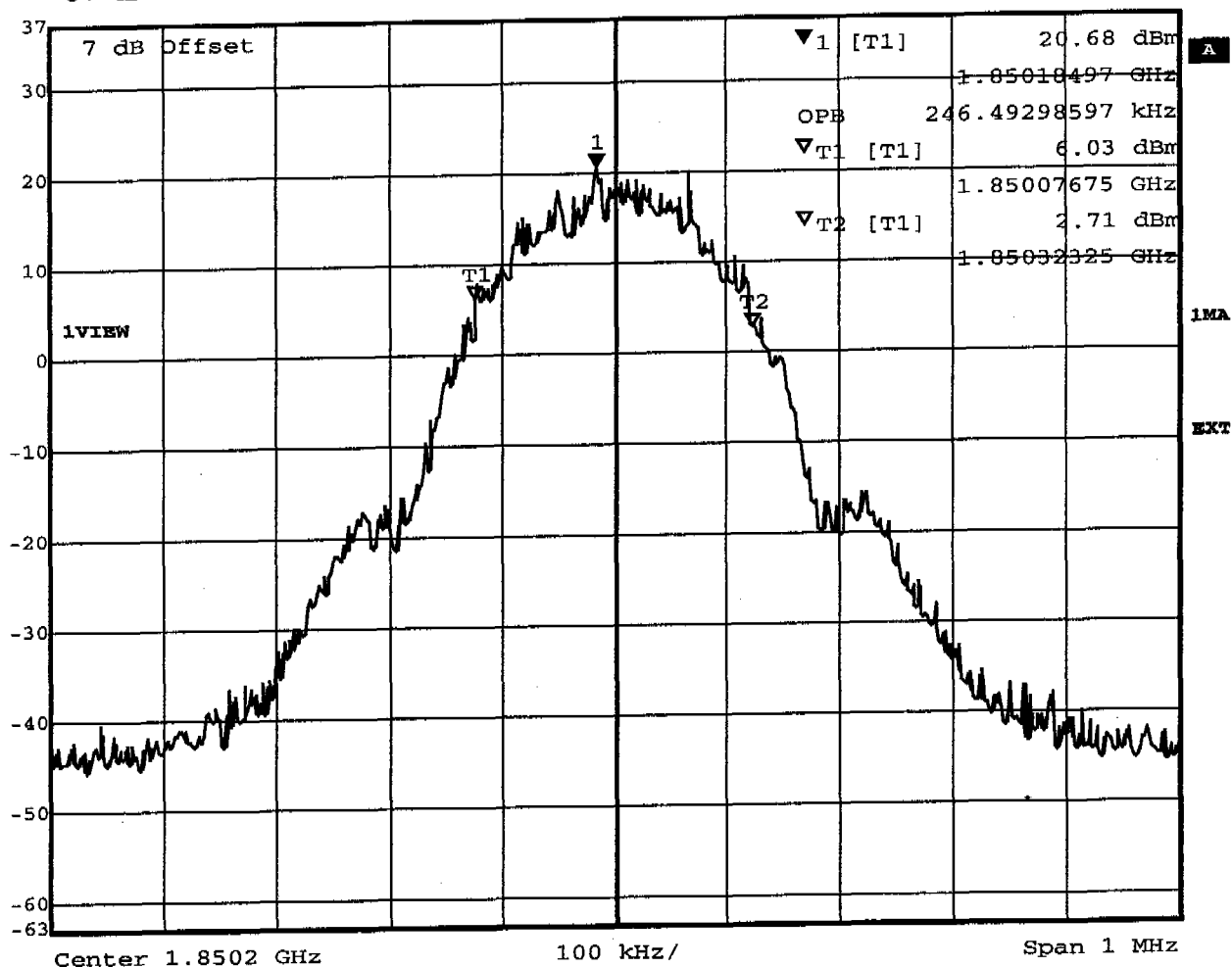


## Appendix D

Occupied Bandwidth



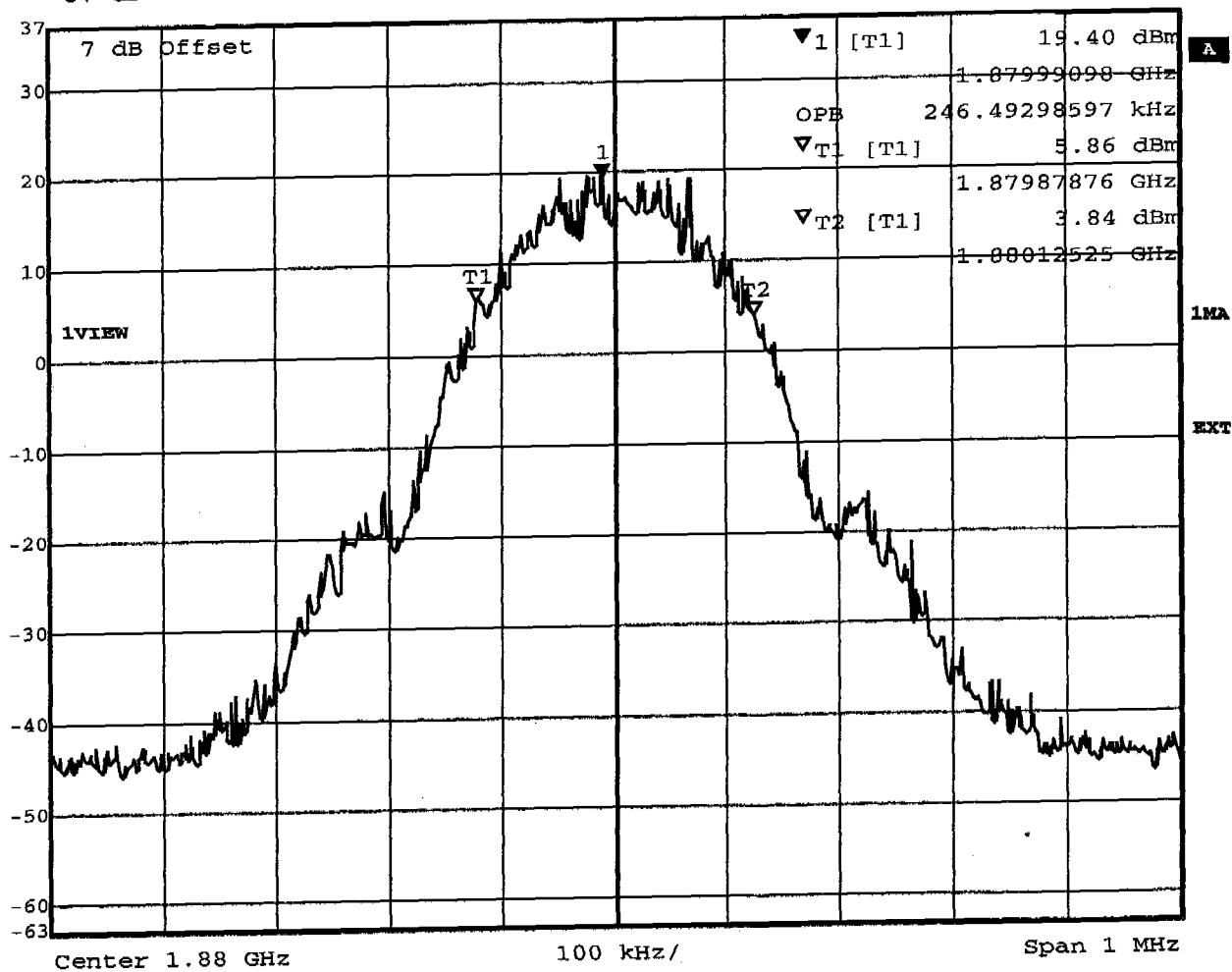
Marker 1 [T1] RBW 3 kHz RF Att 60 dB  
Ref Lvl 20.68 dBm VBW 3 kHz  
37 dBm 1.85018497 GHz SWT 280 ms Unit dBm



Title: Occpied Power Bandwidth Channel 512  
Date: 1.SEP.2003 13:54:11



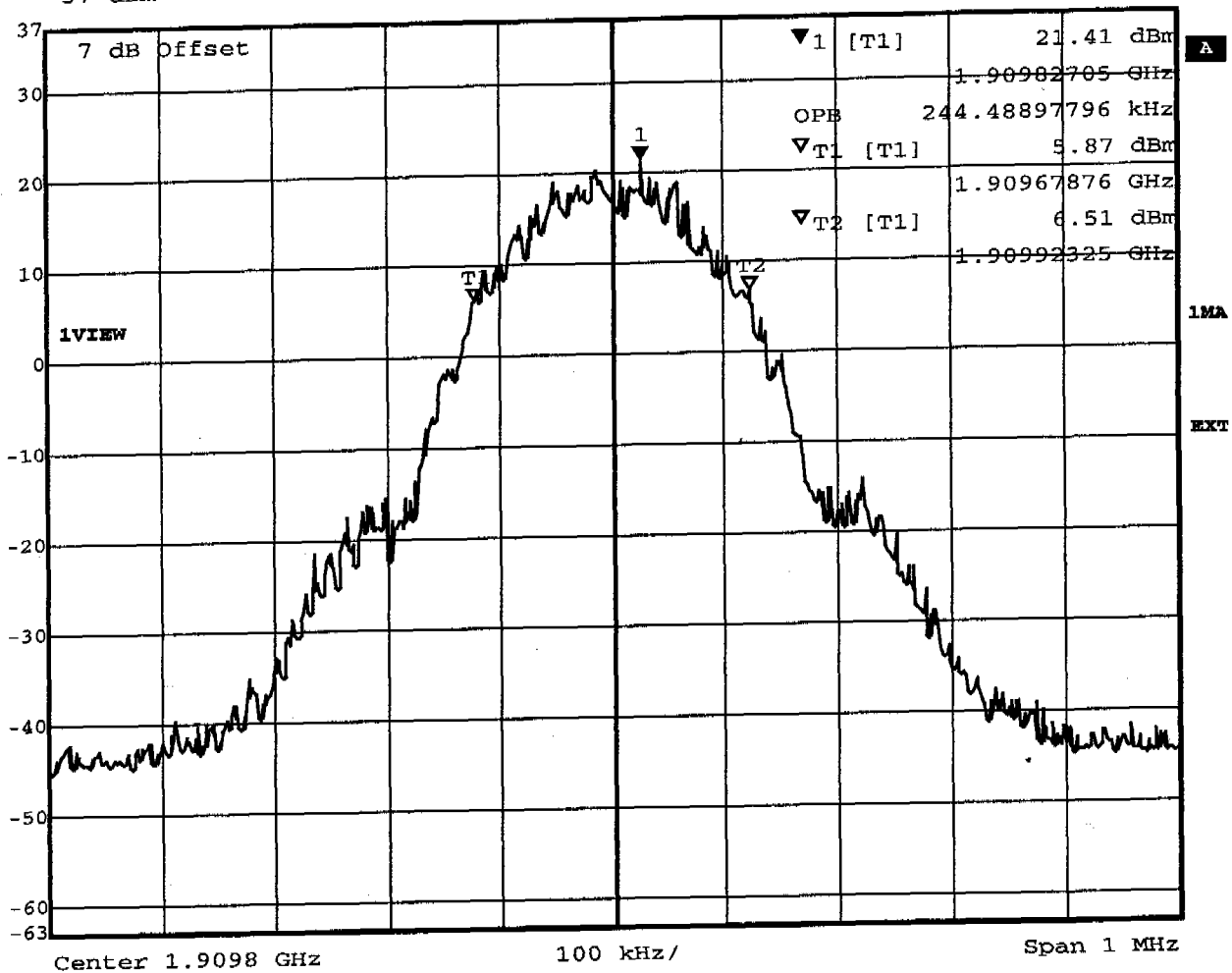
Ref Lvl 37 dBm  
Marker 1 [T1] 19.40 dBm  
1.87999098 GHz  
RBW 3 kHz  
VBW 3 kHz  
SWT 280 ms  
RF Att 60 dB  
Unit dBm



Title: Occupied Power Bandwidth Channel 661  
Date: 1.SEP.2003 13:59:49



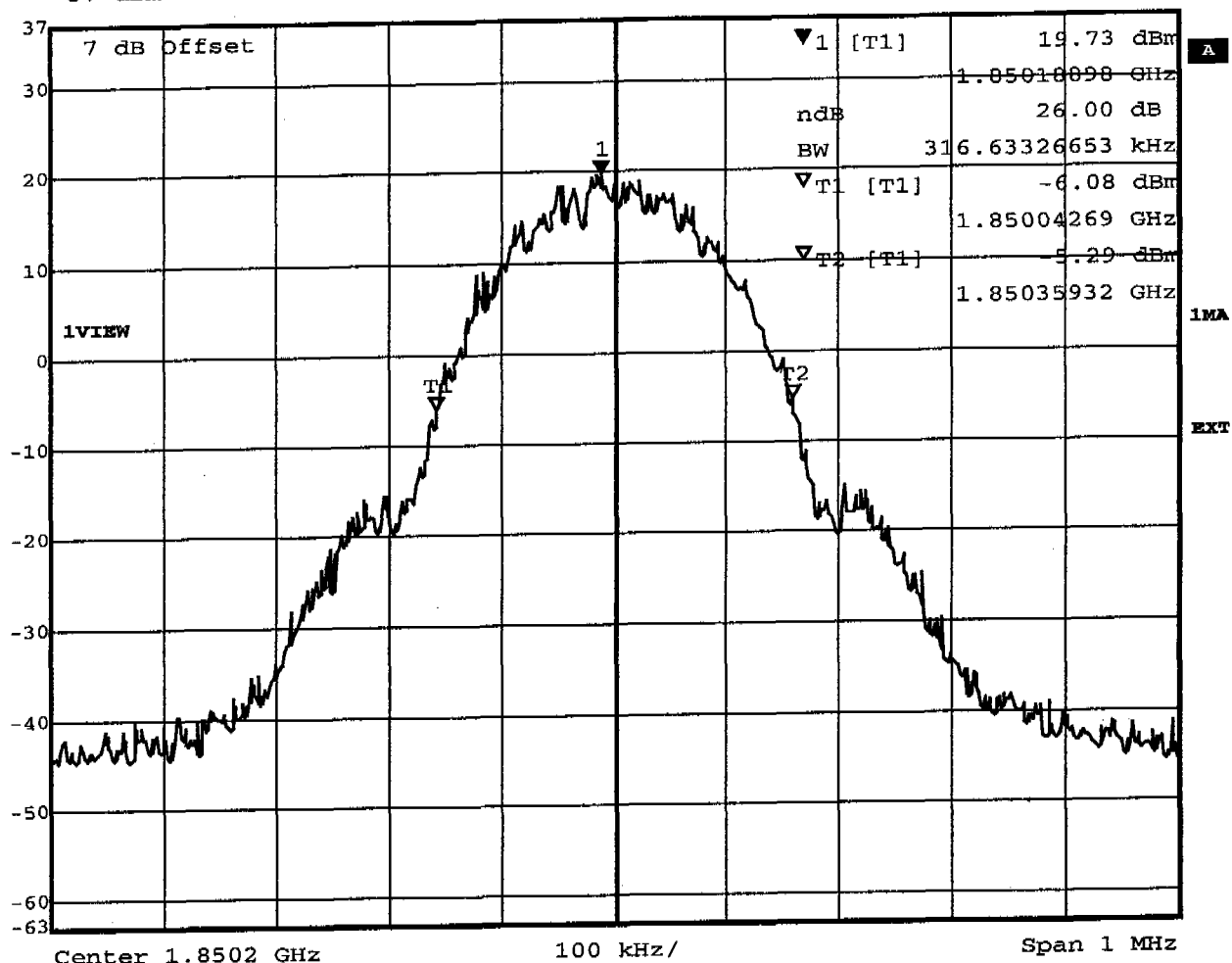
Ref Lvl 37 dBm  
Marker 1 [T1] 21.41 dBm  
1.90982705 GHz  
RBW 3 kHz  
VSW 3 kHz  
SWT 280 ms  
RF Att 60 dB  
Unit dBm



Title: Occupied Power Bandwidth Channel 810  
Date: 1.SEP.2003 14:18:39



Ref Lvl 37 dBm  
Marker 1 [T1 ndB] 26.00 dB  
BW 316.63326653 kHz  
RBW 3 kHz  
VBW 3 kHz  
SWT 280 ms  
RF Att 60 dB  
Unit dBm

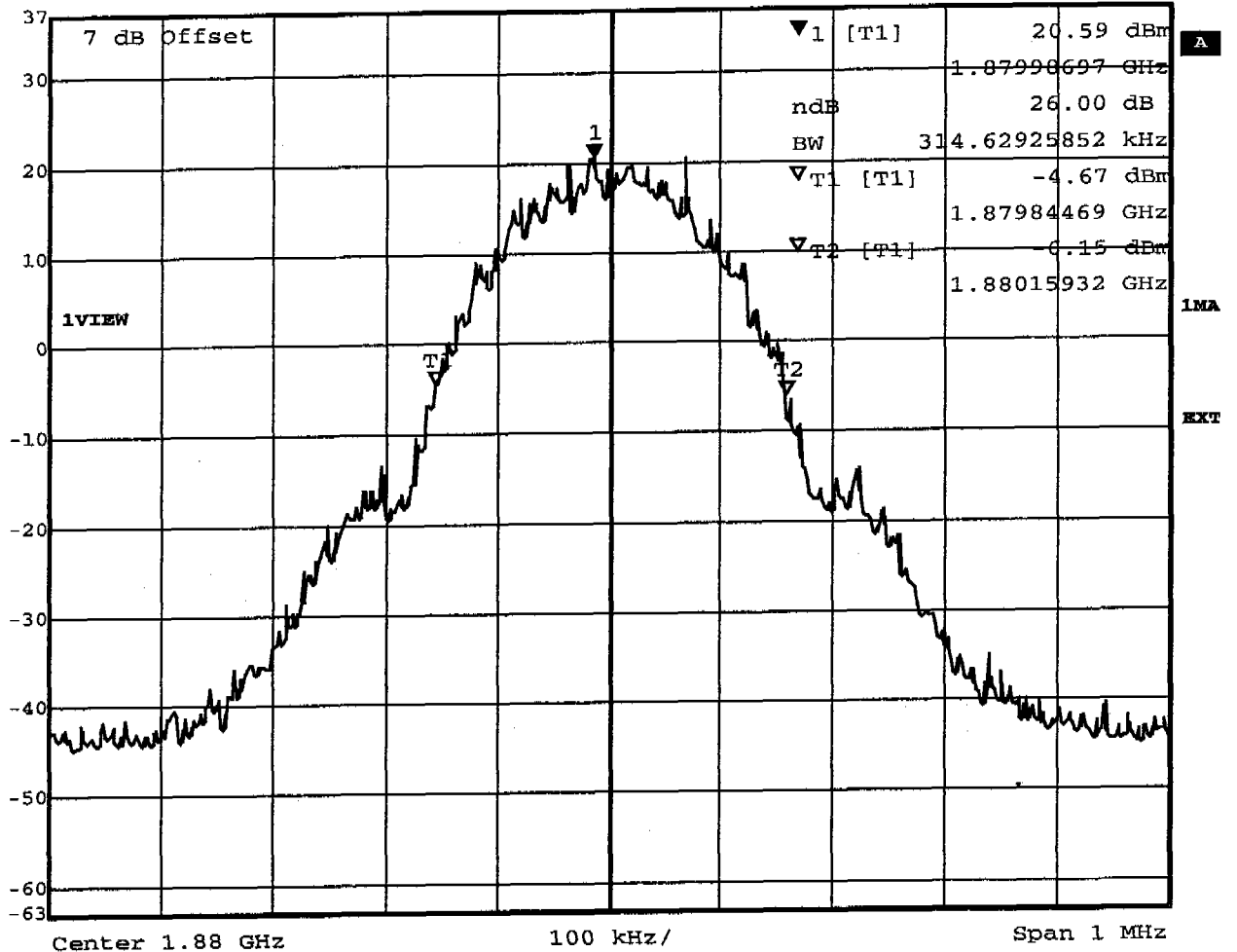


Title: -26 dBc Emission Bandwidth Channel 512  
Date: 1.SEP.2003 13:51:20





Ref Lvl 37 dBm  
Marker 1 [T1 ndB] 26.00 dB  
RBW 3 kHz  
VBW 3 kHz  
RF Att 60 dB  
BW 314.62925852 kHz  
SWT 280 ms  
Unit dBm



