

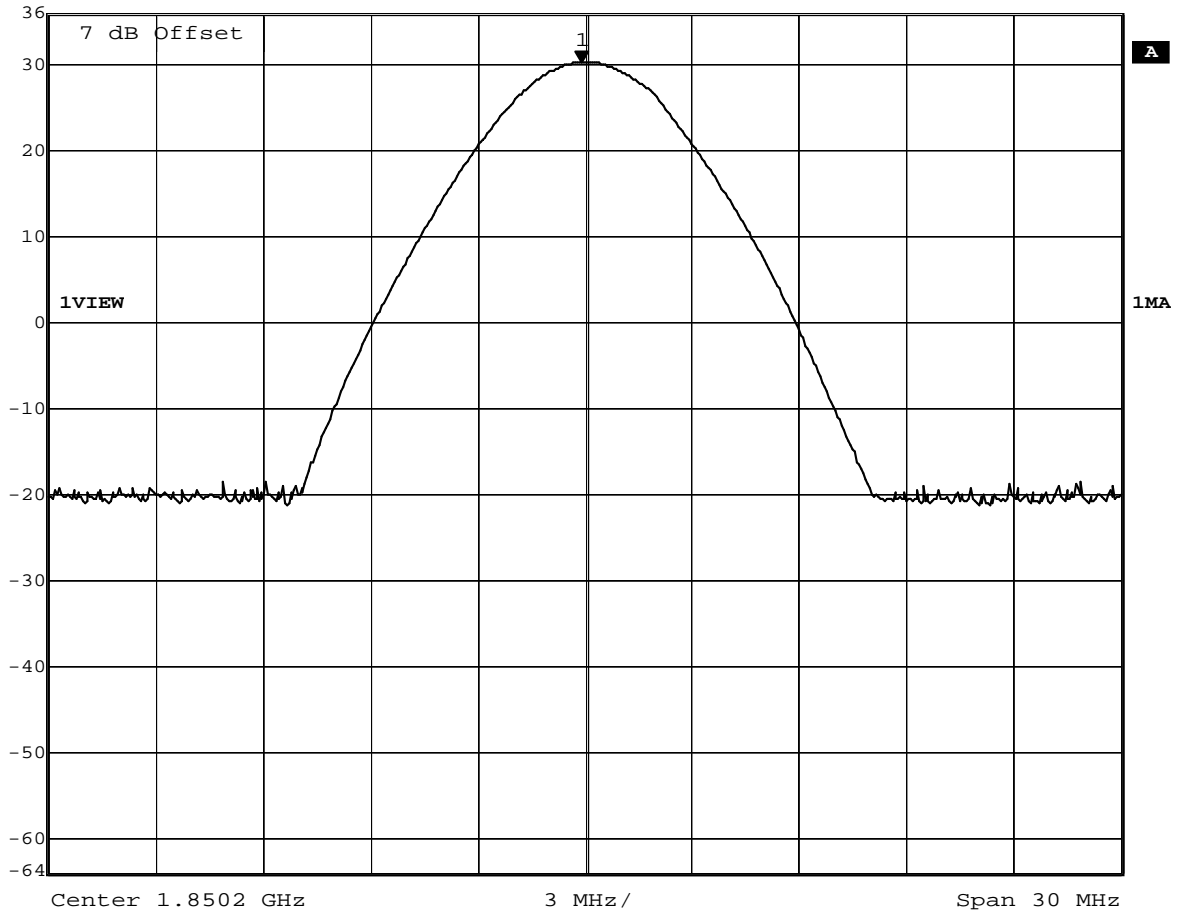


## Appendix B

RF Power Output



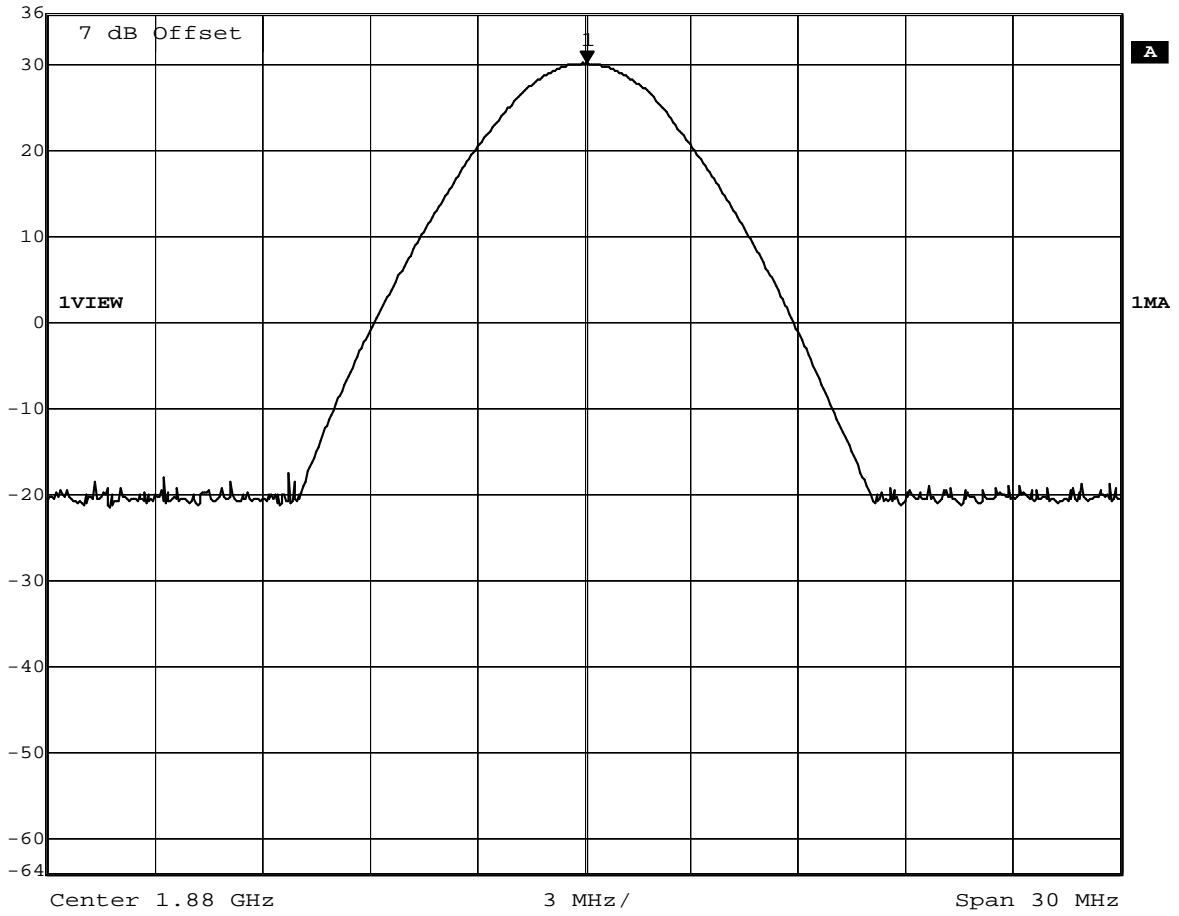
Marker 1 [T1] RBW 3 MHz RF Att 50 dB  
Ref Lvl 30.10 dBm VBW 3 MHz  
36 dBm 1.85010982 GHz SWT 5 ms Unit dBm



Title: Output power conducted / Channel: 512  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:06:38



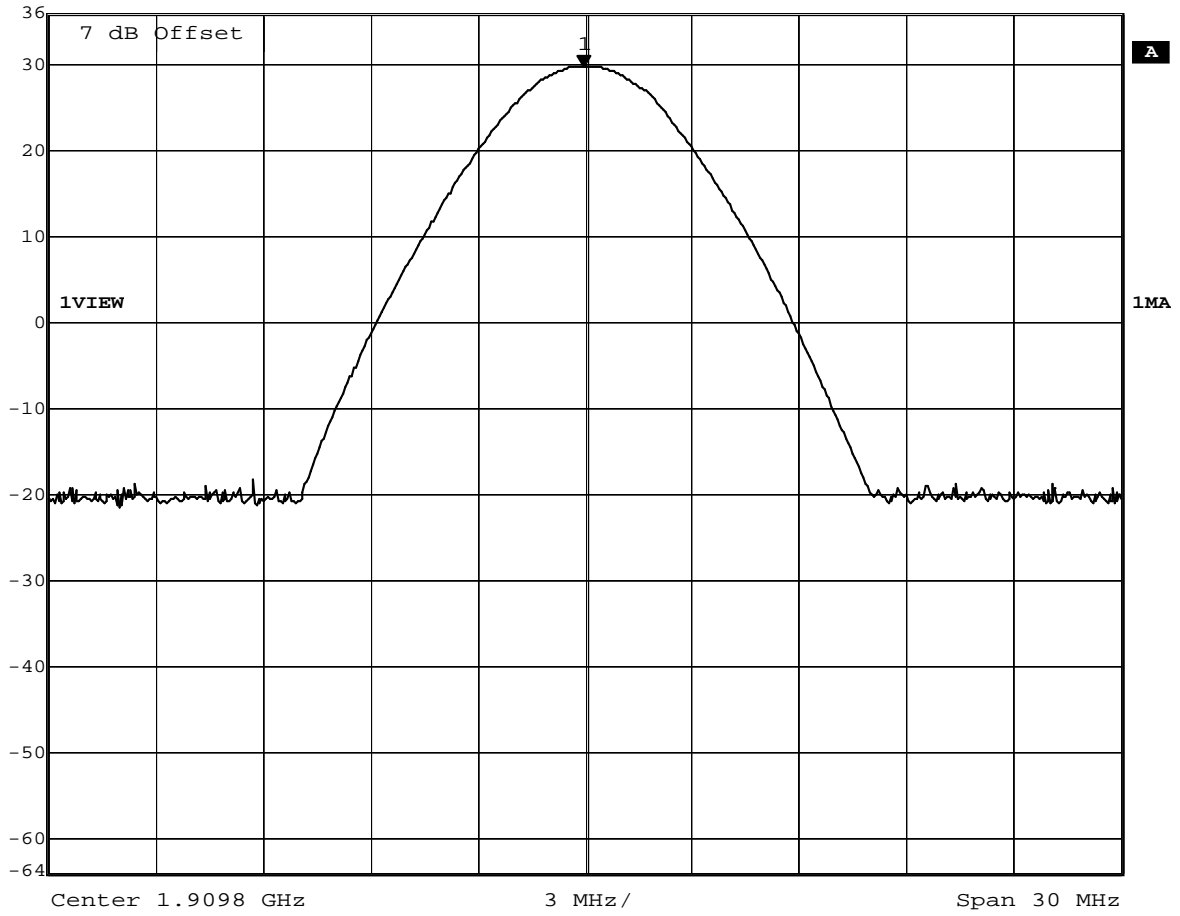
Marker 1 [T1]	RBW	3 MHz	RF Att	50 dB	
Ref Lvl	30.02 dBm	VBW	3 MHz		
36 dBm	1.88009018 GHz	SWT	5 ms	Unit	dBm



Title: Output power conducted / Channel: 661  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:07:44



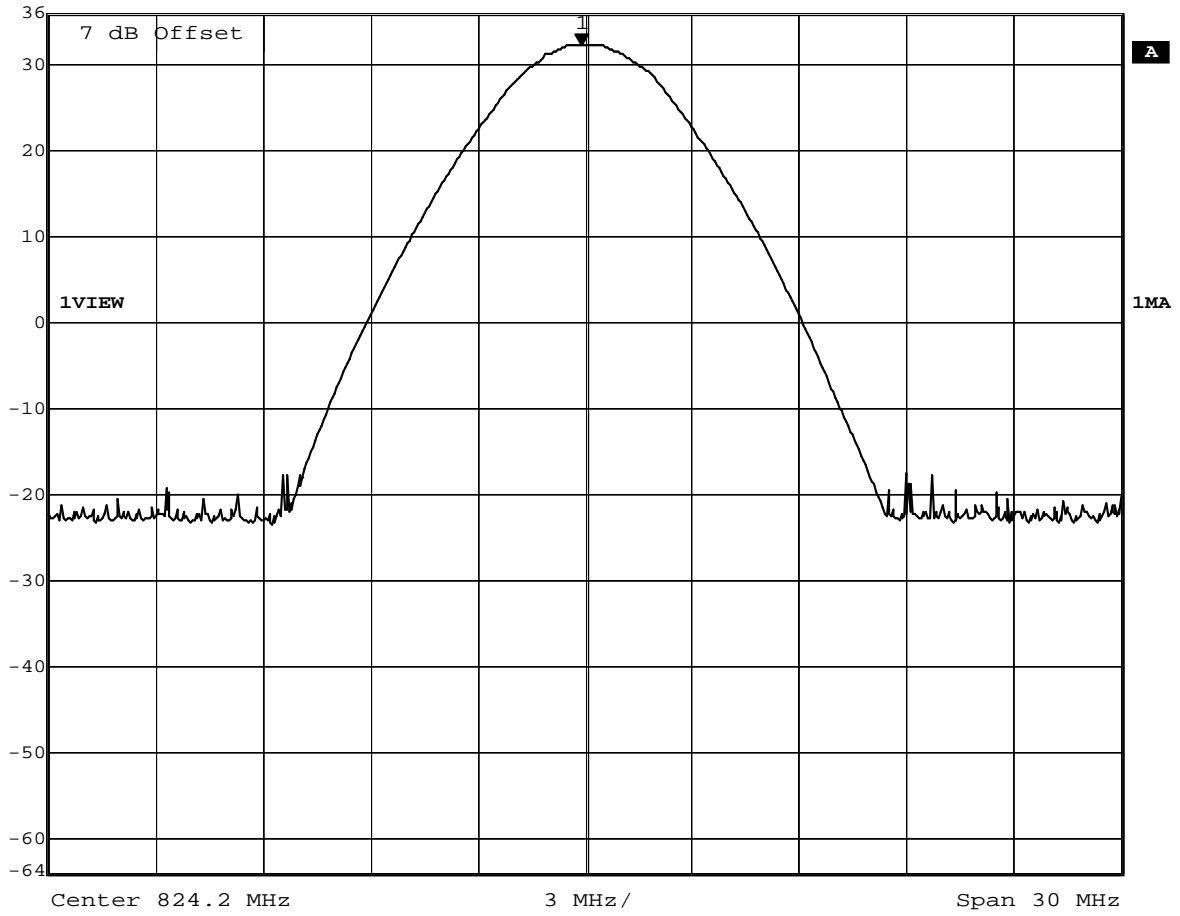
Marker 1 [T1]	RBW	3 MHz	RF Att	50 dB
Ref Lvl	29.69 dBm	VBW	3 MHz	
36 dBm	1.90976994 GHz	SWT	5 ms	Unit dBm



Title: Output power conducted / Channel: 810  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:08:42



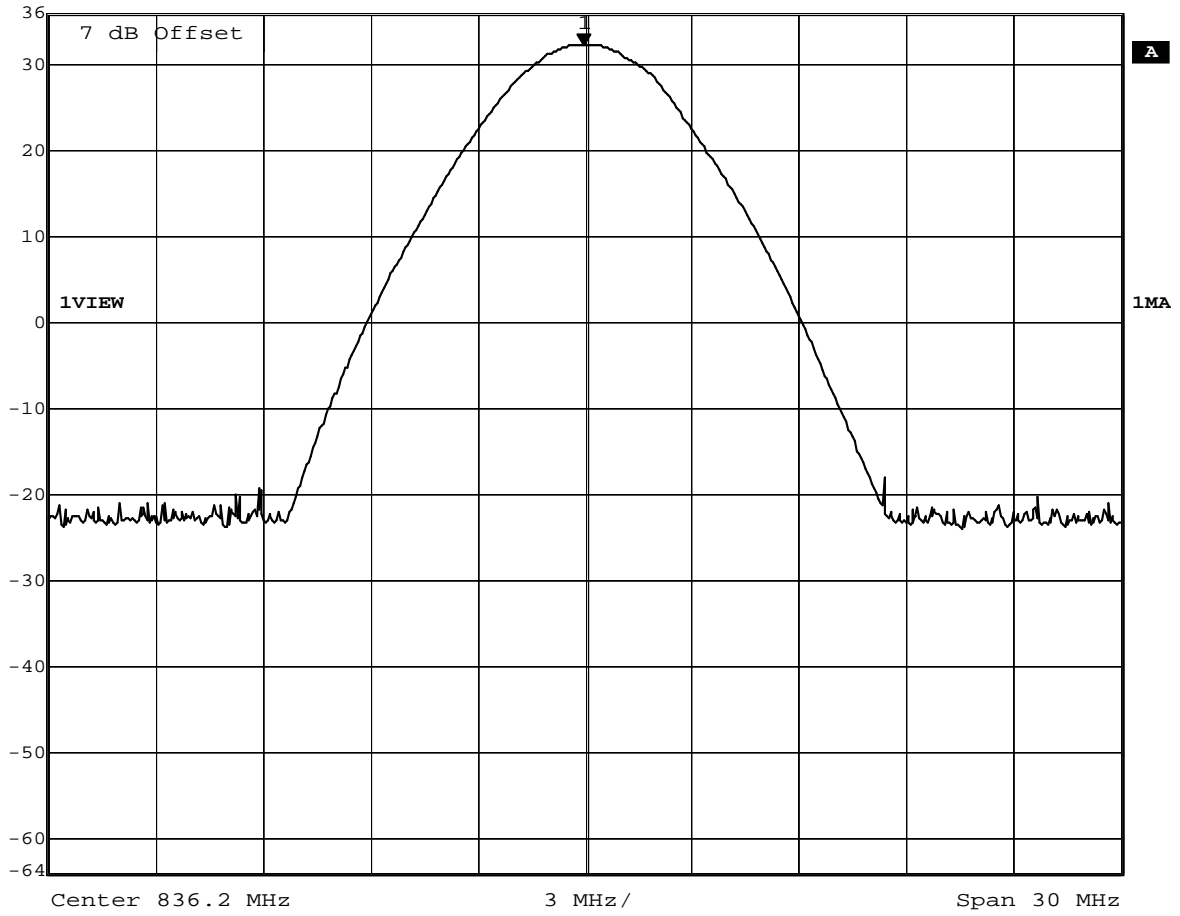
Marker 1 [T1] RBW 3 MHz RF Att 50 dB  
Ref Lvl 32.24 dBm VBW 3 MHz  
36 dBm 824.10981964 MHz SWT 5 ms Unit dBm



Title: Output power conducted / Channel: 128  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:35:53



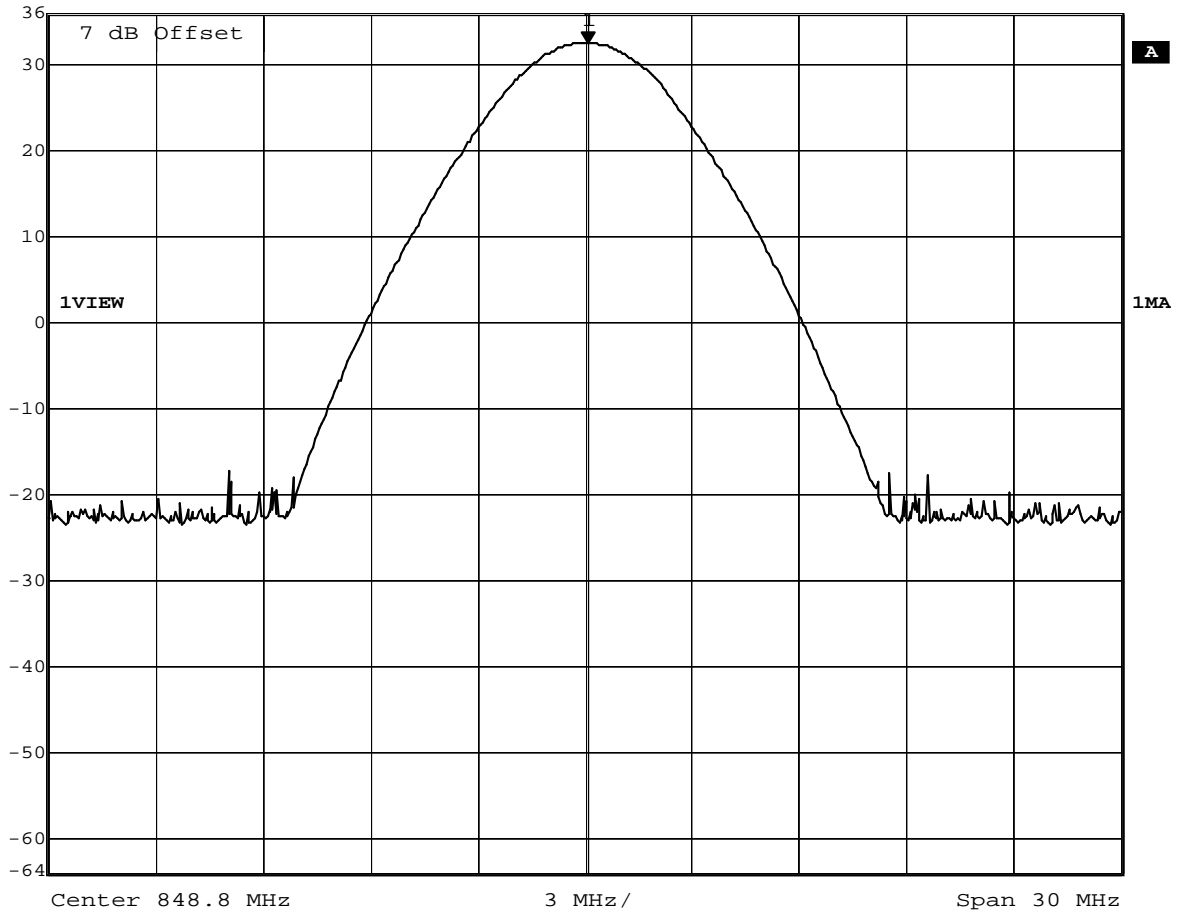
Marker 1 [T1] RBW 3 MHz RF Att 50 dB  
Ref Lvl 32.20 dBm VBW 3 MHz  
36 dBm 836.16993988 MHz SWT 5 ms Unit dBm



Title: Output power conducted / Channel: 188  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:36:50



Marker 1 [T1]	RBW	3 MHz	RF Att	50 dB
Ref Lvl	32.36 dBm	VBW	3 MHz	
36 dBm	848.89018036 MHz	SWT	5 ms	Unit dBm



Title: Output power conducted / Channel: 251  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:37:49



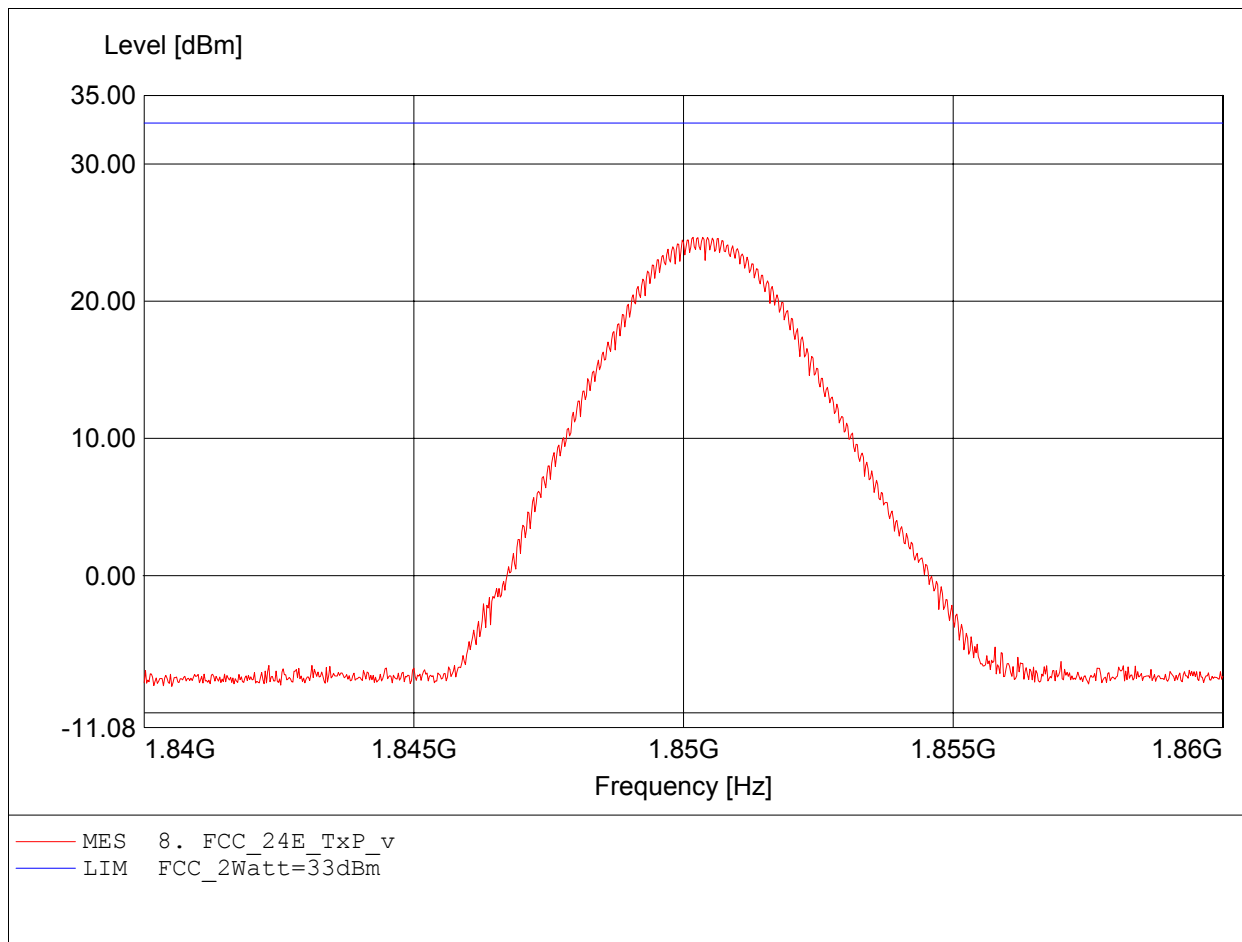
## Appendix C

ERP, EIRP



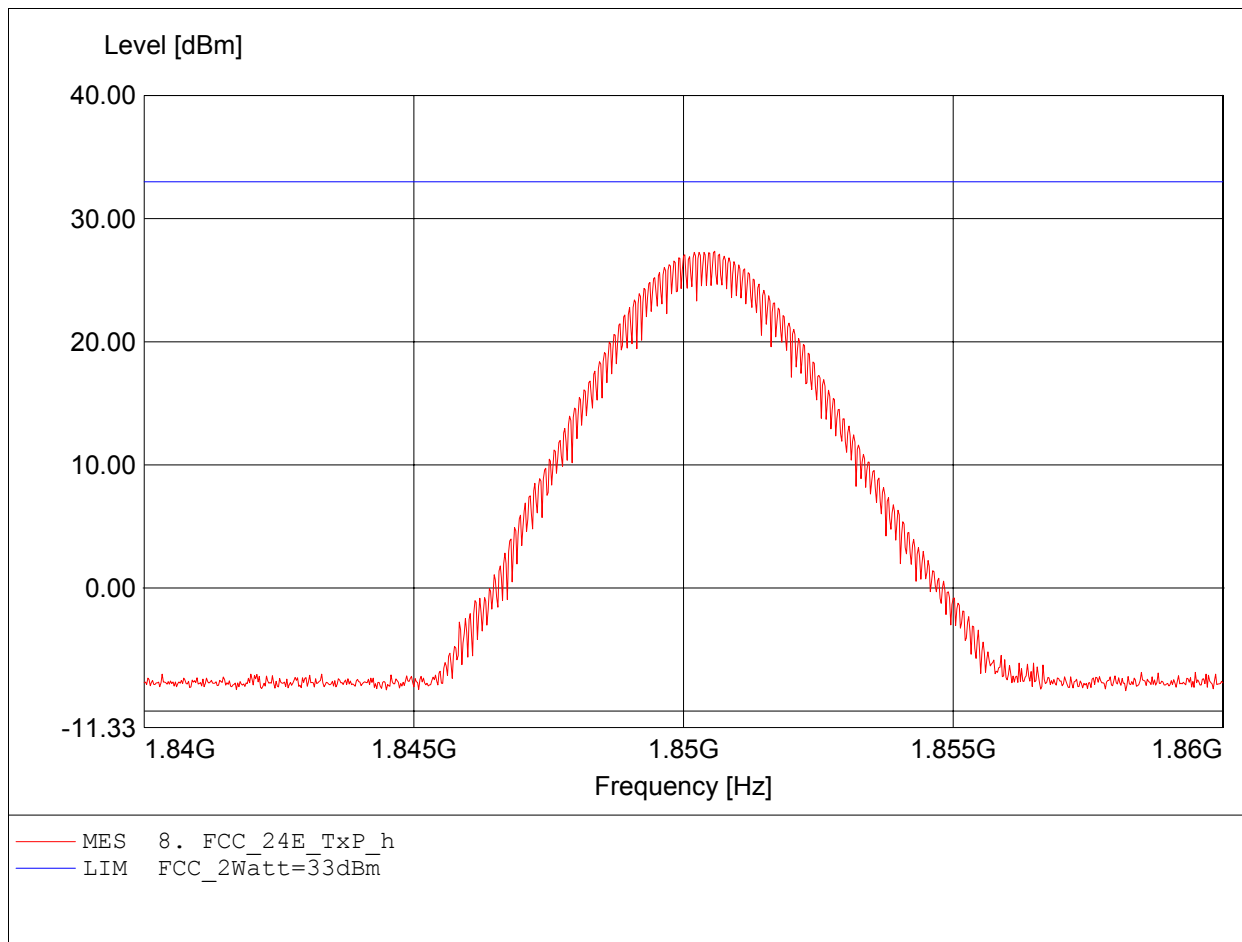
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.850GHz, Pmax: 24.66dBm, RBW: 3MHz