Title: -26 dBc Emission Bandwidth Channel 661  
Date: 1.SEP.2003 14:02:33

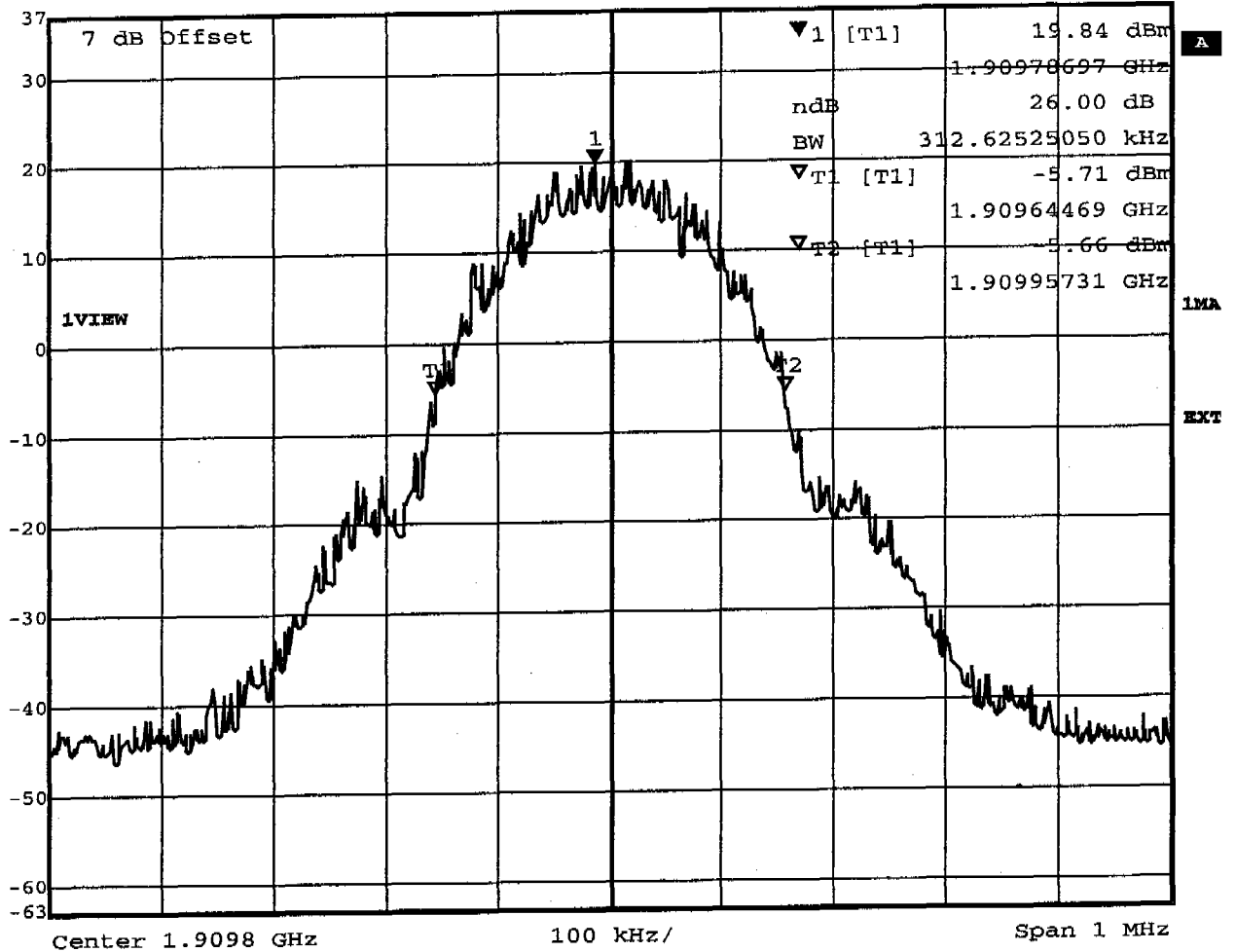


Ref Lvl  
37 dBm

Marker 1 [T1 ndB]  
ndB 26.00 dB  
BW 312.62525050 kHz

RBW 3 kHz  
VBW 3 kHz  
SWT 280 ms

RF Att 60 dB  
Unit dBm



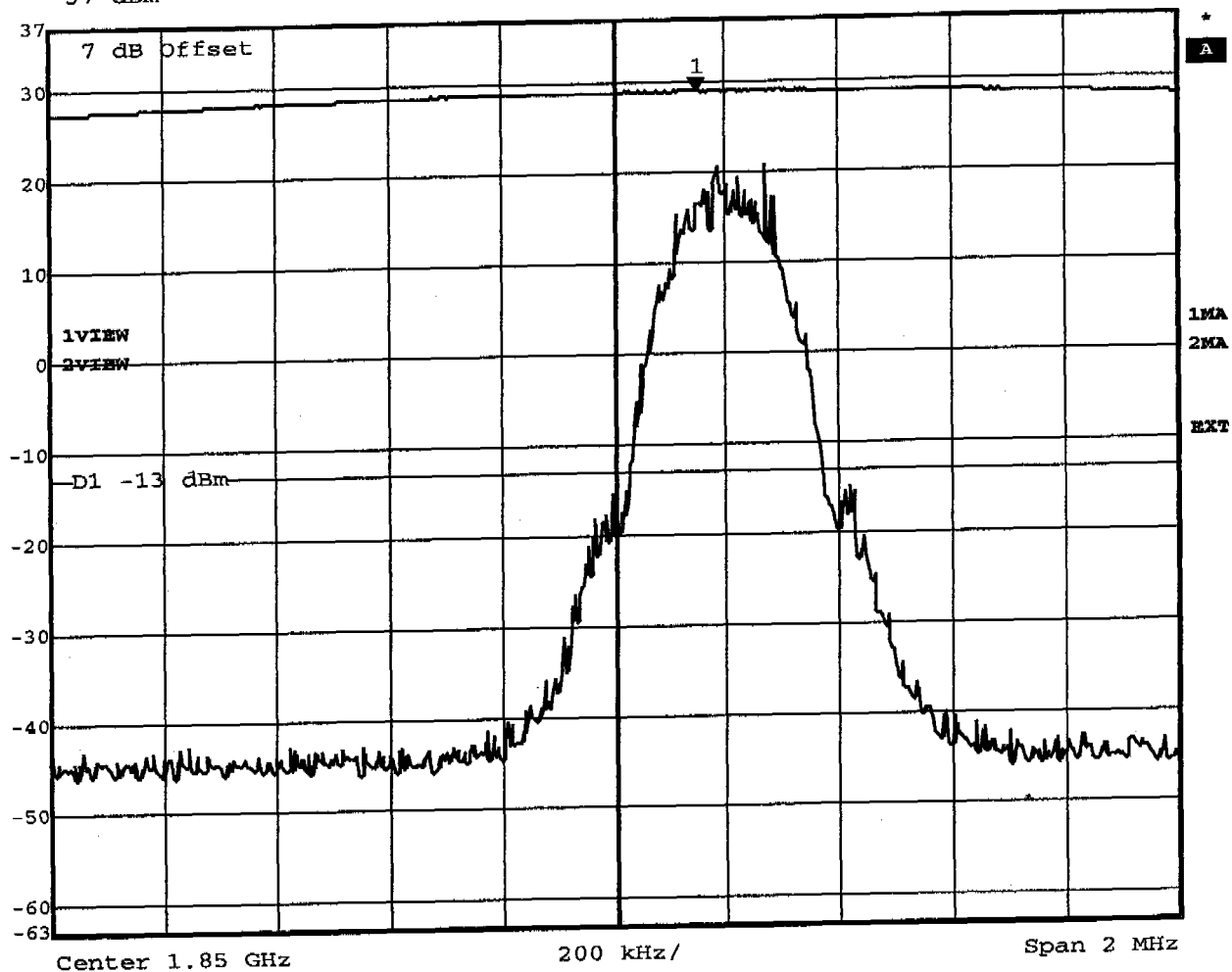
Title: -26 dBc Emission Bandwidth Channel 810  
Date: 1.SEP.2003 14:16:53

## Appendix E

### Field Strength of Spurious Radiation



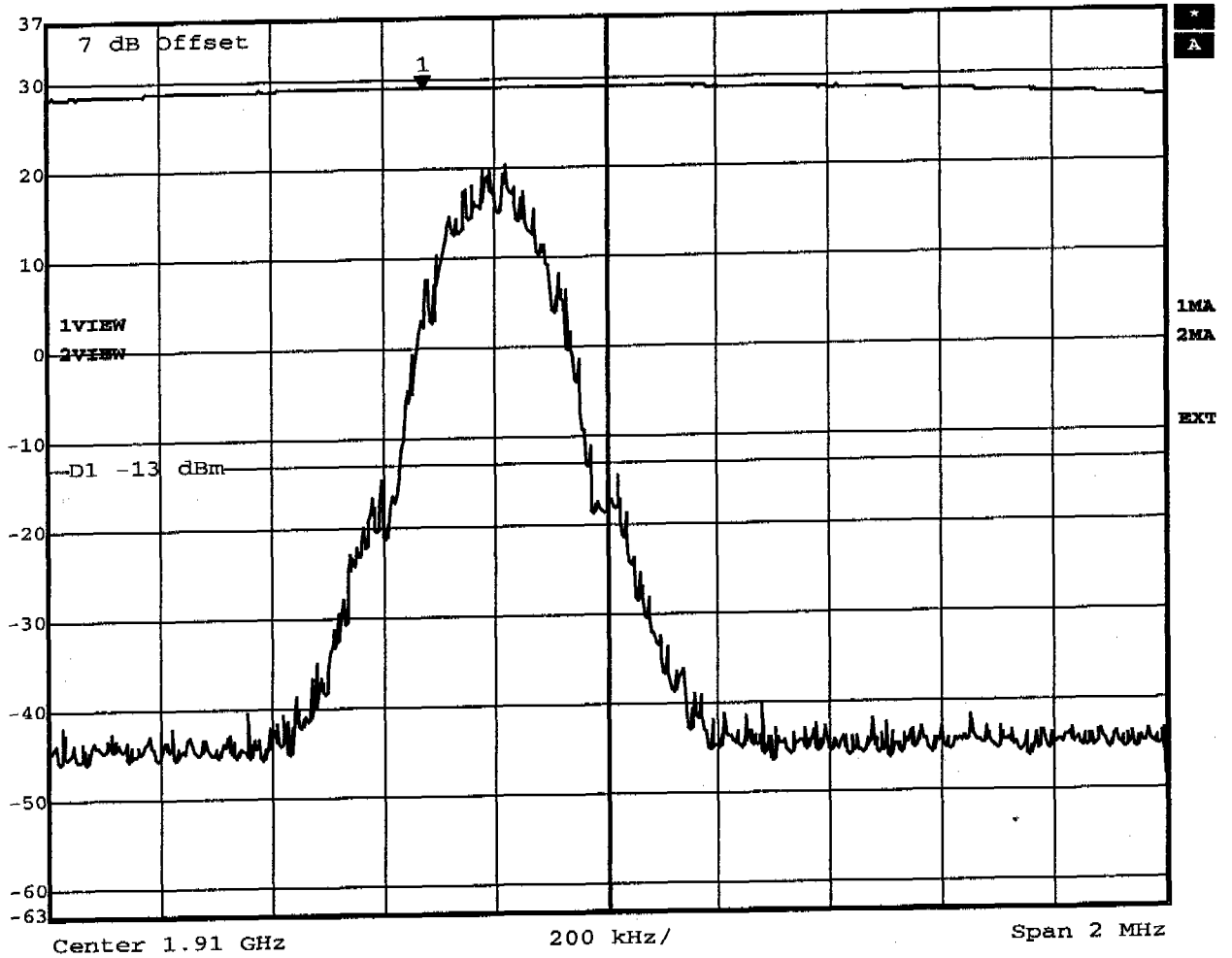
Marker 1 [T1] RBW 3 kHz RF Att 60 dB  
Ref Lvl 28.80 dBm VBW 3 kHz  
37 dBm 1.85015030 GHz SWT 560 ms Unit dBm



Title: Lower Band Edge  
Date: 1.SEP.2003 13:48:56



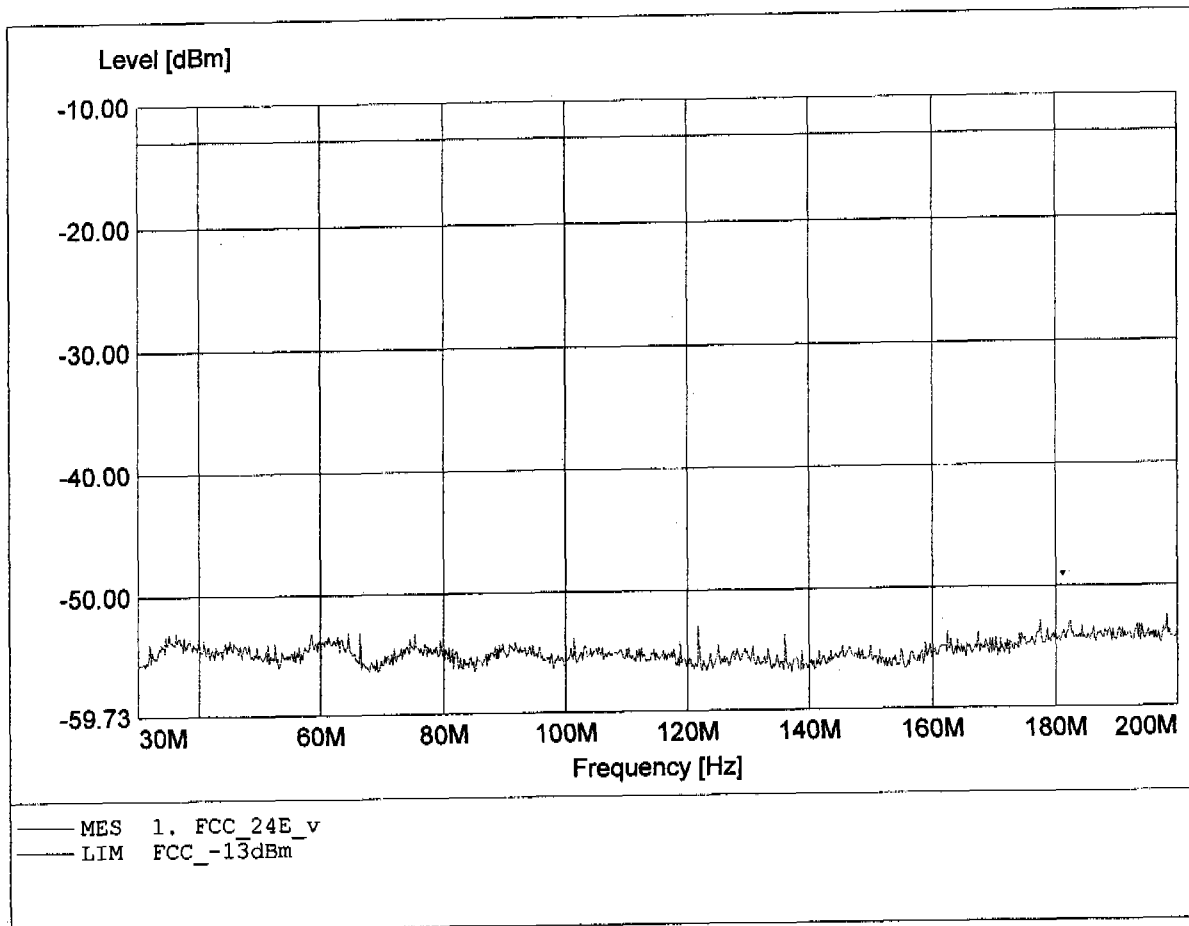
Marker 1 [T1] RBW 3 kHz RF Att 60 dB  
Ref Lvl 28.96 dBm VBW 3 kHz  
37 dBm 1.90967335 GHz SWT 560 ms Unit dBm



Title: Higher Band Edge  
Date: 1.SEP.2003 14:15:28

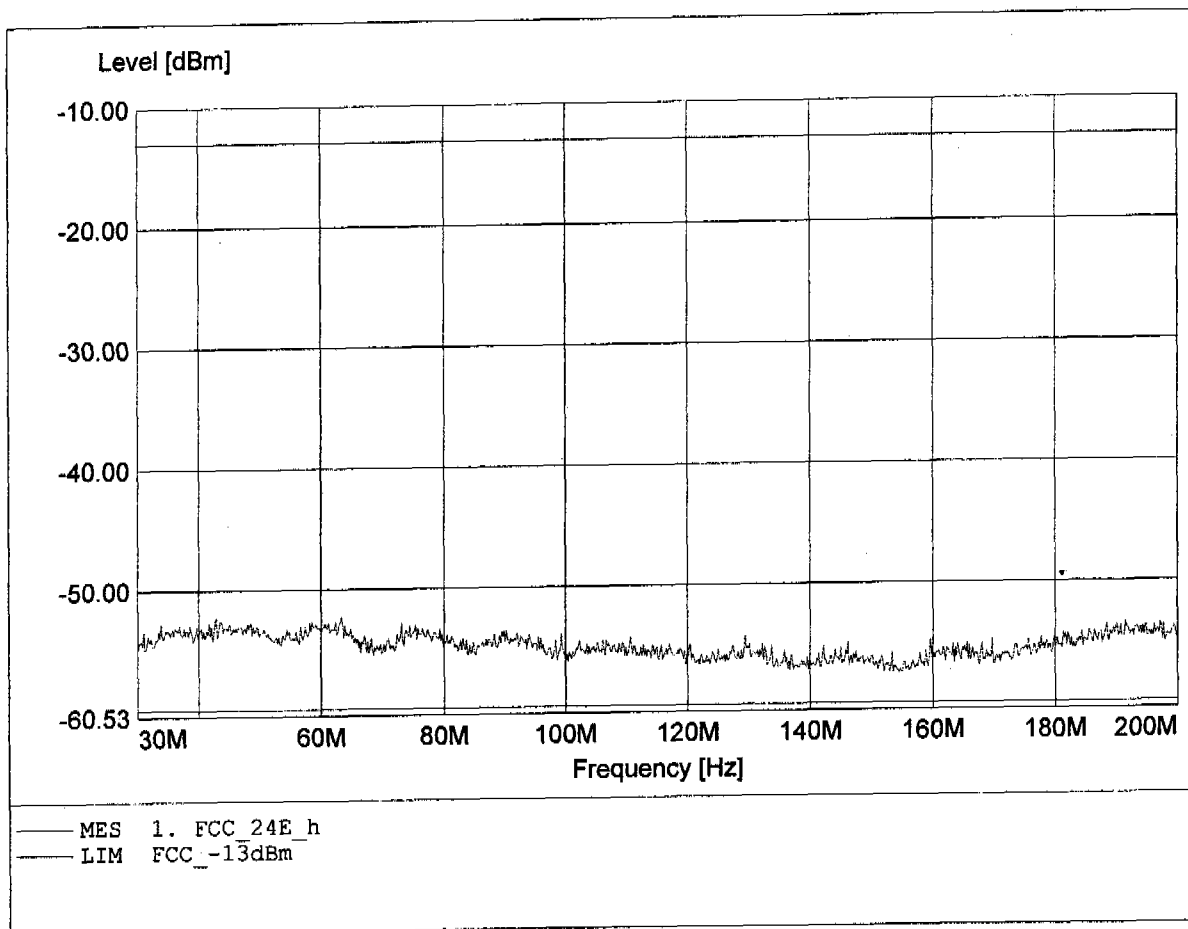
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 198.300MHz, Pmax: -52.44dBm, RBW: 1MHz



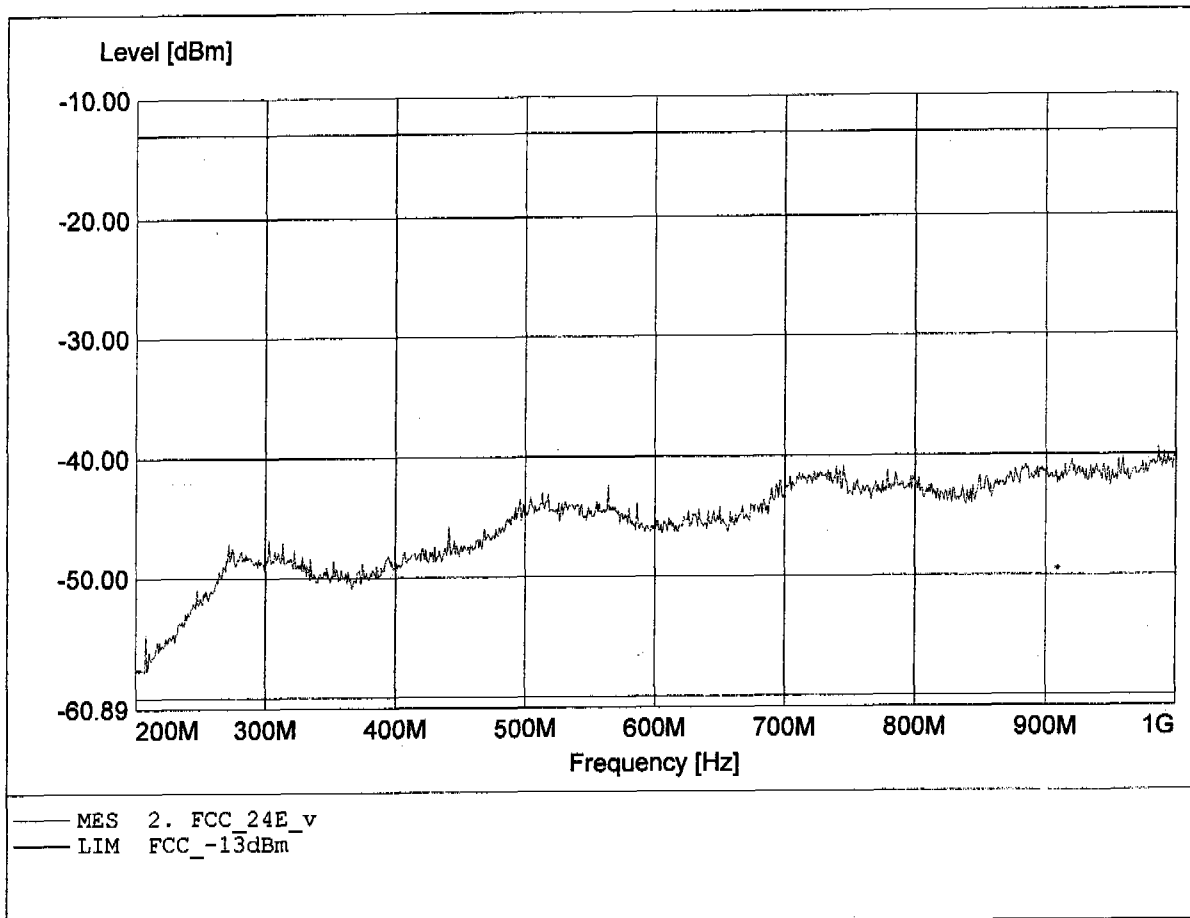
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 42.844MHz, Pmax: -52.29dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

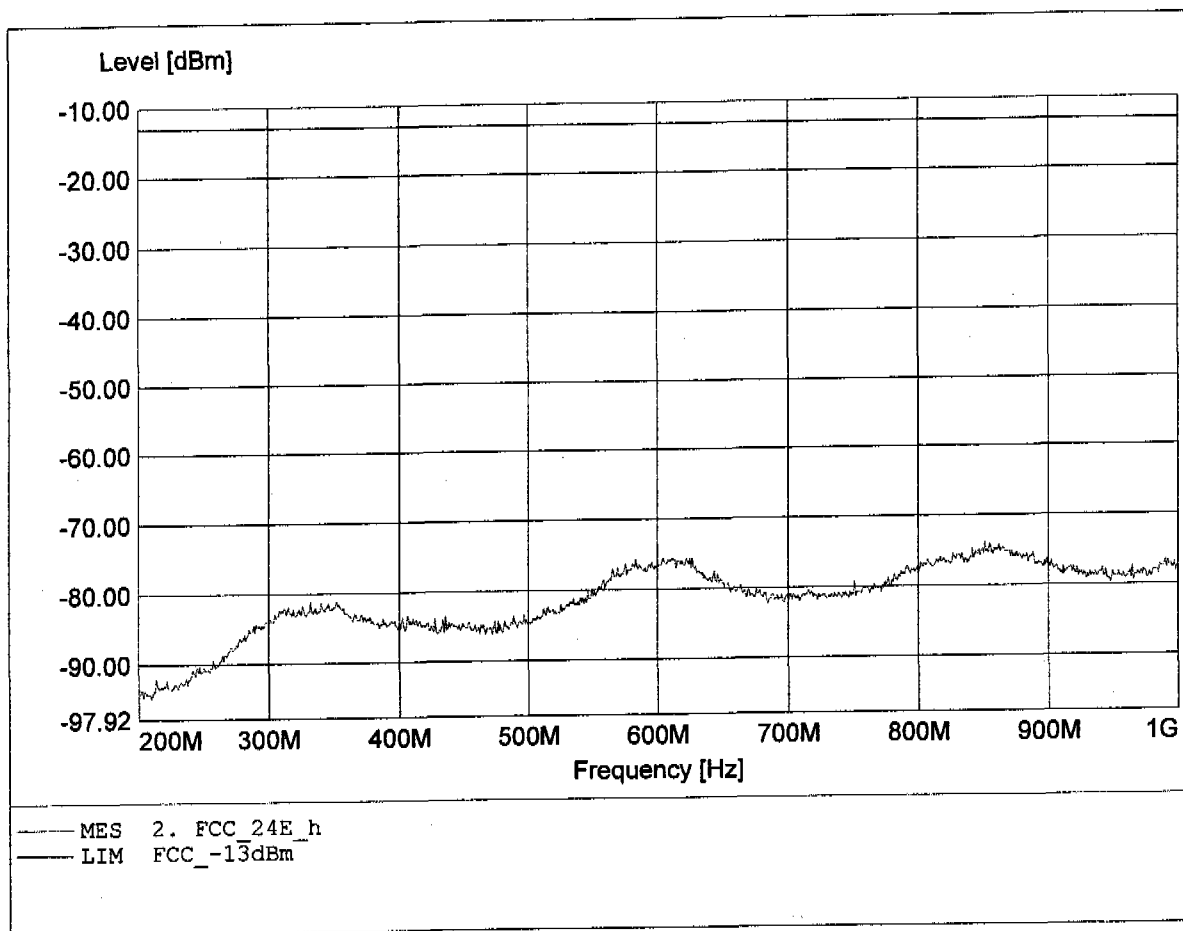
EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 986.667MHz, Pmax: -39.48dBm, RBW: 1MHz





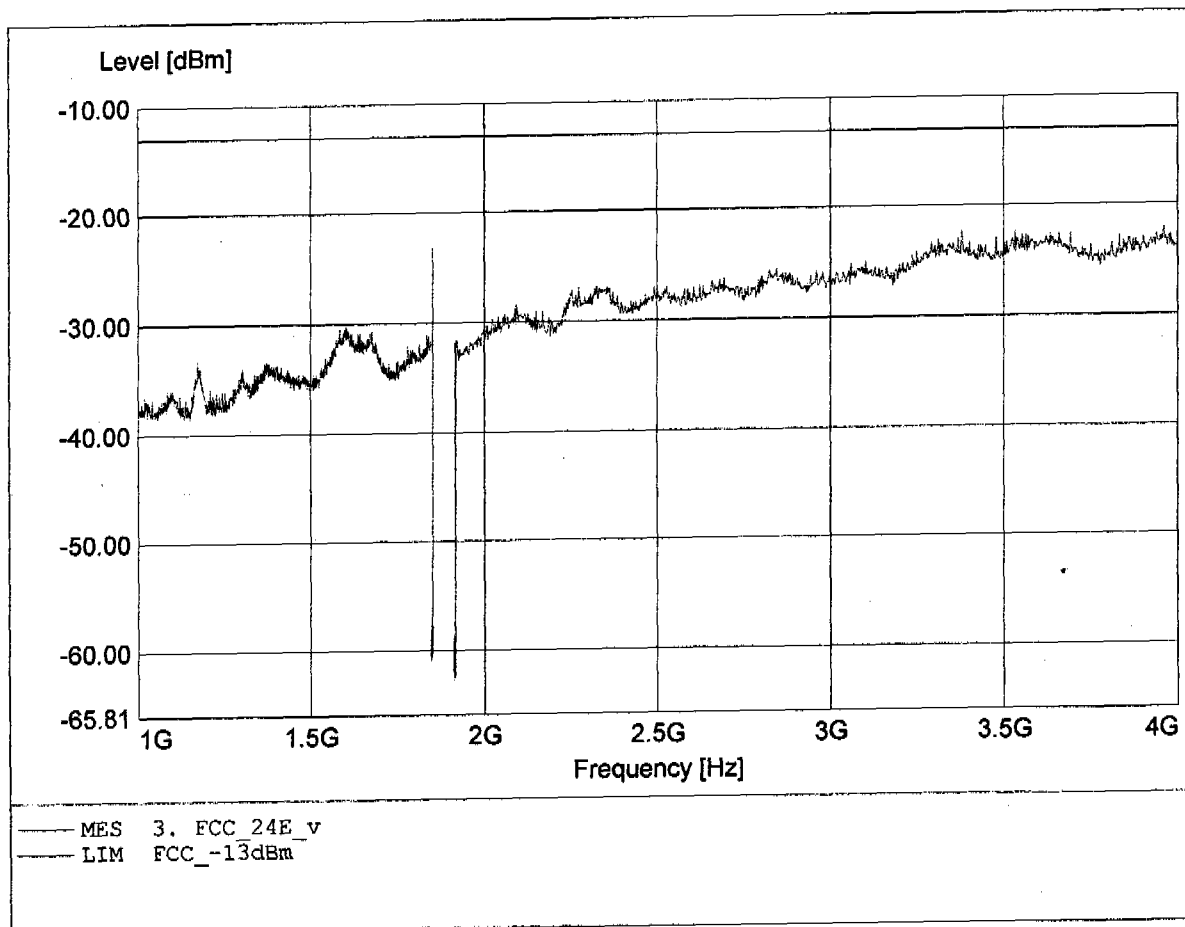
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 851.556MHz, Pmax: -73.85dBm, RBW: 1MHz



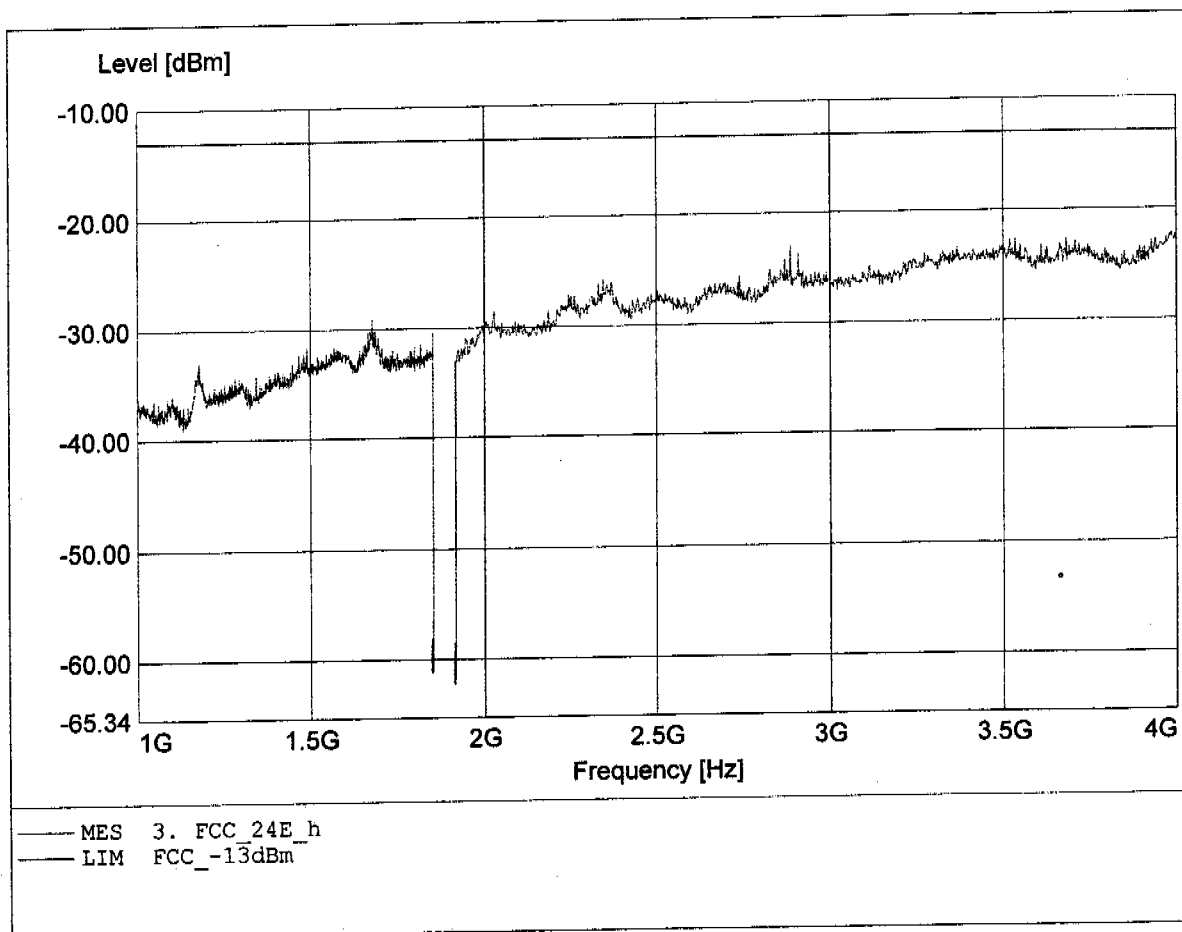
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.961GHz, Pmax: -22.19dBm, RBW: 1MHz/3kHz



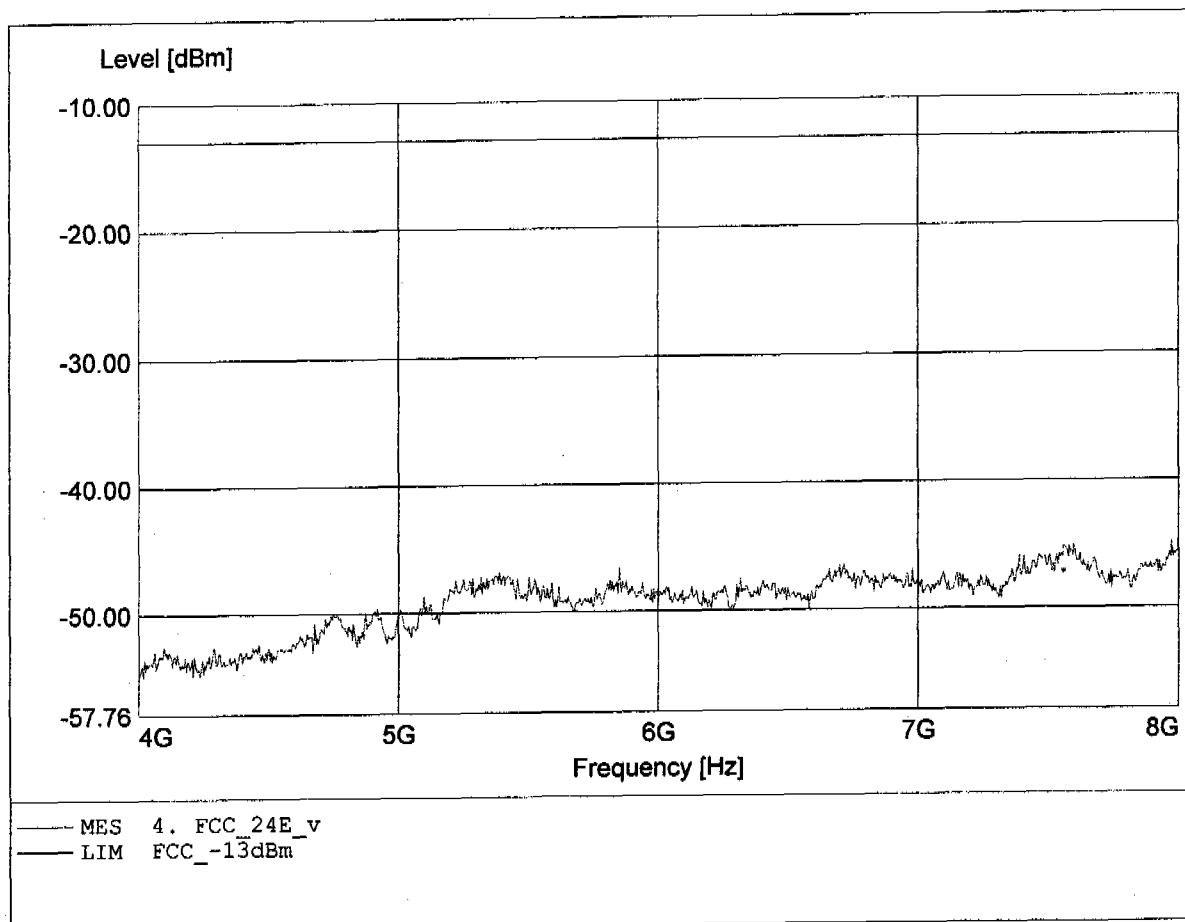
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.986GHz, Pmax: -22.26dBm, RBW: 1MHz/3kHz



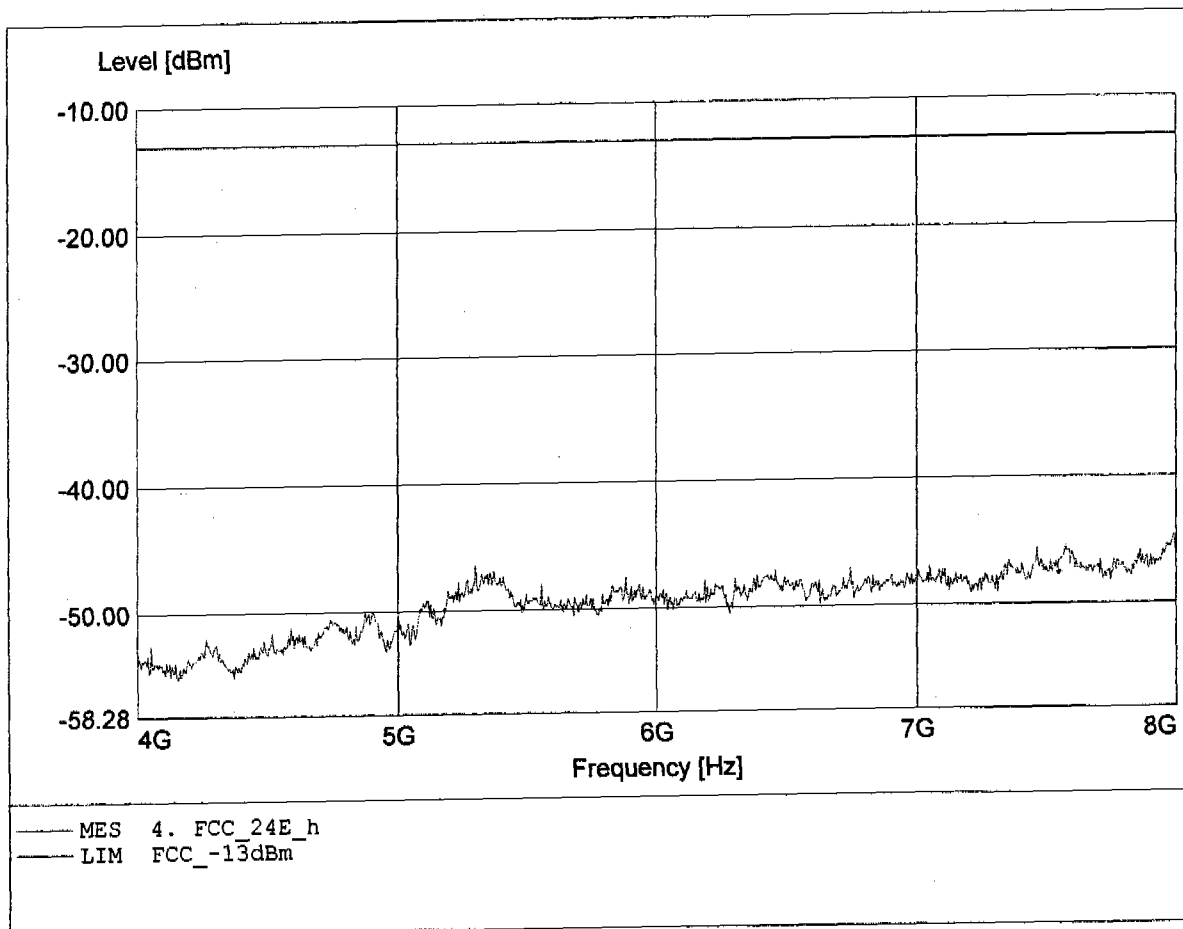
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.973GHz, Pmax: -44.87dBm, RBW: 1MHz



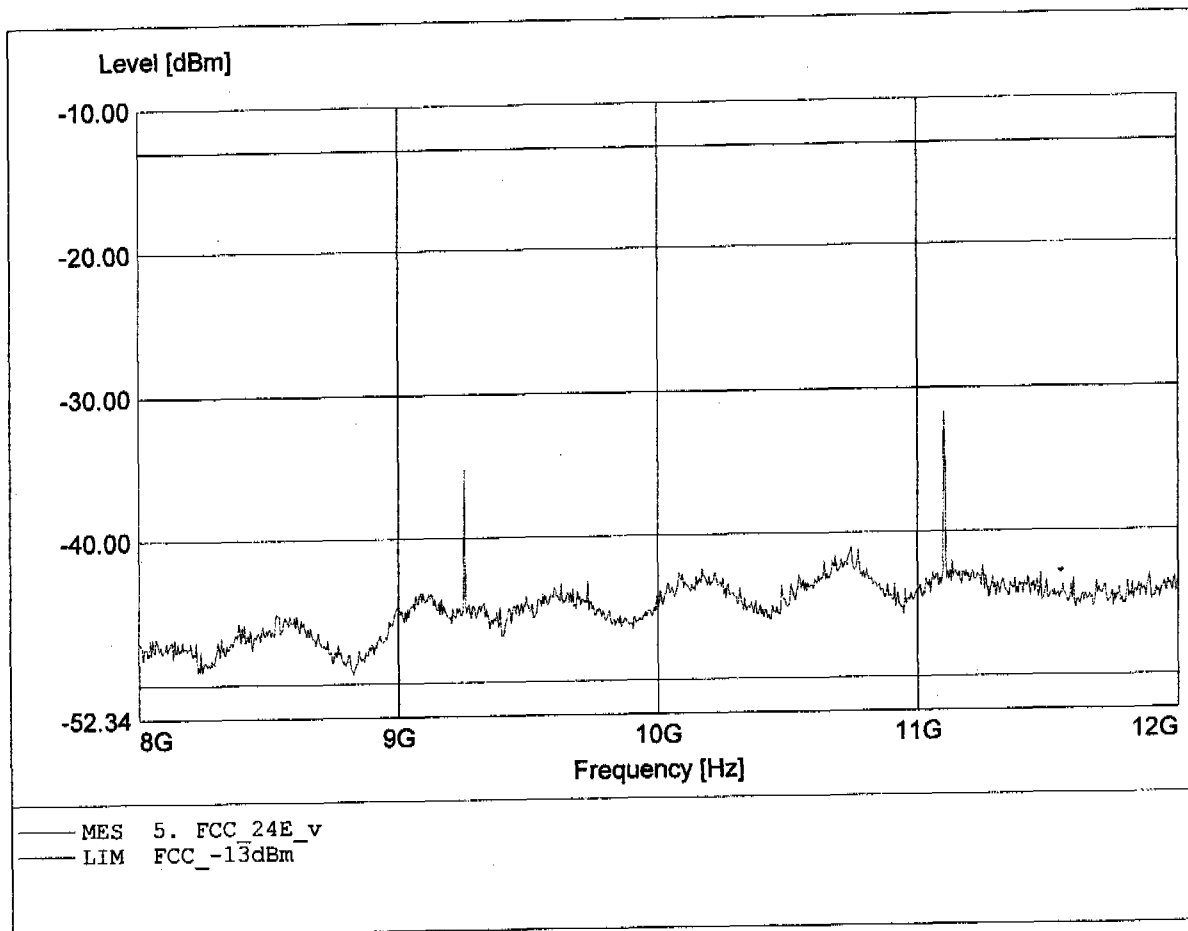
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.991GHz, Pmax: -44.61dBm, RBW: 1MHz



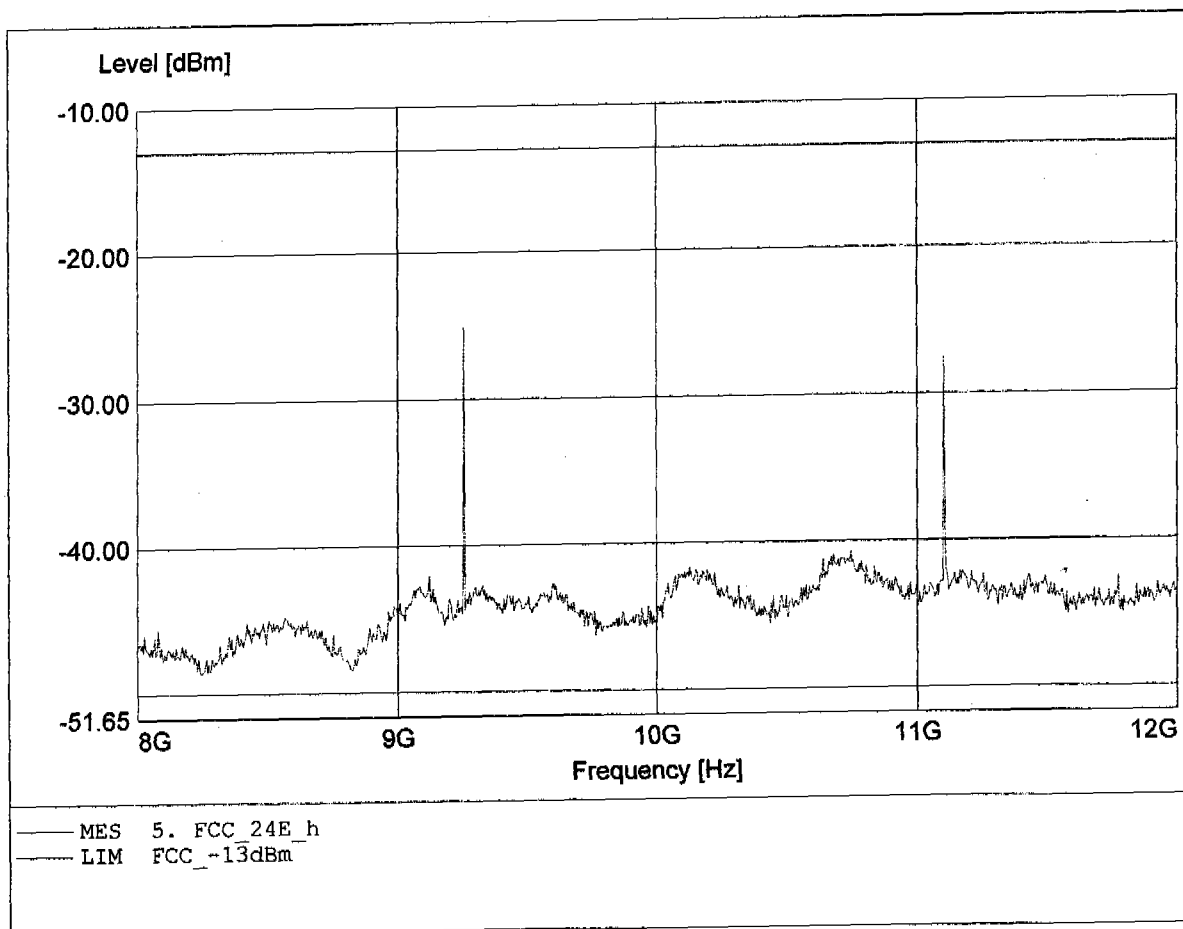
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.102GHz, Pmax: -31.66dBm, RBW: 1MHz



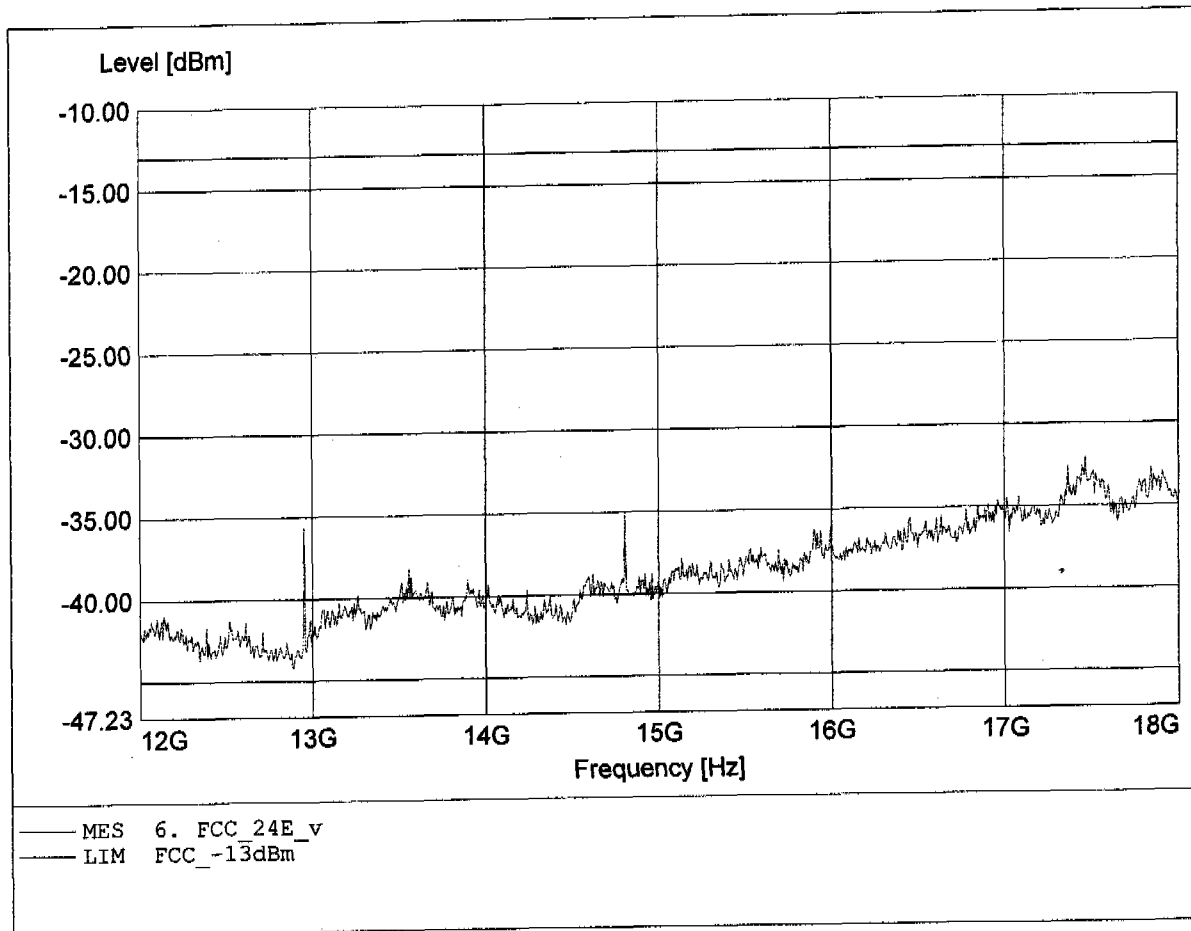
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 9.253GHz, Pmax: -25.14dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