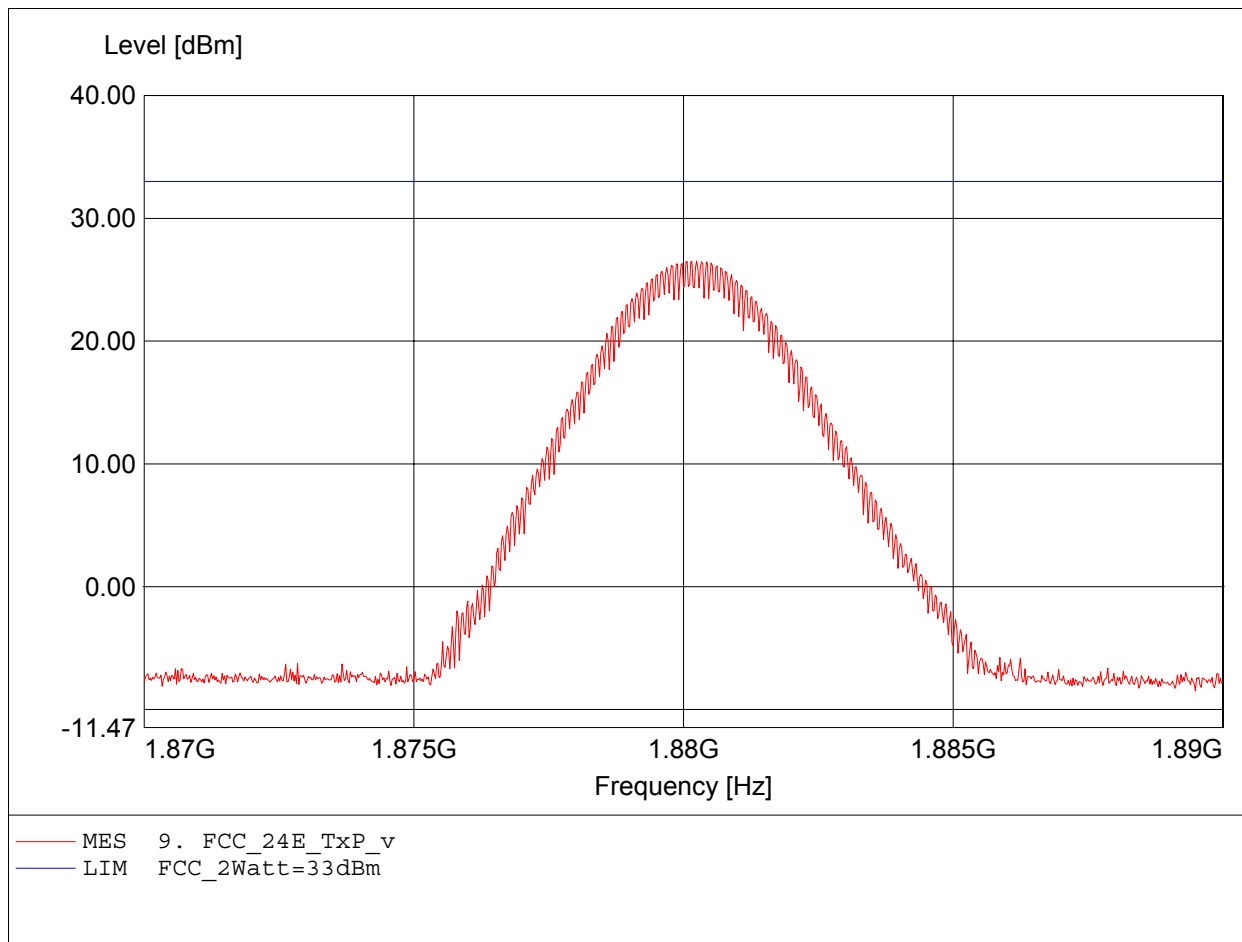
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.851GHz, Pmax: 27.36dBm, RBW: 3MHz



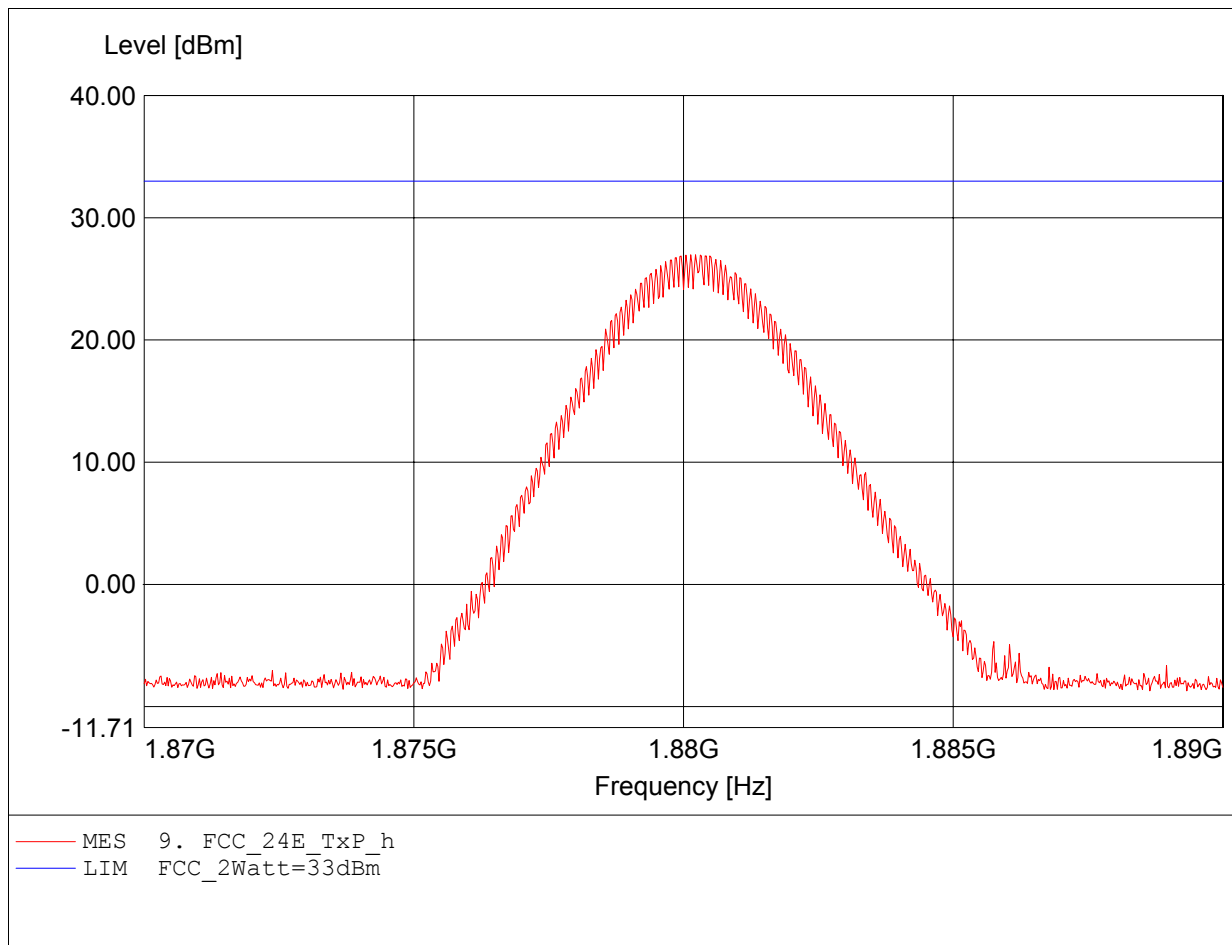
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.880GHz, Pmax: 26.53dBm, RBW: 3MHz



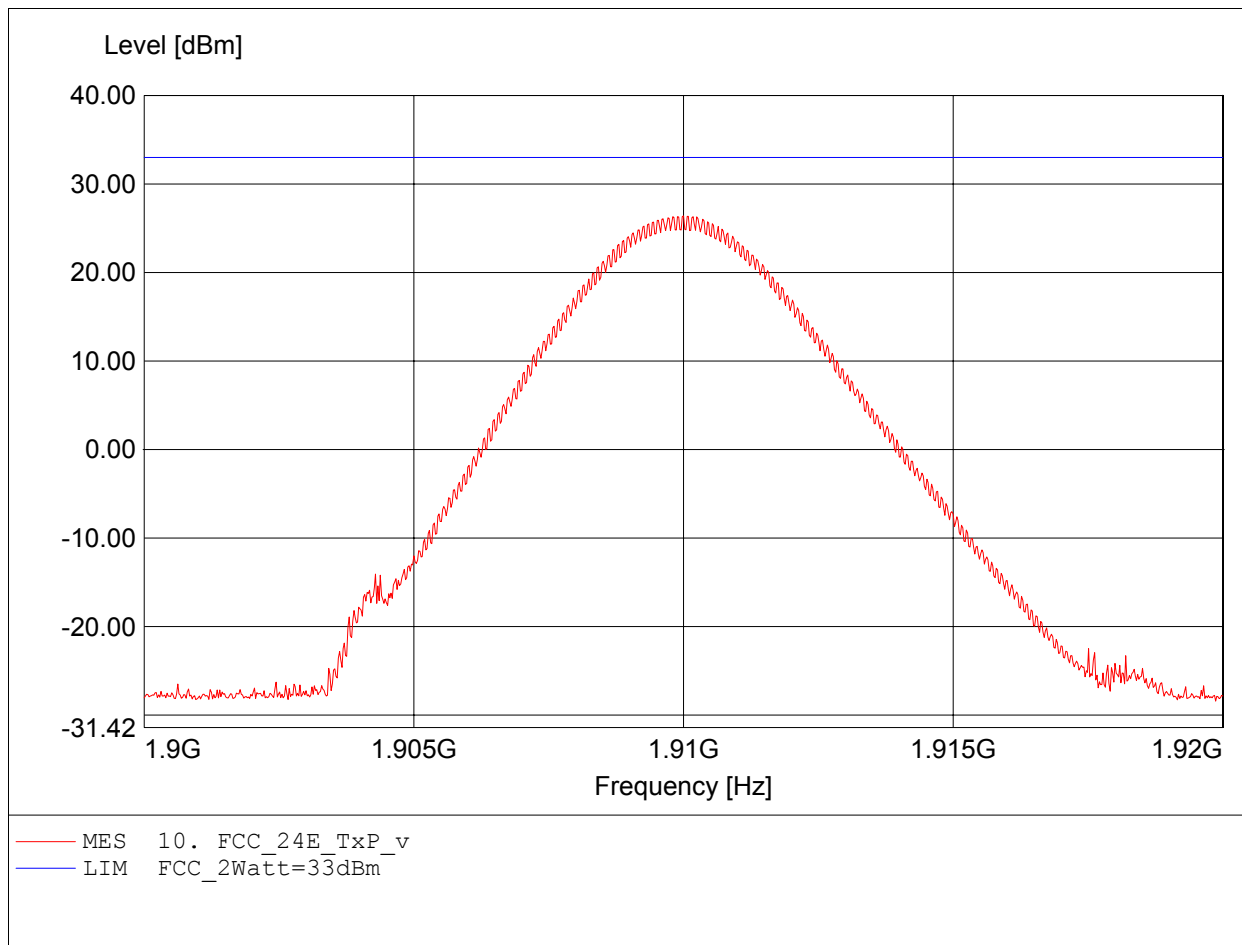
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.880GHz, Pmax: 26.97dBm, RBW: 3MHz



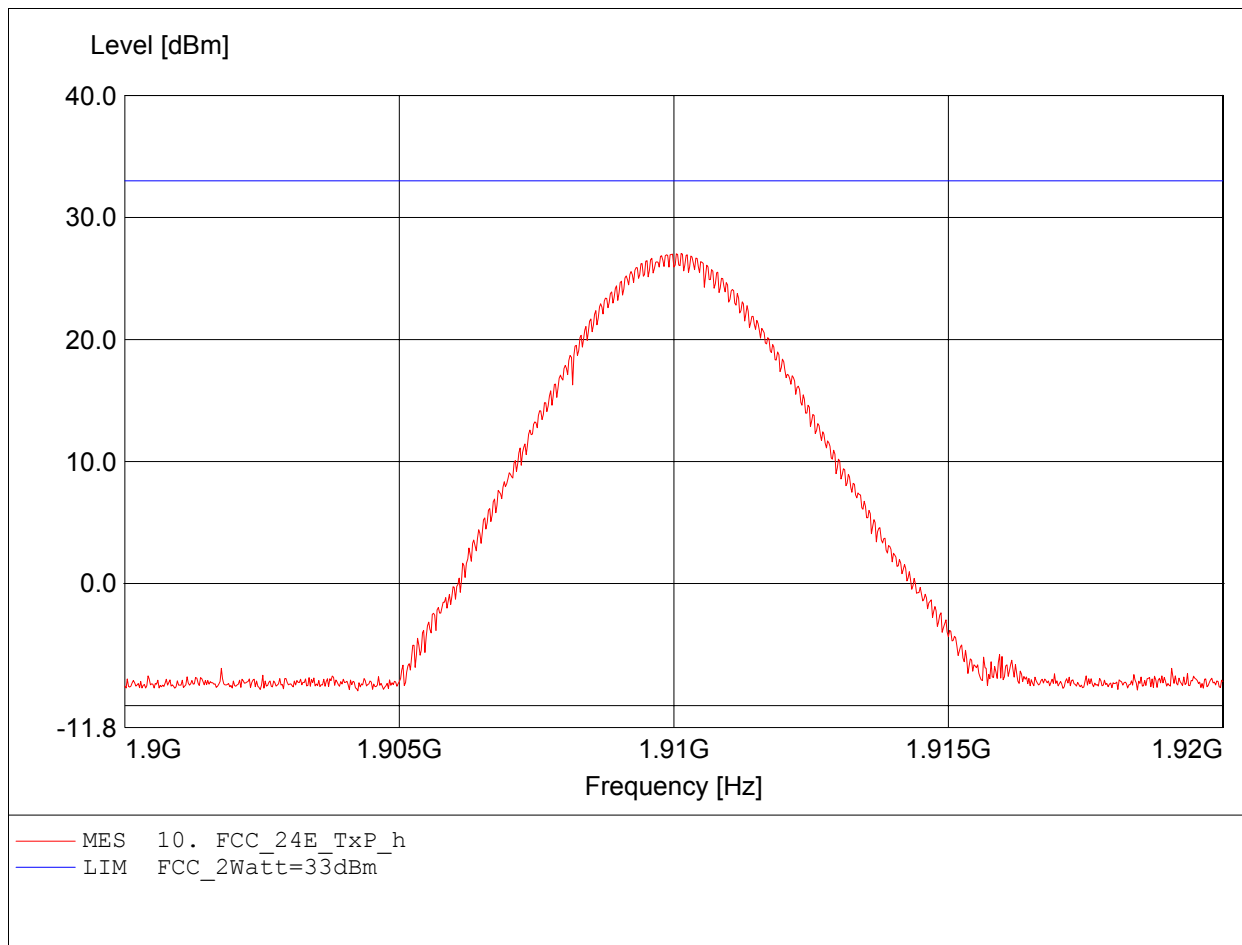
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.910GHz, Pmax: 26.40dBm, RBW: 3MHz



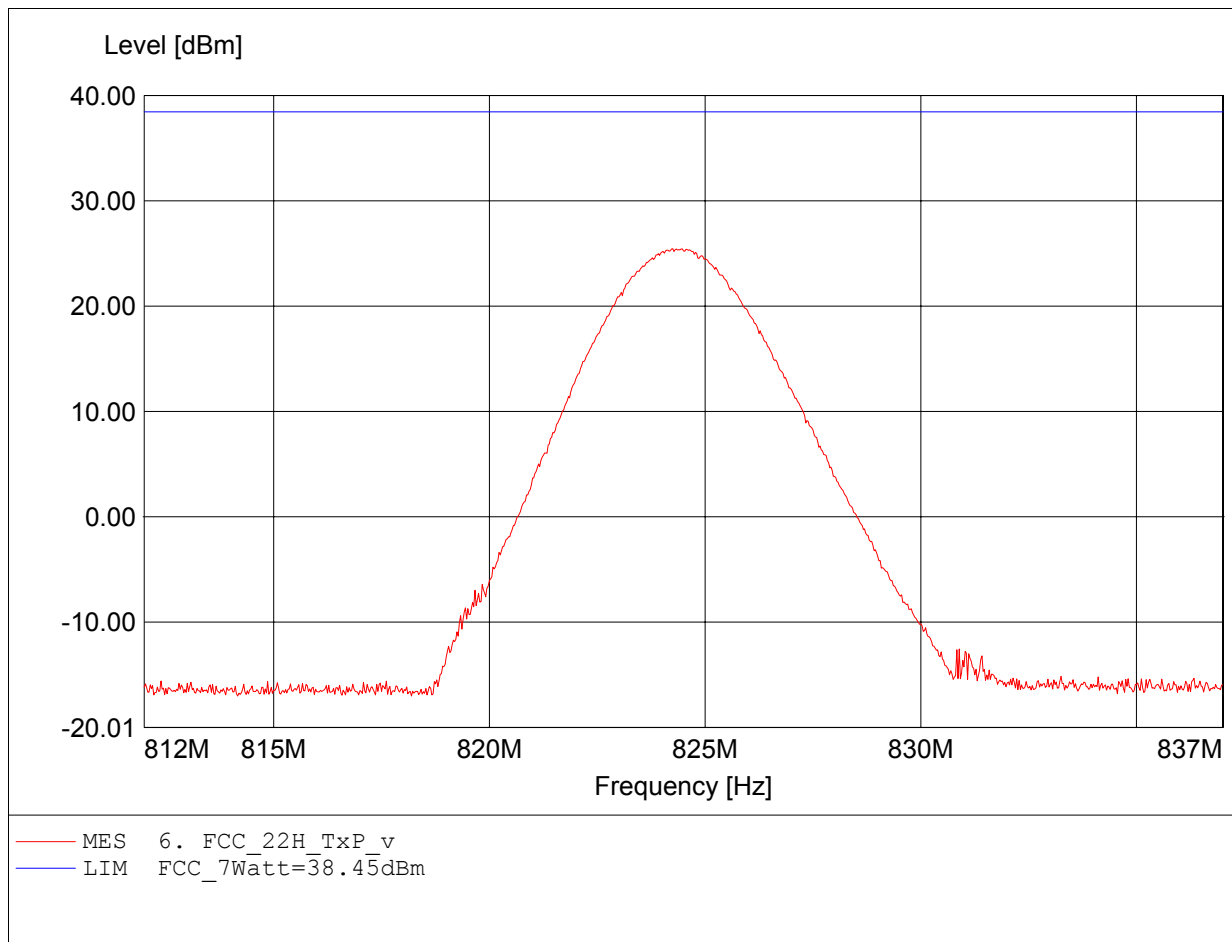
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.232  
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0  
Comment 2: Freq: 1.910GHz, Pmax: 27.05dBm, RBW: 3MHz



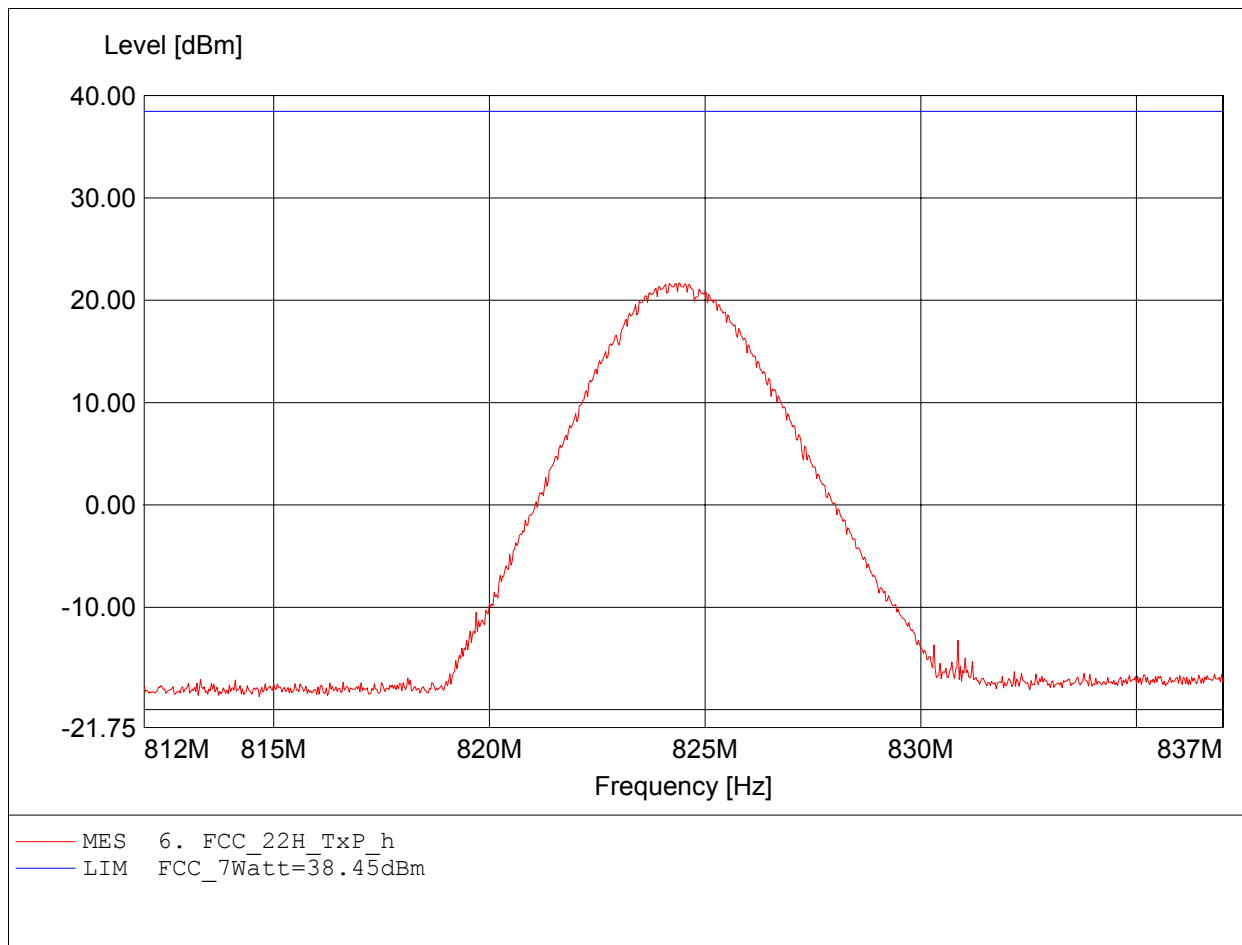
**Effective Radiated Power  
FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.913  
Comment 1: Dist.: 3m, Ant.: HL223  
Comment 2: Freq: 824.250MHz, Pmax: 25.46dBm, RBW: 3MHz



**Effective Radiated Power  
FCC RULES PART 22 SUBPART H**

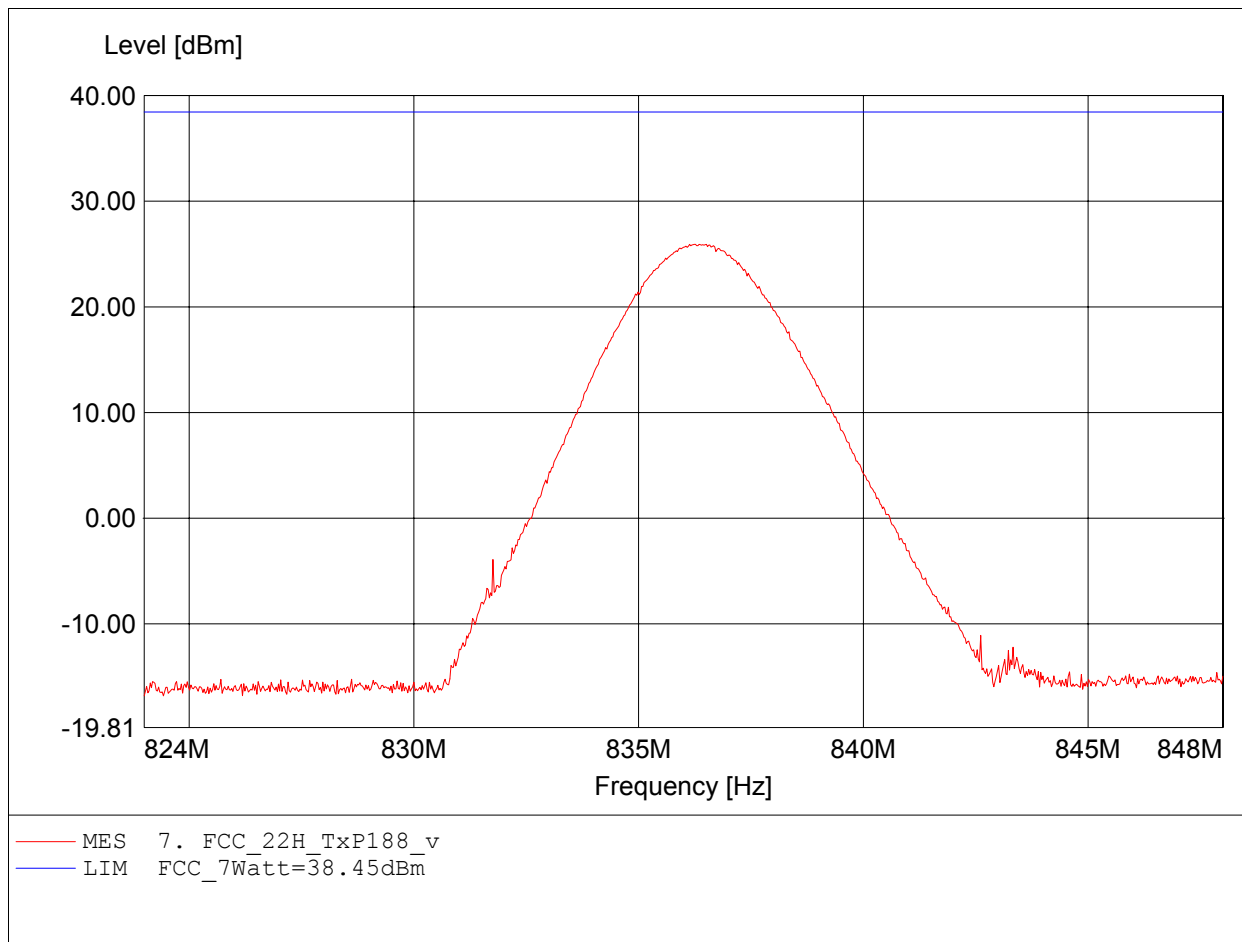
Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.913  
Comment 1: Dist.: 3m, Ant.: HL223  
Comment 2: Freq: 824.417MHz, Pmax: 21.67dBm, RBW: 3MHz





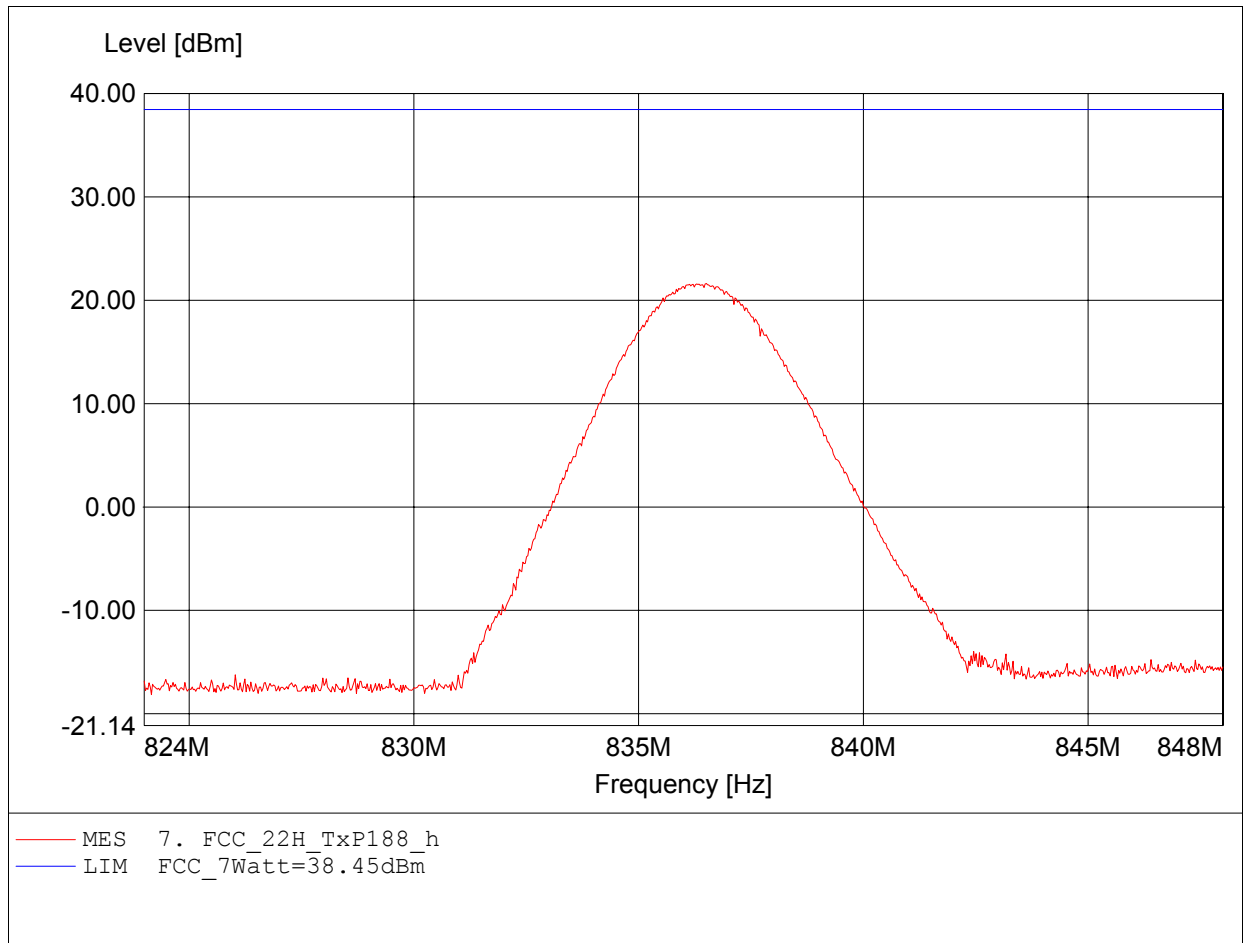
**Effective Radiated Power  
FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.913  
Comment 1: Dist.: 3m, Ant.: HL223  
Comment 2: Freq: 836.507MHz, Pmax: 25.91dBm, RBW: 3MHz