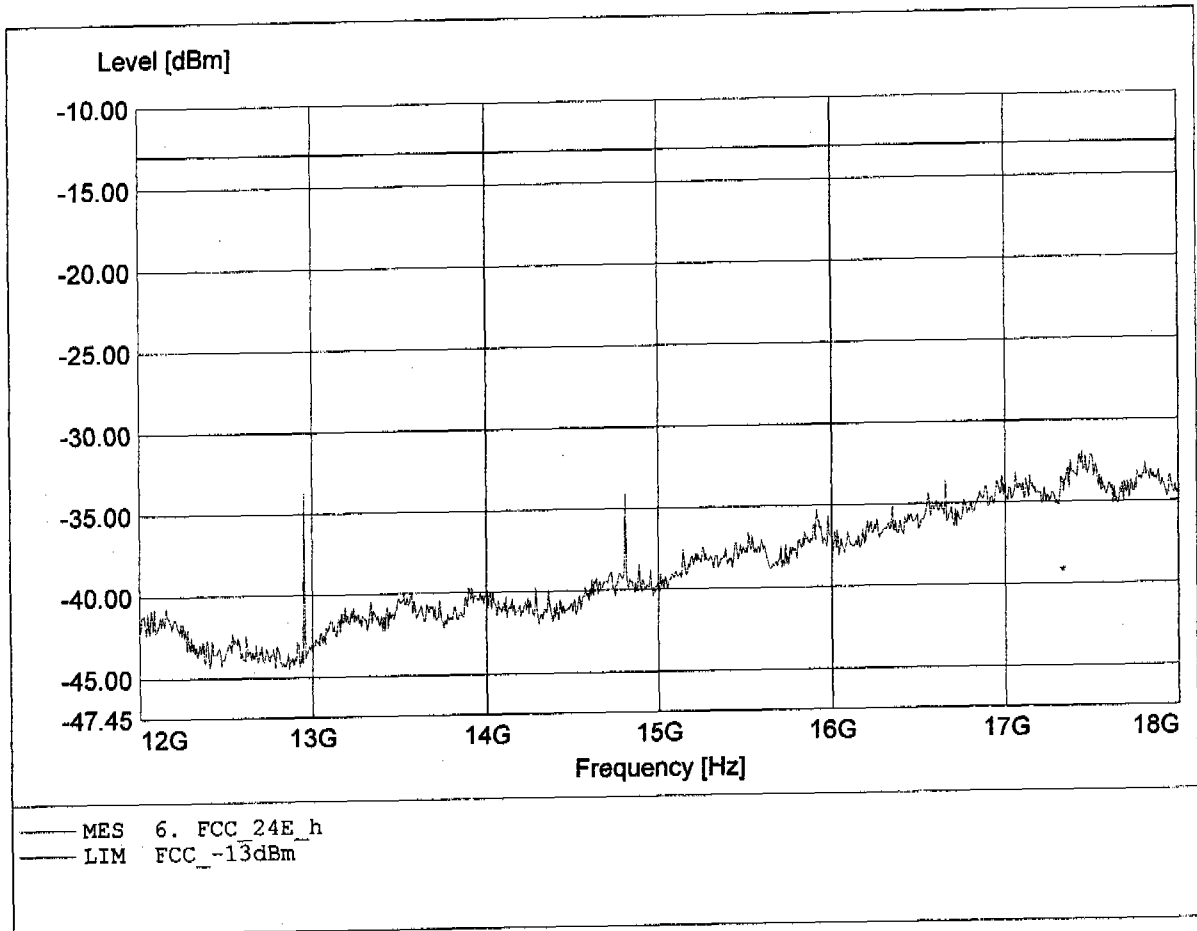
EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.460GHz, Pmax: -32.04dBm, RBW: 1MHz





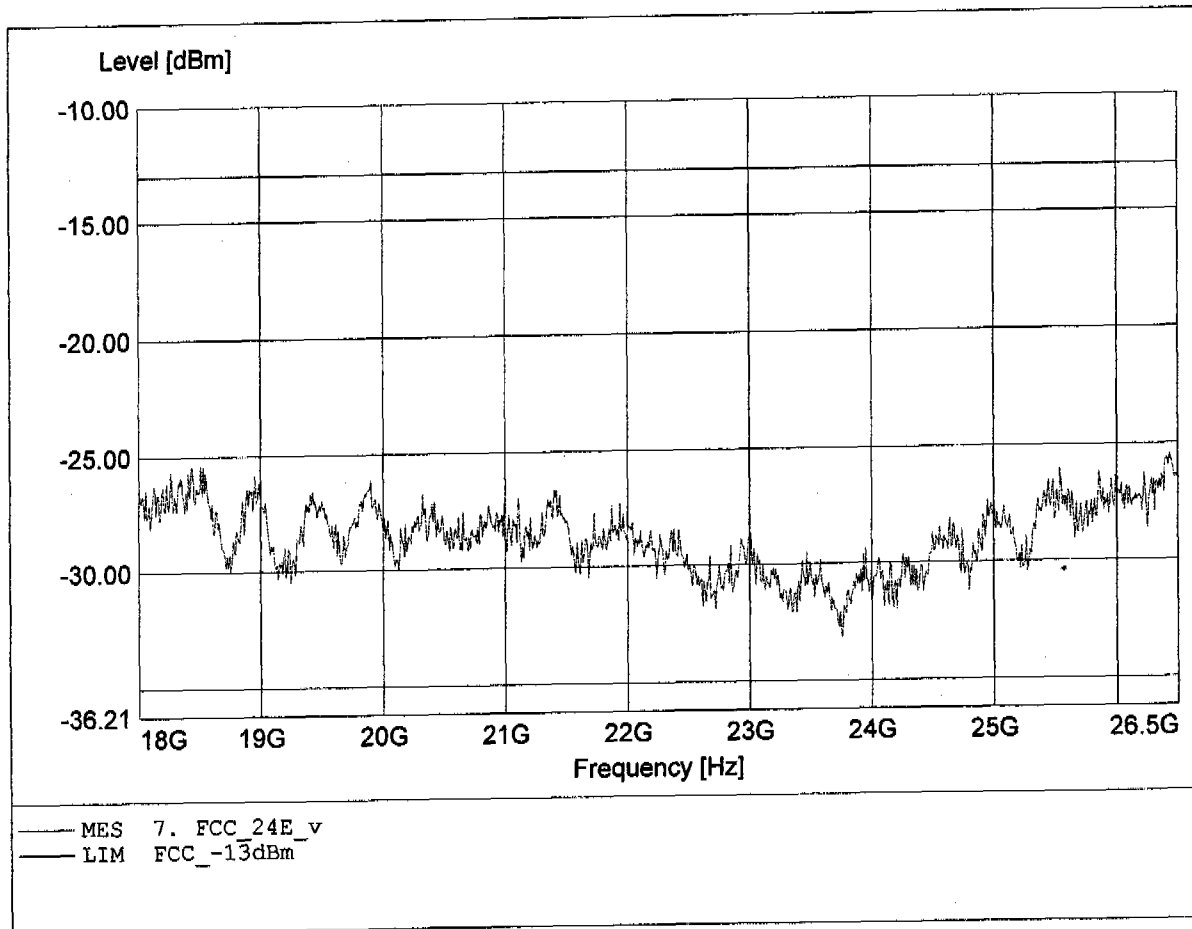
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.440GHz, Pmax: -31.97dBm, RBW: 1MHz



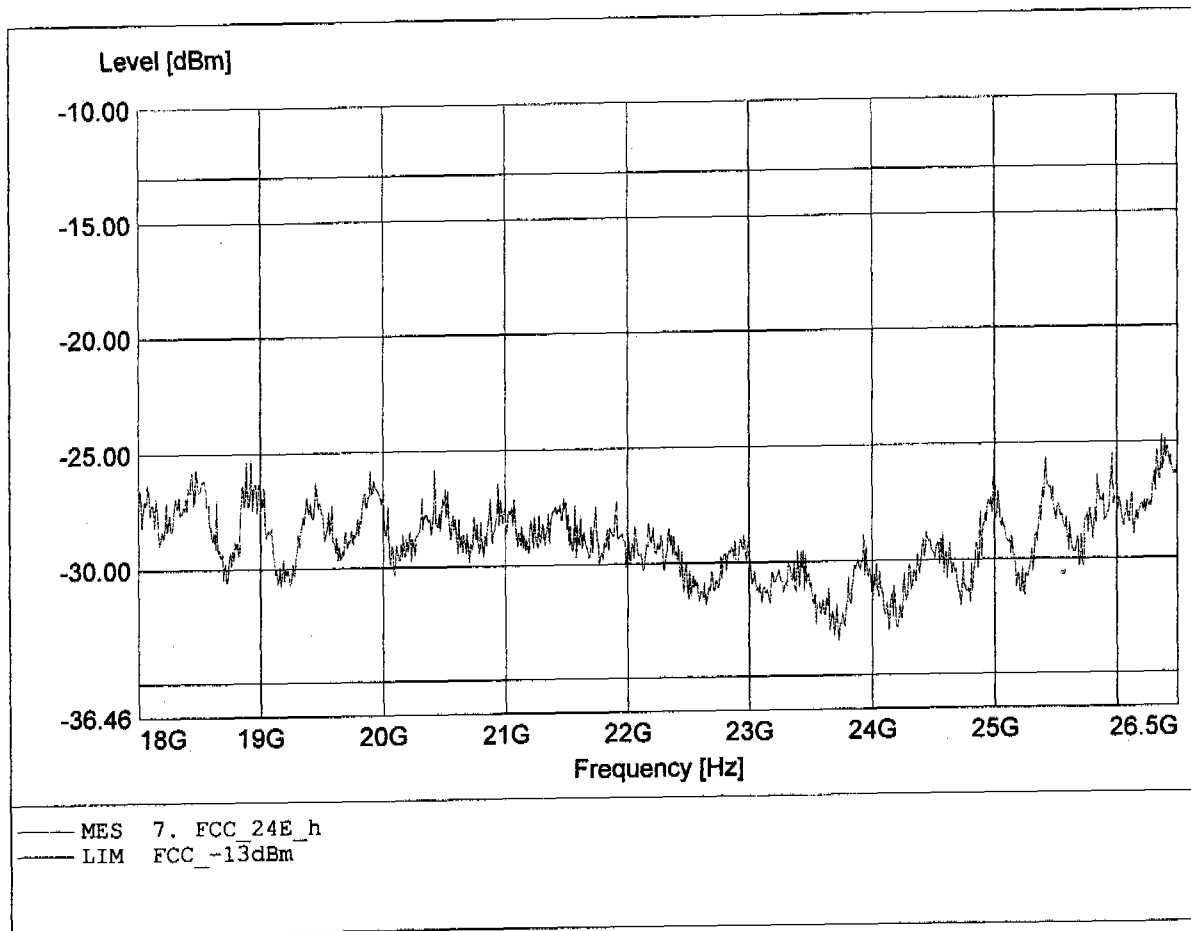
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 18.510GHz, Pmax: -25.42dBm, RBW: 1MHz



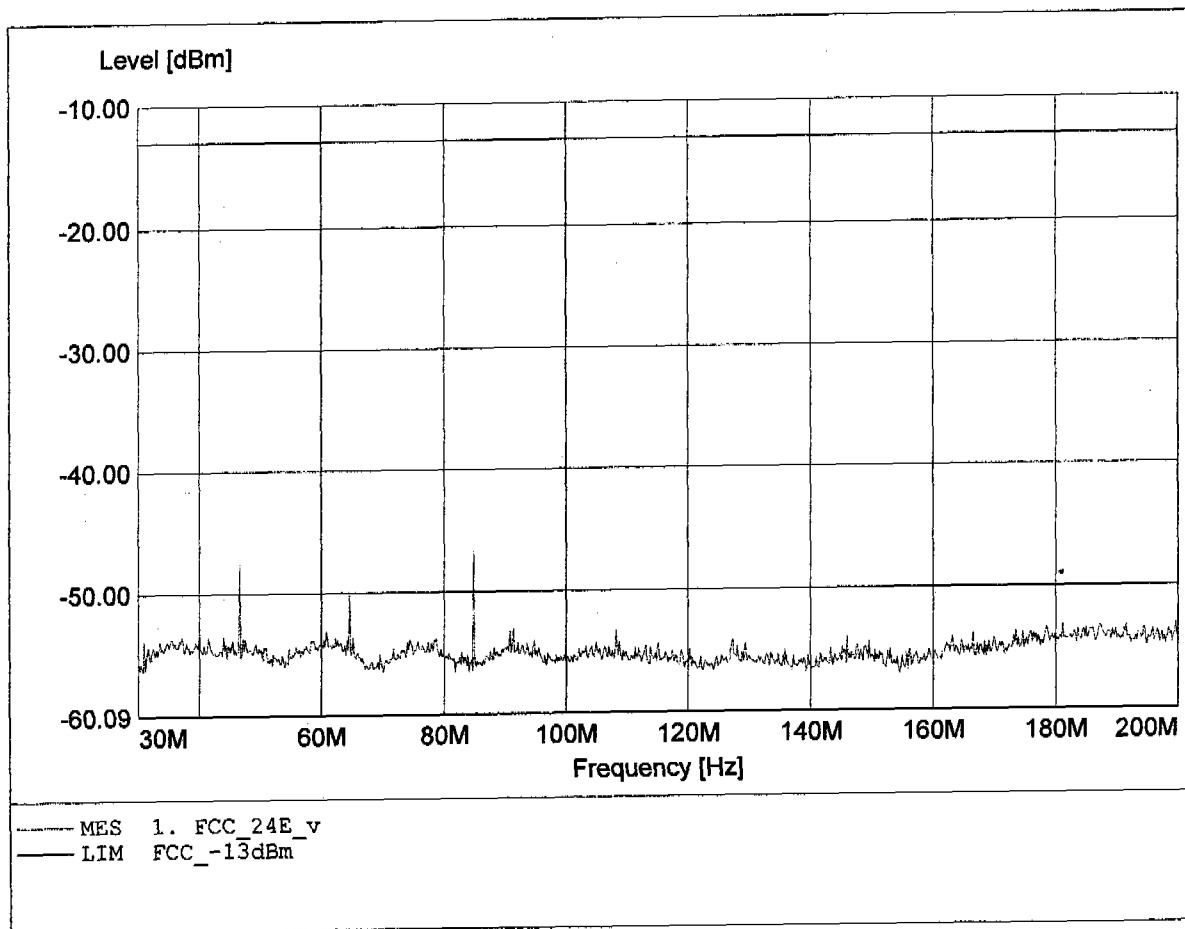
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 512  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.368GHz, Pmax: -24.67dBm, RBW: 1MHz



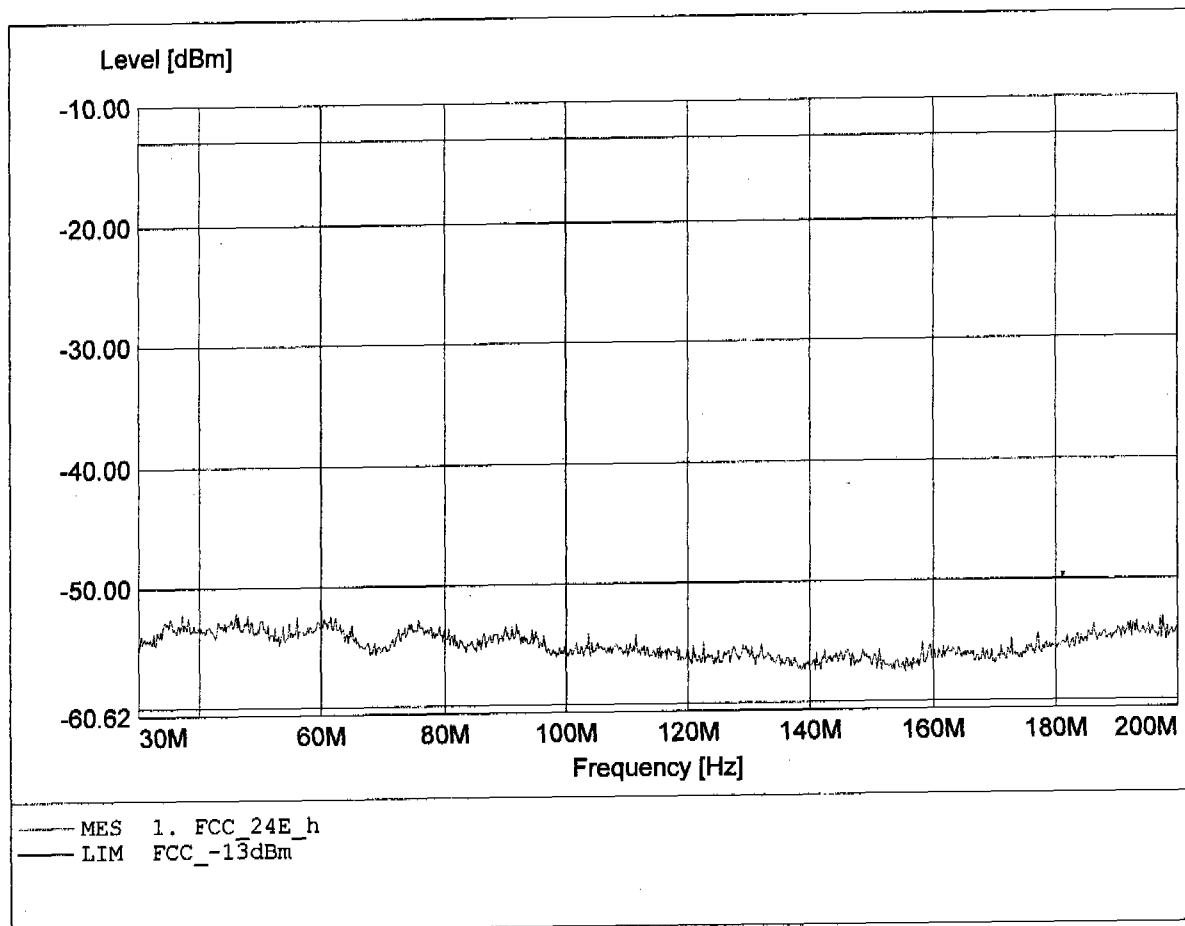
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 84.778MHz, Pmax: -46.67dBm, RBW: 1MHz



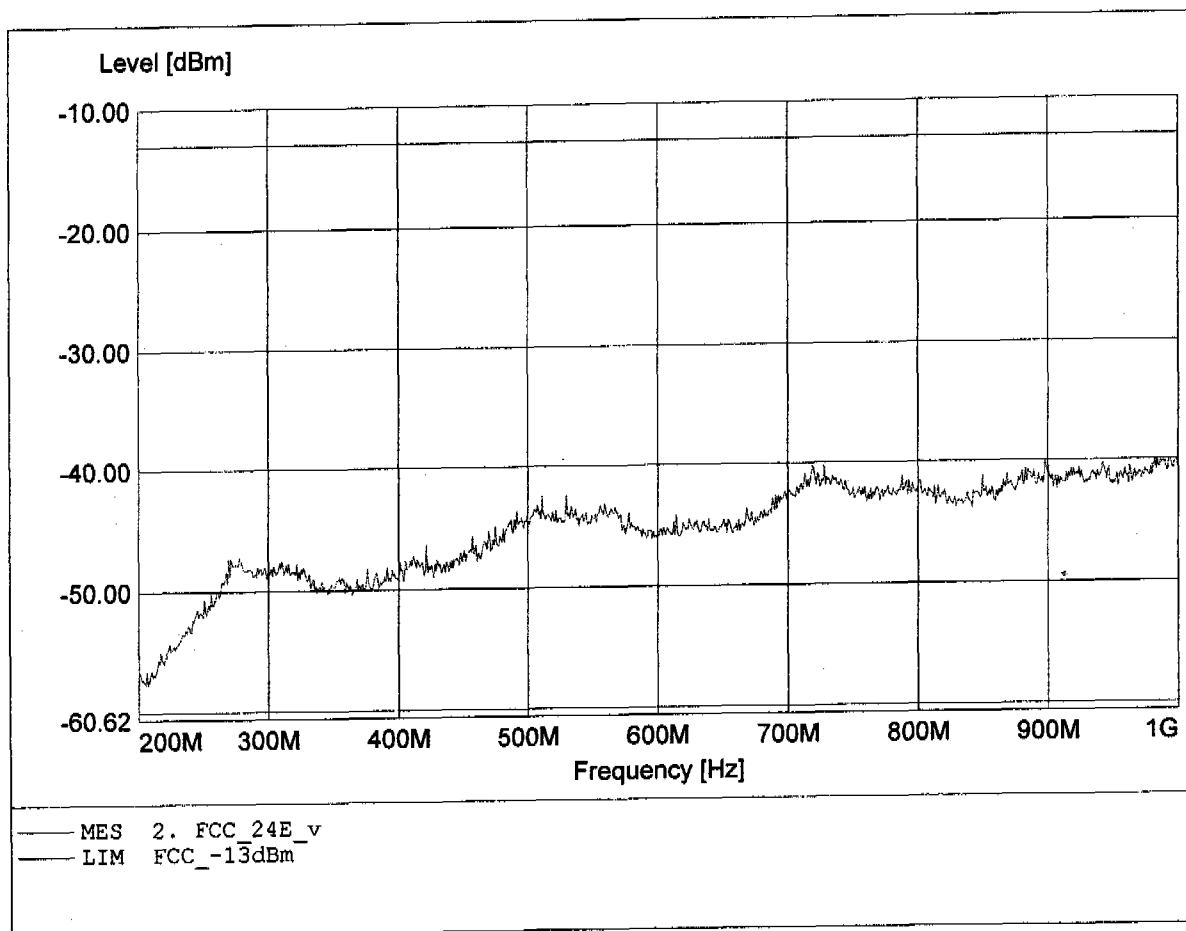
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 46.056MHz, Pmax: -52.11dBm, RBW: 1MHz