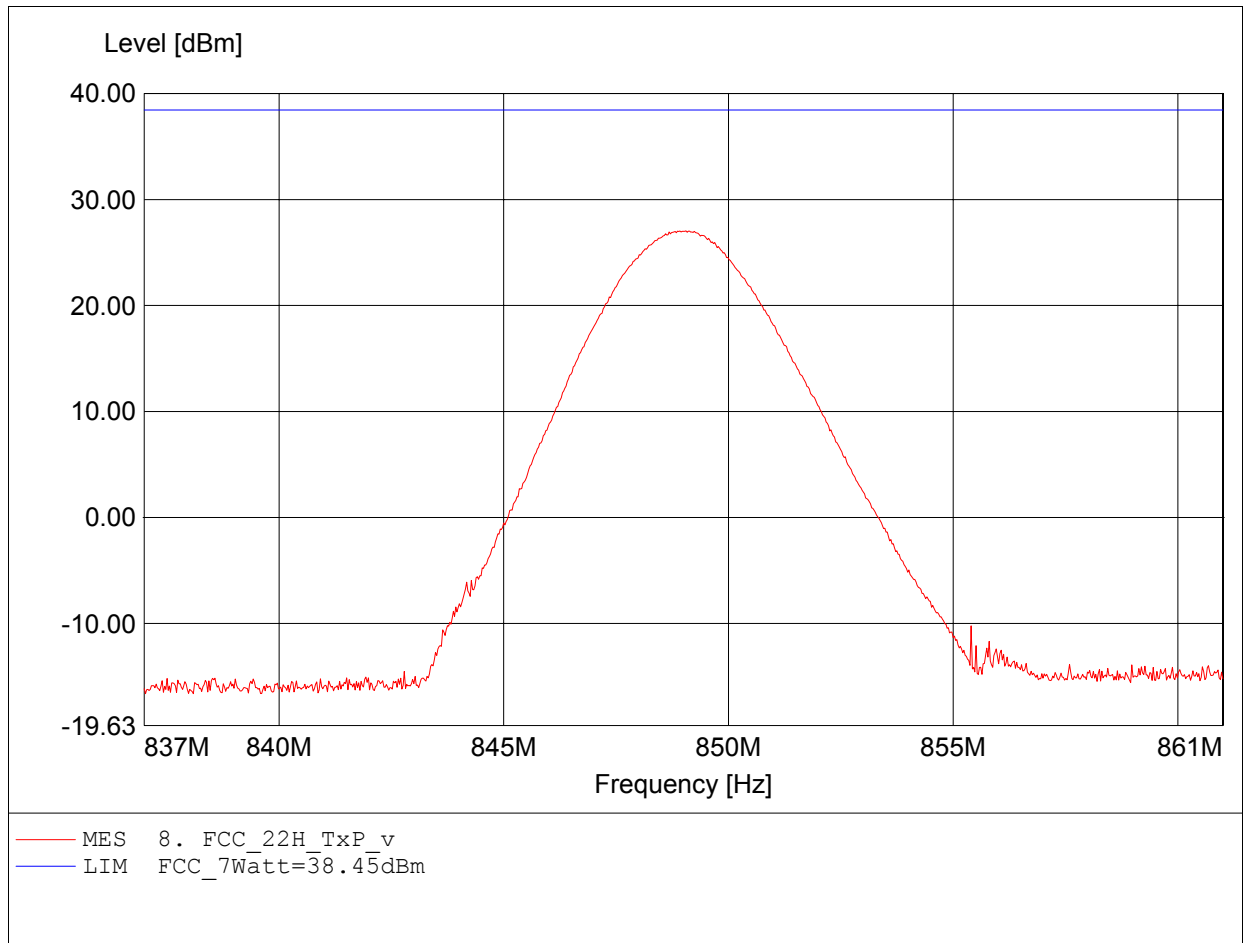
**Effective Radiated Power  
FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.913  
Comment 1: Dist.: 3m, Ant.: HL223  
Comment 2: Freq: 836.507MHz, Pmax: 21.63dBm, RBW: 3MHz



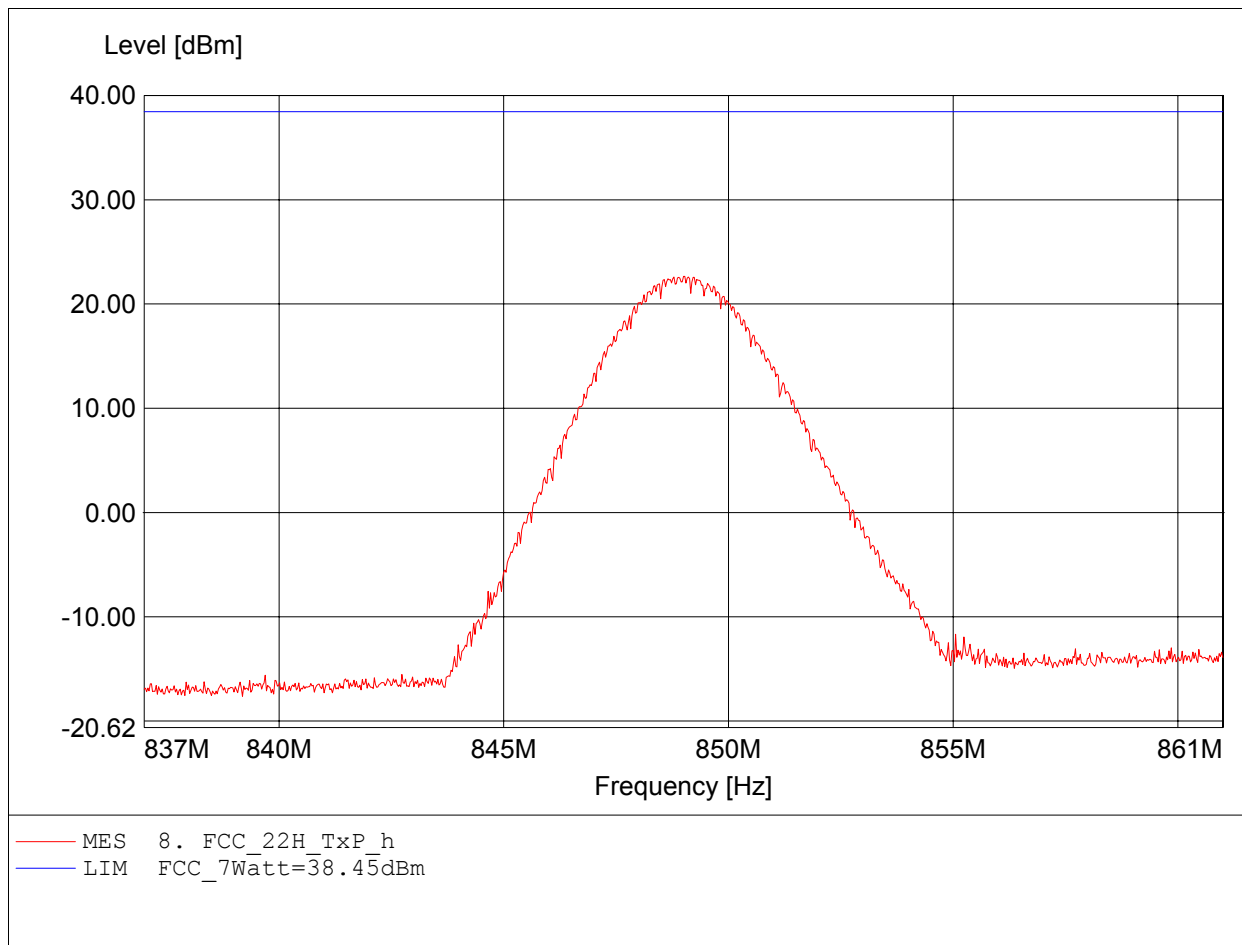
**Effective Radiated Power  
FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.913  
Comment 1: Dist.: 3m, Ant.: HL223  
Comment 2: Freq: 849.053MHz, Pmax: 27.03dBm, RBW: 3MHz



**Effective Radiated Power  
FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S22.913  
Comment 1: Dist.: 3m, Ant.: HL223  
Comment 2: Freq: 849.027MHz, Pmax: 22.66dBm, RBW: 3MHz





## Appendix D

### Modulation Requirements



## Appendix E

Audio Filter Characteristics



## Appendix F

Emission Limitation



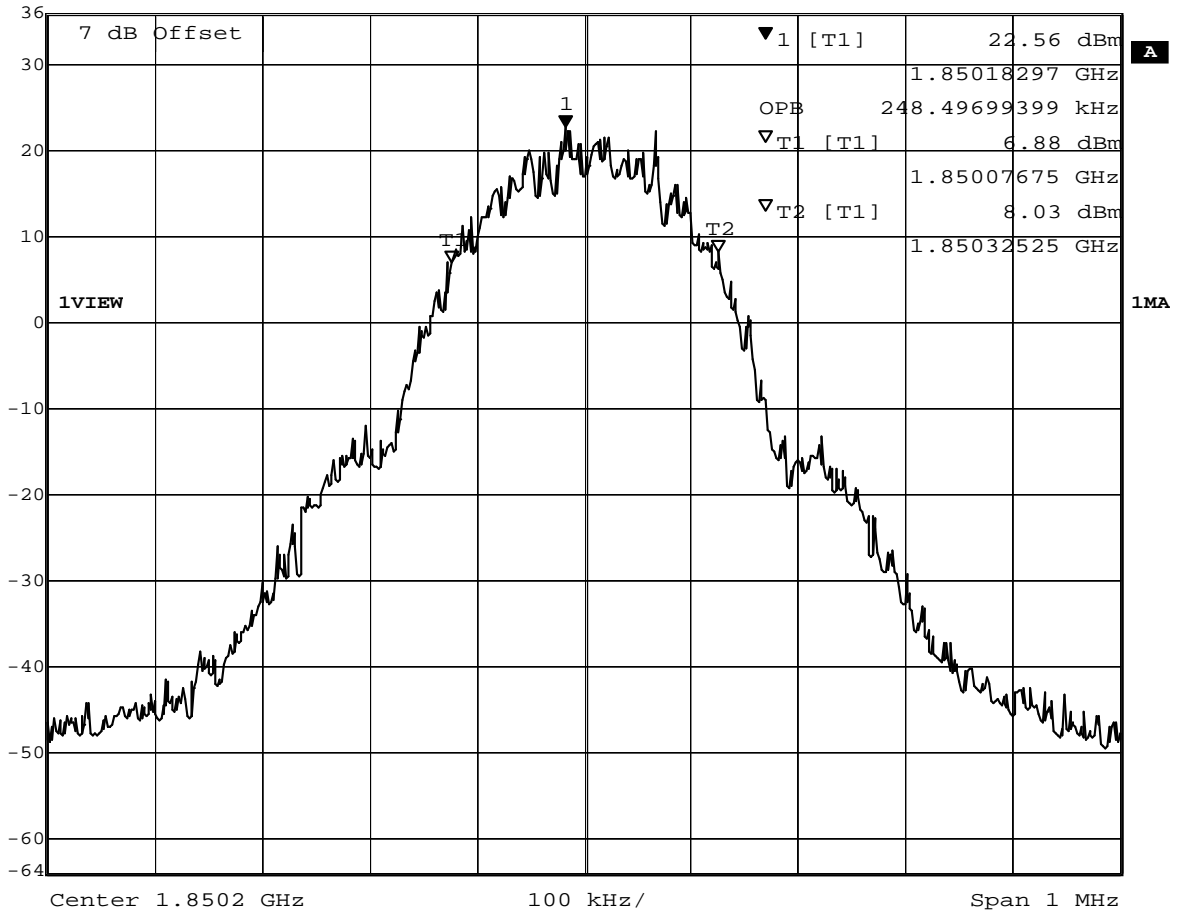
## Appendix G

Occupied Bandwidth





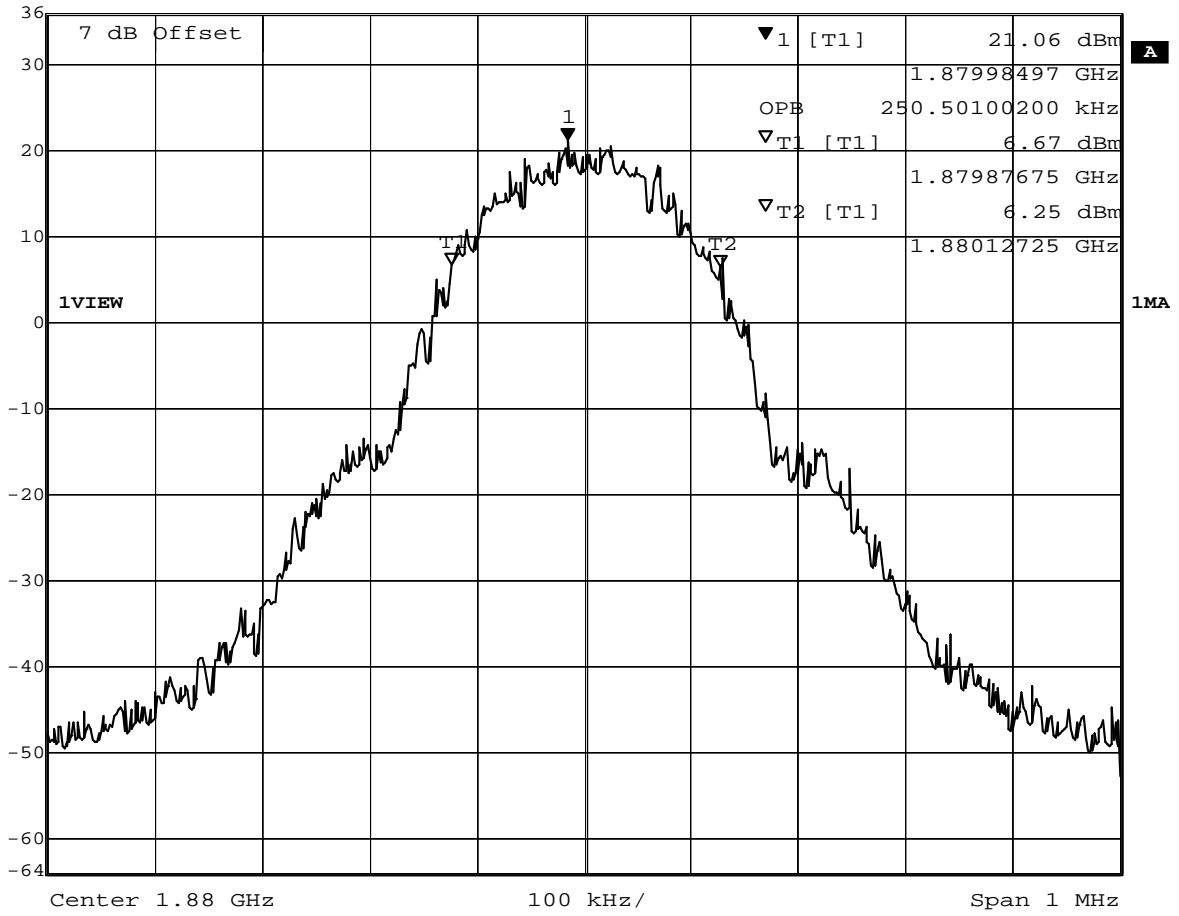
Marker 1 [T1]      RBW      3 kHz      RF Att      50 dB  
 Ref Lvl              22.56 dBm      VBW      3 kHz  
 36 dBm              1.85018297 GHz      SWT      280 ms      Unit      dBm



Title:      Occupied Bandwidth \ Channel: 512  
 Comment A: Dual Band GSM 850 / PCS 1900      /      PG-1410  
 Date:      19.JUL.2005      07:13:34



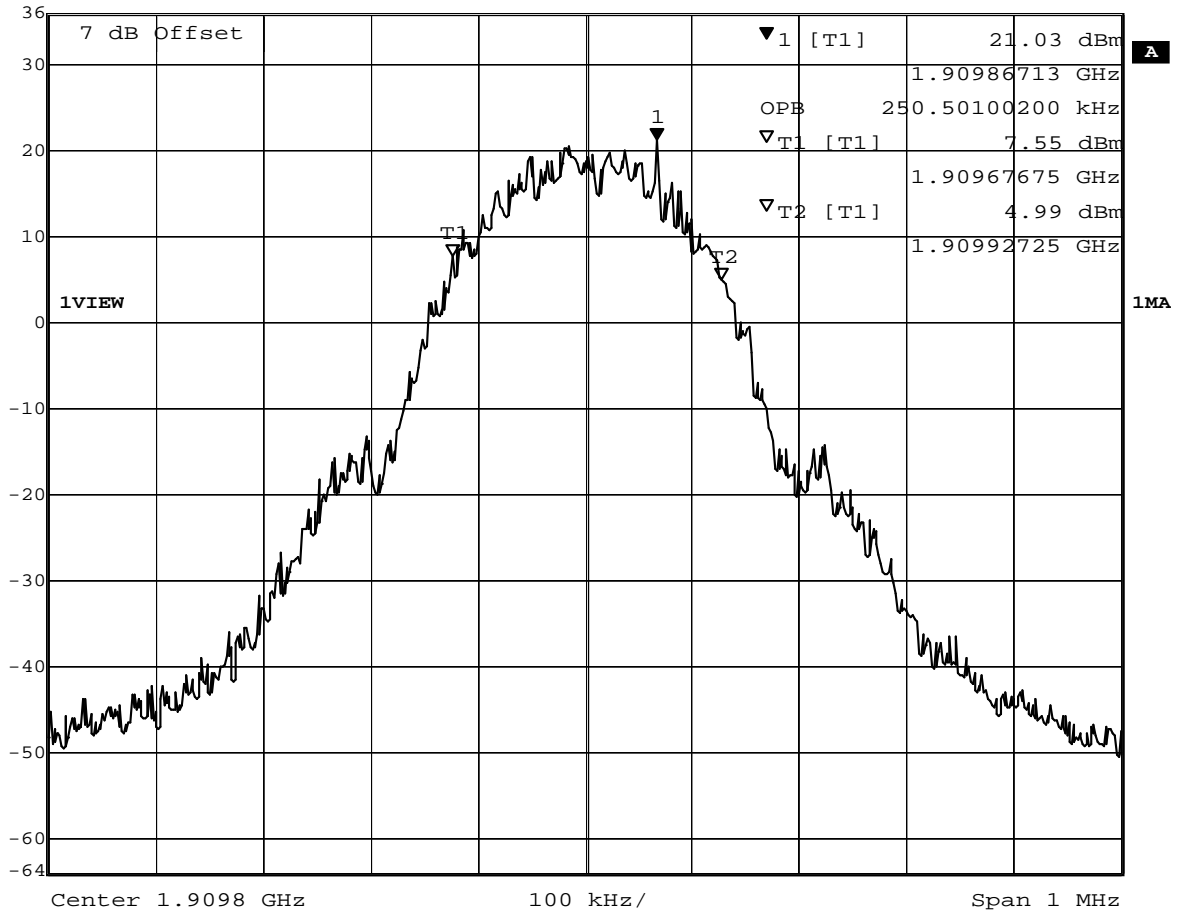
Marker 1 [T1]      RBW      3 kHz      RF Att      50 dB  
 Ref Lvl              21.06 dBm      VBW      3 kHz  
 36 dBm              1.87998497 GHz      SWT      280 ms      Unit      dBm



Title:      Occupied Bandwidth / Channel: 661  
 Comment A: Dual Band GSM 850 / PCS 1900      /      PG-1410  
 Date:      19.JUL.2005      07:14:44



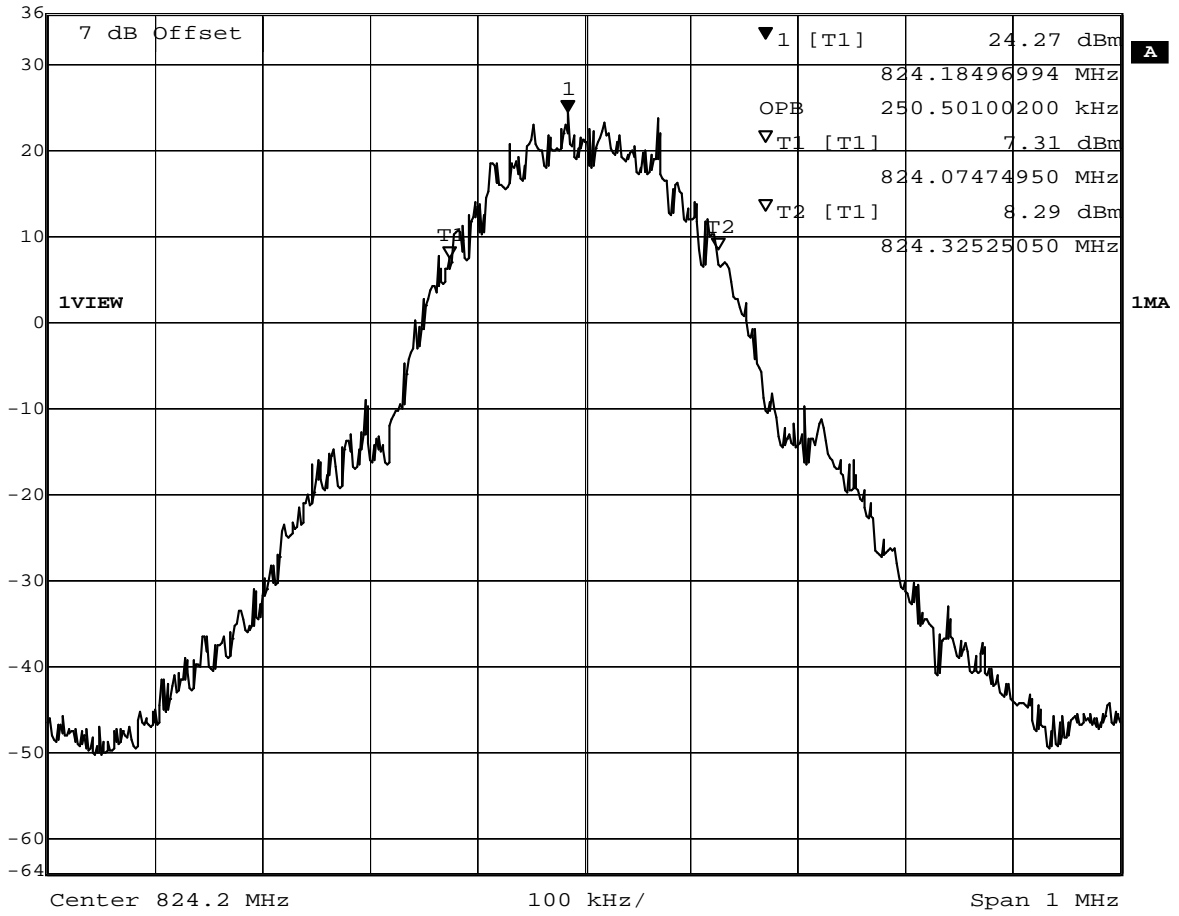
Marker 1 [T1] RBW 3 kHz RF Att 50 dB  
Ref Lvl 21.03 dBm VBW 3 kHz  
36 dBm 1.90986713 GHz SWT 280 ms Unit dBm



Title: Occupied Bandwidth / Channel: 810  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:15:57



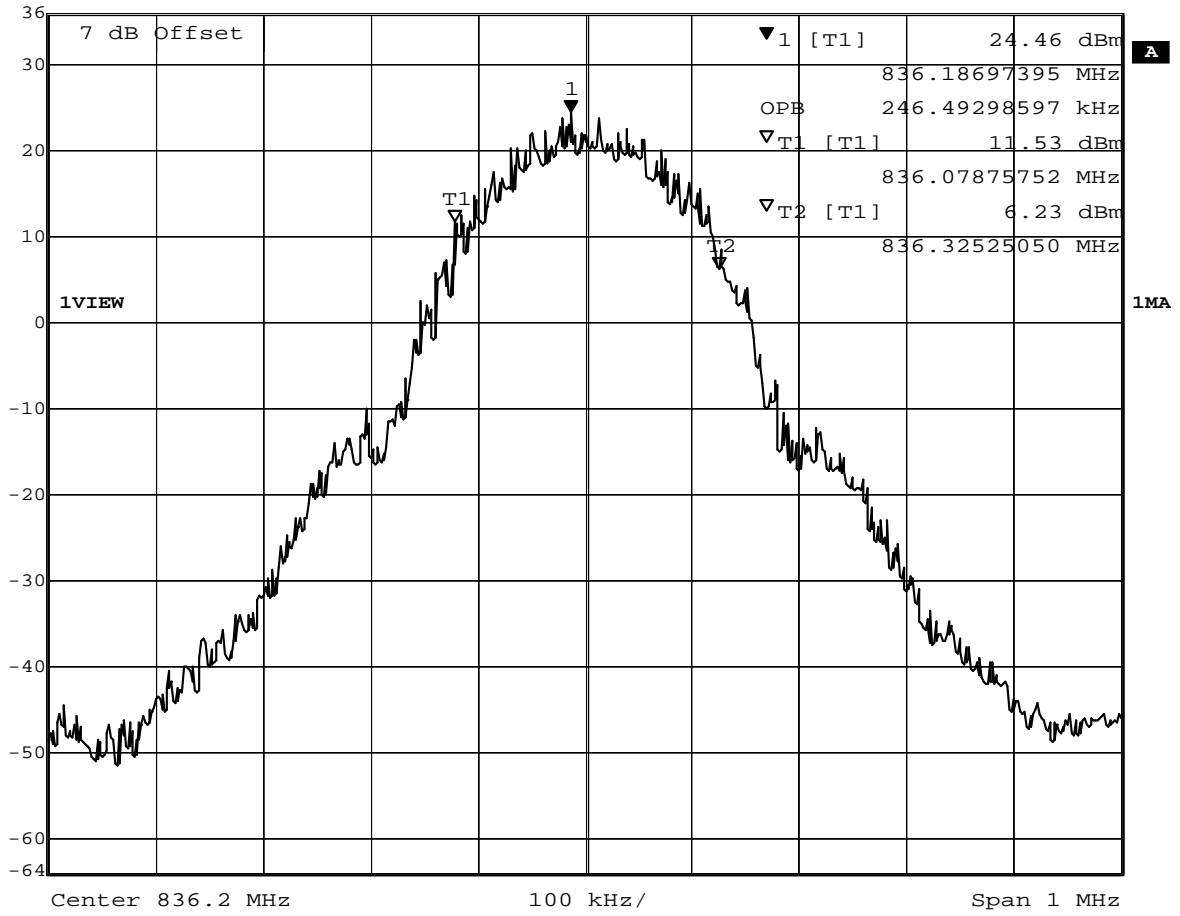
Marker 1 [T1]      RBW    3 kHz    RF Att    50 dB  
 Ref Lvl            24.27 dBm    VBW    3 kHz  
 36 dBm            824.18496994 MHz    SWT    280 ms    Unit            dBm



Title:      Occupied Bandwidth / Channel: 128  
 Comment A: Dual Band GSM 850 / PCS 1900    /    PG-1410  
 Date:      19.JUL.2005 07:41:20



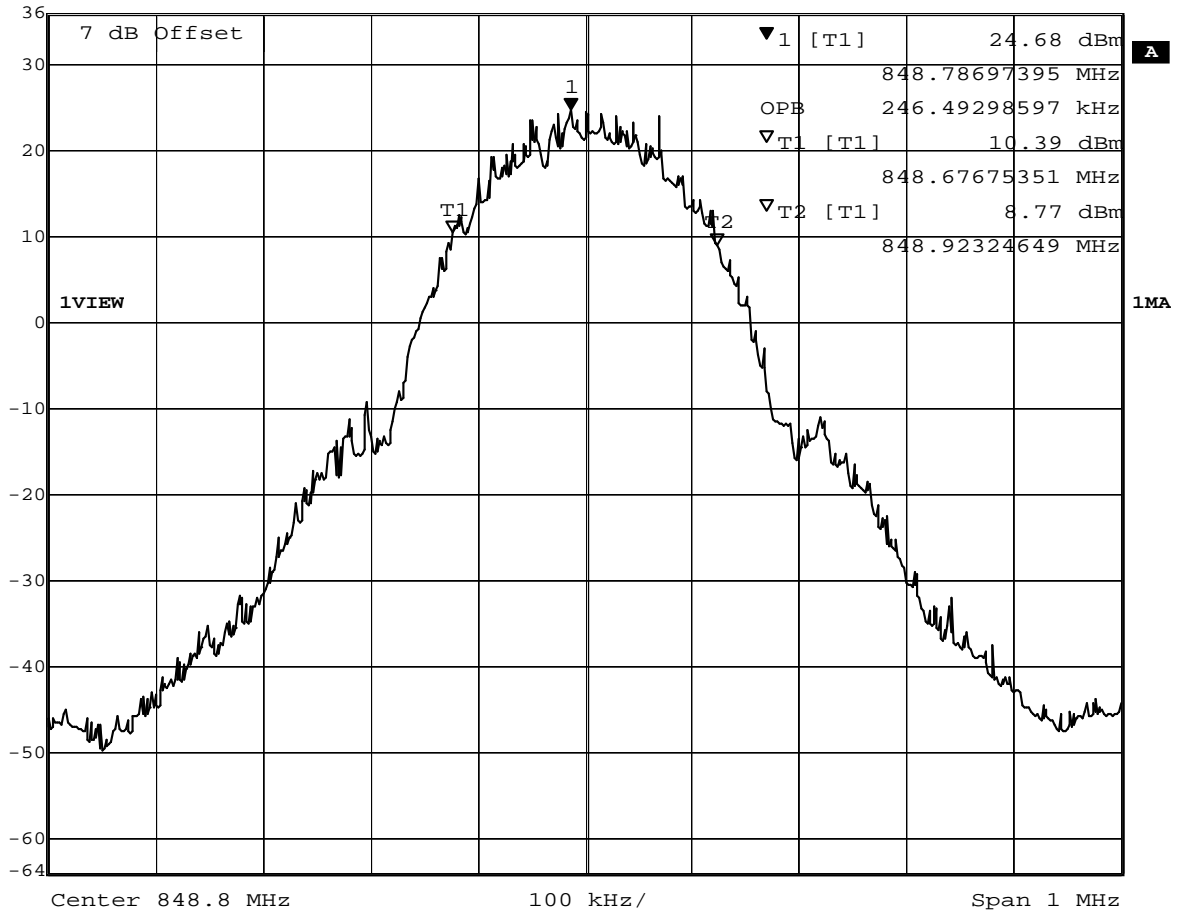
Marker 1 [T1]      RBW    3 kHz    RF Att    50 dB  
 Ref Lvl            24.46 dBm    VBW    3 kHz  
 36 dBm            836.18697395 MHz    SWT    280 ms    Unit            dBm



Title:      Occupied Bandwidth / Channel: 188  
 Comment A: Dual Band GSM 850 / PCS 1900    /    PG-1410  
 Date:      19.JUL.2005 07:42:26



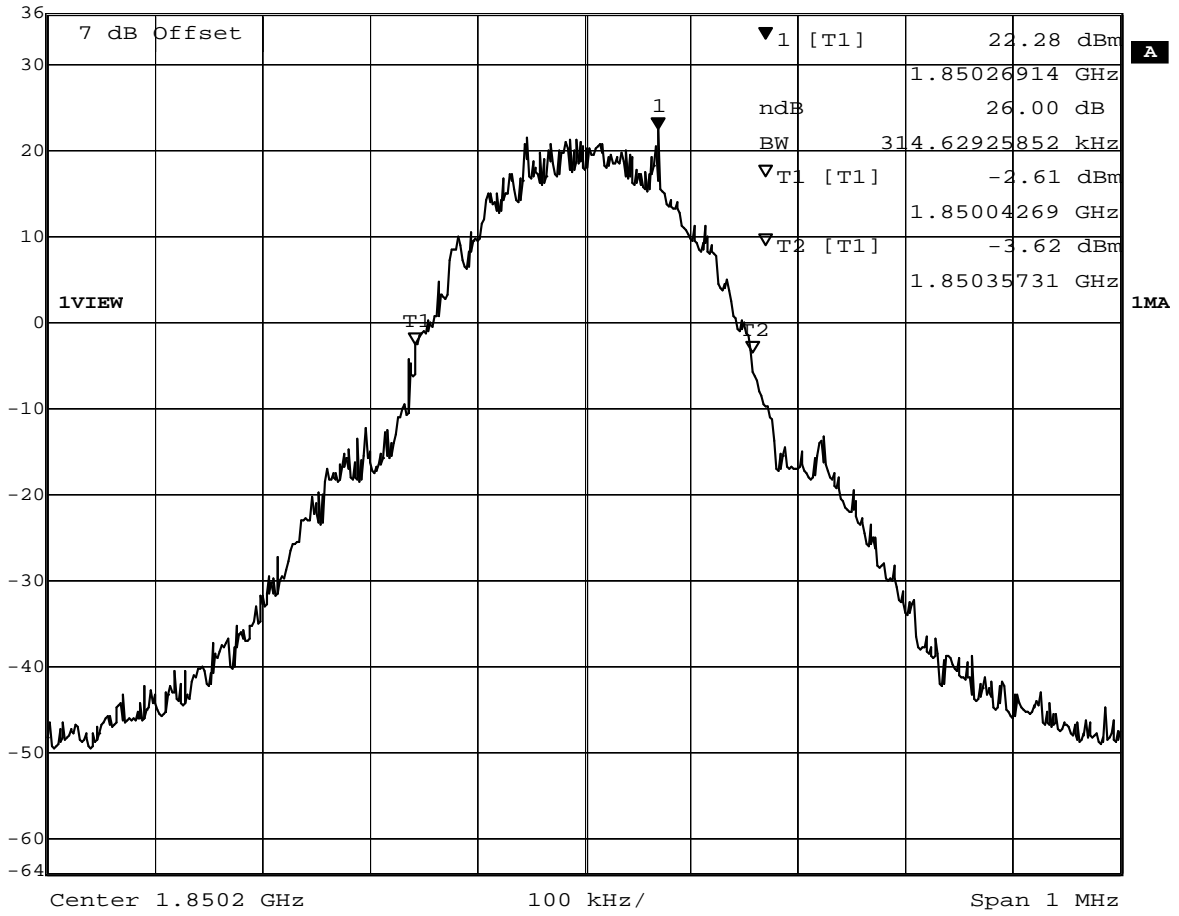
Marker 1 [T1] RBW 3 kHz RF Att 50 dB  
Ref Lvl 24.68 dBm VBW 3 kHz  
36 dBm 848.78697395 MHz SWT 280 ms Unit dBm



Title: Occupied Bandwidth / Channel: 251  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:44:14



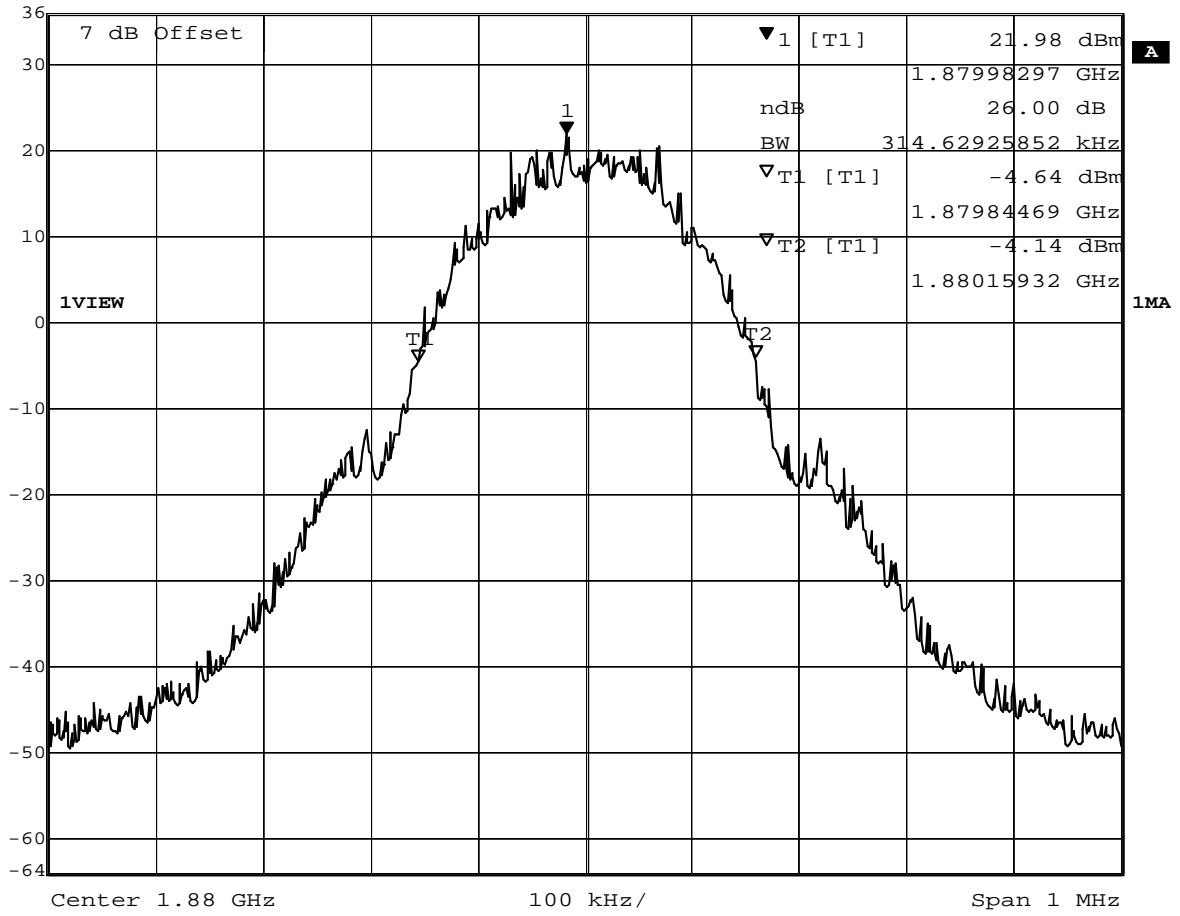
Marker 1 [T1 ndB]      RBW      3 kHz      RF Att      50 dB  
 Ref Lvl      ndB      26.00 dB      VBW      3 kHz  
 36 dBm      BW      314.62925852 kHz      SWT      280 ms      Unit      dBm



Title:      Emission Bandwidth (-26 dB) / Channel: 512  
 Comment A: Dual Band GSM 850 / PCS 1900      /      PG-1410  
 Date:      19.JUL.2005      07:18:46



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

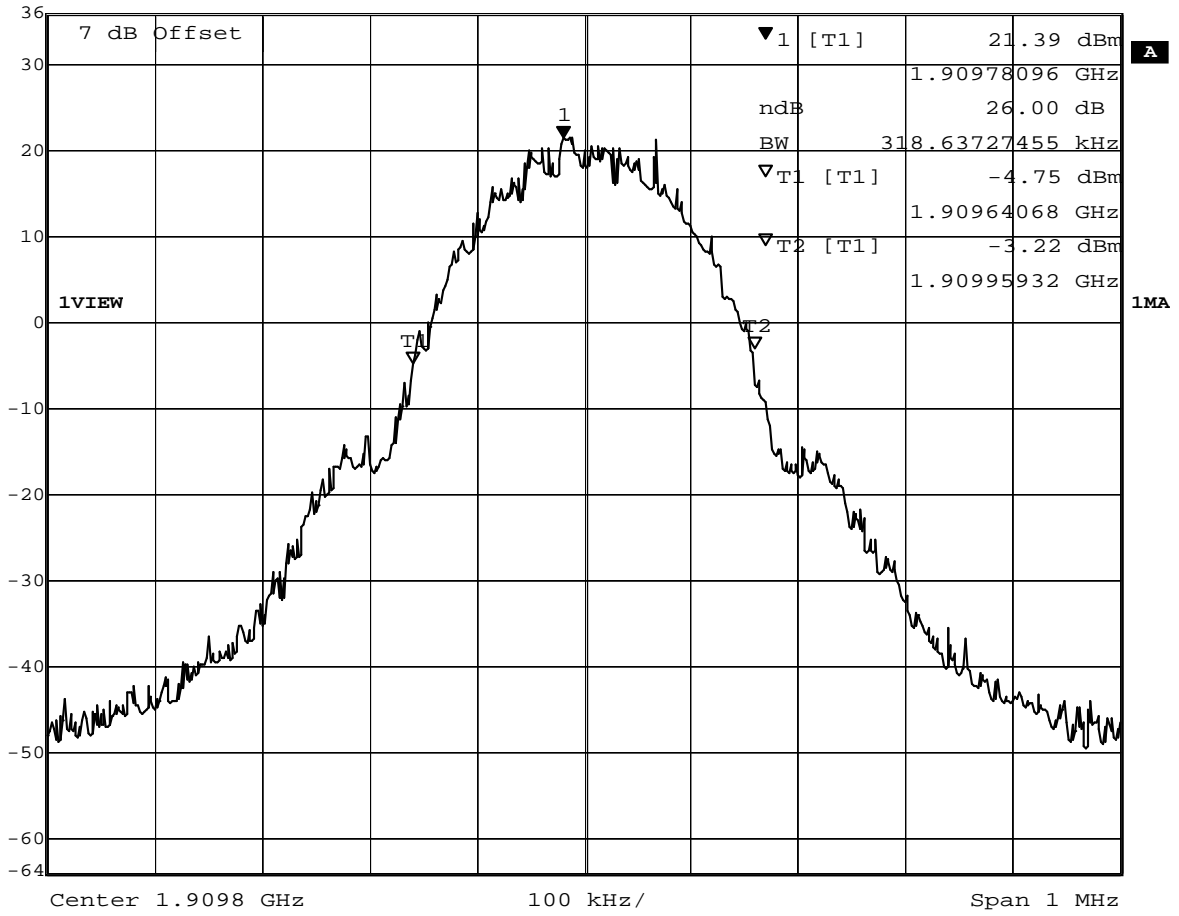


Title:            Emission Bandwidth (-26 dB) / Channel: 661  
 Comment A:    Dual Band GSM 850 / PCS 1900    /    PG-1410  
 Date:            19.JUL.2005    07:20:11





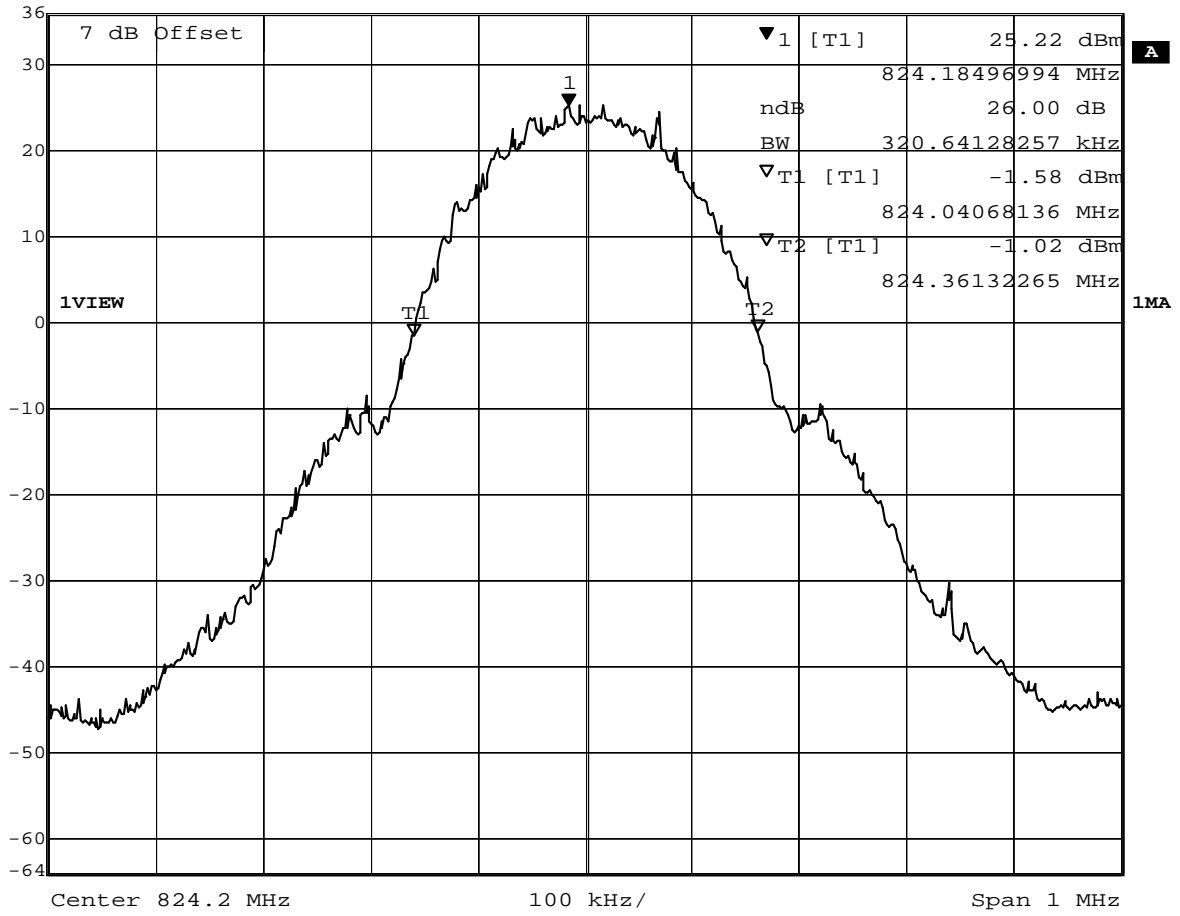
Marker 1 [T1 ndB] RBW 3 kHz RF Att 50 dB  
Ref Lvl ndB 26.00 dB VBW 3 kHz  
36 dBm BW 318.63727455 kHz SWT 280 ms Unit dBm



Title: Emission Bandwidth (-26 dB) / Channel: 810  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 07:21:59



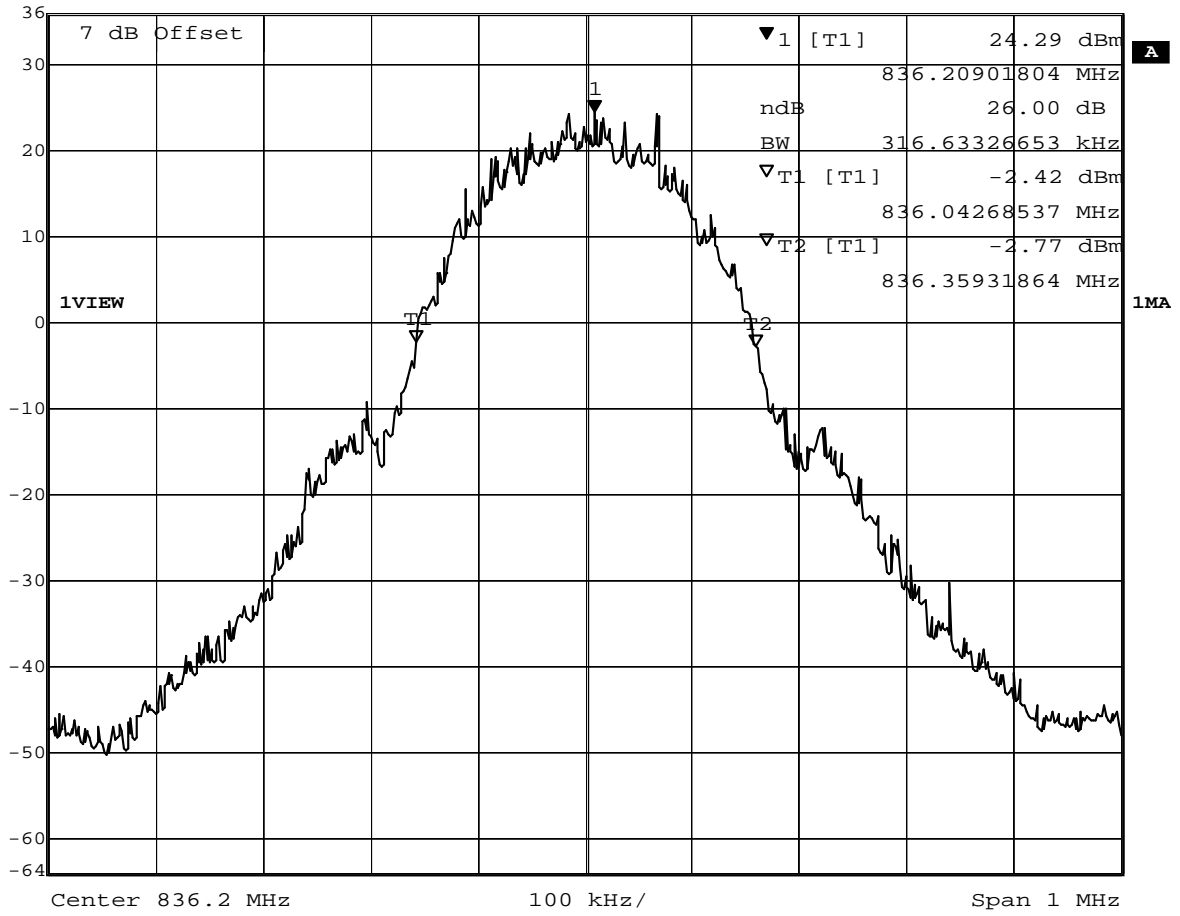
Marker 1 [T1 ndB] RBW 3 kHz RF Att 50 dB  
Ref Lvl ndB 26.00 dB VBW 3 kHz  
36 dBm BW 320.64128257 kHz SWT 280 ms Unit dBm



Title: Emission Bandwidth (-26 dB) / Channel: 128  
Comment A: Dual Band GSM 850 / PCS 1900 / PG1410  
Date: 19.JUL.2005 08:06:48



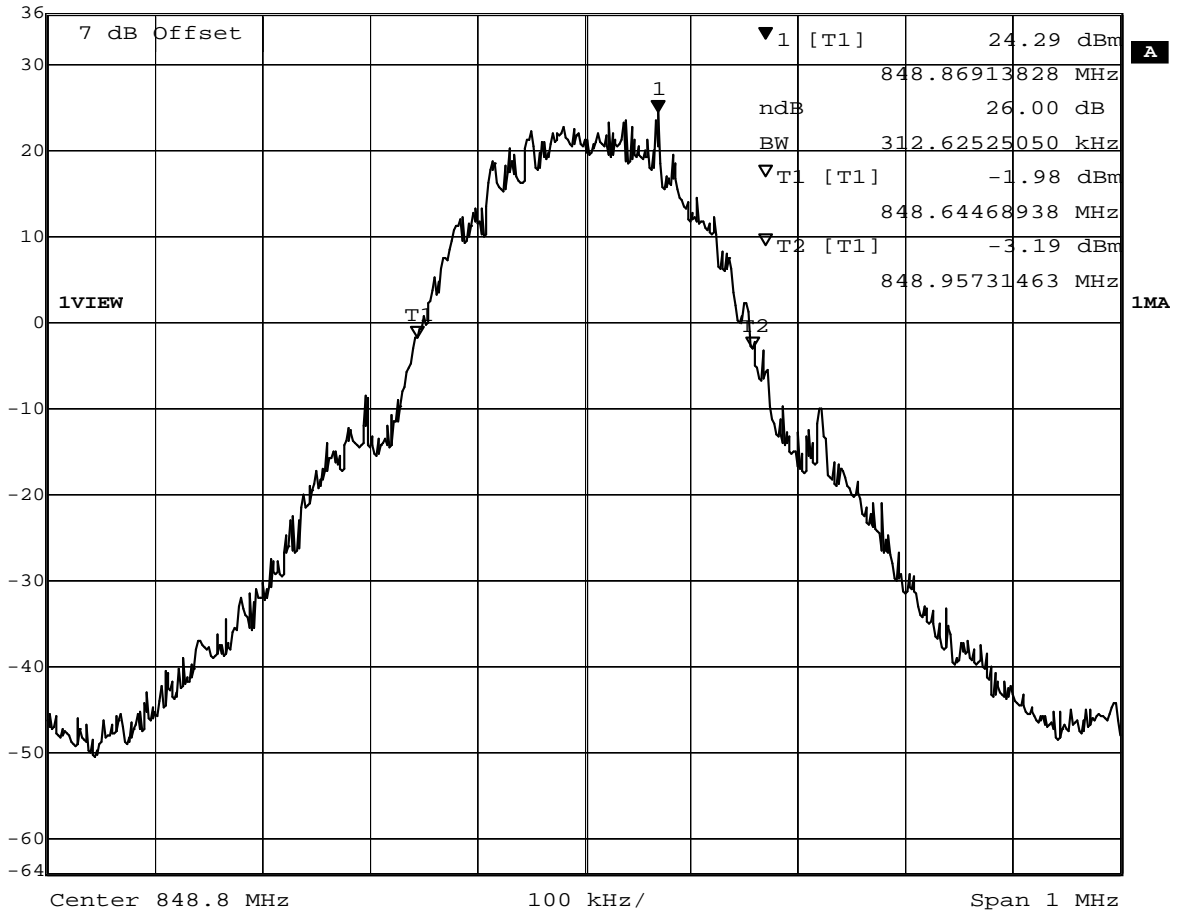
Marker 1 [T1 ndB] RBW 3 kHz RF Att 50 dB  
Ref Lvl ndB 26.00 dB VBW 3 kHz  
36 dBm BW 316.63326653 kHz SWT 280 ms Unit dBm



Title: Emission Bandwidth (-26 dB) / Channel: 188  
Comment A: Dual Band GSM 850 / PCS 1900 / PG-1410  
Date: 19.JUL.2005 08:07:55



Marker 1 [T1 ndB]      RBW      3 kHz      RF Att      50 dB  
 Ref Lvl      ndB      26.00 dB      VBW      3 kHz  
 36 dBm      BW      312.62525050 kHz      SWT      280 ms      Unit      dBm



Title:      Emission Bandwidth (-26 dB) / Channel: 251  
 Comment A: Dual Band GSM 850 / PCS 1900      /      PG-1410  
 Date:      19.JUL.2005      08:09:57

## Appendix H

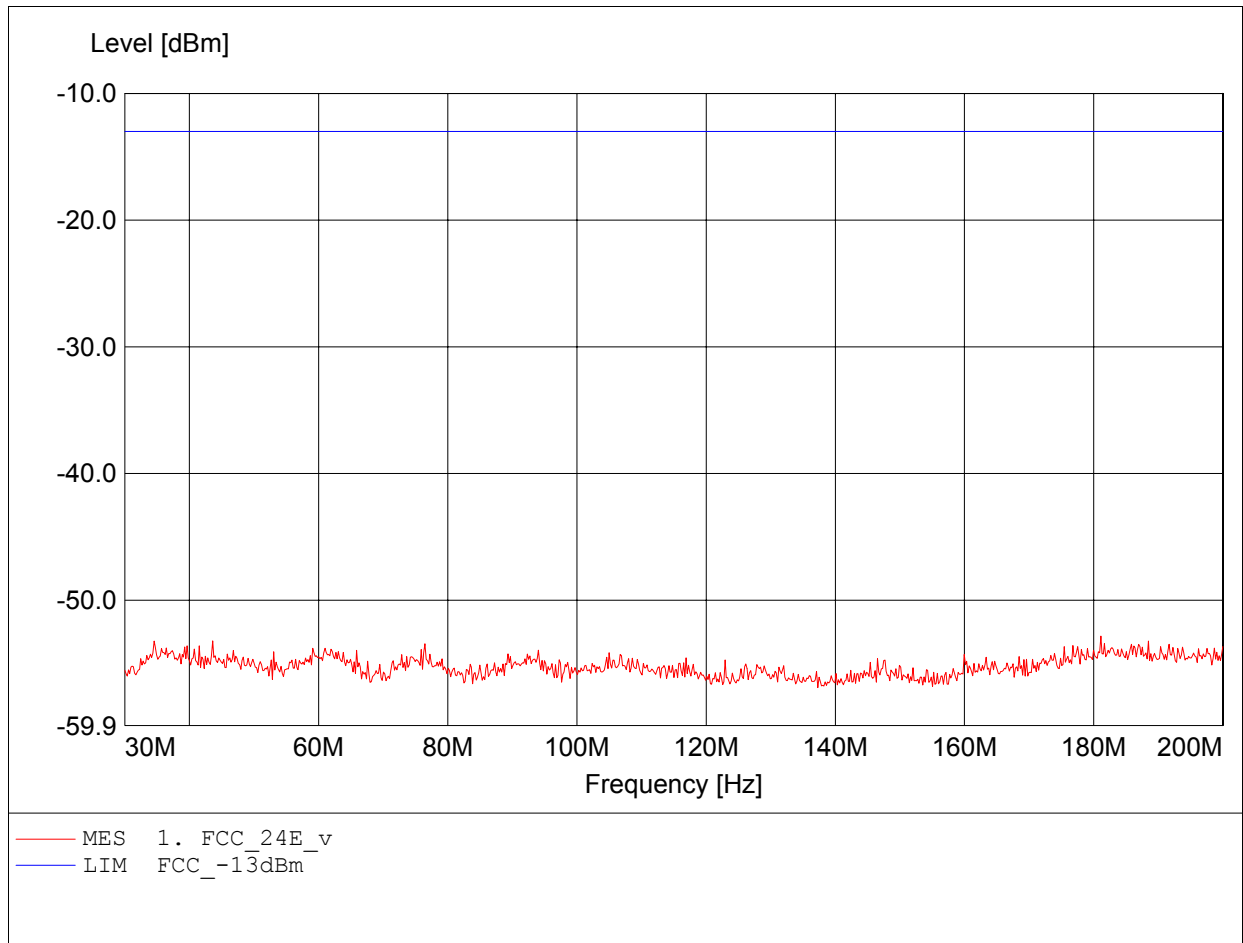
Out of Band Emission at Antenna Terminals Mobile Emissions In Base Frequency Range

# Appendix I

Field Strength of Spurious Radiation

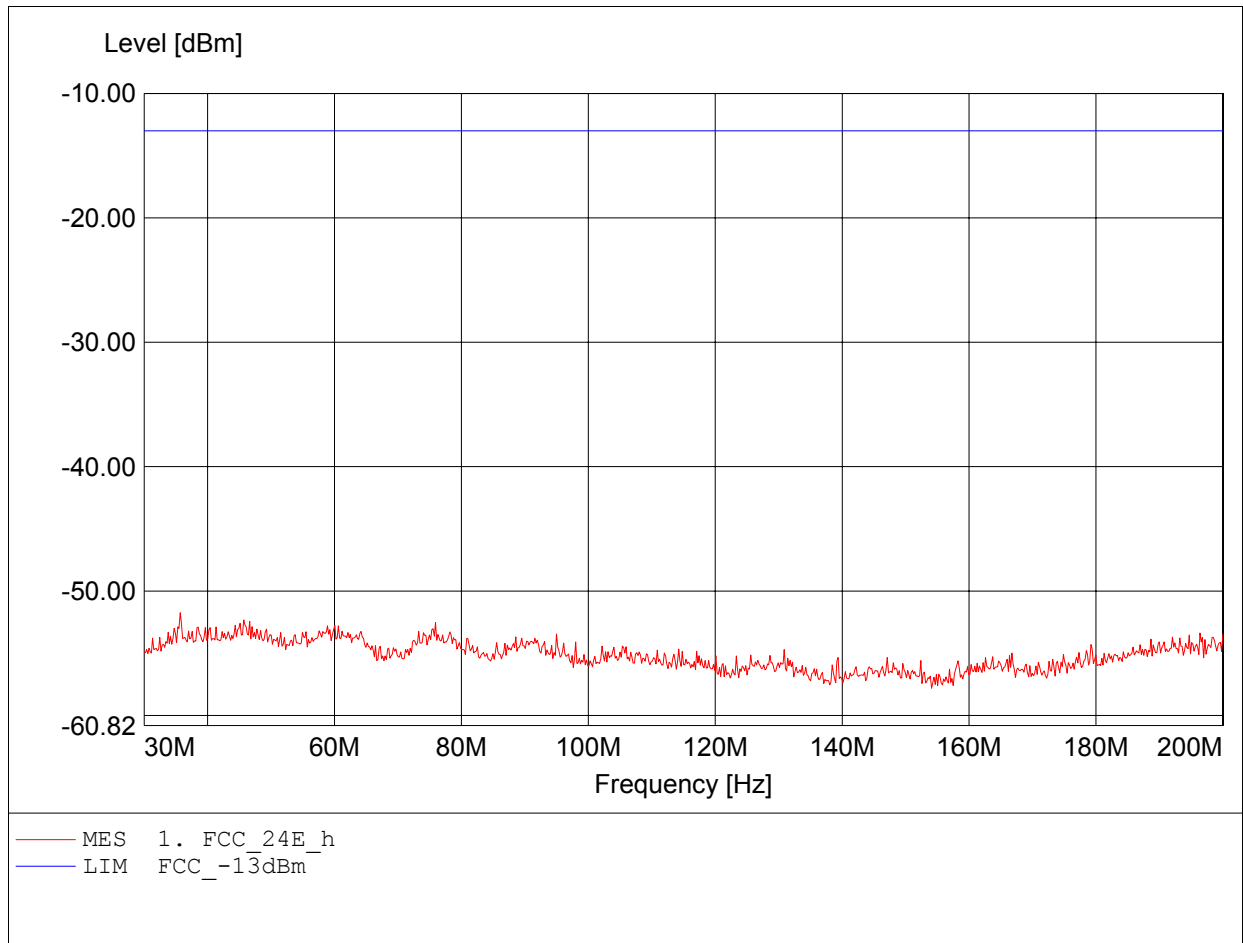
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 181.111MHz, Pmax: -52.83dBm, RBW: 1MHz