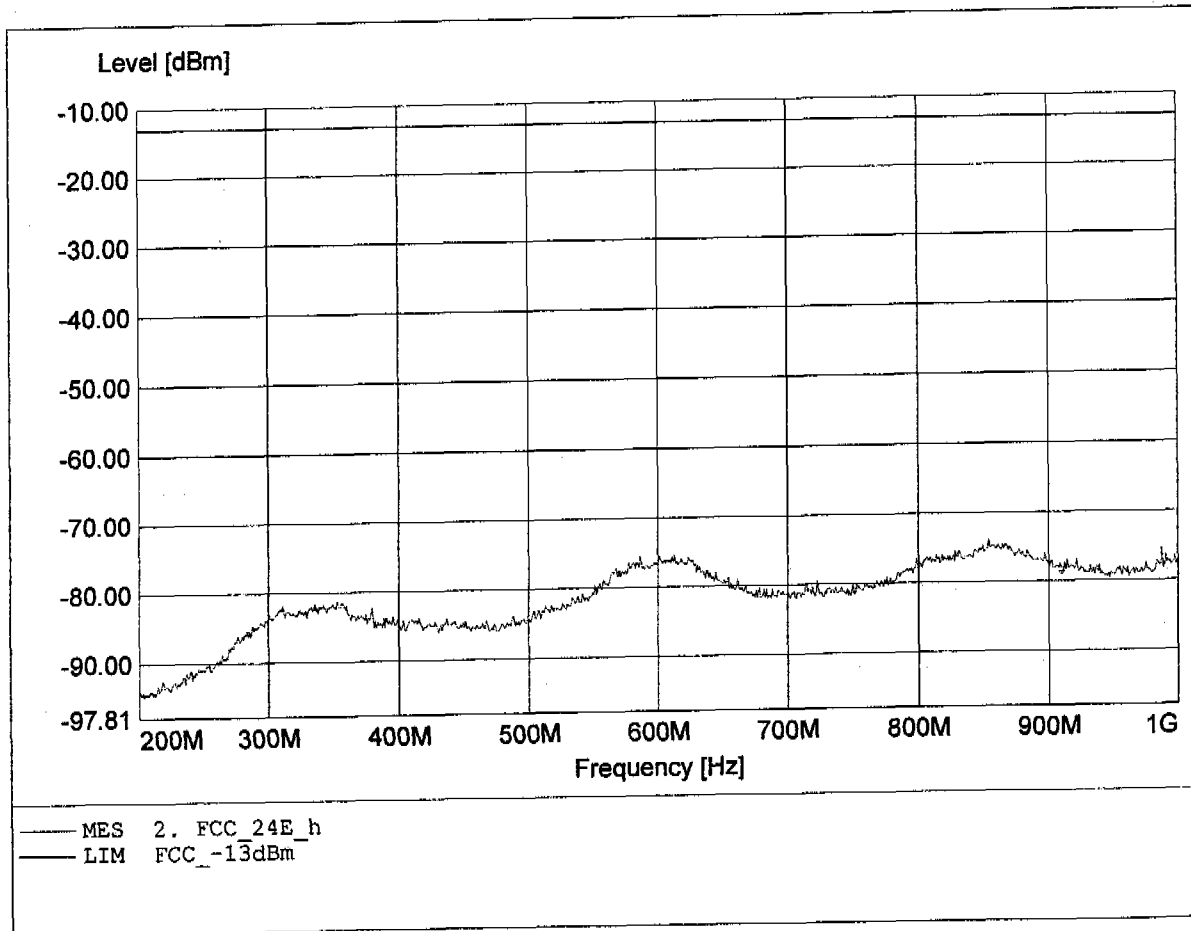
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 993.778MHz, Pmax: -39.91dBm, RBW: 1MHz



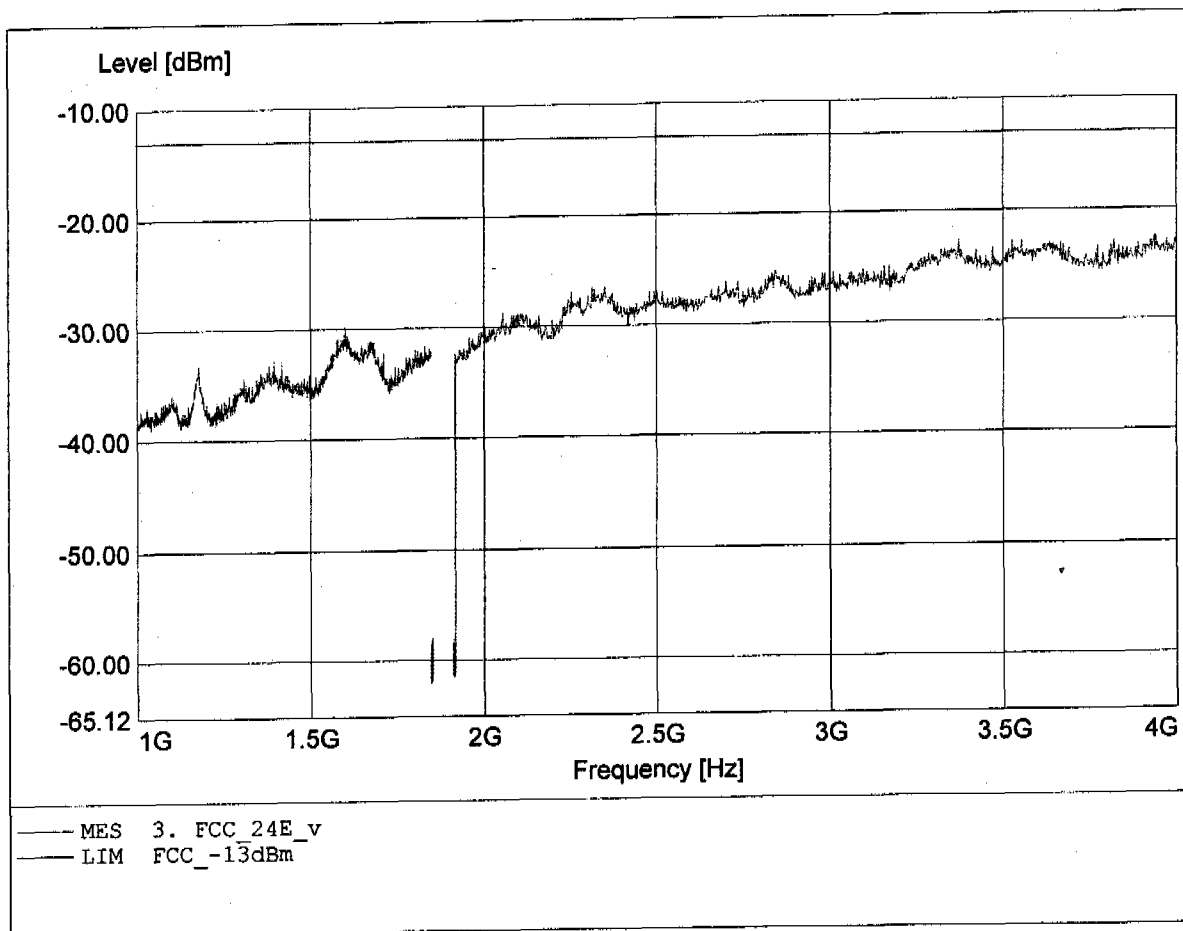
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 854.222MHz, Pmax: -74.00dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

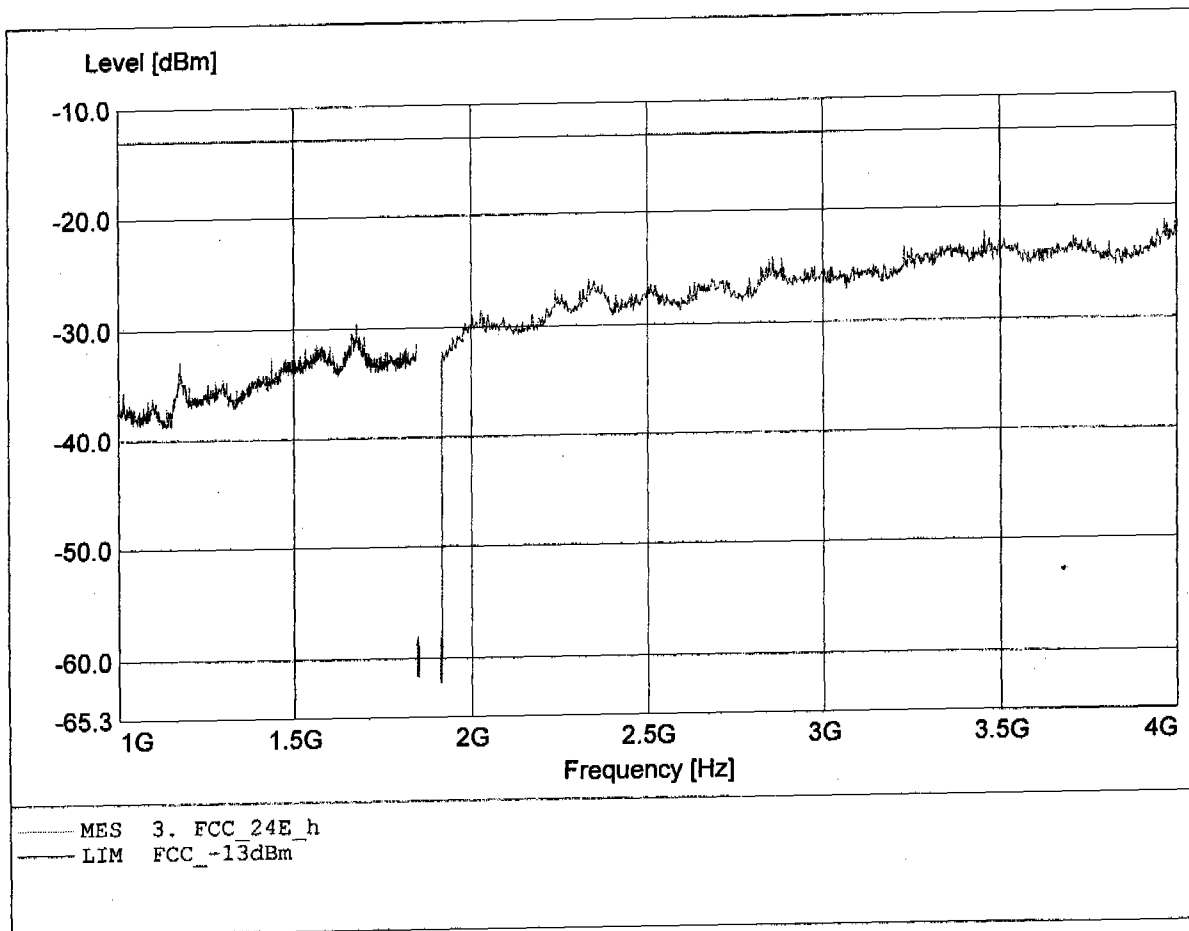
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Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.940GHz, Pmax: -22.47dBm, RBW: 1MHz/3kHz





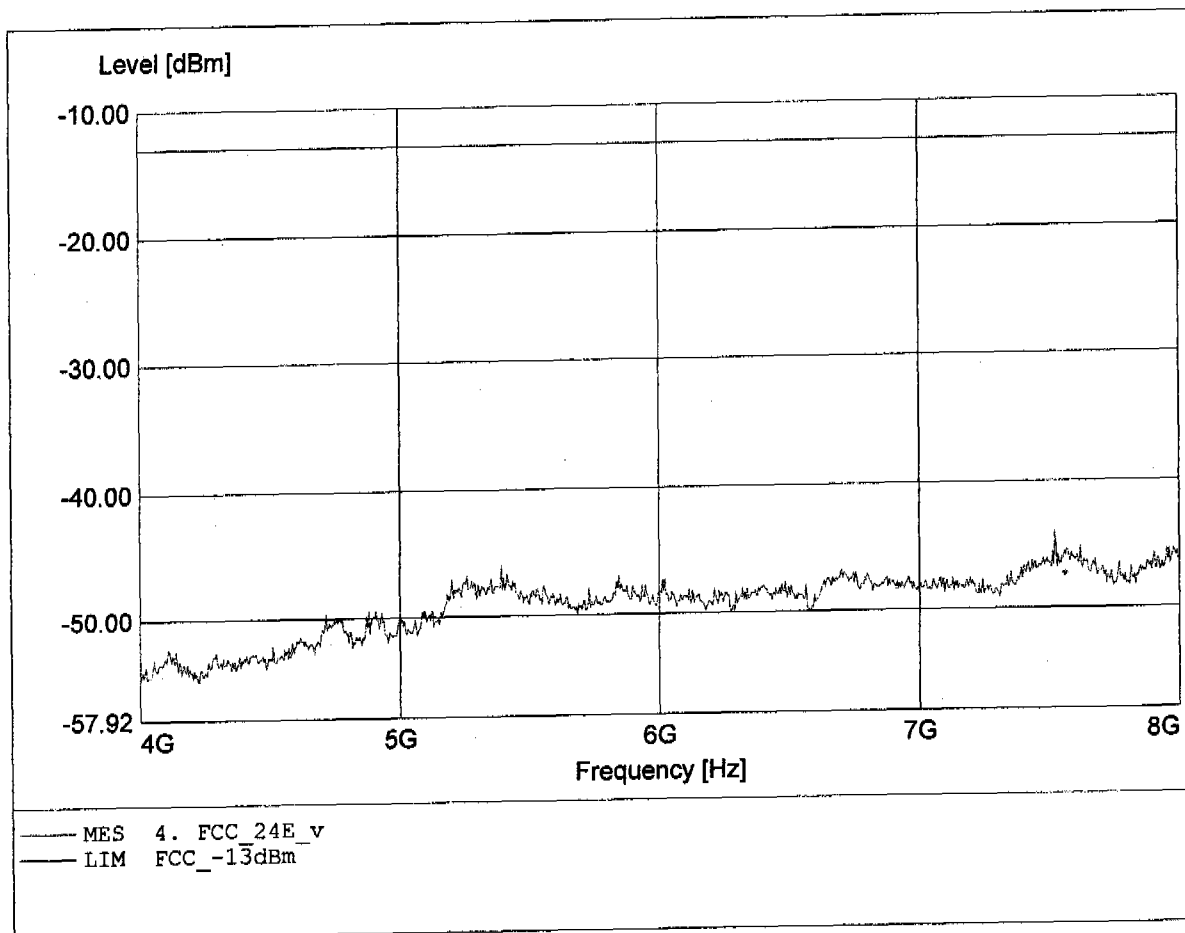
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.965GHz, Pmax: -21.39dBm, RBW: 1MHz/3kHz



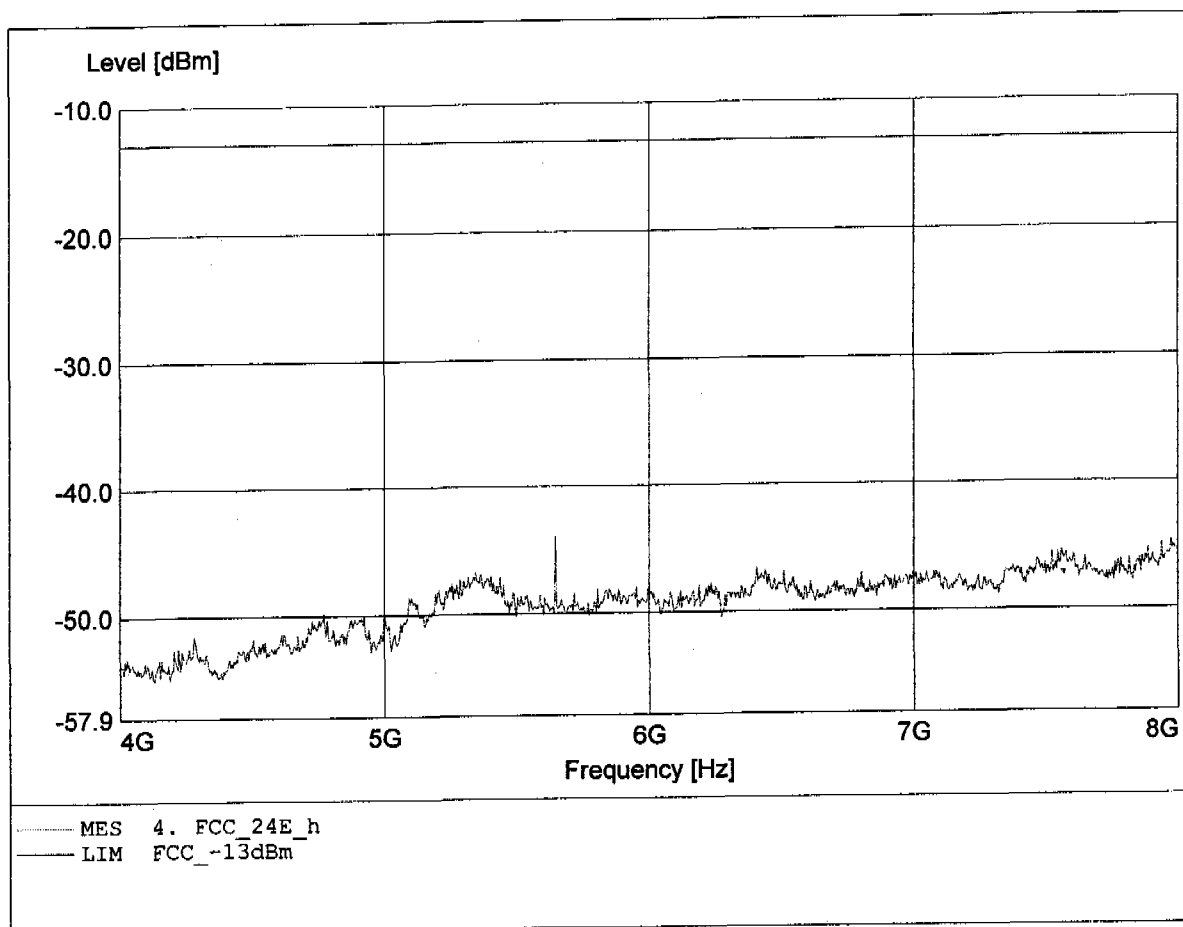
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**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: GS10 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.520GHz, Pmax: -43.96dBm, RBW: 1MHz



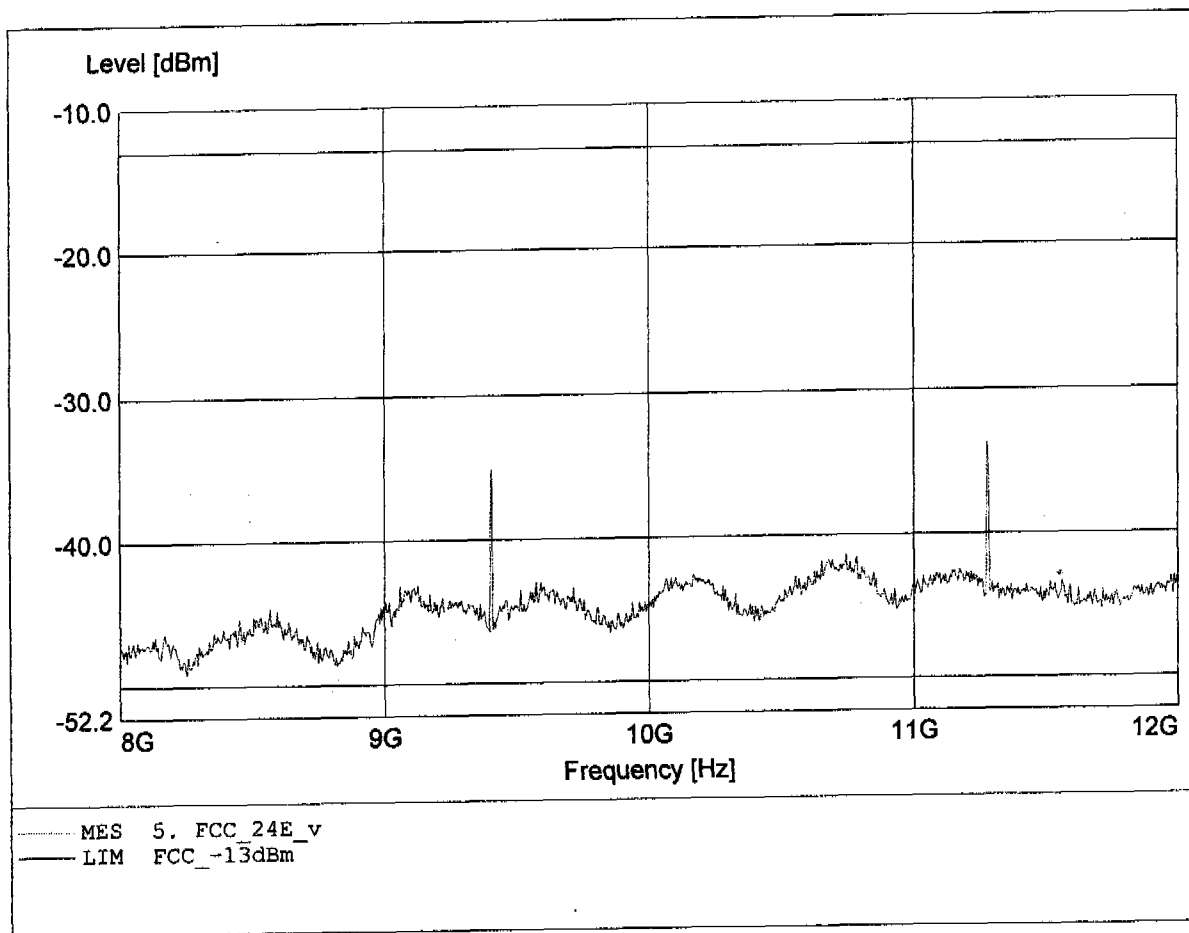
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.644GHz, Pmax: -43.93dBm, RBW: 1MHz



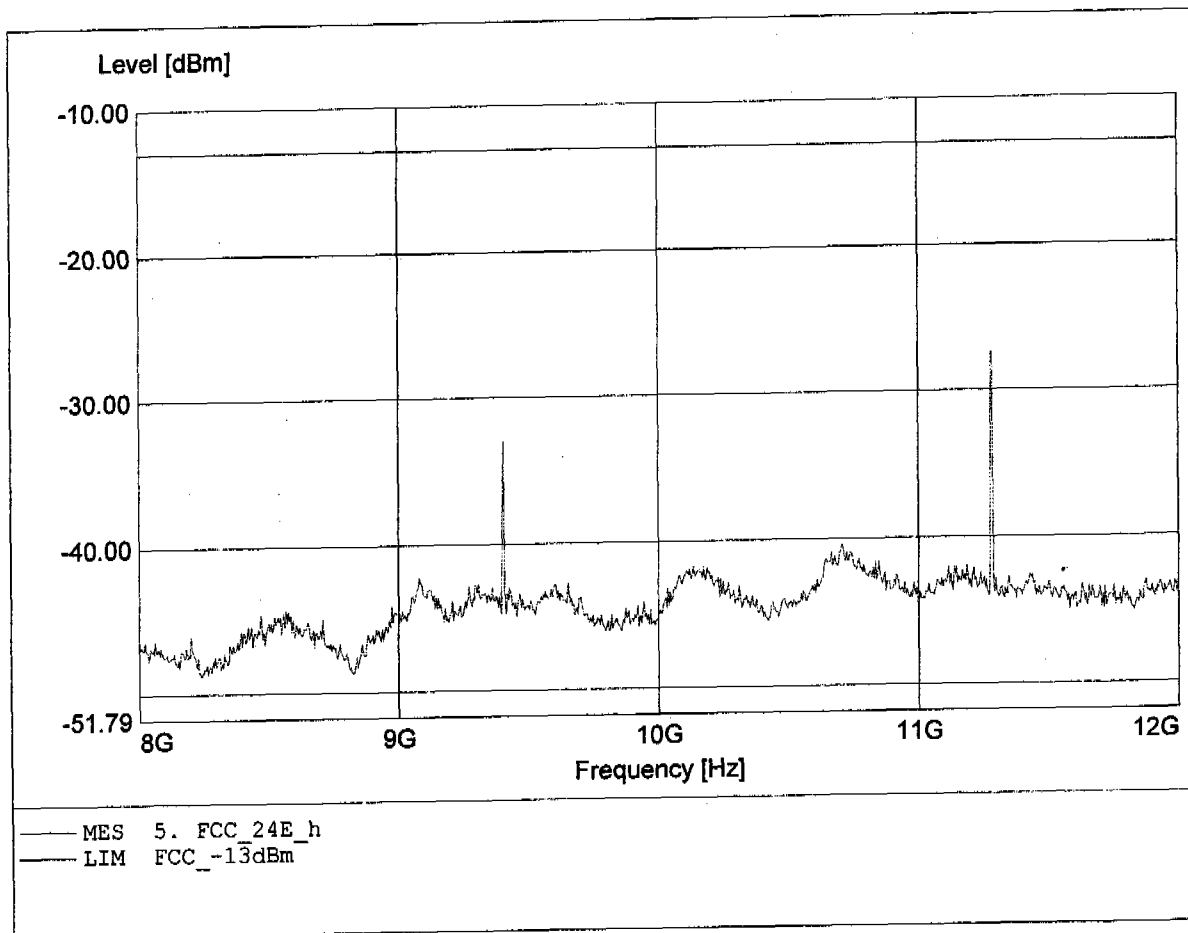
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**FCC RULES PART 24 SUBPART E**