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

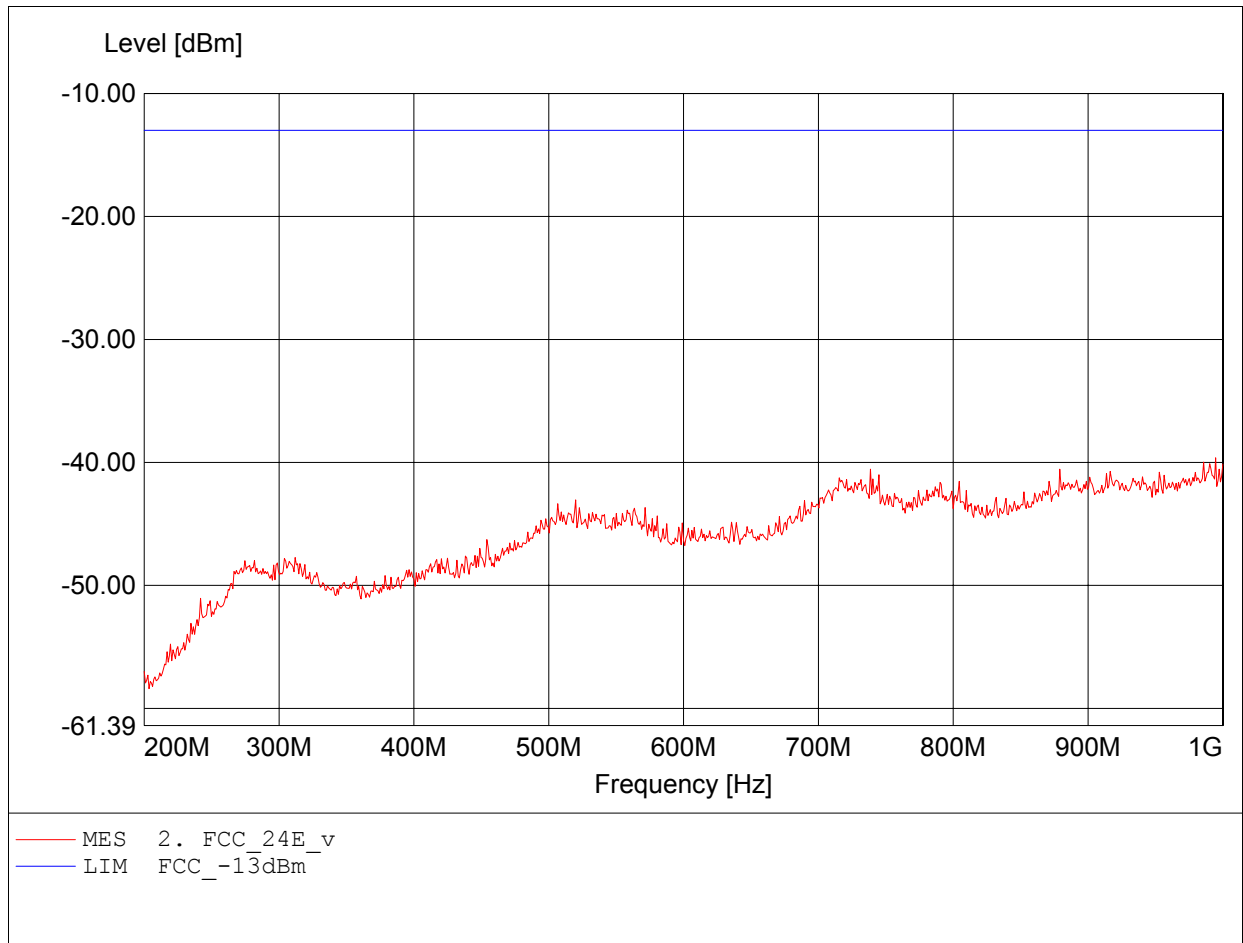
Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 35.667MHz, Pmax: -51.75dBm, RBW: 1MHz





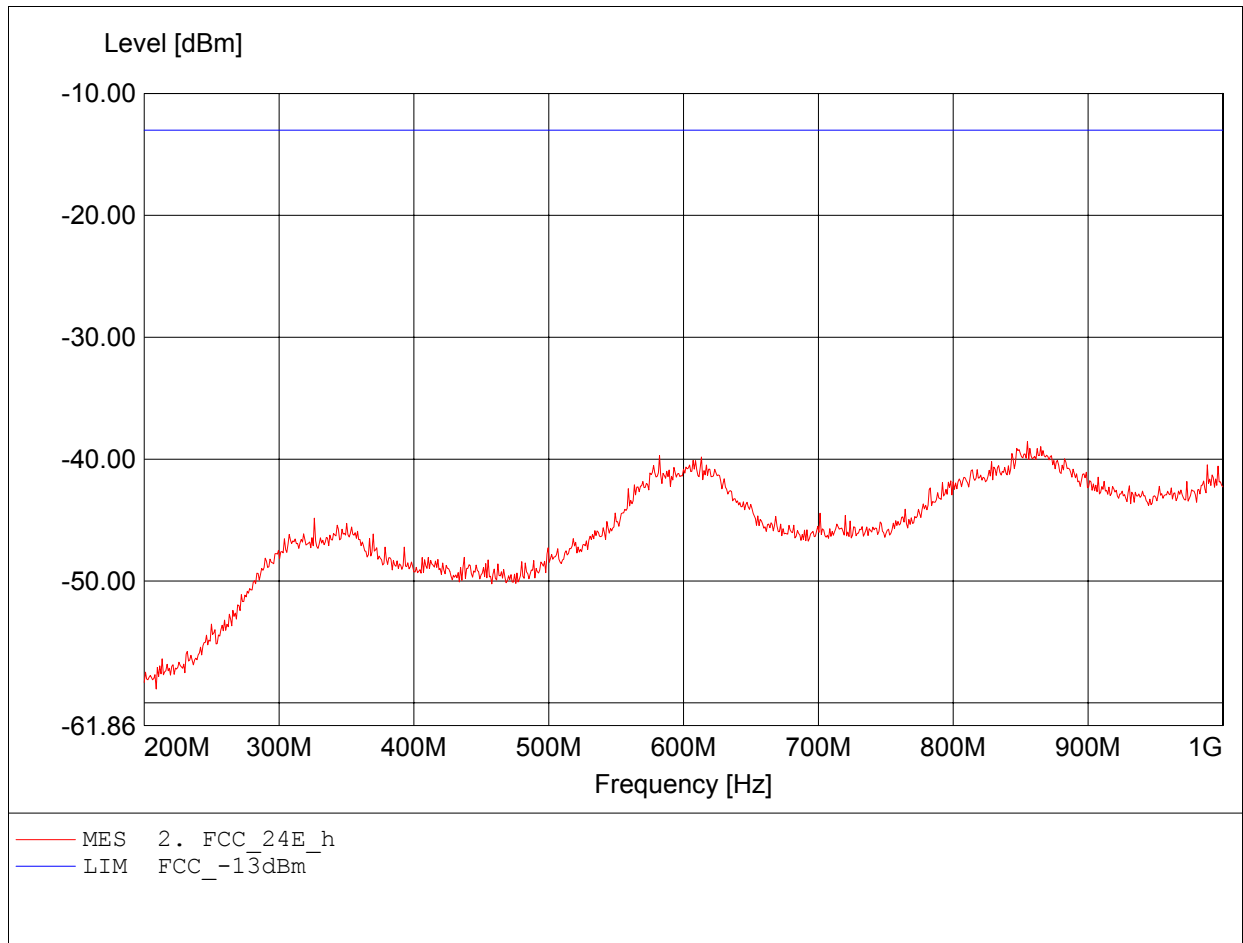
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 994.667MHz, Pmax: -39.61dBm, RBW: 1MHz



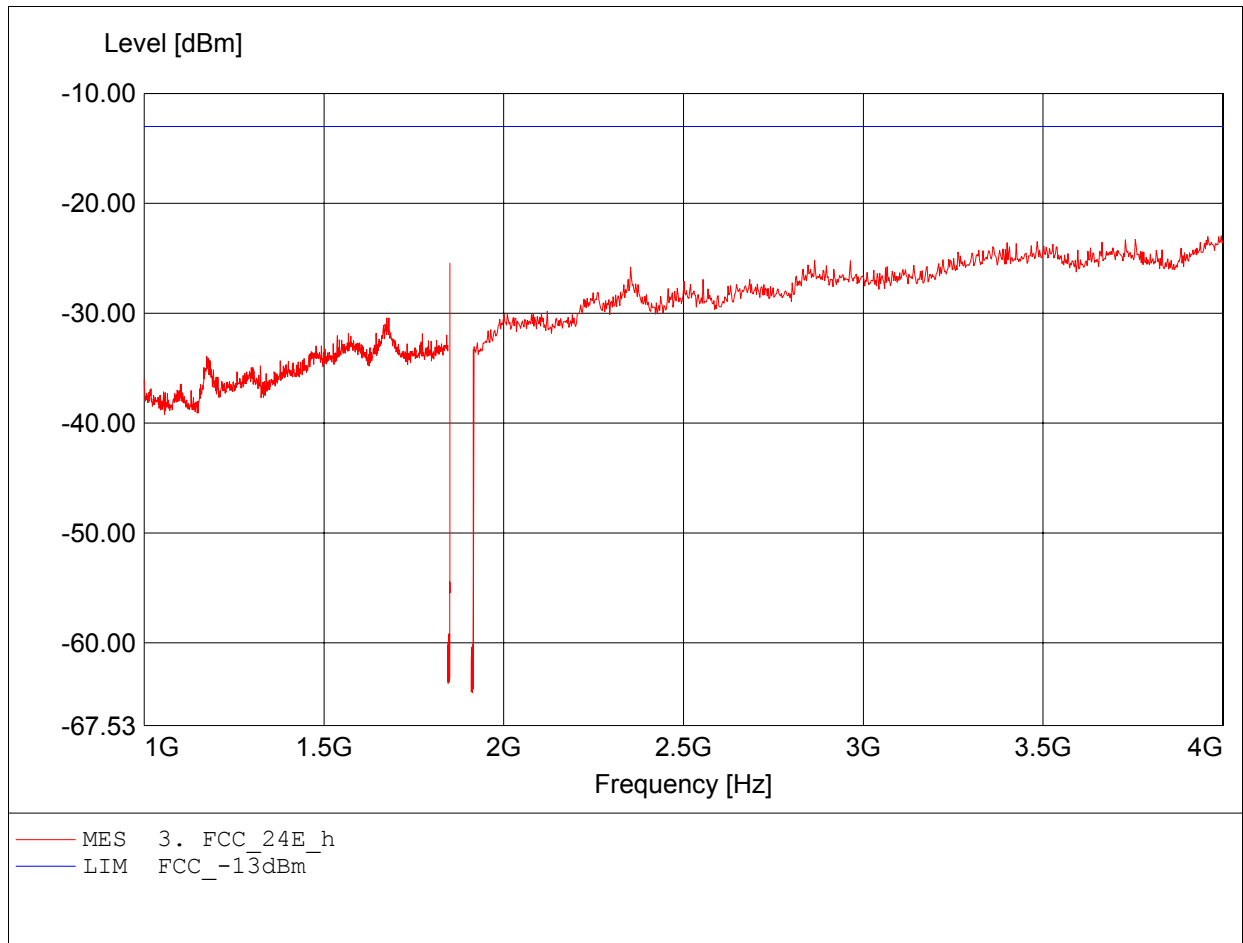
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 855.111MHz, Pmax: -38.56dBm, RBW: 1MHz



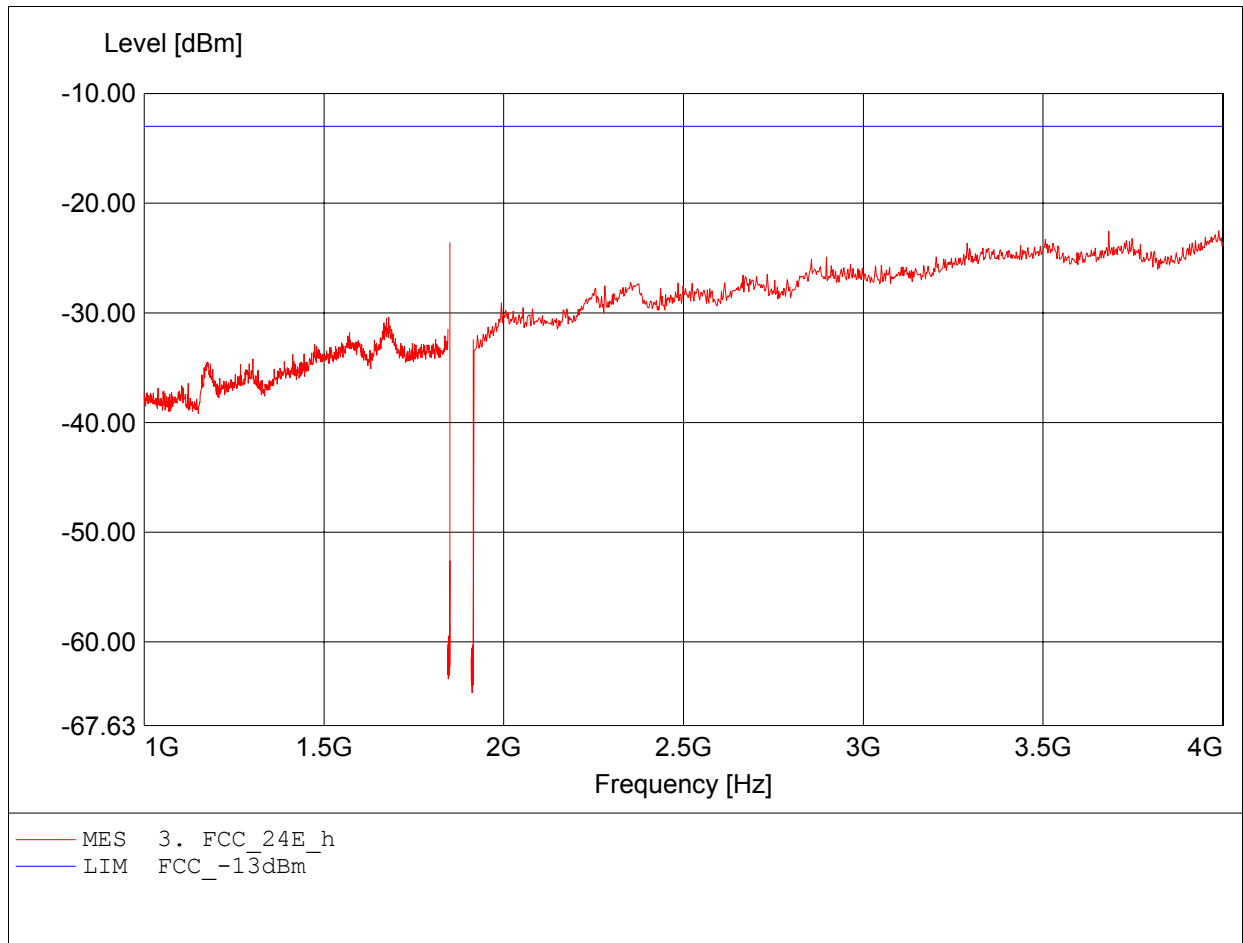
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.995GHz, Pmax: -22.96dBm, RBW: 1MHz/3kHz



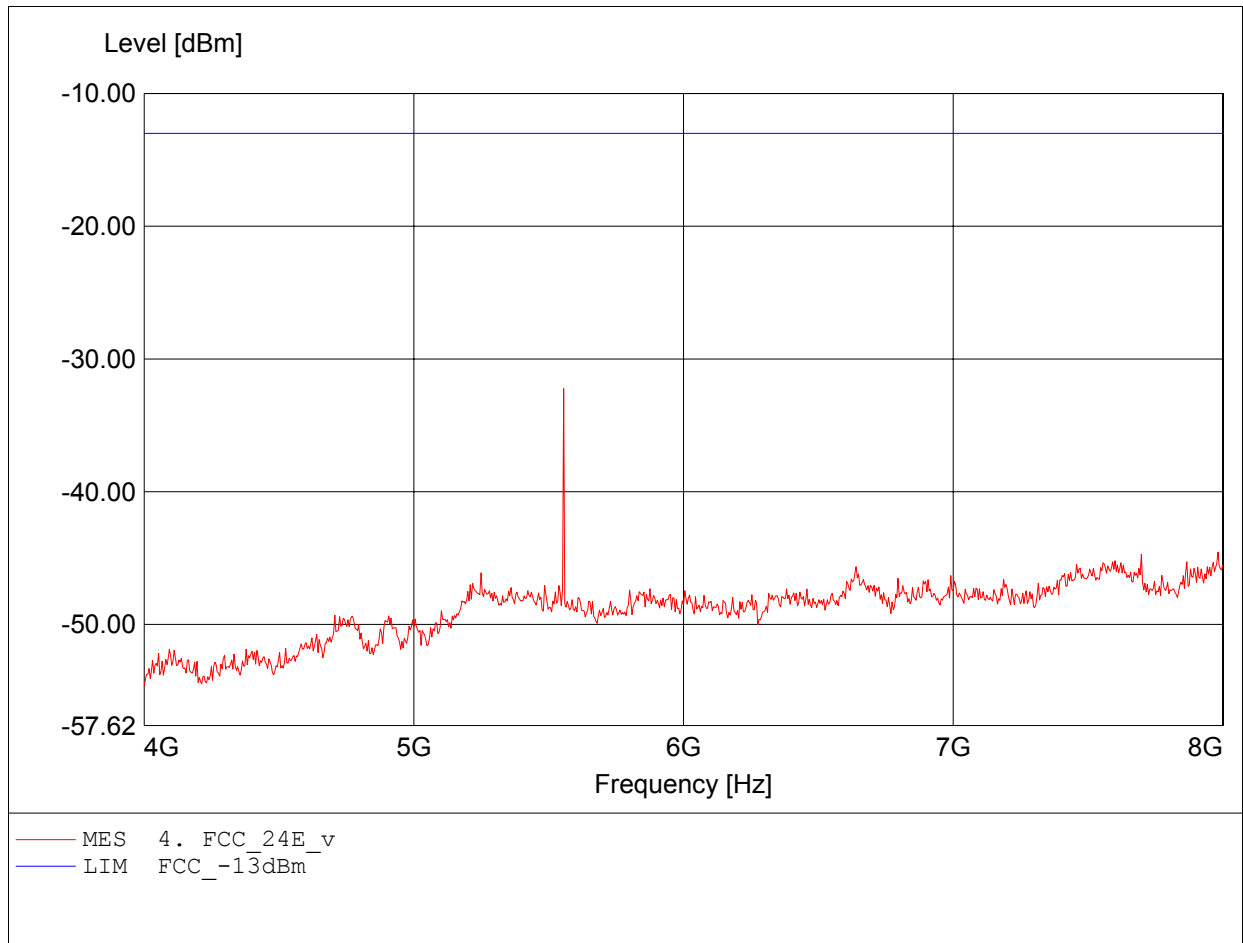
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.988GHz, Pmax: -22.53dBm, RBW: 1MHz/3kHz



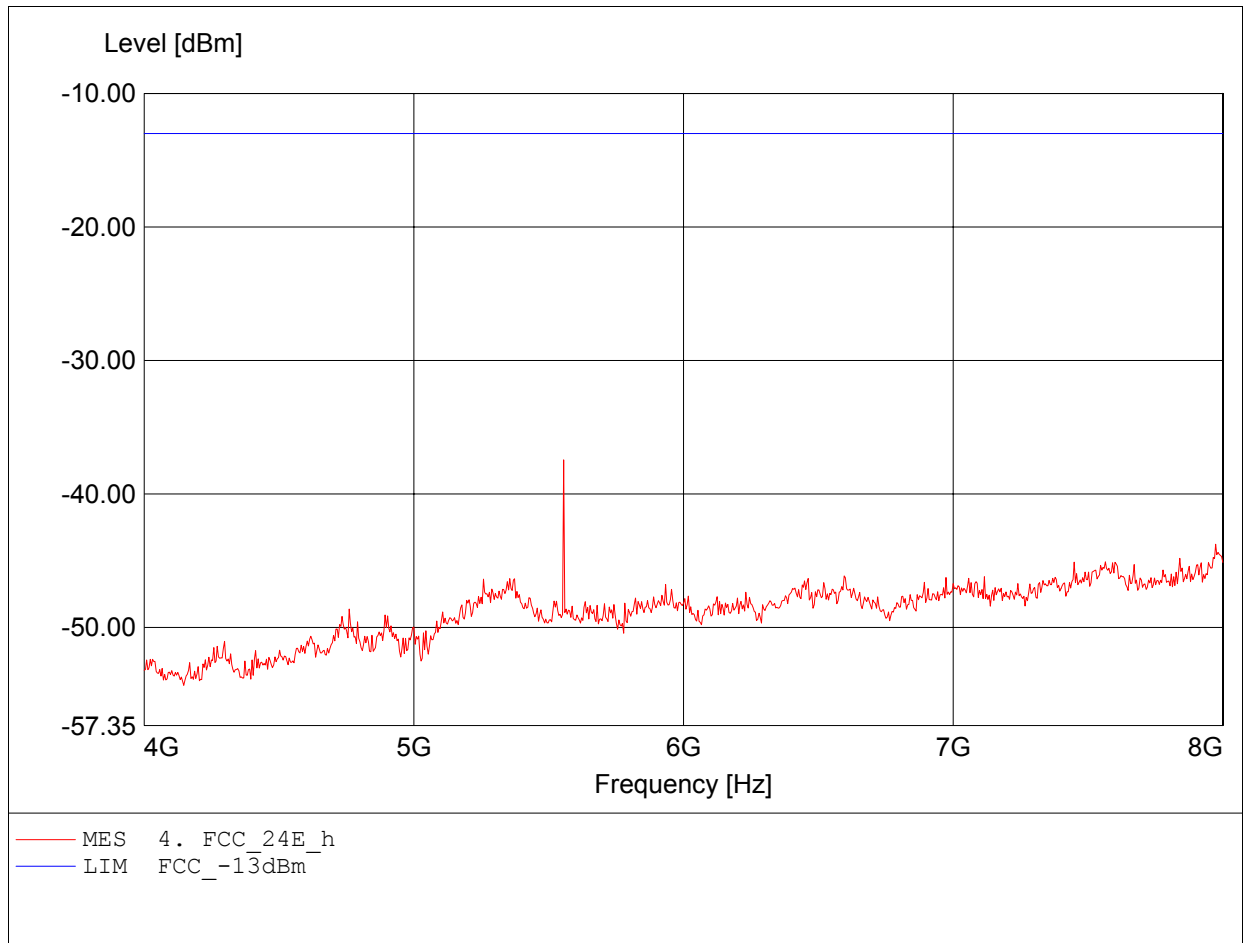
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.556GHz, Pmax: -32.23dBm, RBW: 1MHz



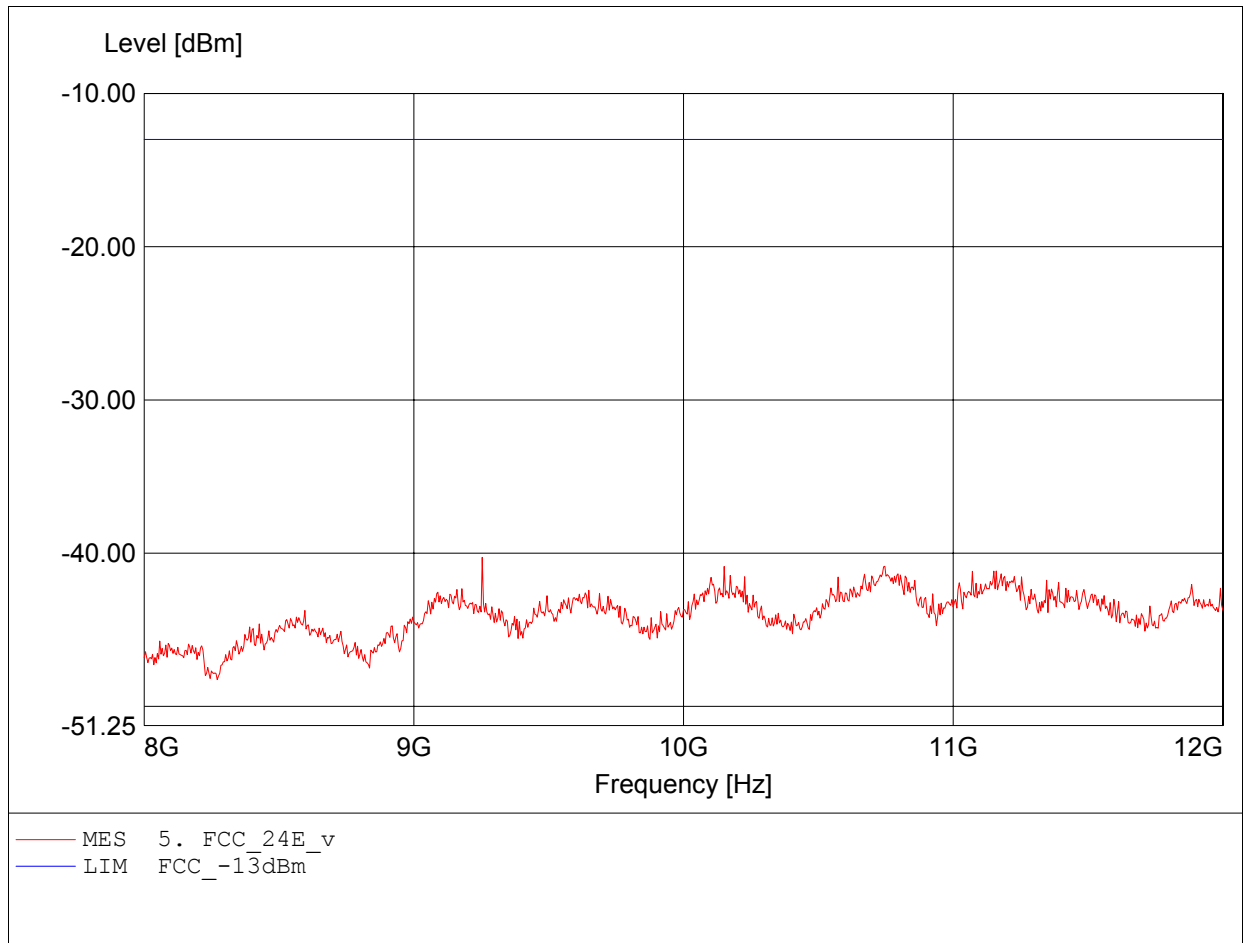
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.556GHz, Pmax: -37.45dBm, RBW: 1MHz



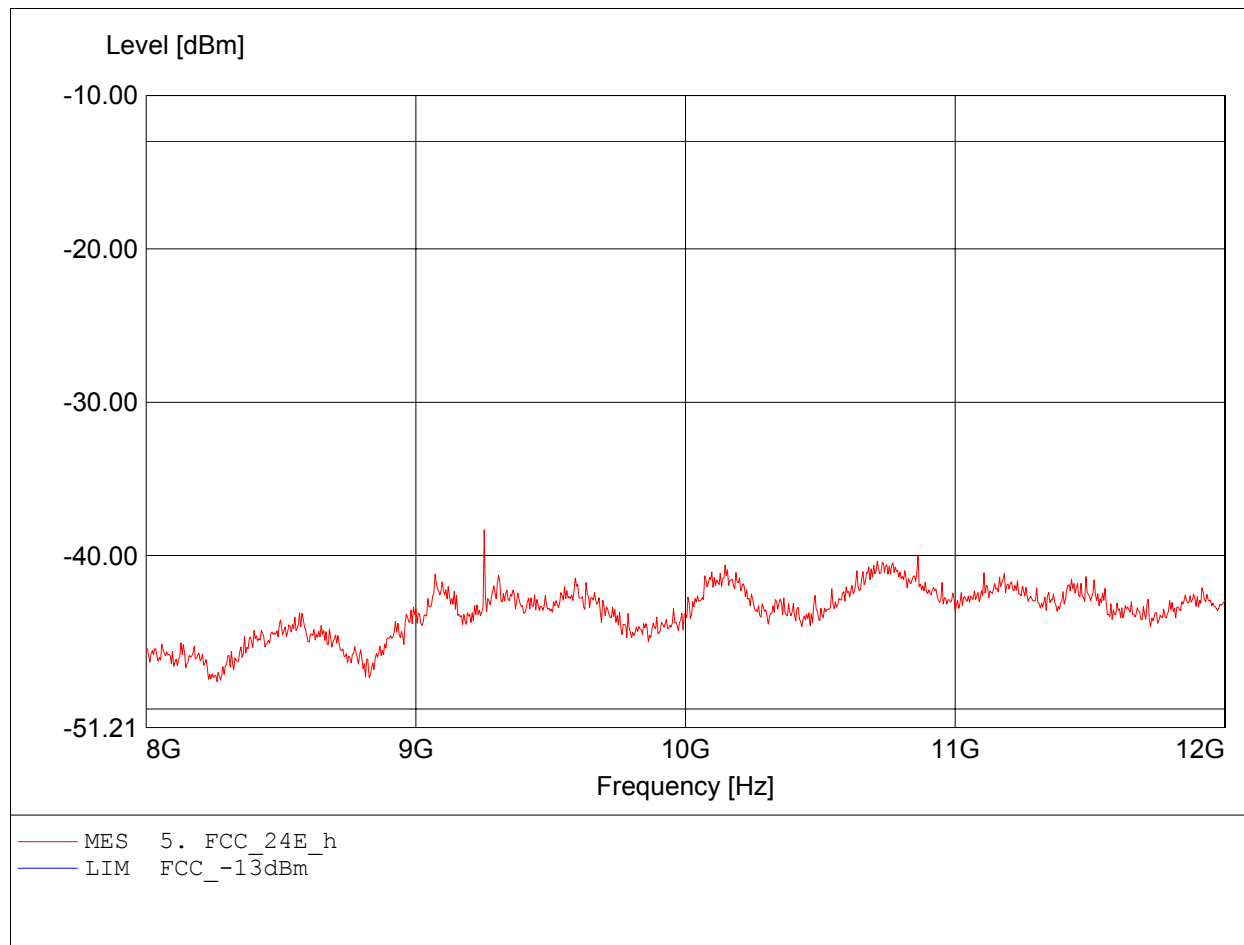
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 9.253GHz, Pmax: -40.27dBm, RBW: 1MHz



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

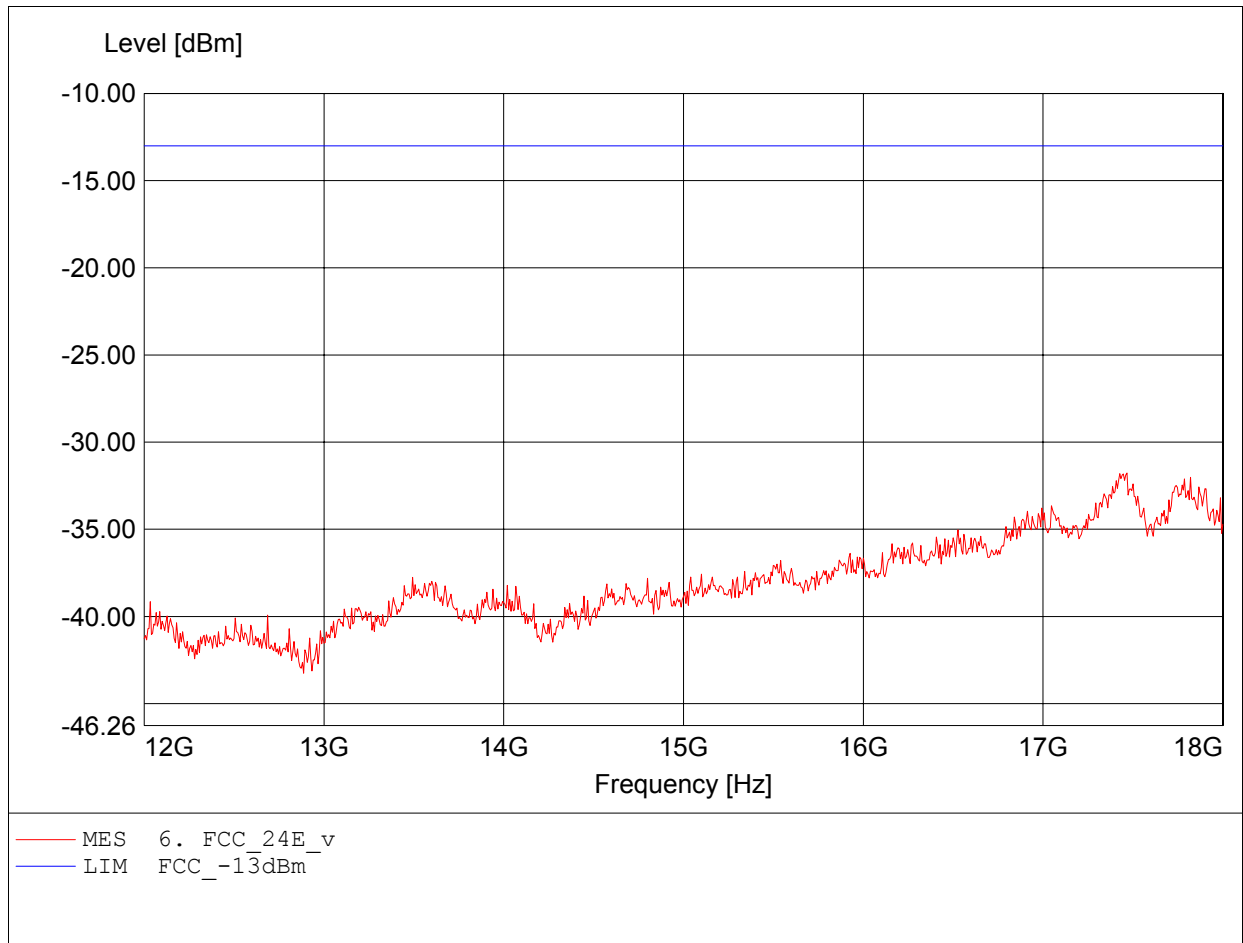
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EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 9.253GHz, Pmax: -38.32dBm, RBW: 1MHz





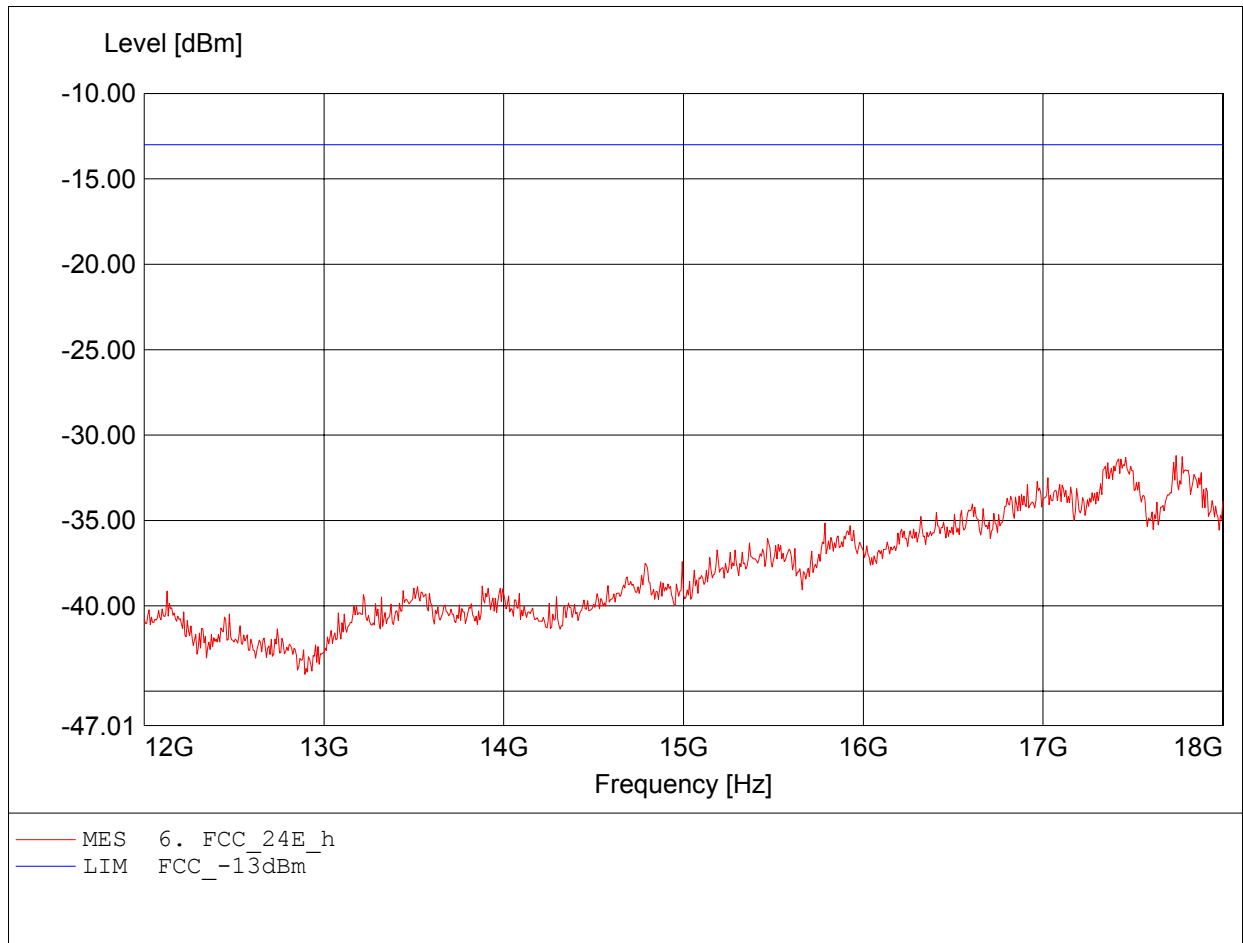
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.467GHz, Pmax: -31.77dBm, RBW: 1MHz



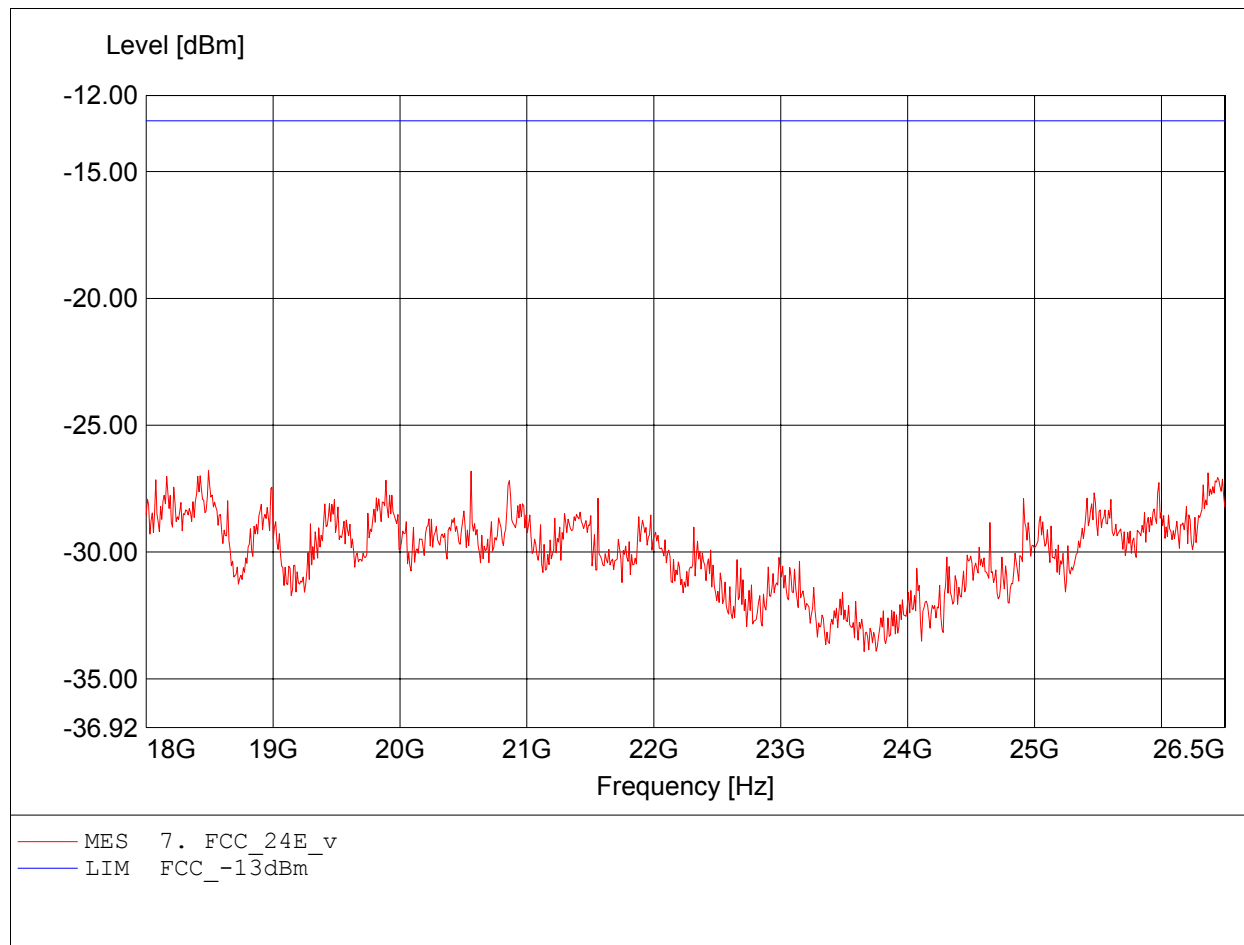
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.740GHz, Pmax: -31.20dBm, RBW: 1MHz



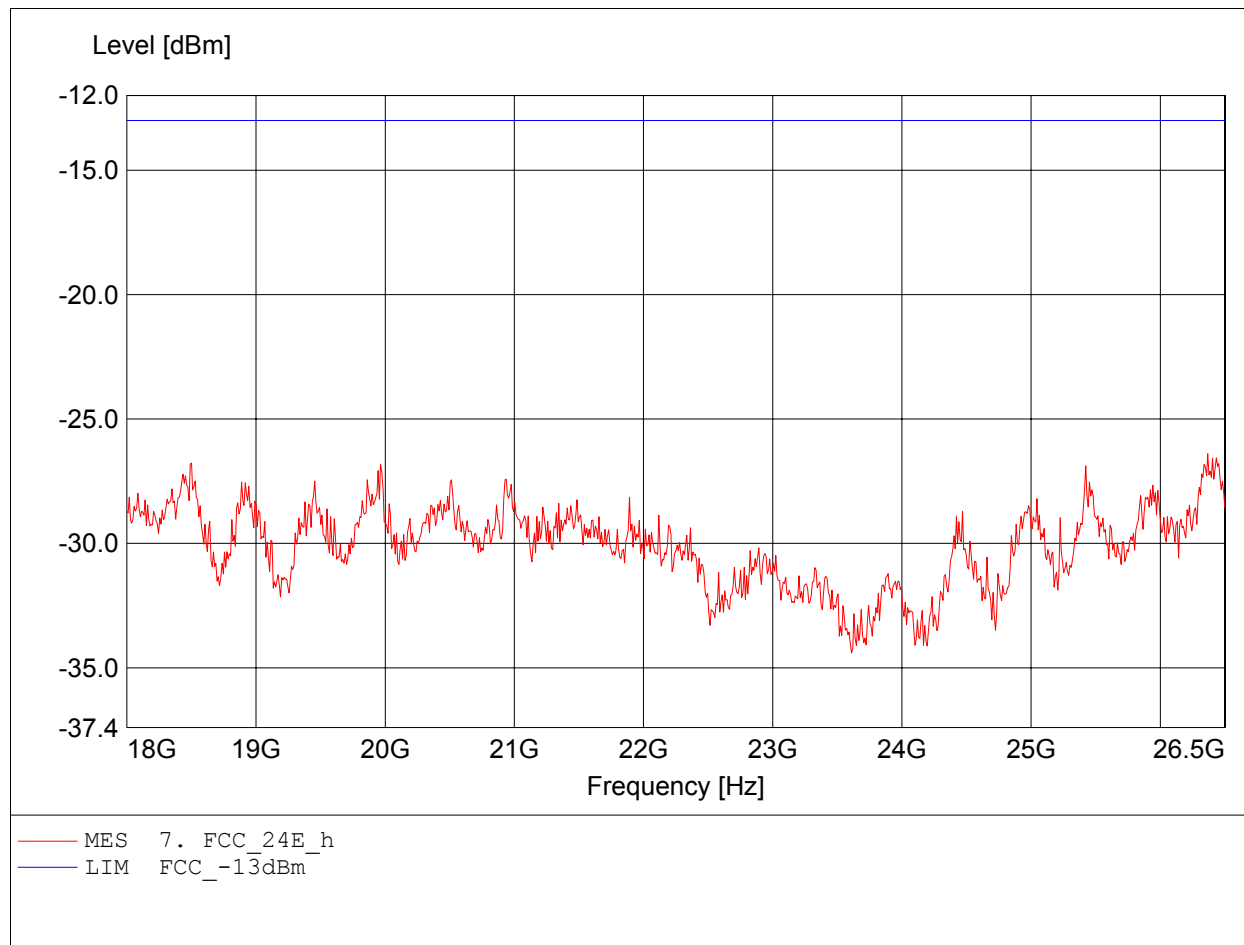
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 18.491GHz, Pmax: -26.79dBm, RBW: 1MHz



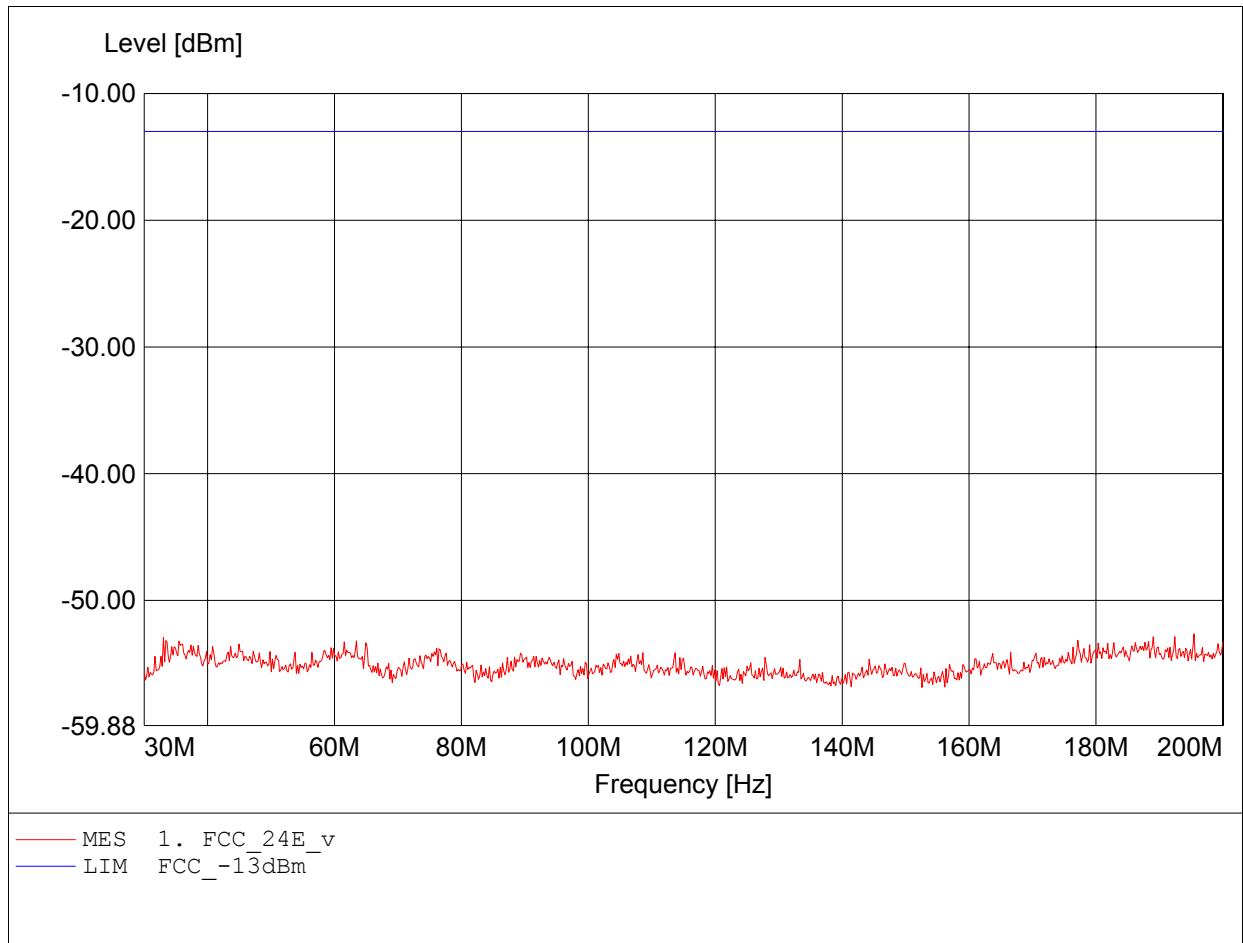
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 512  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.368GHz, Pmax: -26.39dBm, RBW: 1MHz



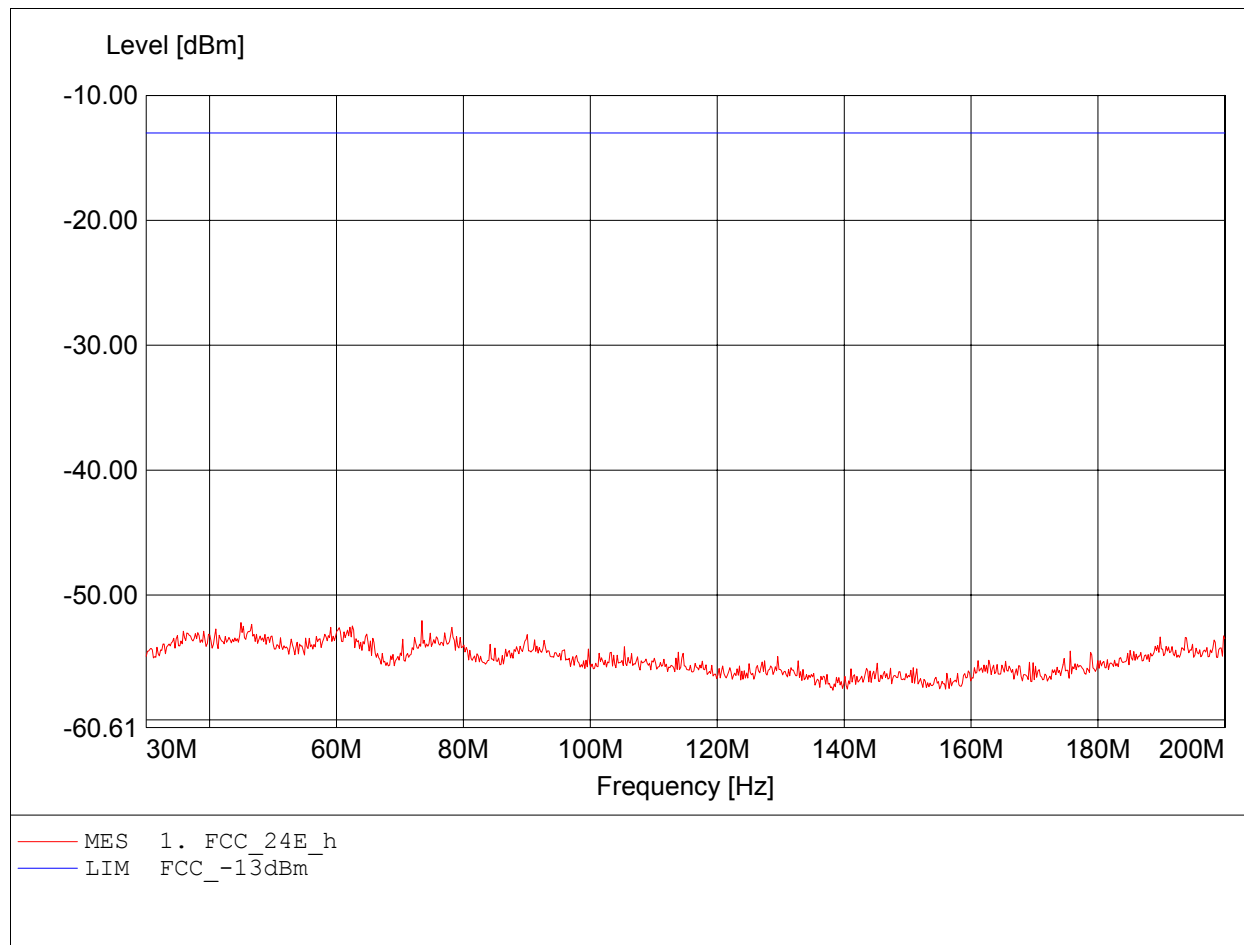
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 195.467MHz, Pmax: -52.65dBm, RBW: 1MHz



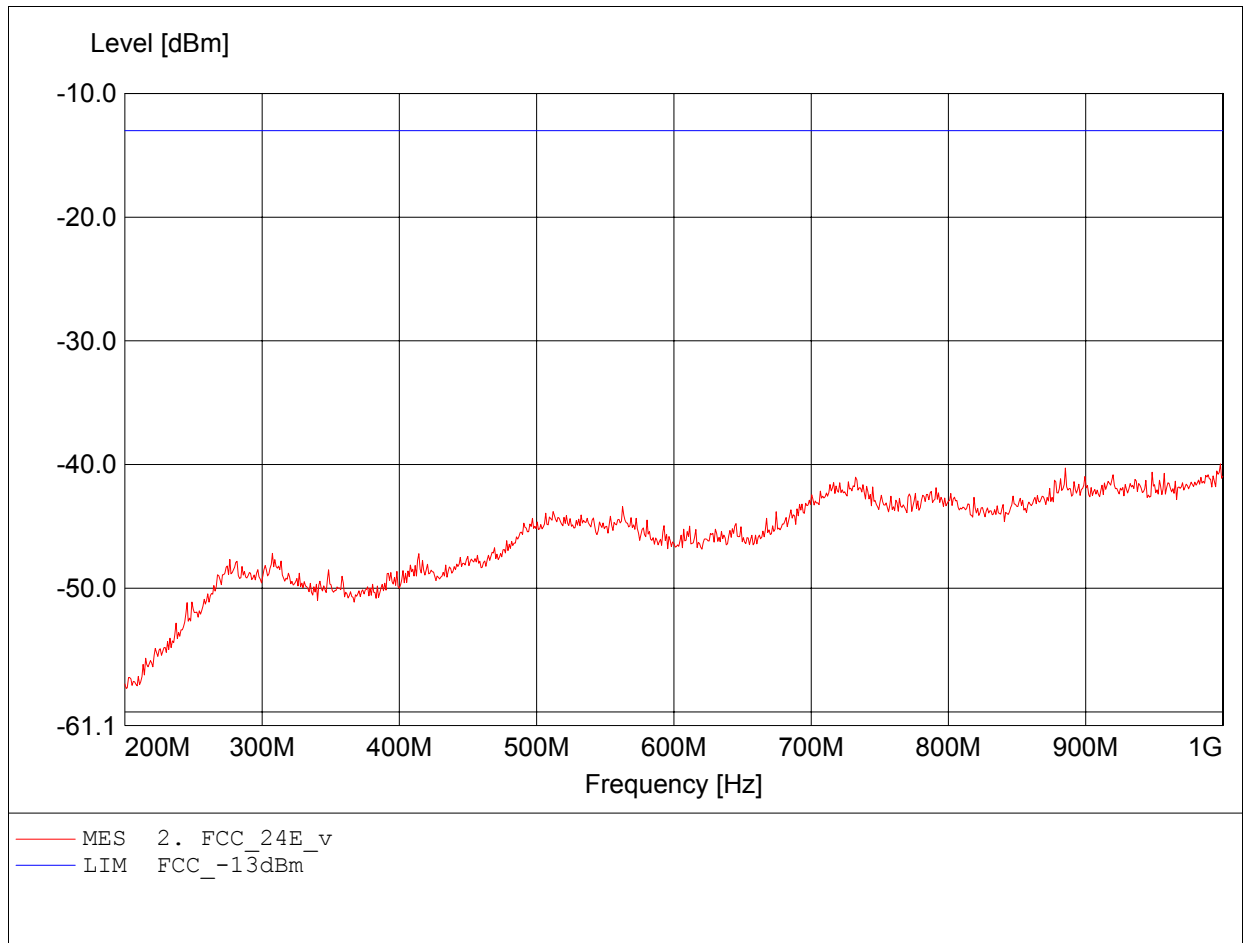
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
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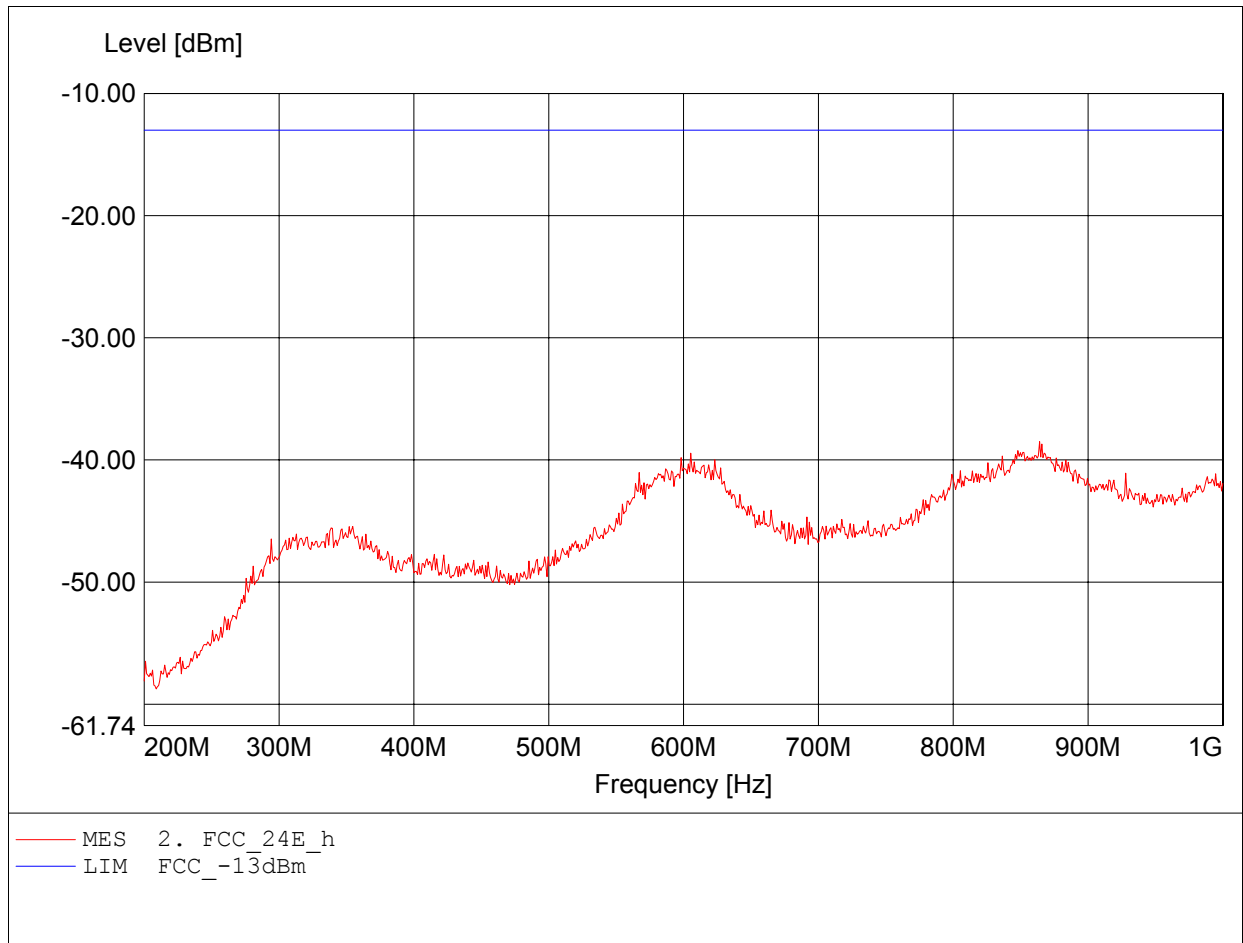
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**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 998.222MHz, Pmax: -39.93dBm, RBW: 1MHz