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Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.280GHz, Pmax: -33.64dBm, RBW: 1MHz



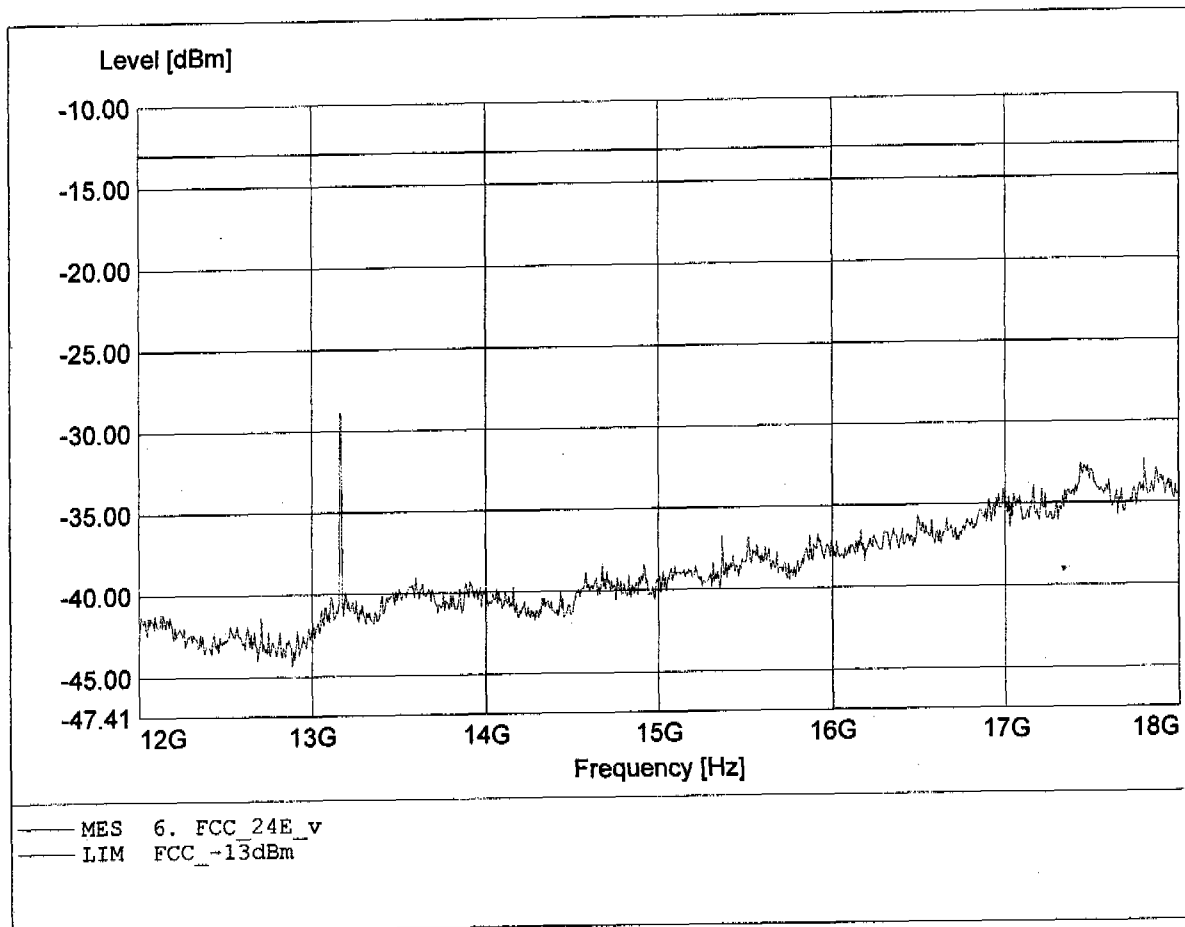
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**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.284GHz, Pmax: -27.38dBm, RBW: 1MHz



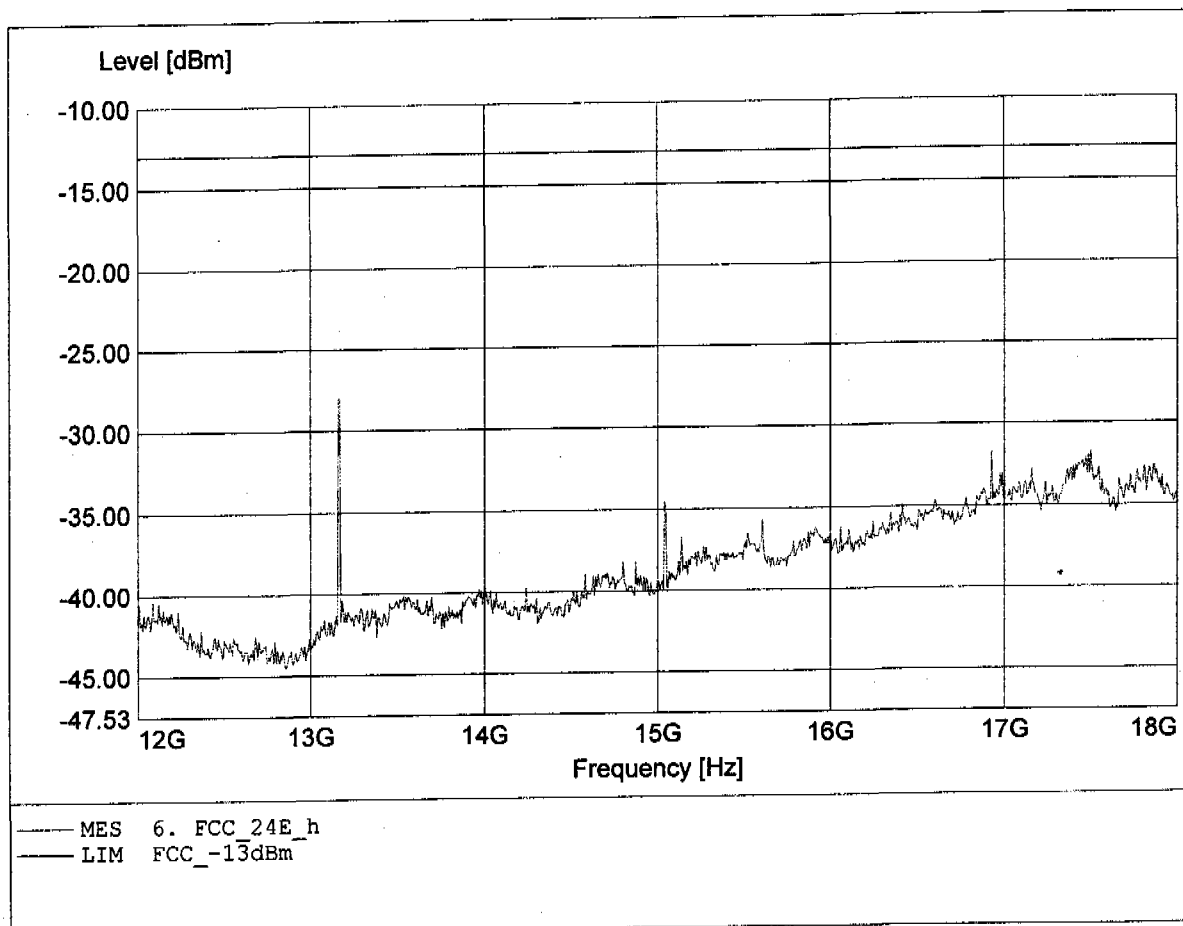
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 13.160GHz, Pmax: -28.85dBm, RBW: 1MHz



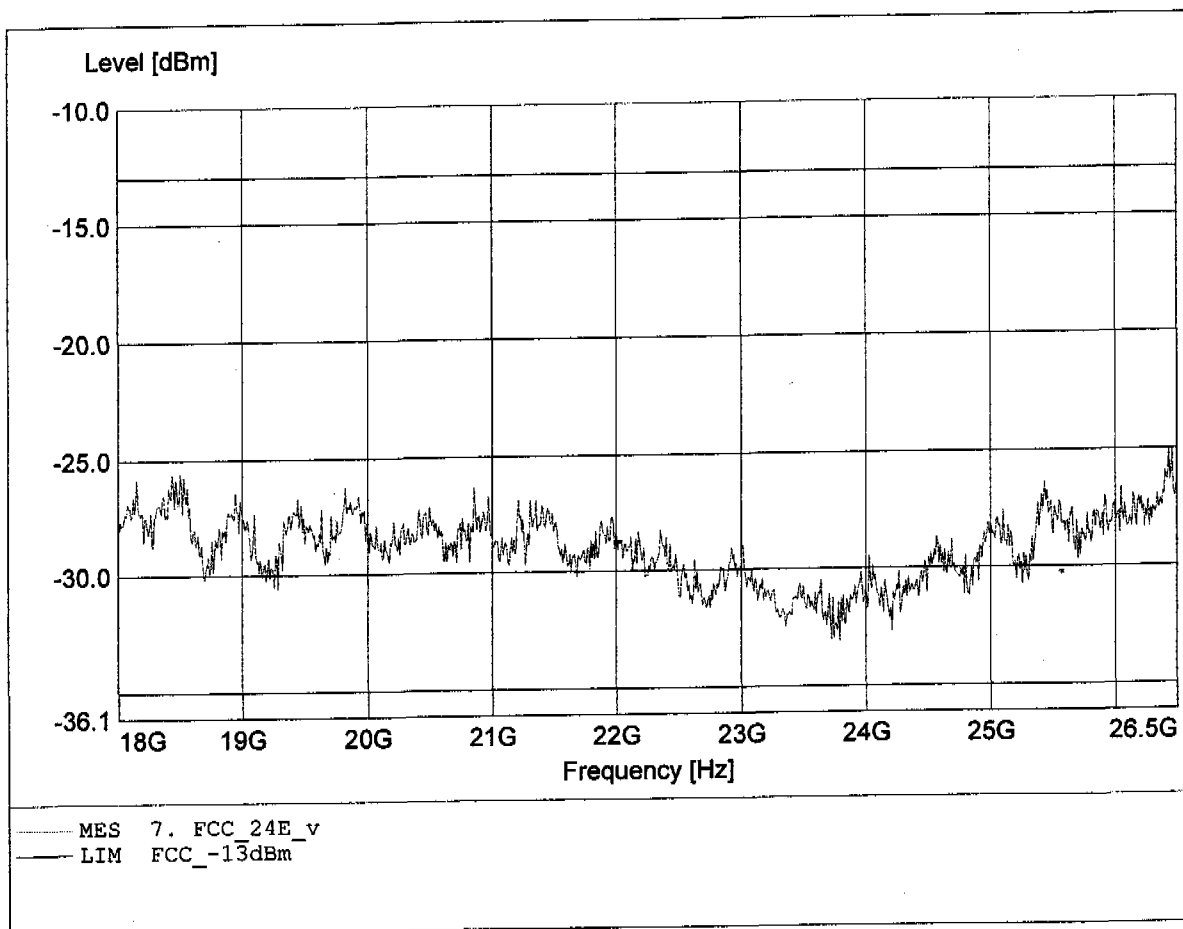
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 13.167GHz, Pmax: -28.03dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

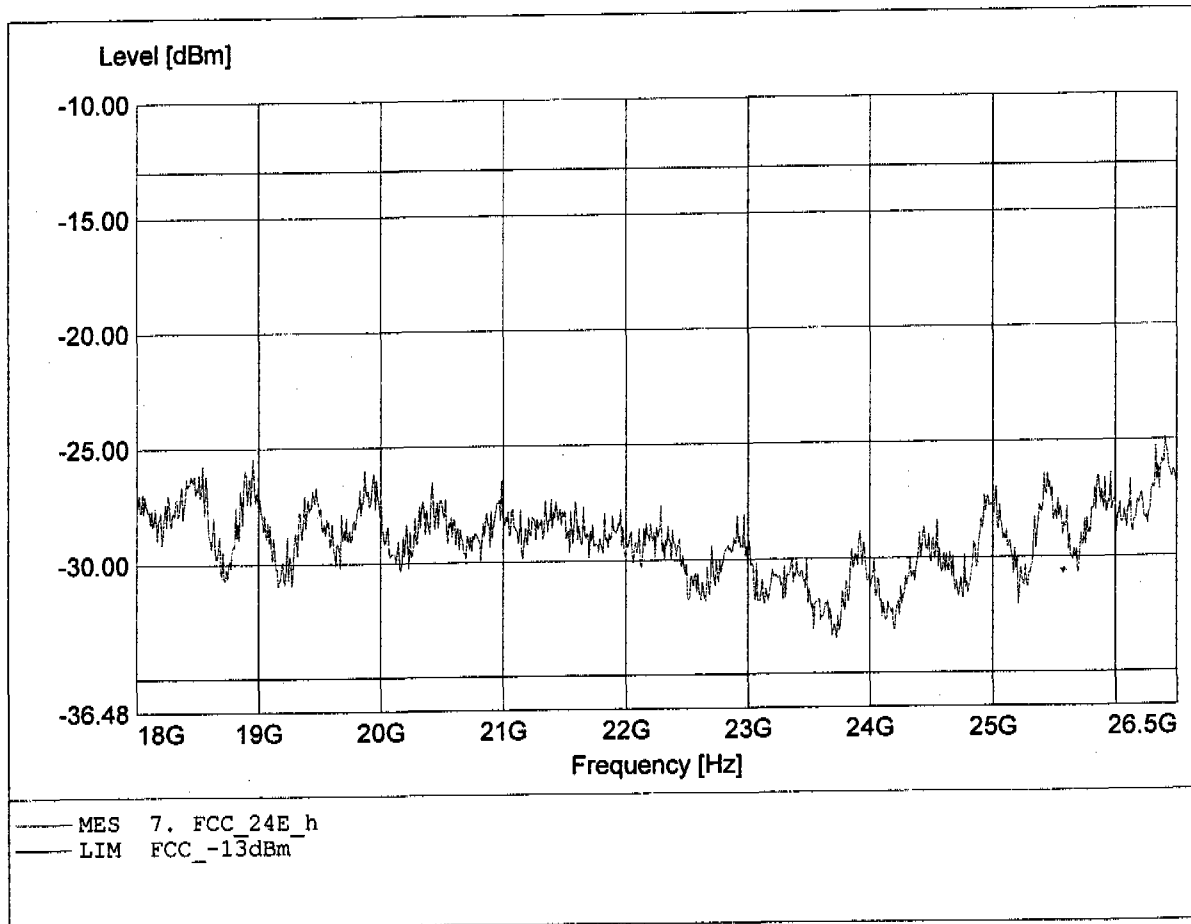
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Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.462GHz, Pmax: -25.04dBm, RBW: 1MHz





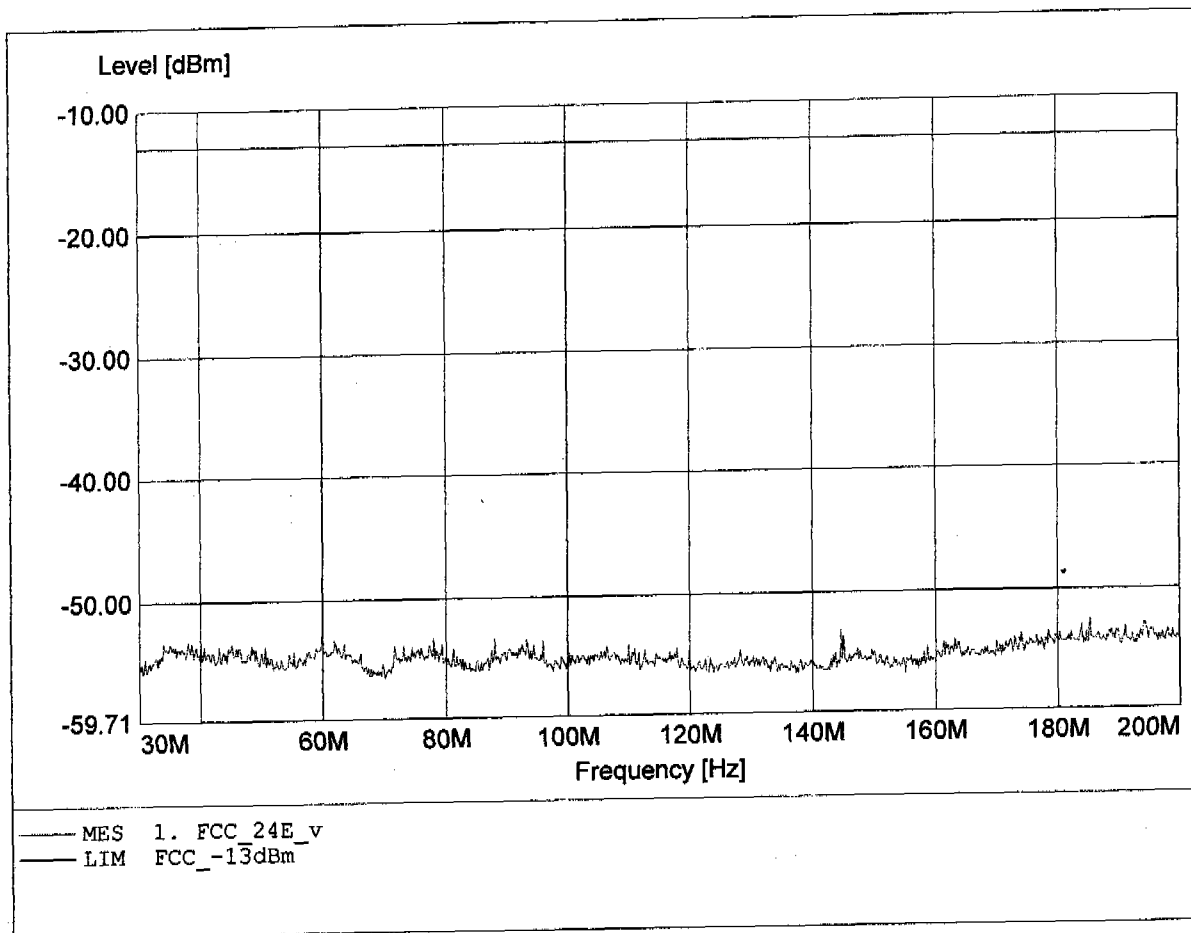
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 661  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.406GHz, Pmax: -24.92dBm, RBW: 1MHz



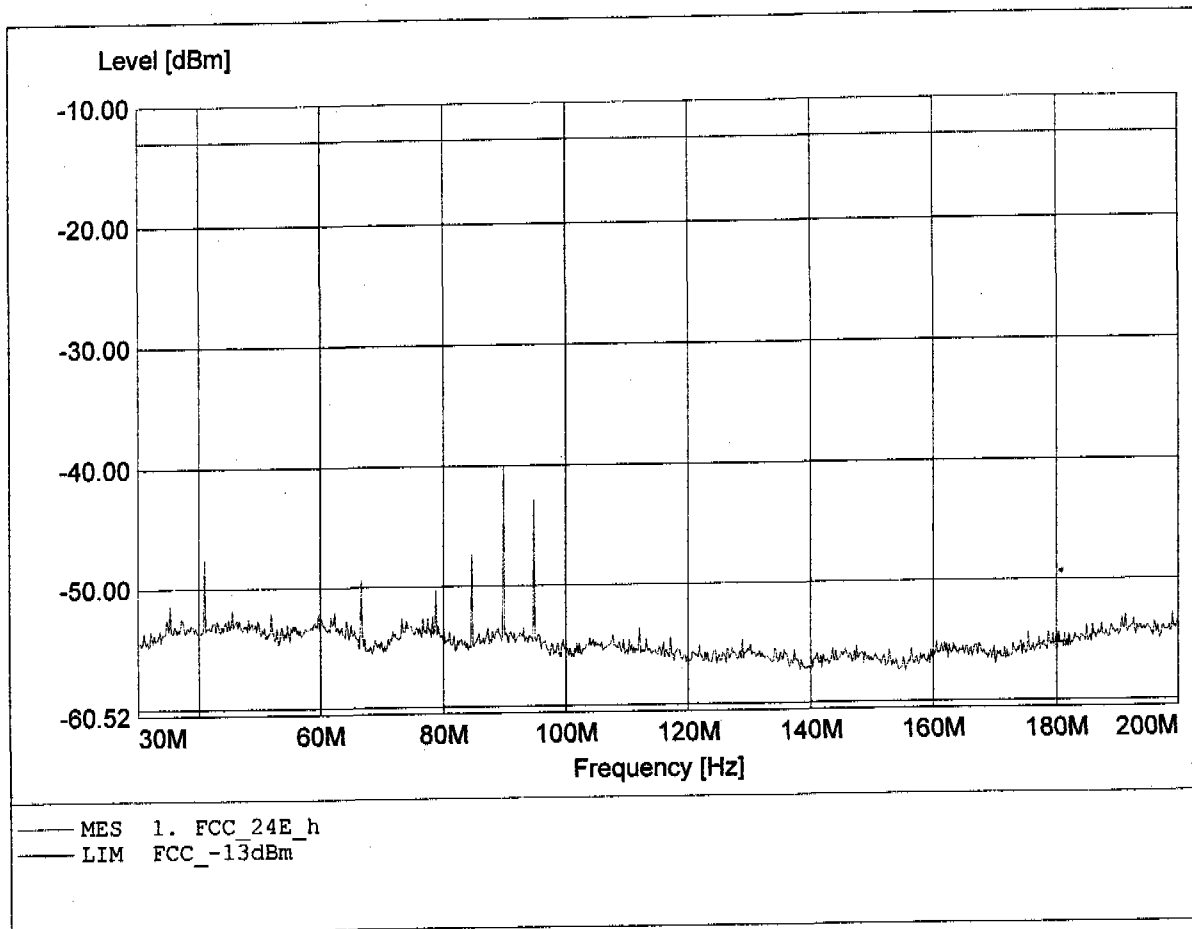
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 185.267MHz, Pmax: -52.35dBm, RBW: 1MHz