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

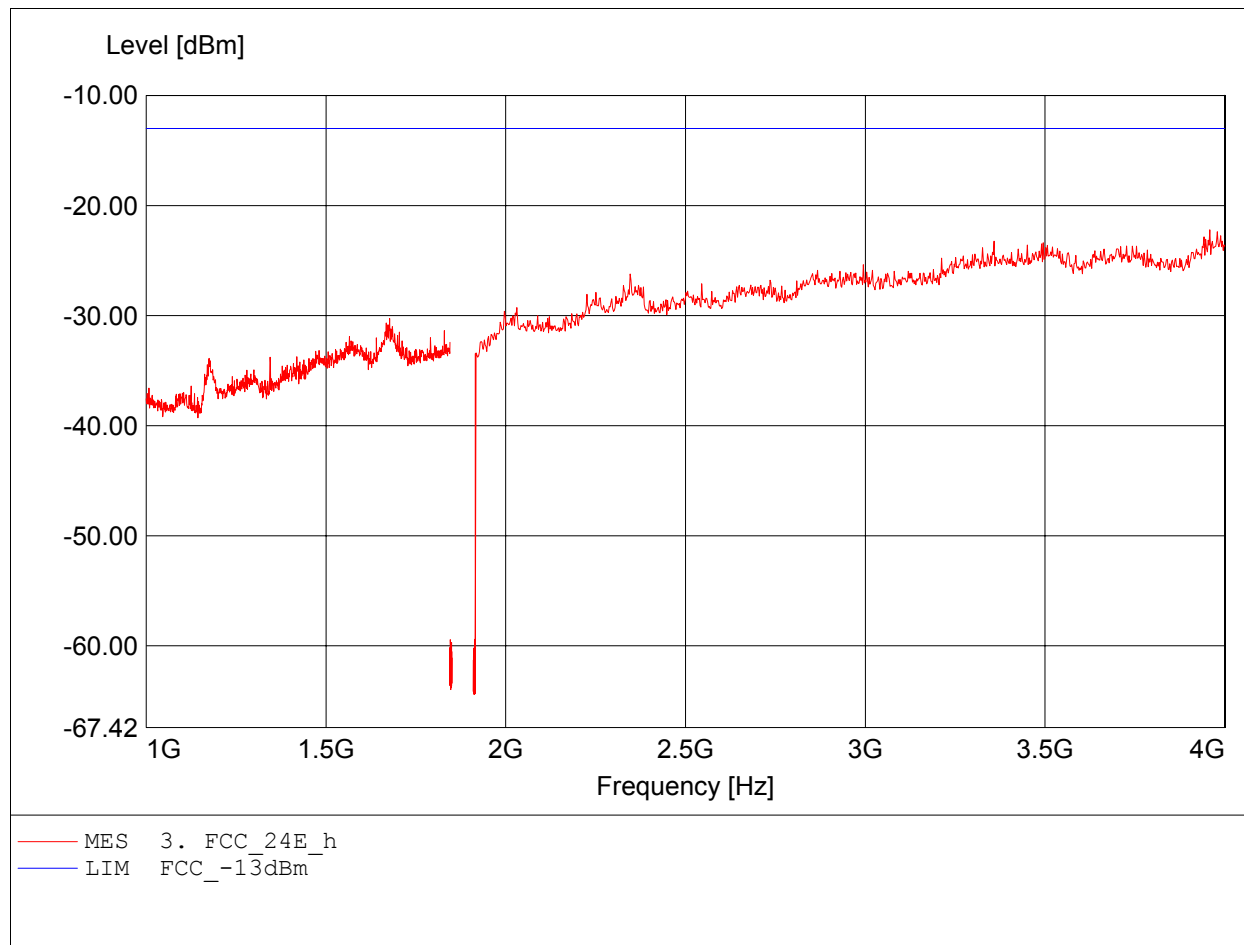
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EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 864.000MHz, Pmax: -38.50dBm, RBW: 1MHz





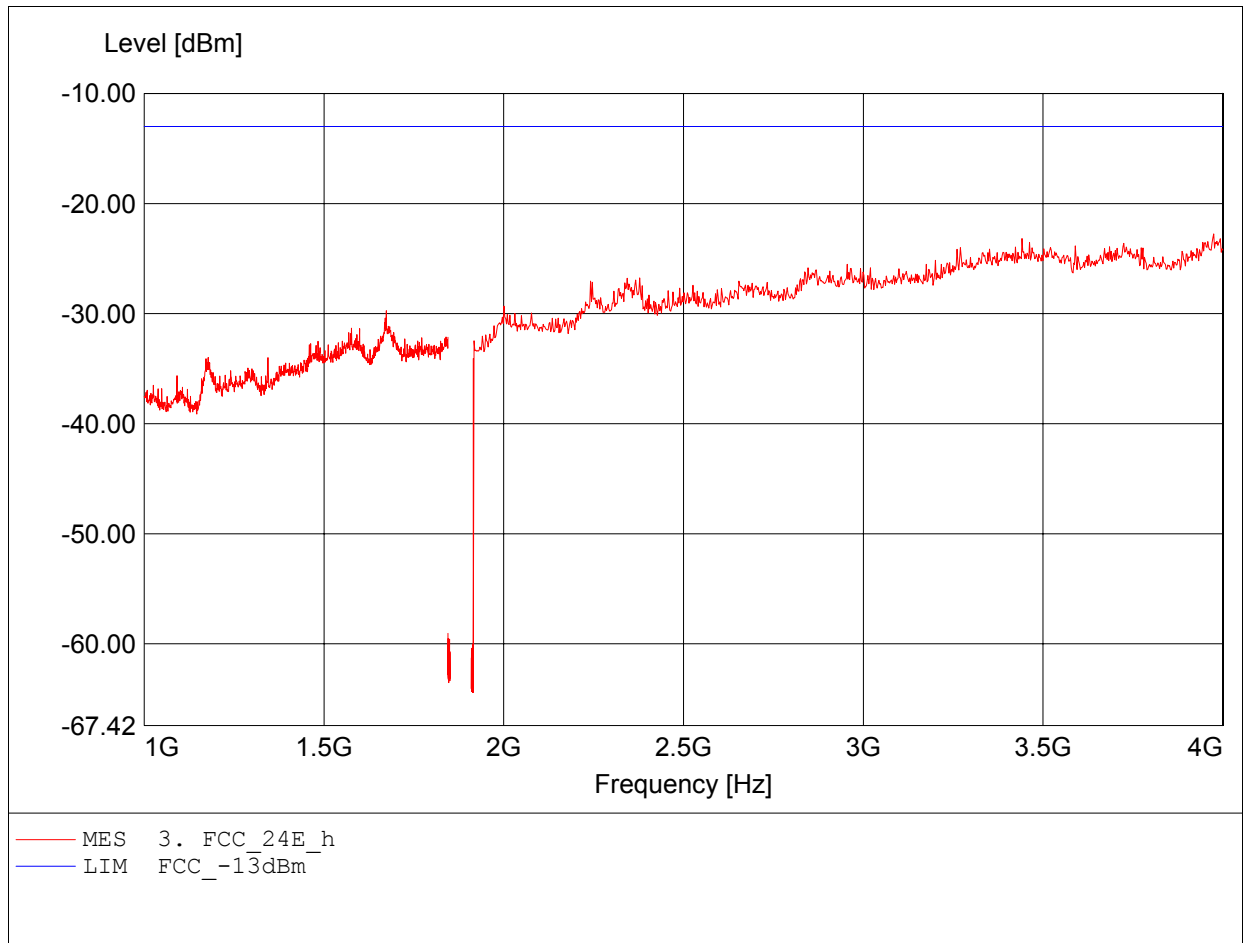
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.958GHz, Pmax: -22.20dBm, RBW: 1MHz/3kHz



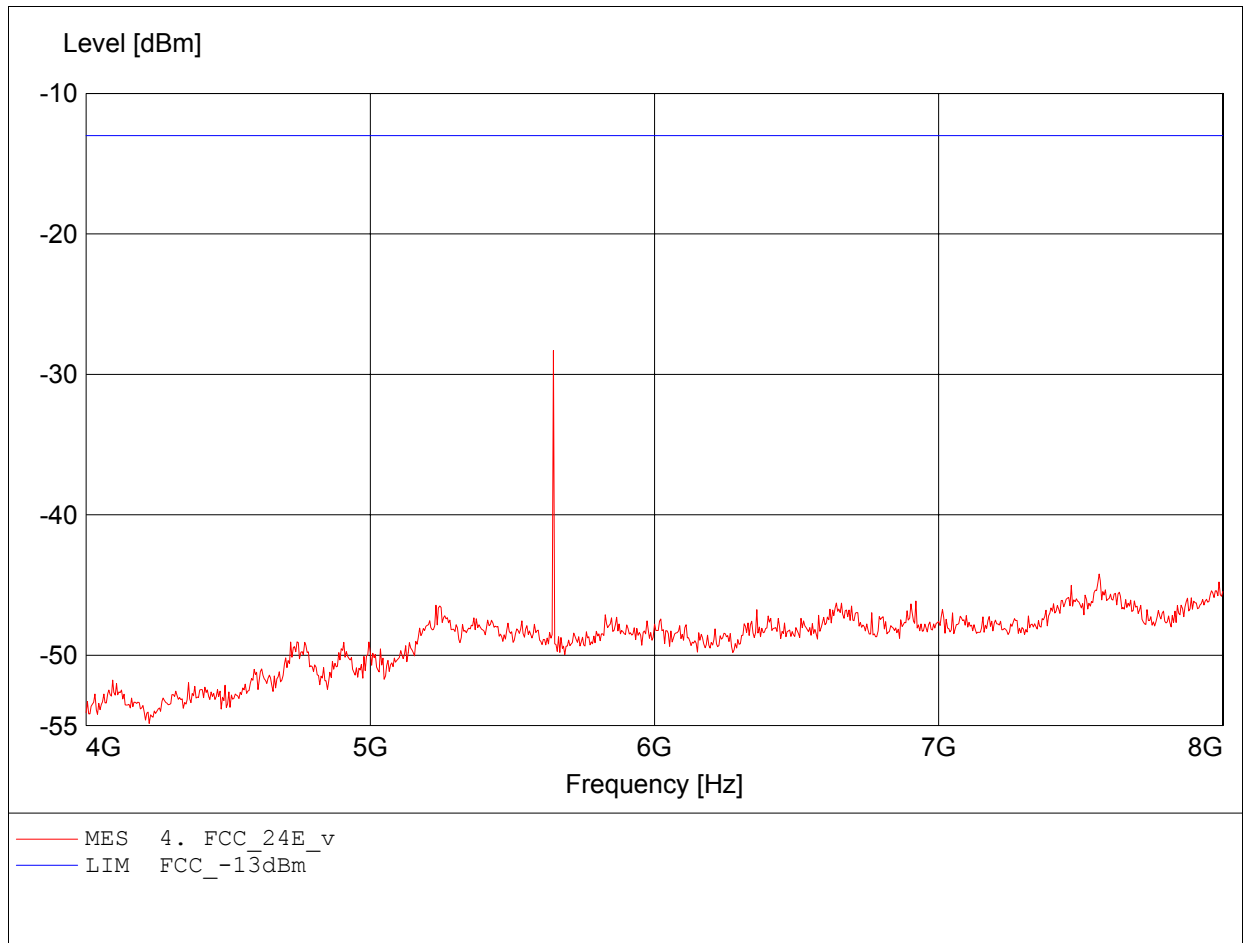
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.975GHz, Pmax: -22.76dBm, RBW: 1MHz/3kHz



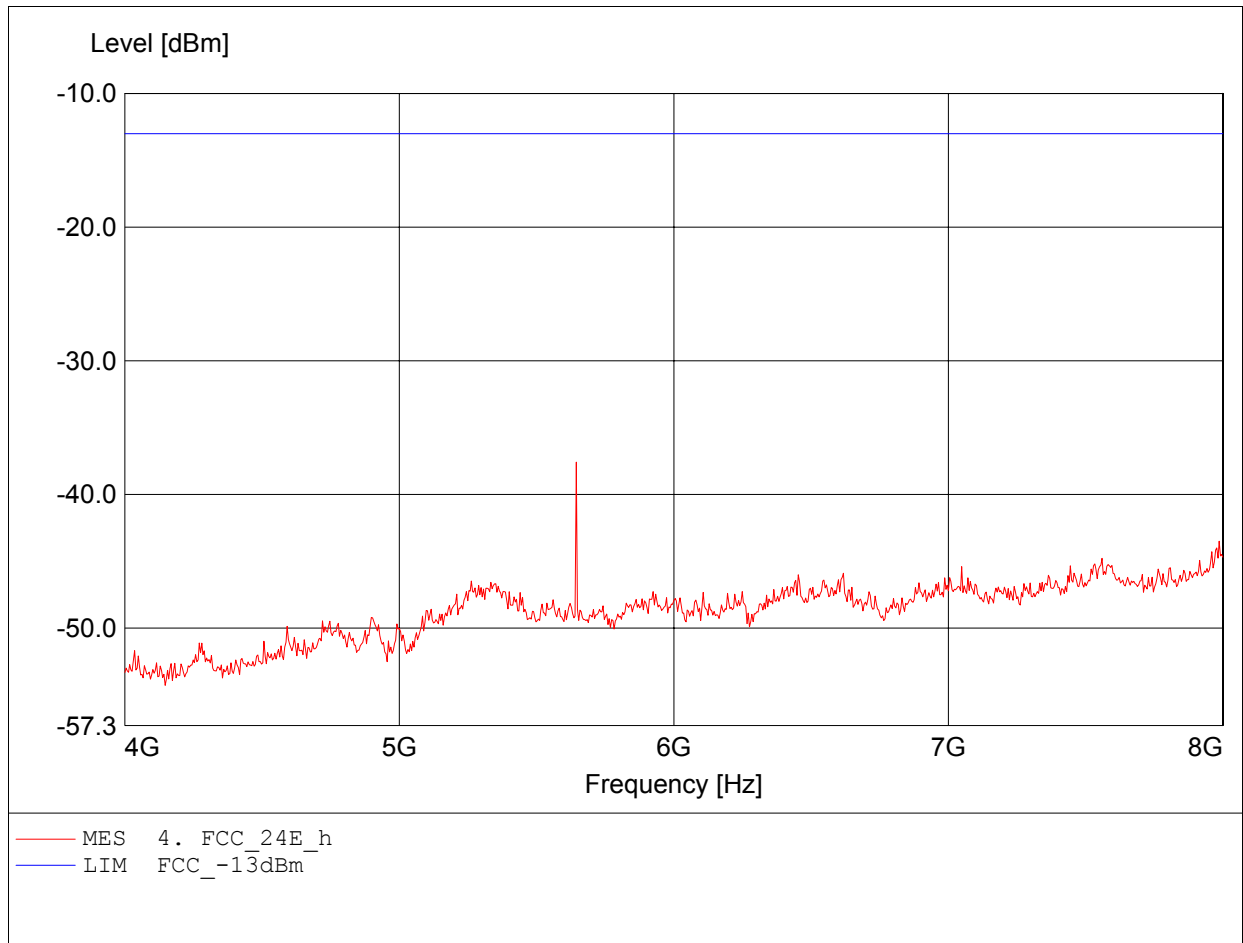
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.644GHz, Pmax: -28.30dBm, RBW: 1MHz



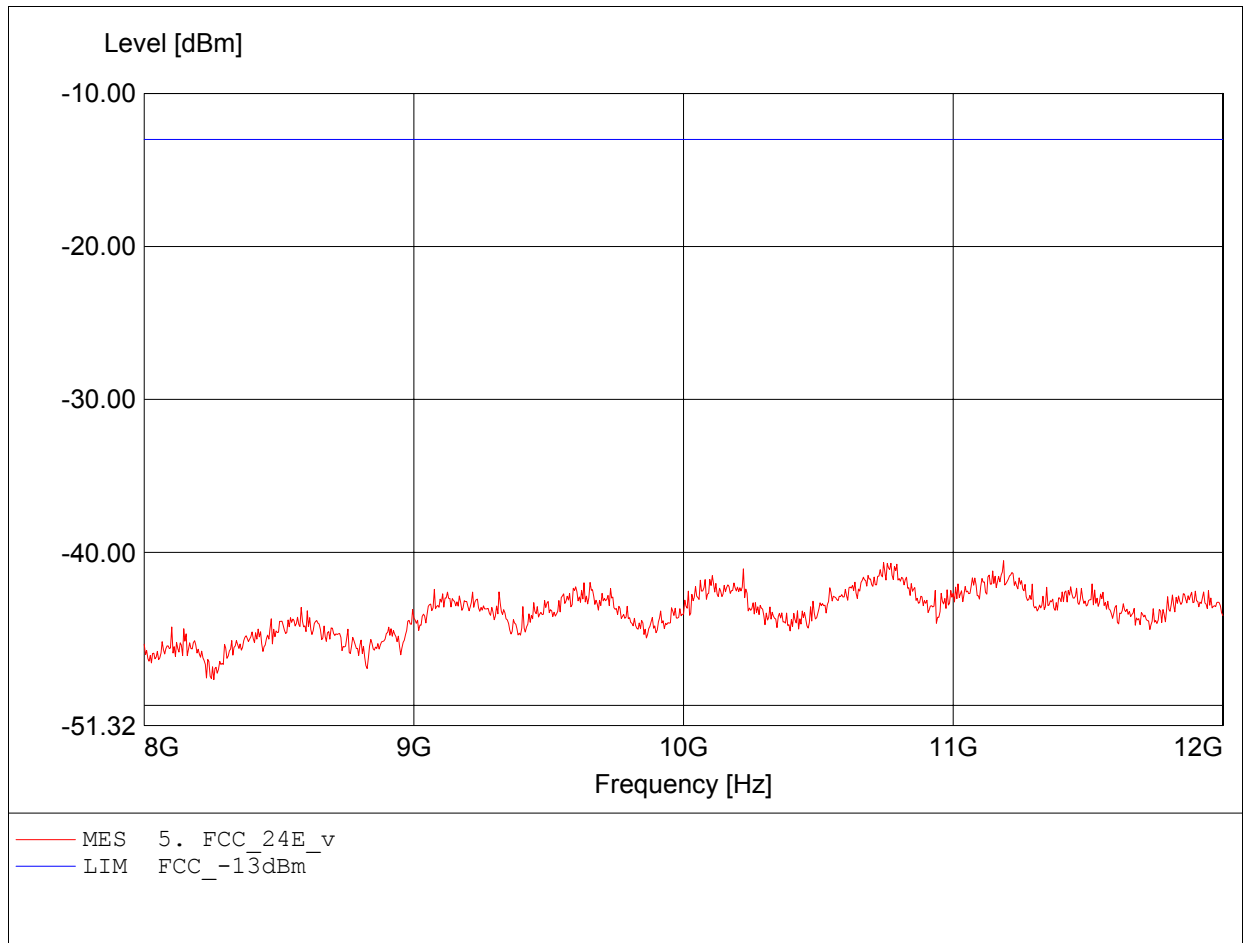
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.644GHz, Pmax: -37.58dBm, RBW: 1MHz



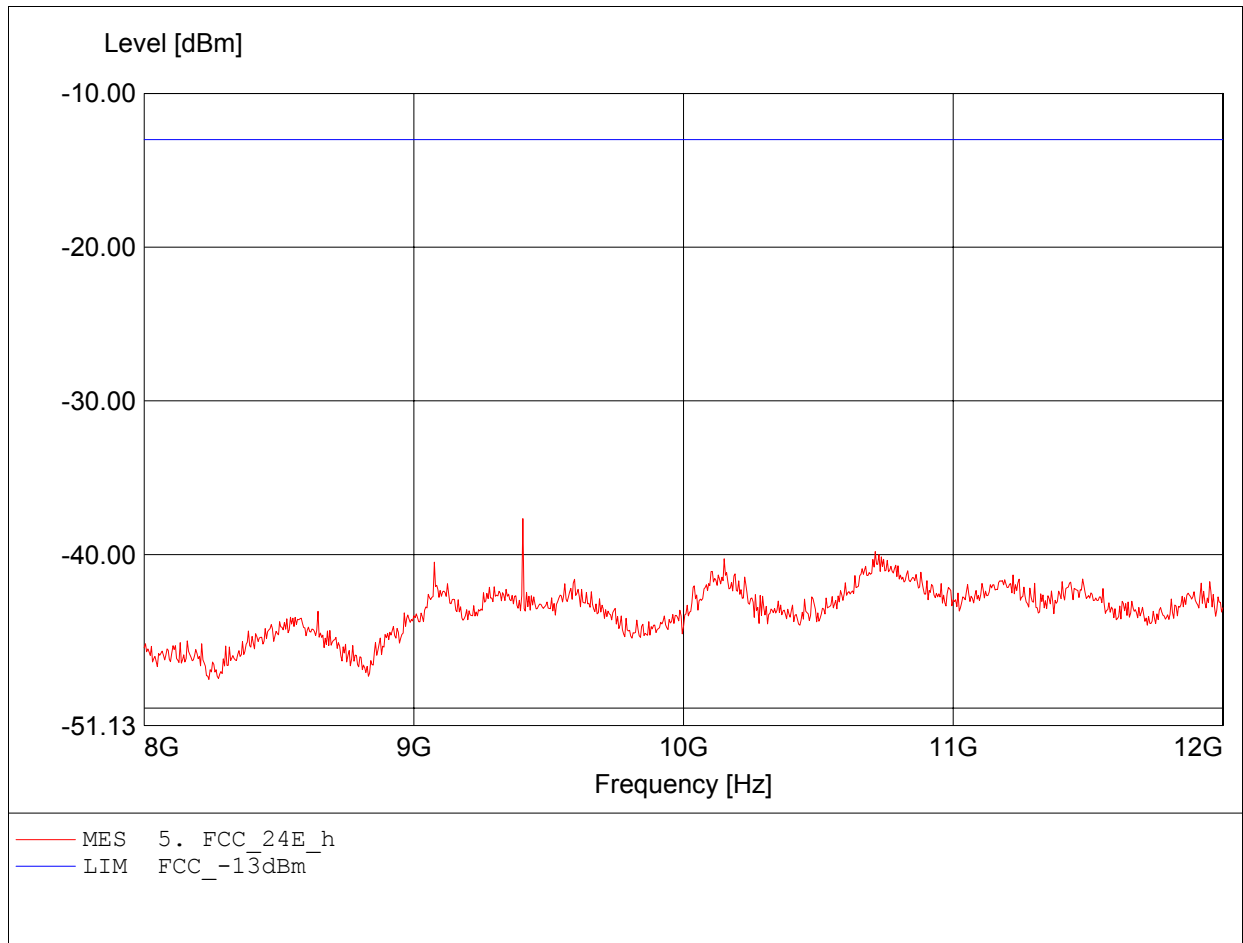
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.187GHz, Pmax: -40.54dBm, RBW: 1MHz



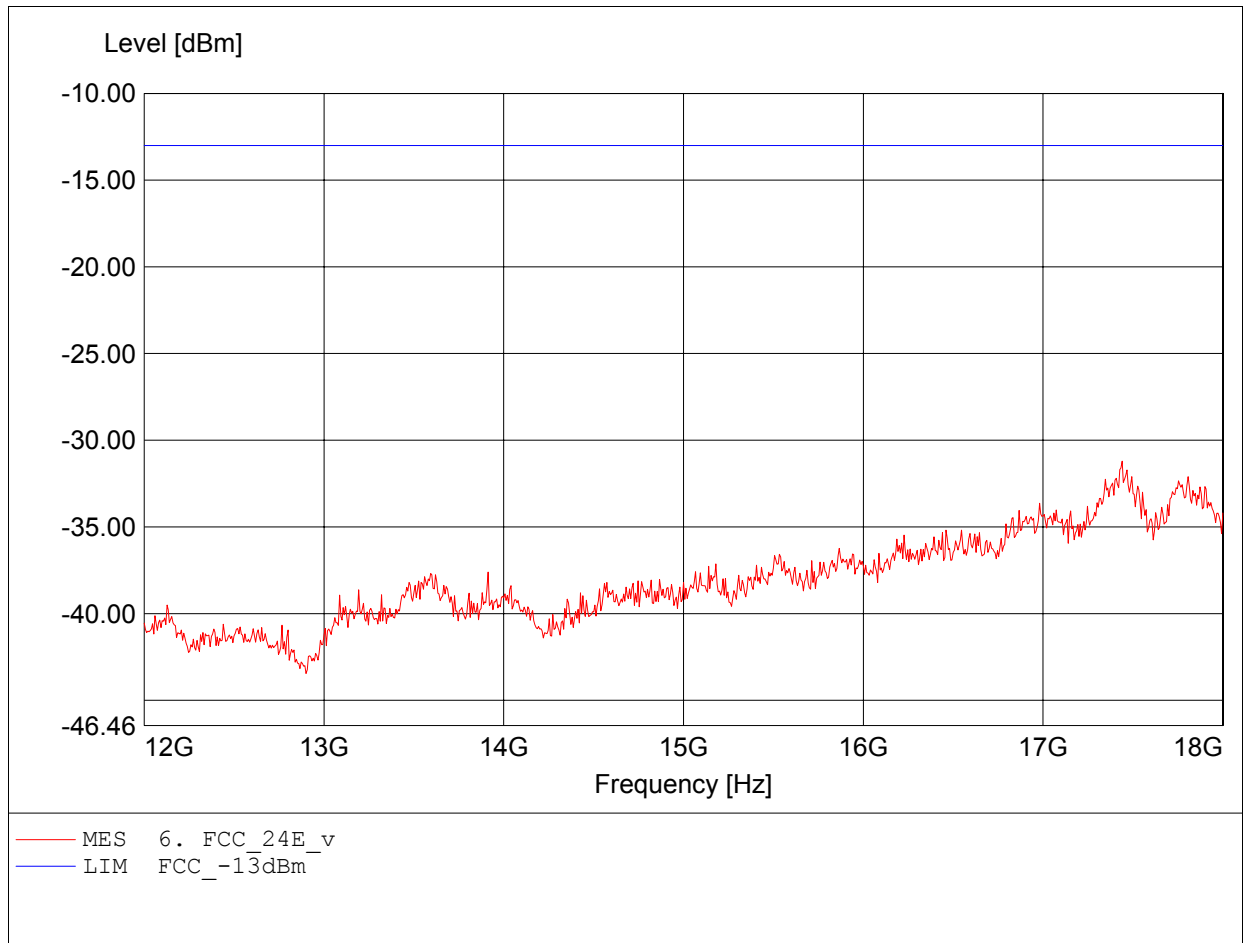
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 9.404GHz, Pmax: -37.66dBm, RBW: 1MHz



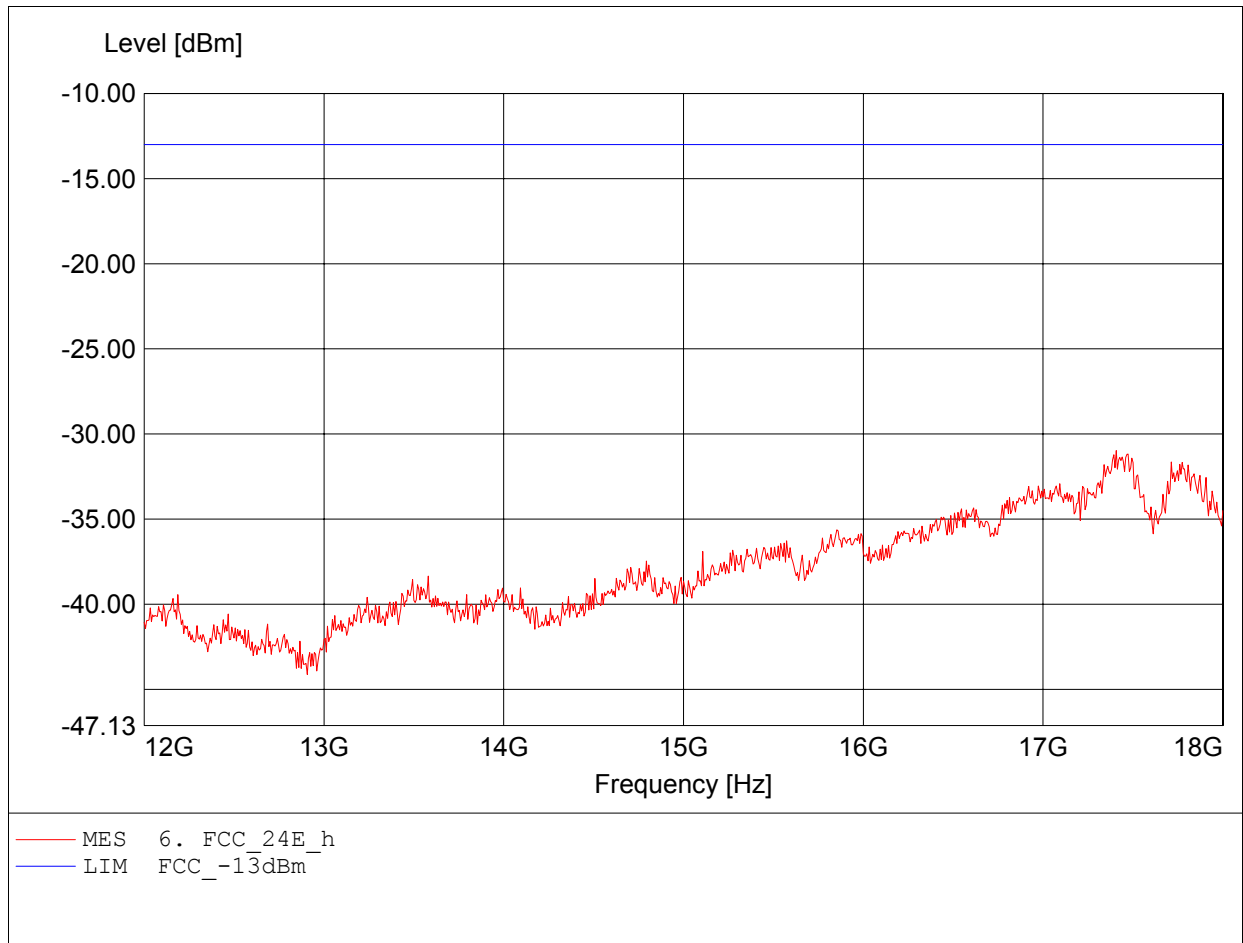
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.440GHz, Pmax: -31.21dBm, RBW: 1MHz