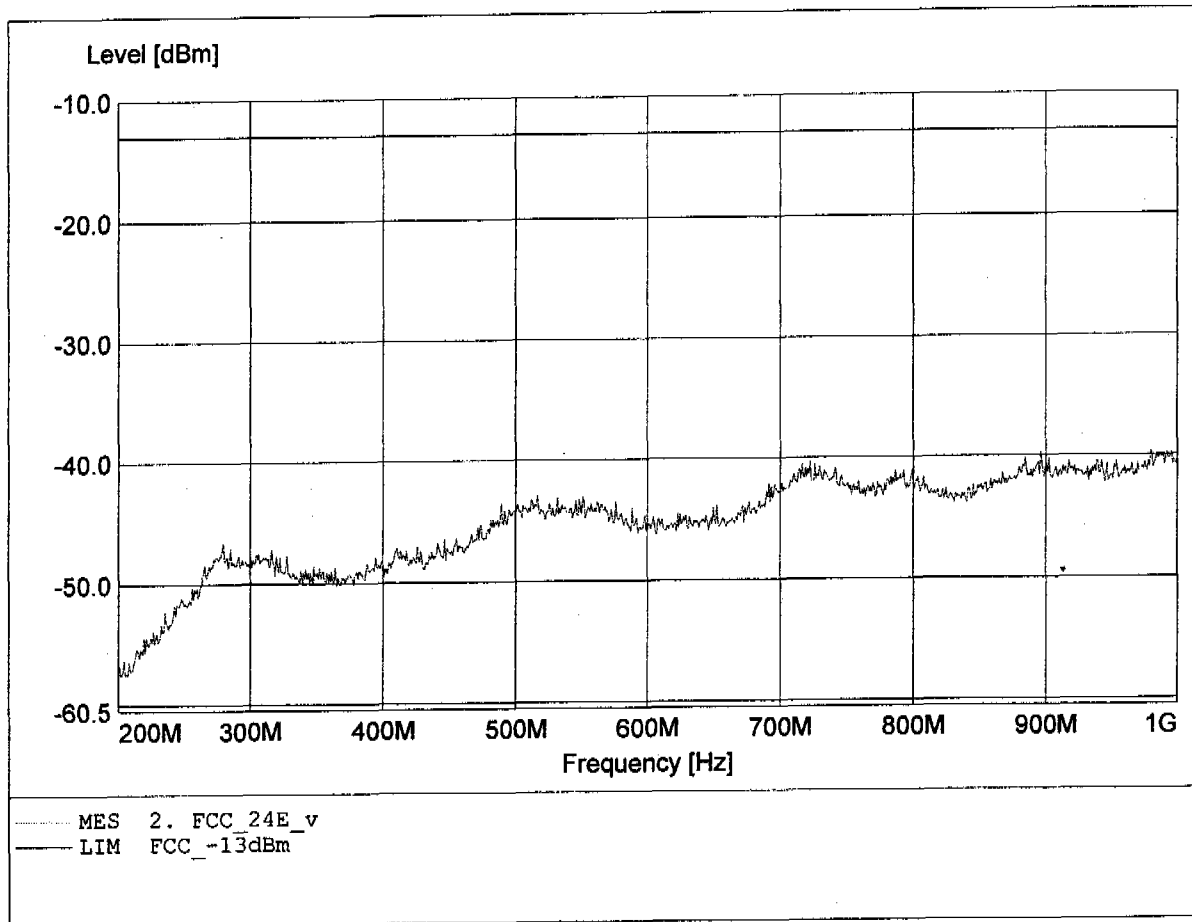
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 89.878MHz, Pmax: -39.93dBm, RBW: 1MHz



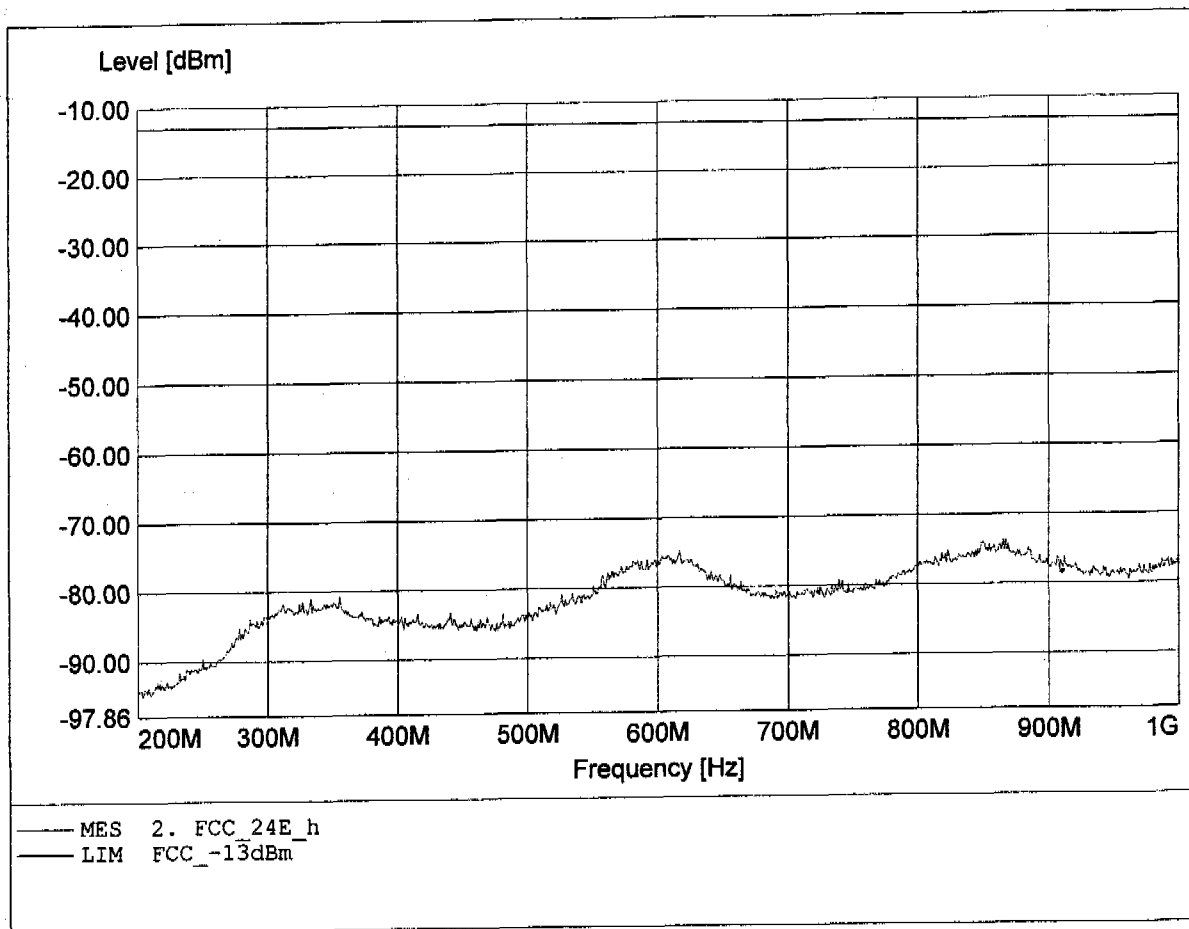
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 979.556MHz, Pmax: -39.66dBm, RBW: 1MHz



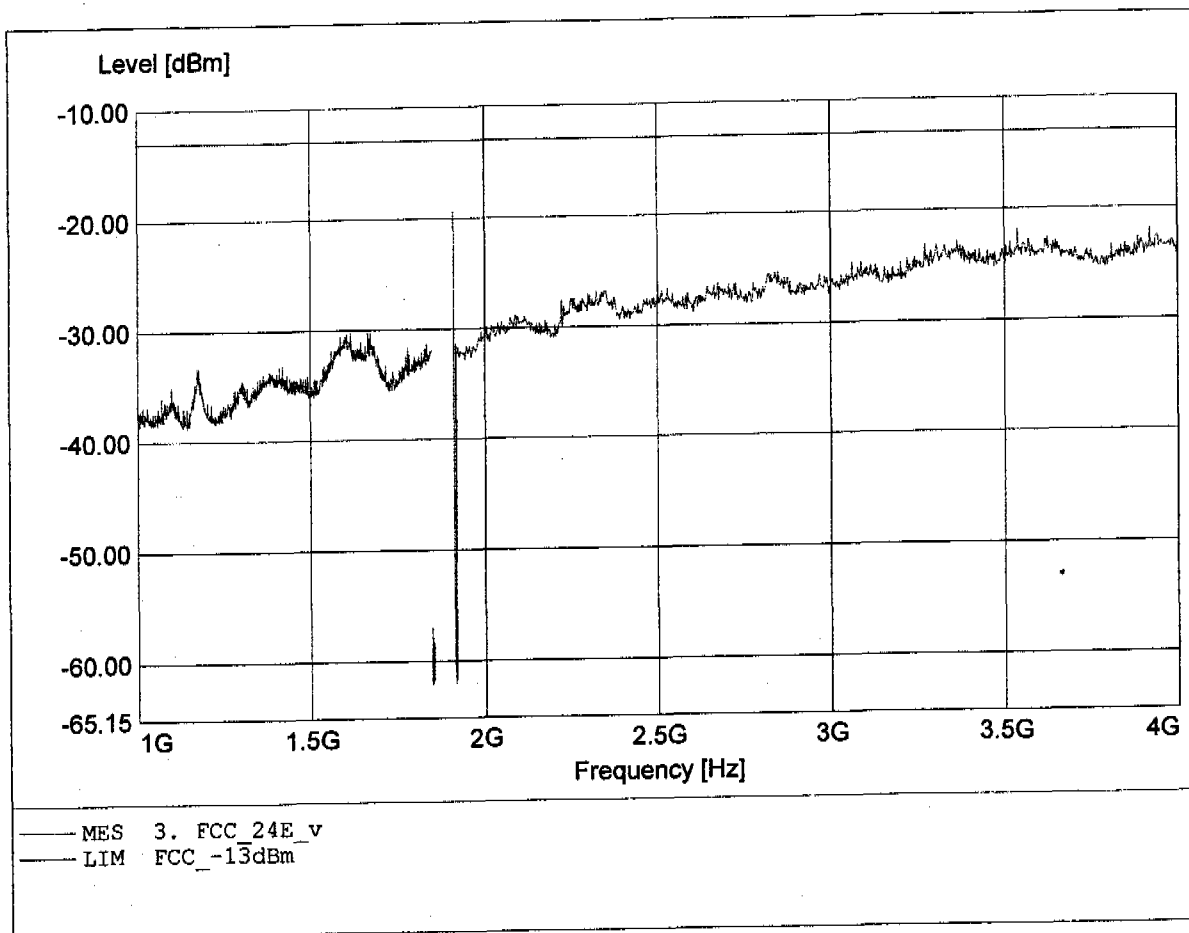
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 865.778MHz, Pmax: -73.64dBm, RBW: 1MHz



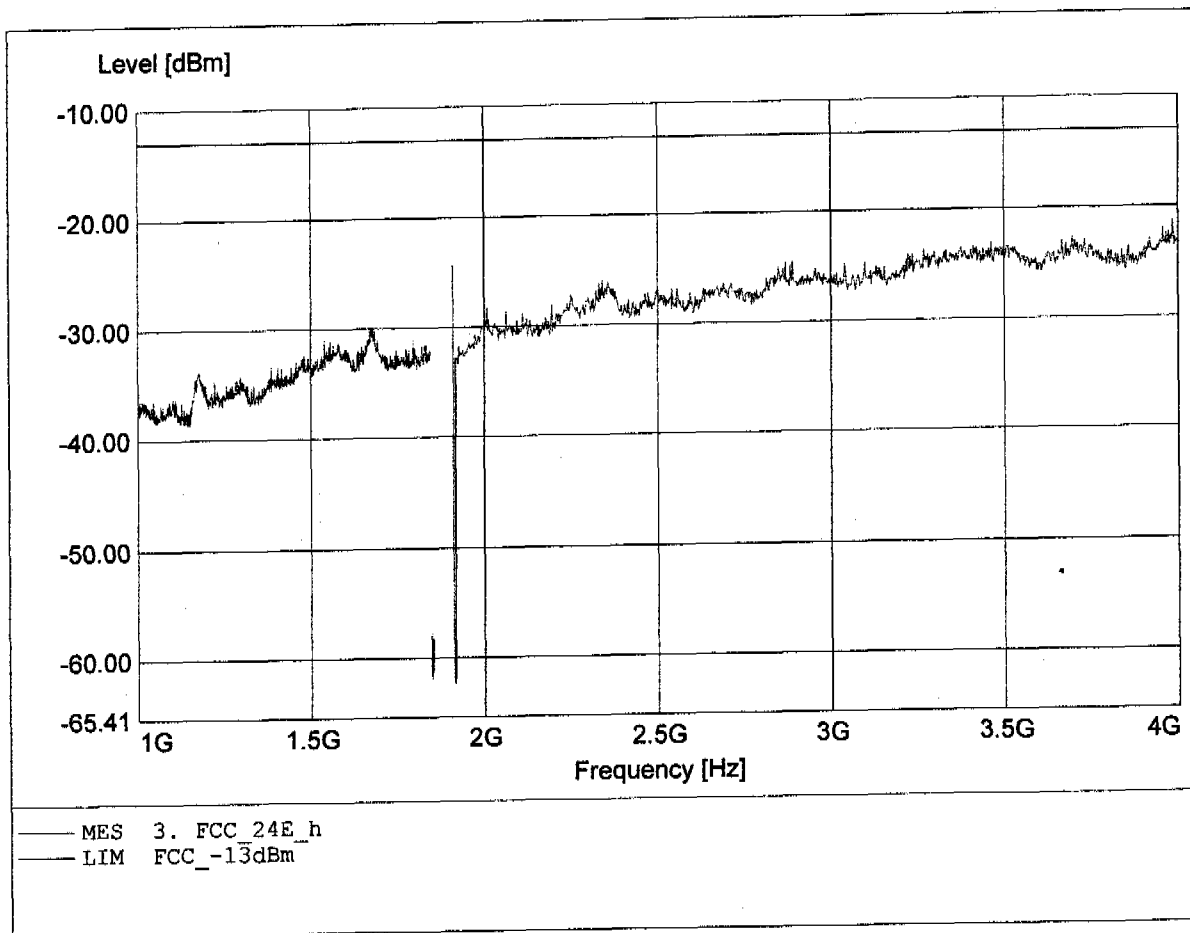
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 1.910GHz, Pmax: -19.34dBm, RBW: 1MHz/3kHz



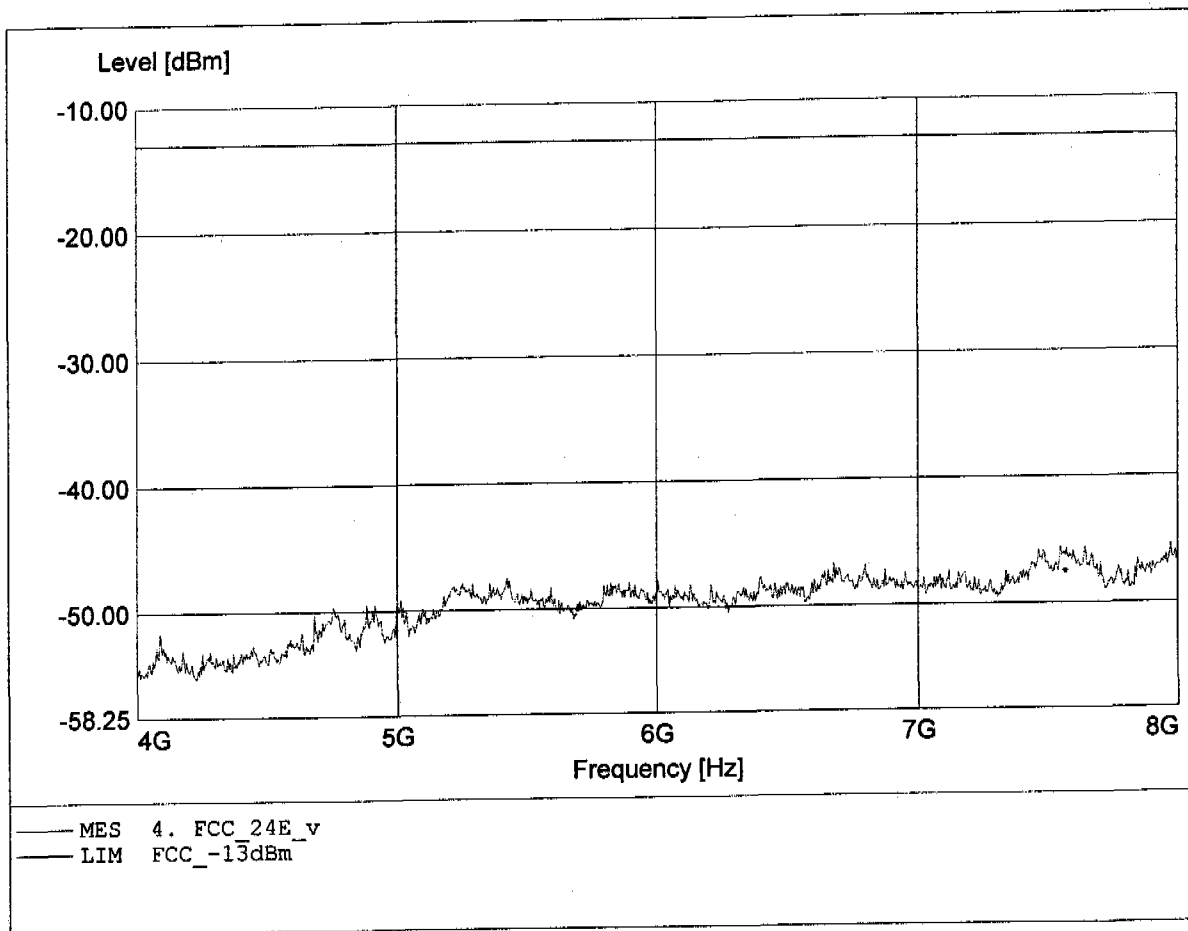
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. M. Kramer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.984GHz, Pmax: -21.29dBm, RBW: 1MHz/3kHz



**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

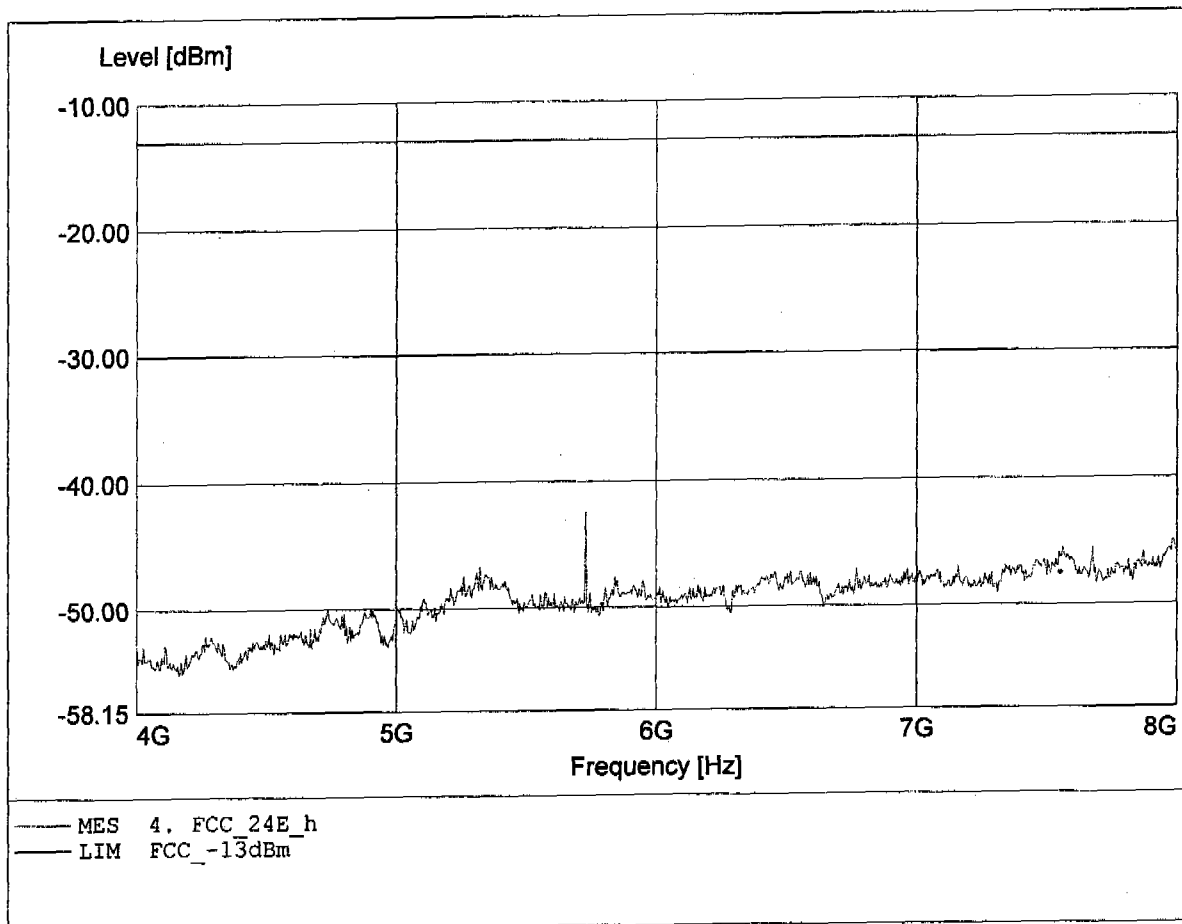
EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.973GHz, Pmax: -45.38dBm, RBW: 1MHz





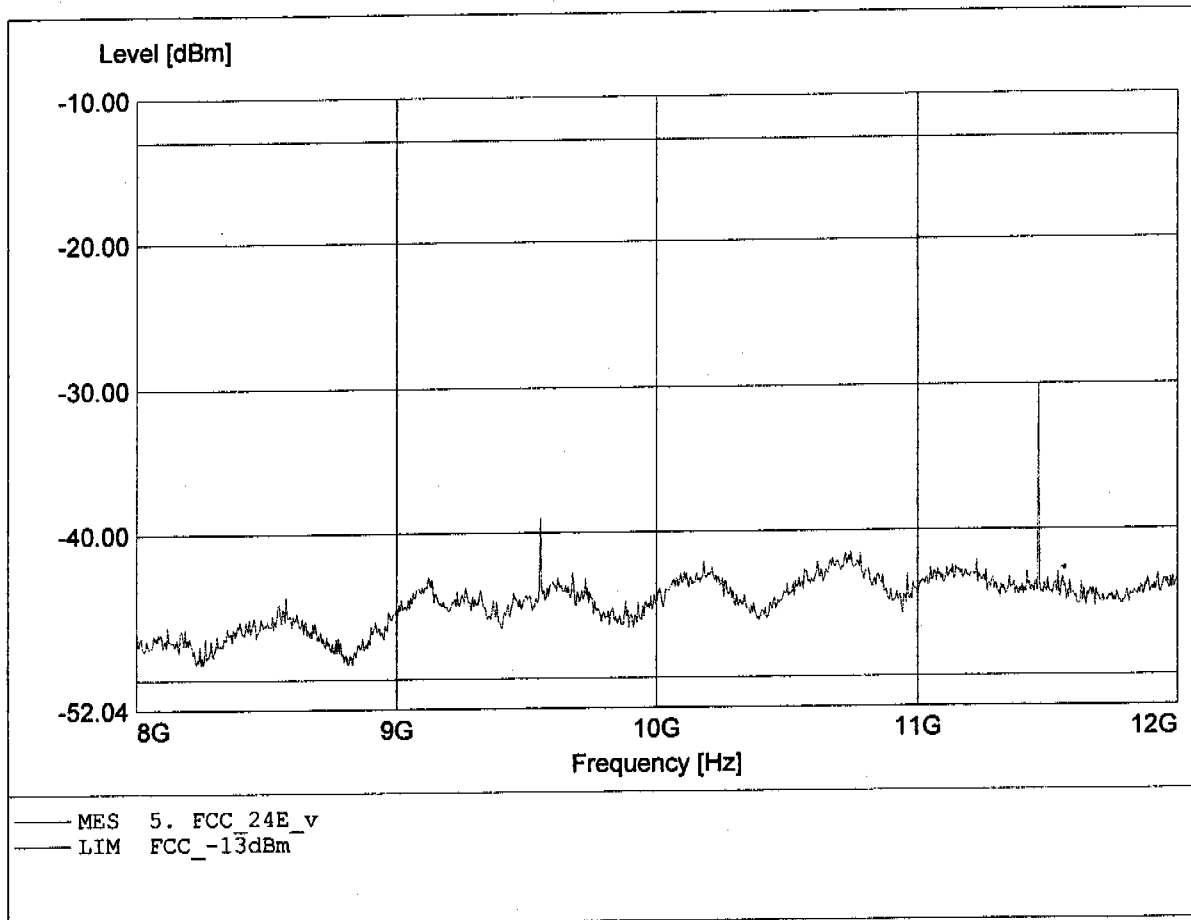
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.729GHz, Pmax: -42.36dBm, RBW: 1MHz



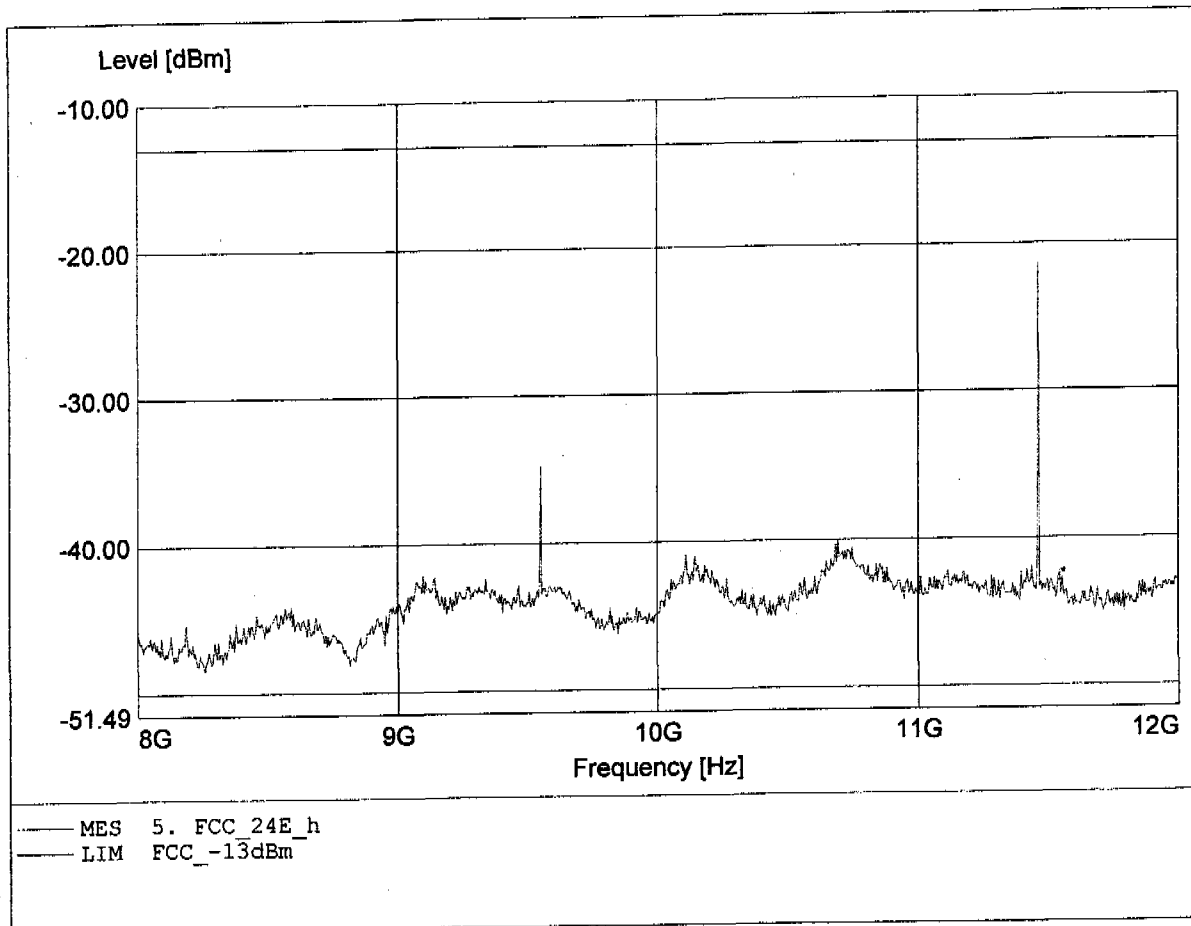
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.462GHz, Pmax: -30.02dBm, RBW: 1MHz



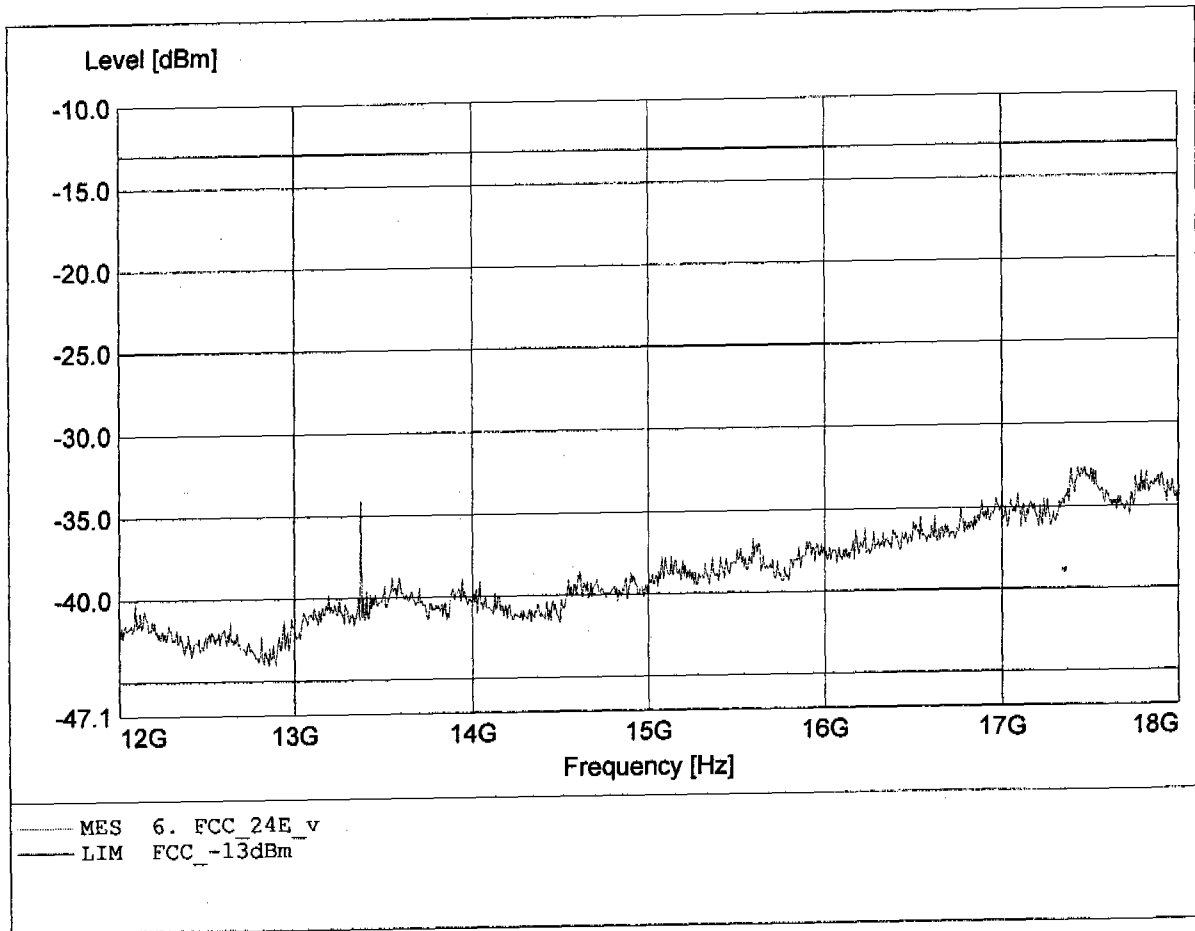
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**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.462GHz, Pmax: -21.38dBm, RBW: 1MHz



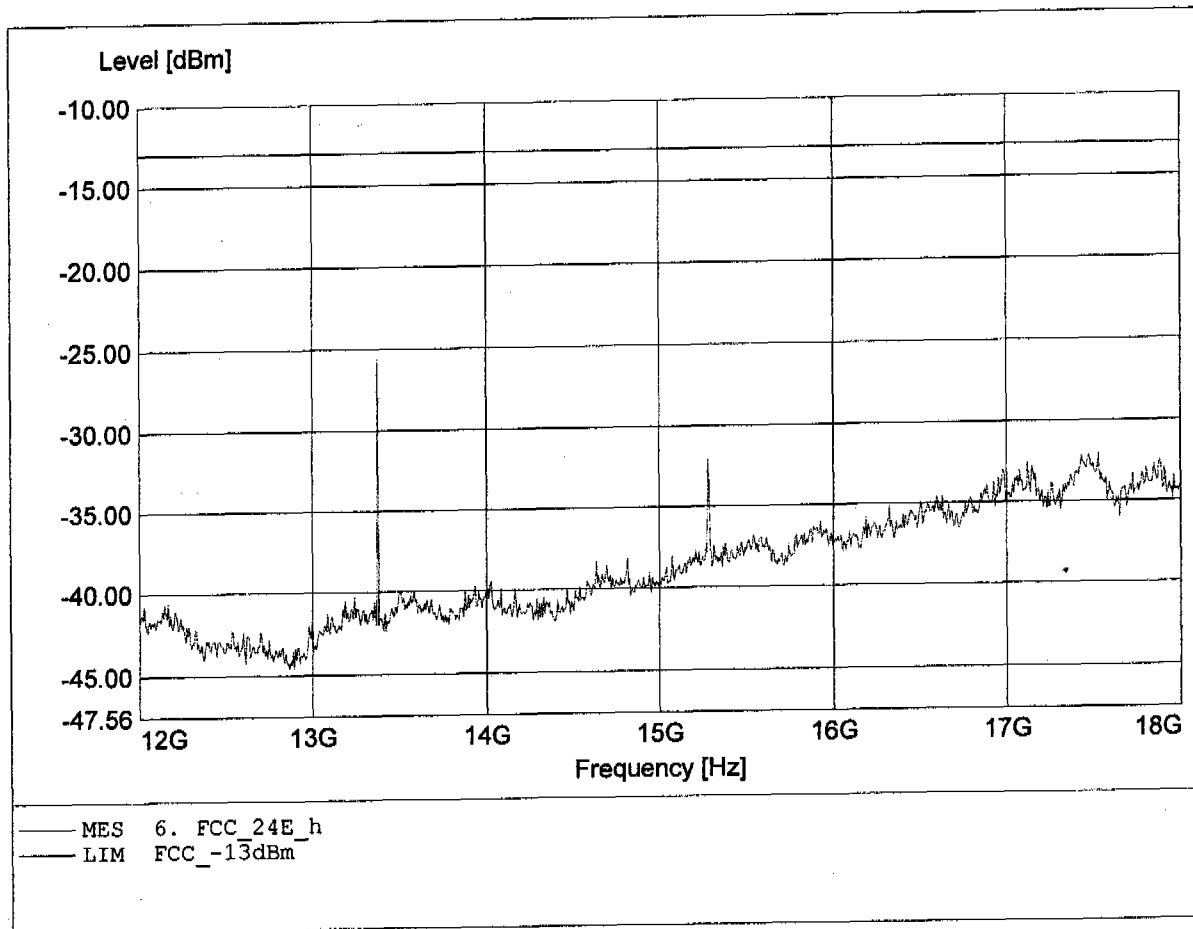
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.467GHz, Pmax: -32.60dBm, RBW: 1MHz



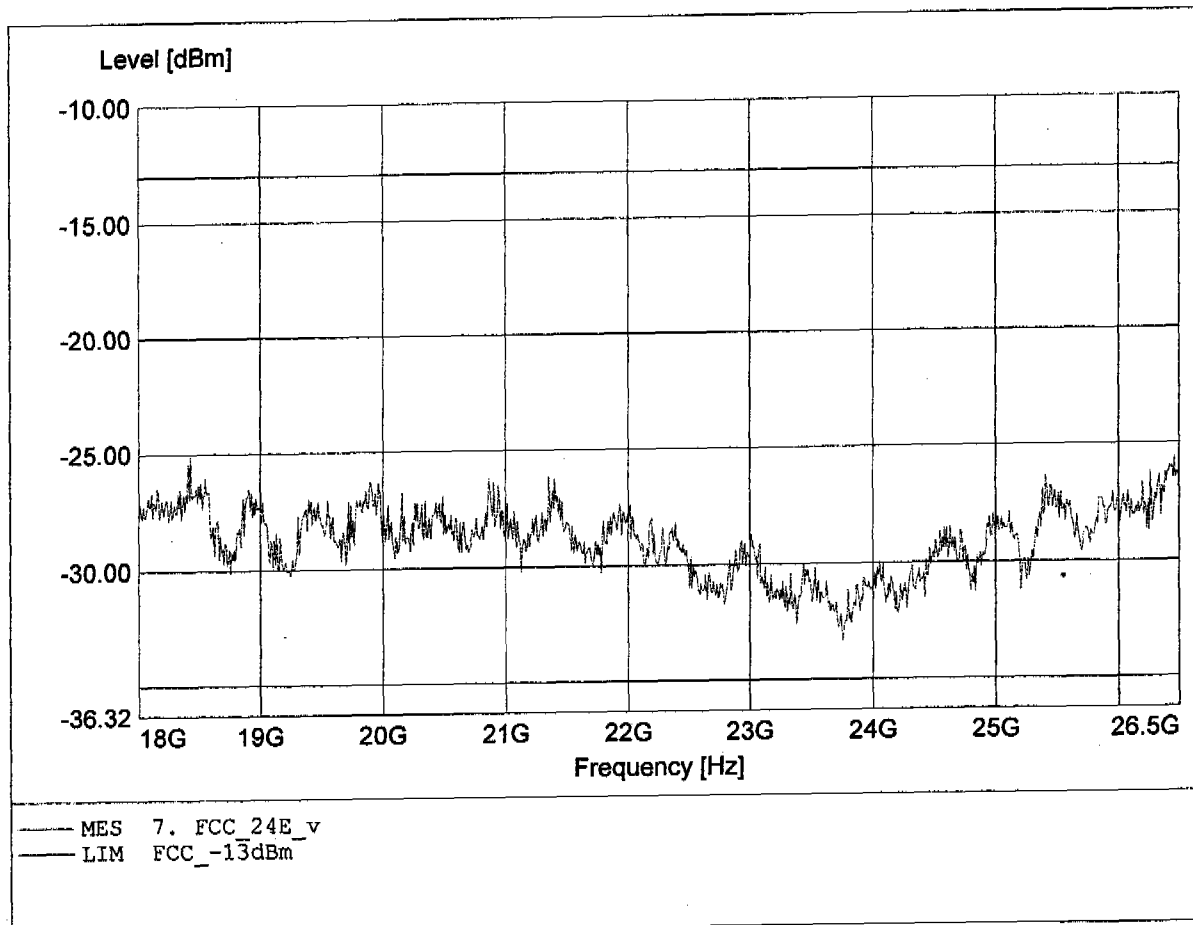
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 13.373GHz, Pmax: -25.58dBm, RBW: 1MHz



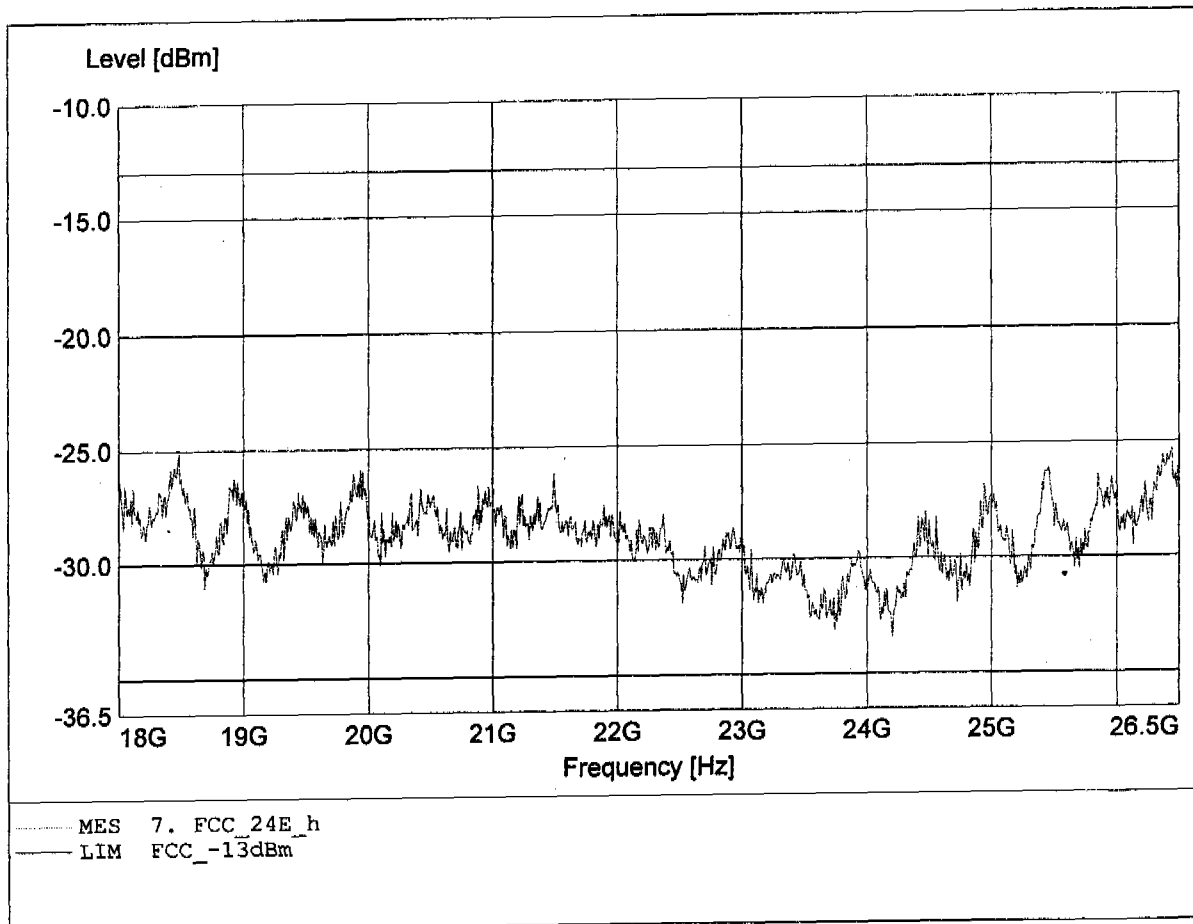
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 18.425GHz, Pmax: -25.11dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT: Dual Band GSM 900(E-GSM)/PCS 1900 (with WAP & GPRS)  
Model / Channel: G510 // 810  
Approval Holder: Pantech co., Ltd.  
Test Site / Operator: ETS / Mr. Pfeufer  
Temperature/ Voltage: 23°C / Unom : 4,2 VDC  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 18.482GHz, Pmax: -25.10dBm, RBW: 1MHz



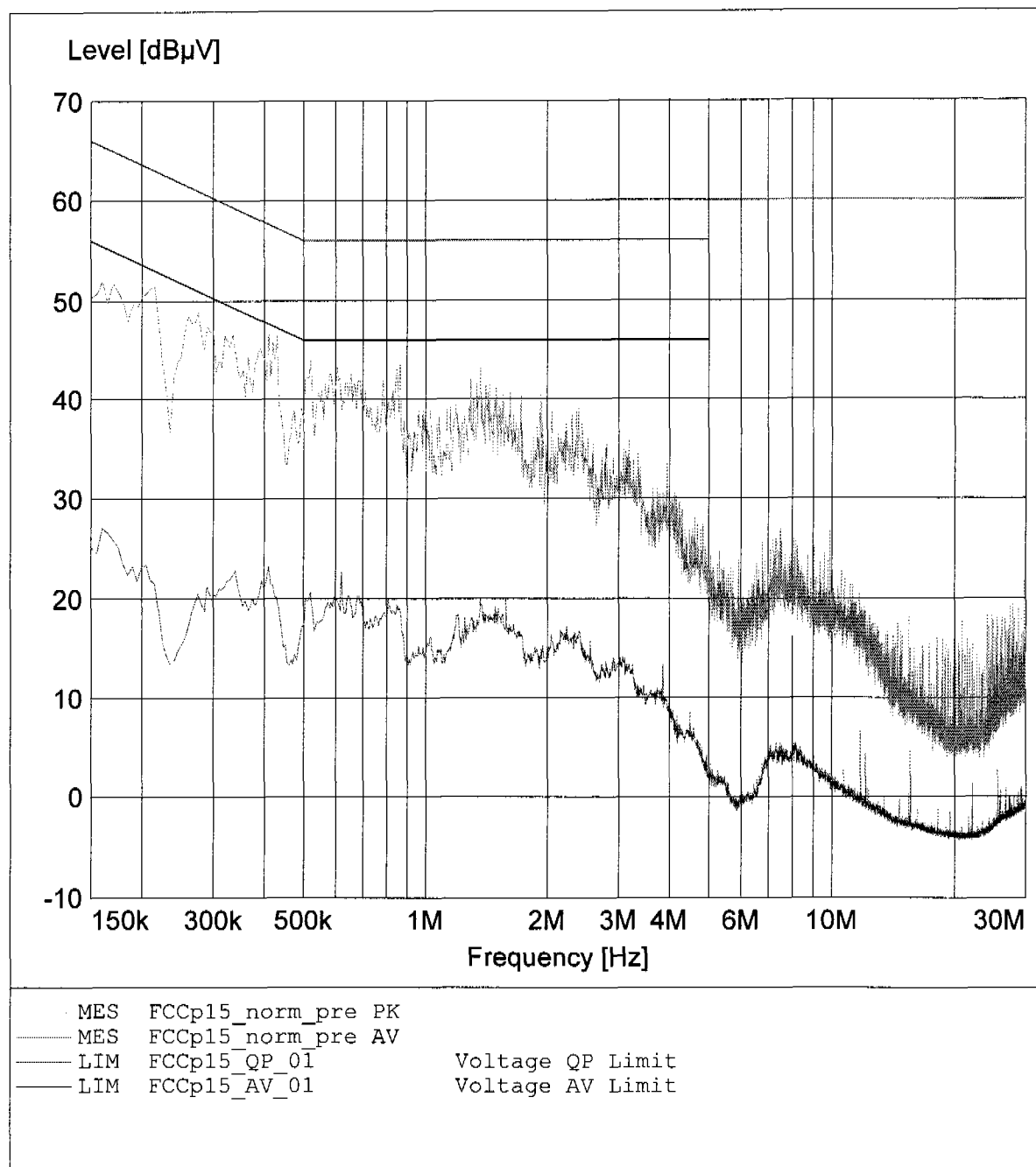
## Appendix F

### Line Conducted Emissions



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

EUT: Dual Band GSM 900 (E-GSM)/PCS 1900 (with WAP & GPRS)  
Manufacturer: Pantech Co., Ltd.  
Operating Condition: Unom: 120VAC(AC/DC-adapter), Tnom: 23°C  
Test Site: ETS  
Operator: Mr. Pflug  
Test Specification: V-Network: ESH2-Z5  
Comment: model: G510 mode: charging



## Appendix G

### Frequency Stability vs. Temperature

No diagrams  
Refer to point 9.2

## Appendix H

### Frequency Stability vs. Voltage

No diagrams  
Refer to point 10.2