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

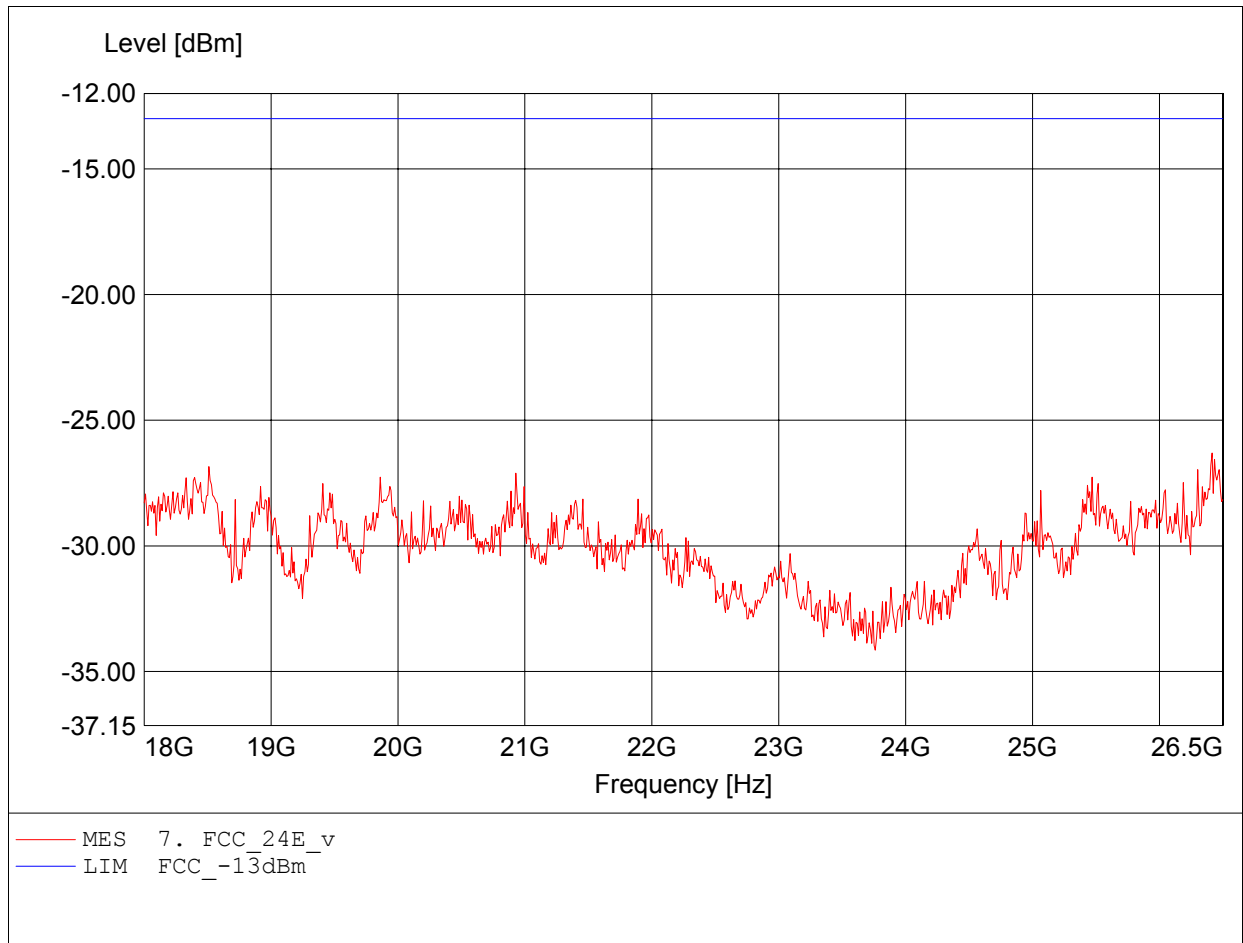
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EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.407GHz, Pmax: -30.98dBm, RBW: 1MHz





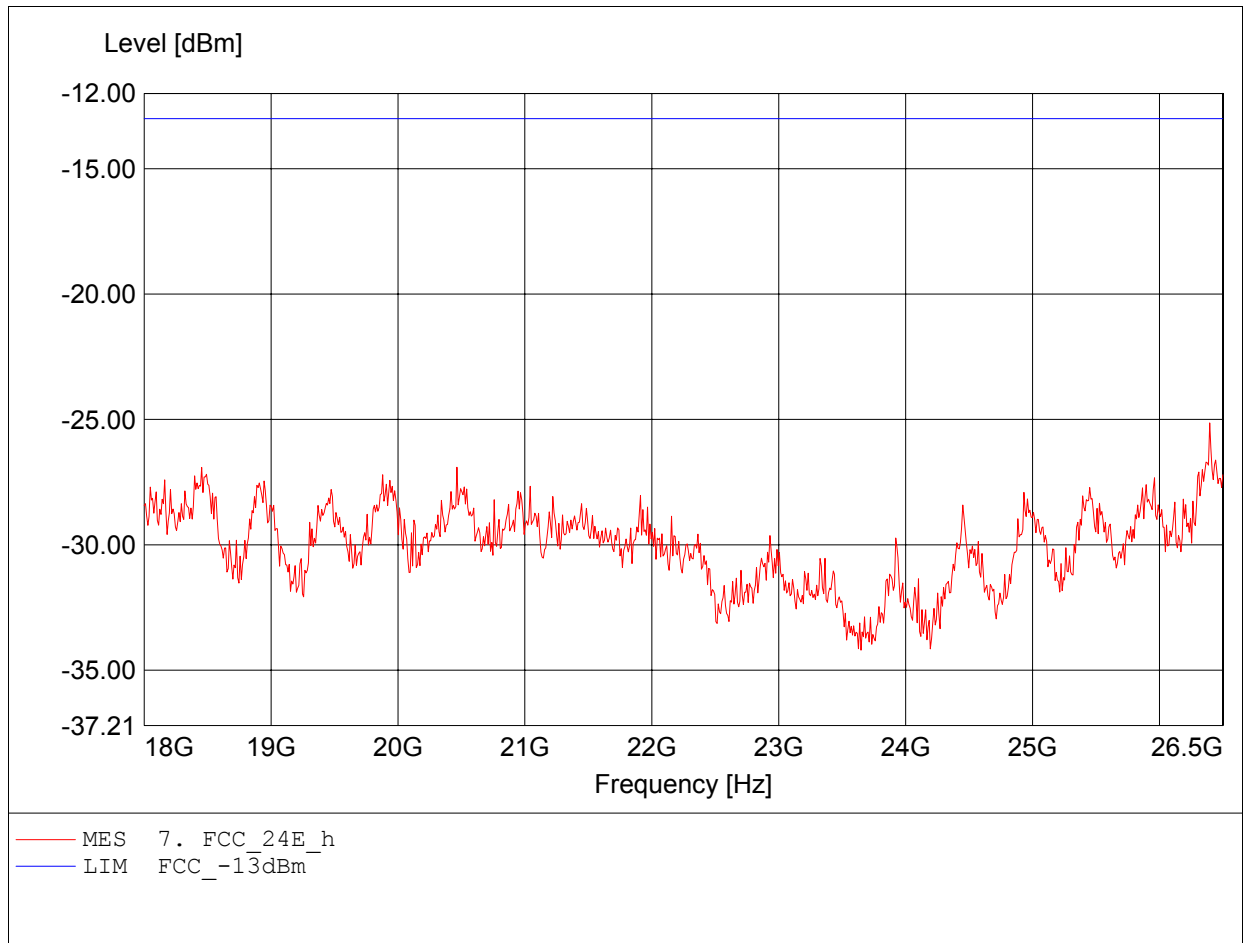
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.415GHz, Pmax: -26.31dBm, RBW: 1MHz



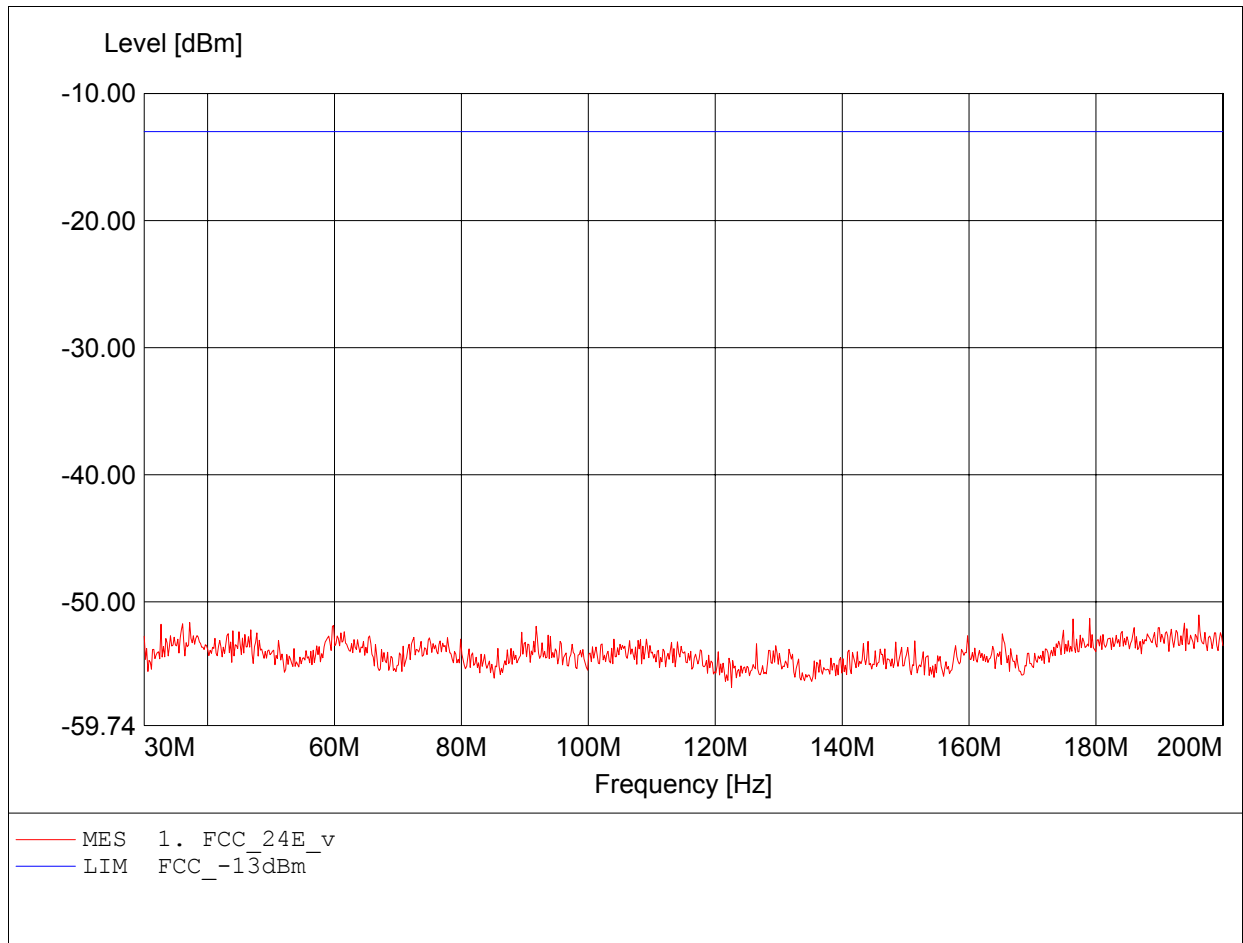
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 661  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.396GHz, Pmax: -25.14dBm, RBW: 1MHz



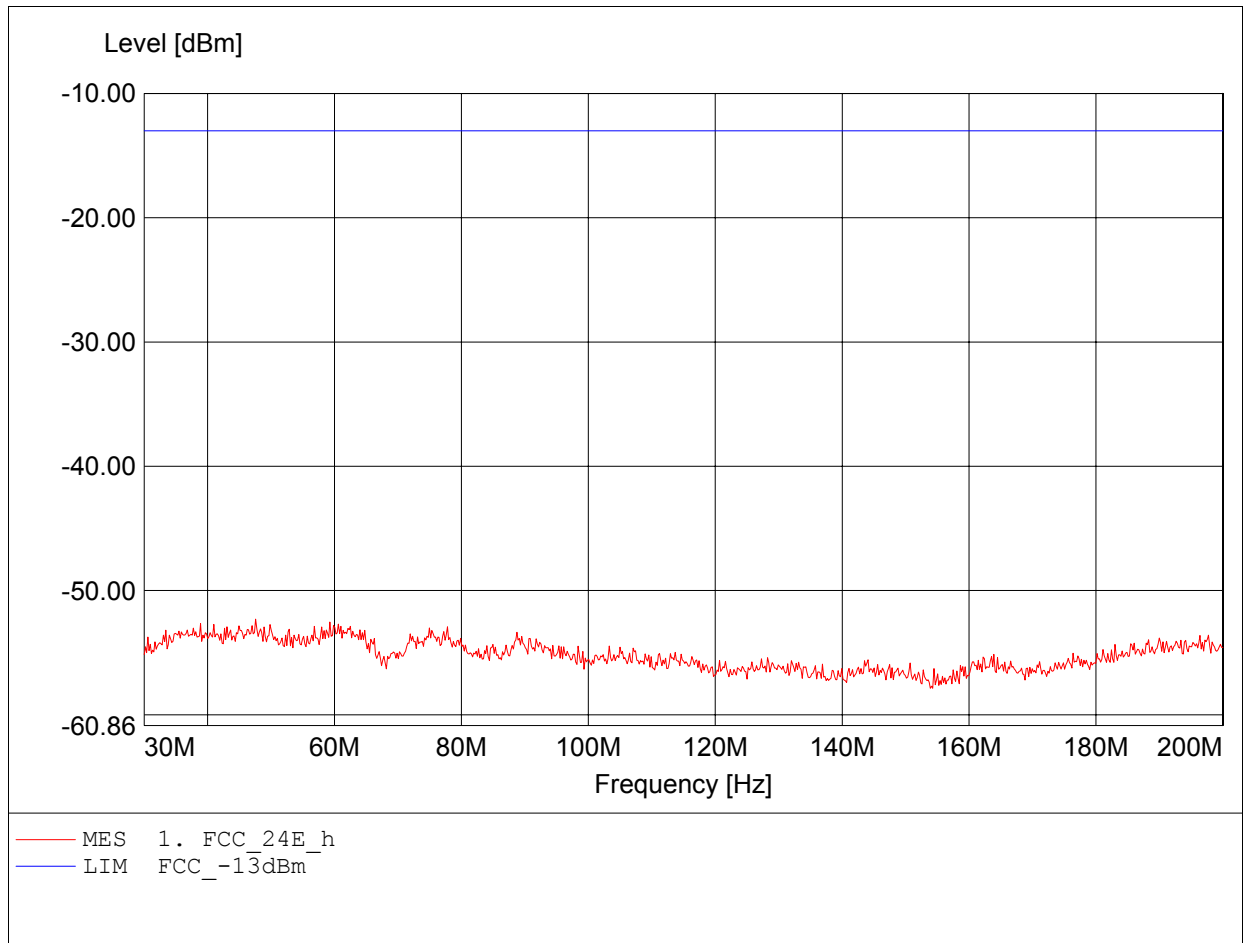
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 196.222MHz, Pmax: -51.04dBm, RBW: 1MHz



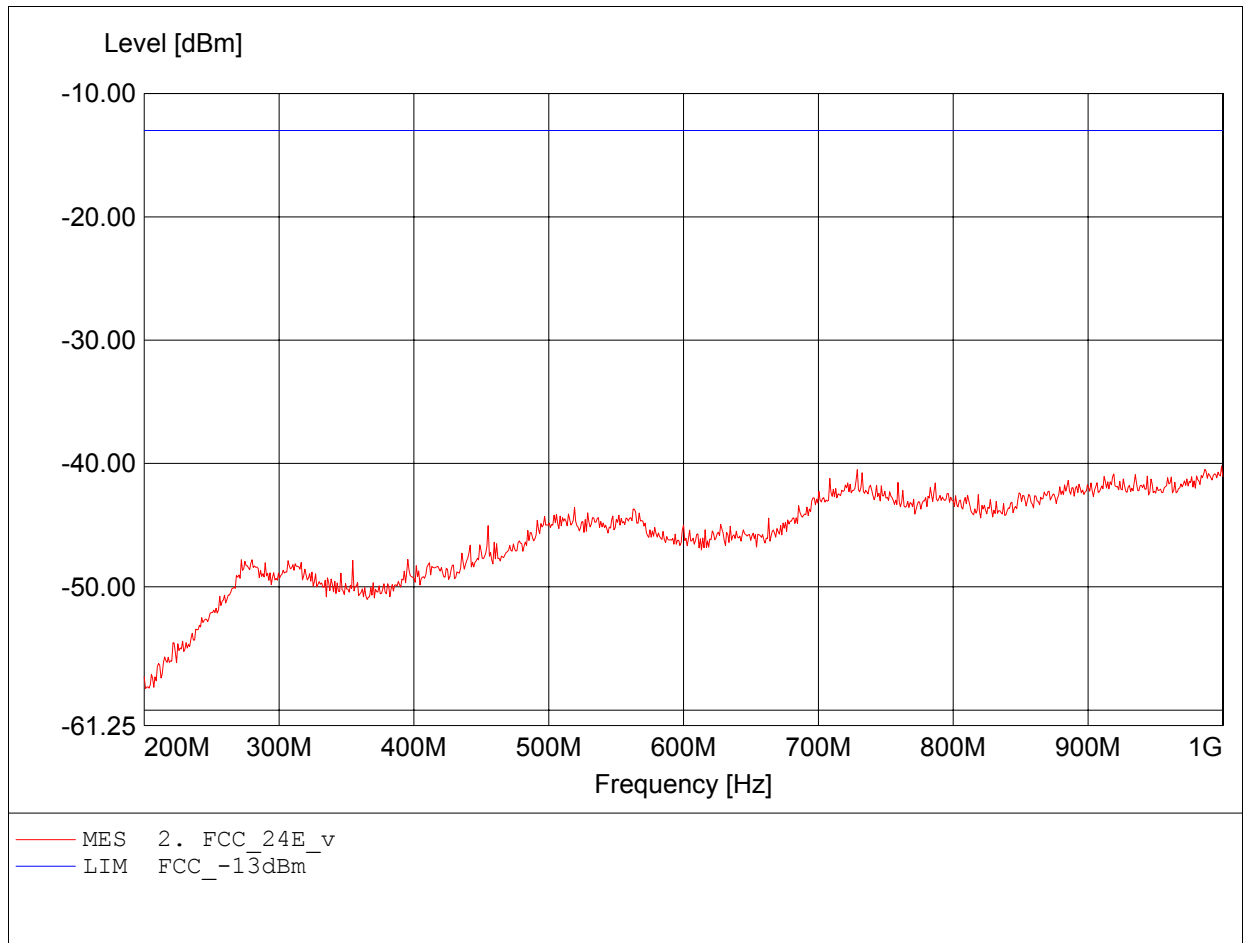
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 47.567MHz, Pmax: -52.29dBm, RBW: 1MHz



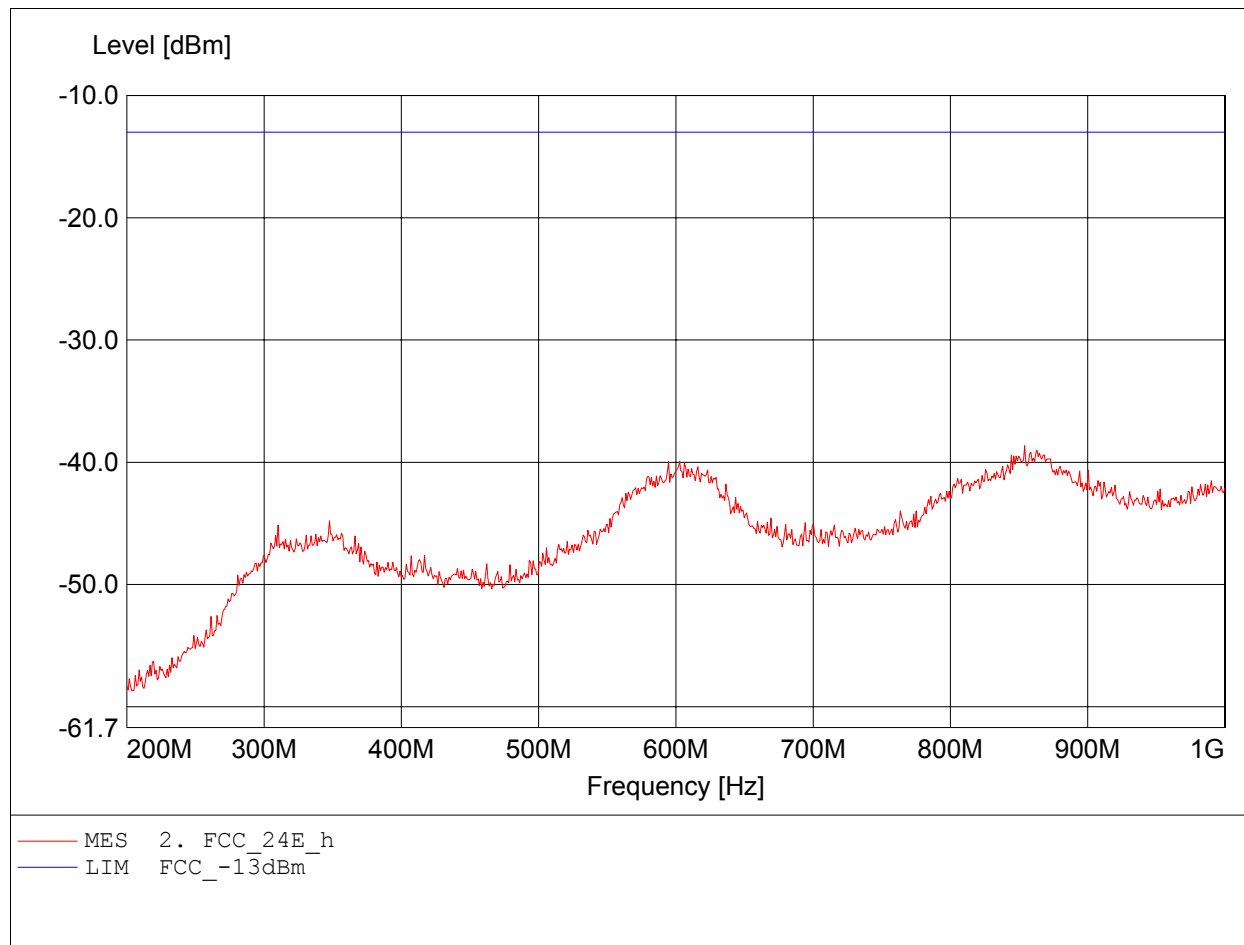
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 999.111MHz, Pmax: -40.20dBm, RBW: 1MHz



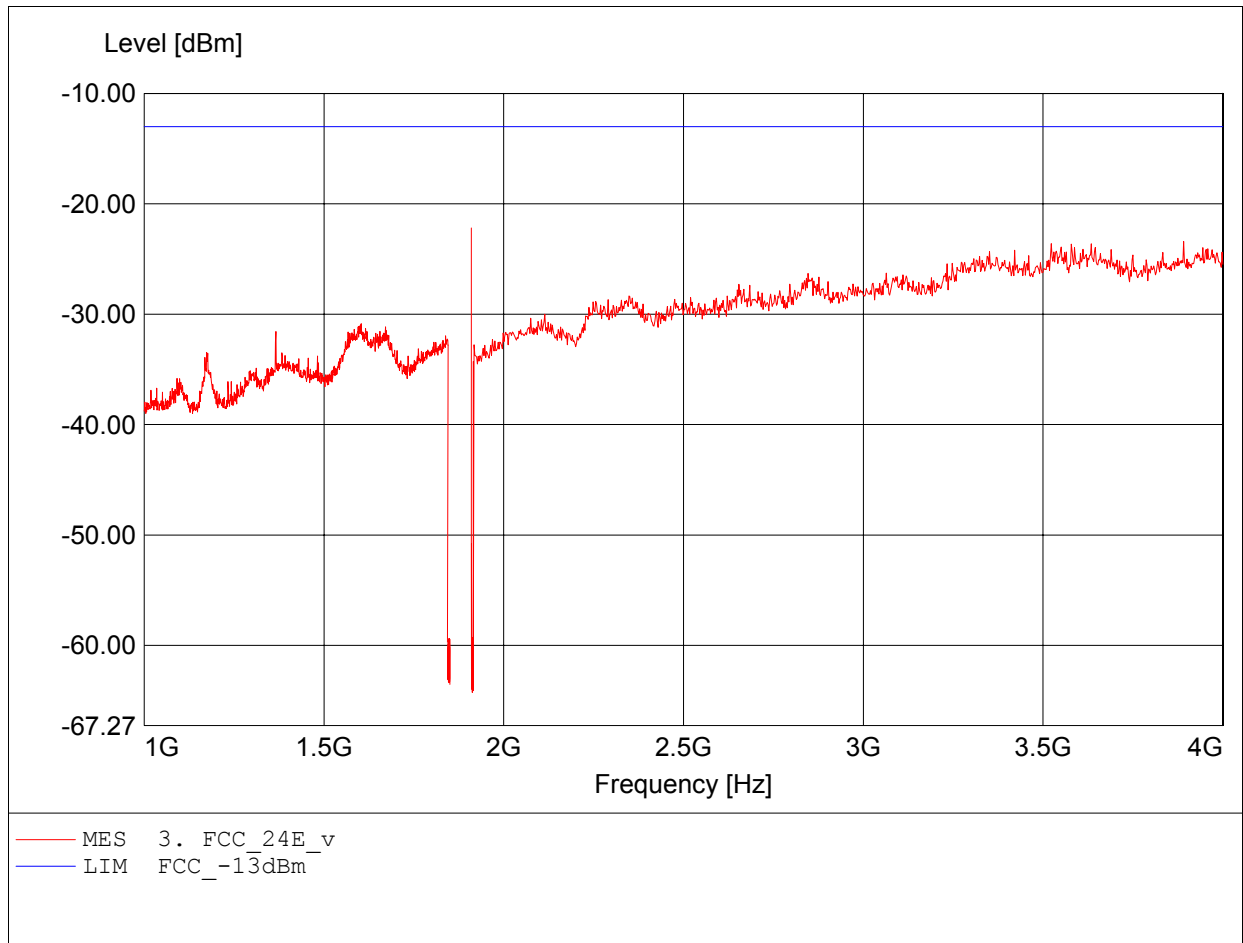
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 854.222MHz, Pmax: -38.64dBm, RBW: 1MHz



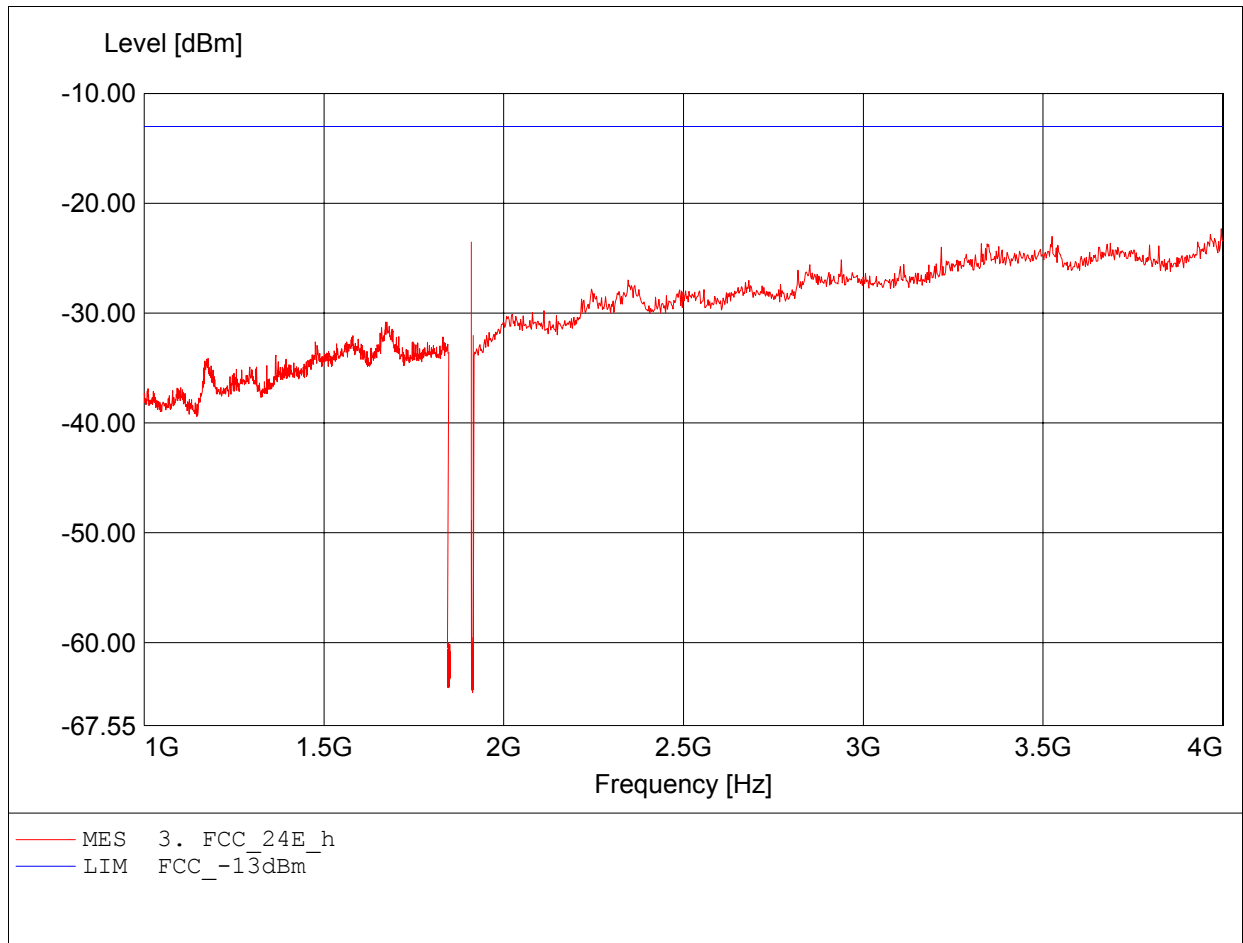
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 1.910GHz, Pmax: -22.18dBm, RBW: 1MHz/3kHz



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

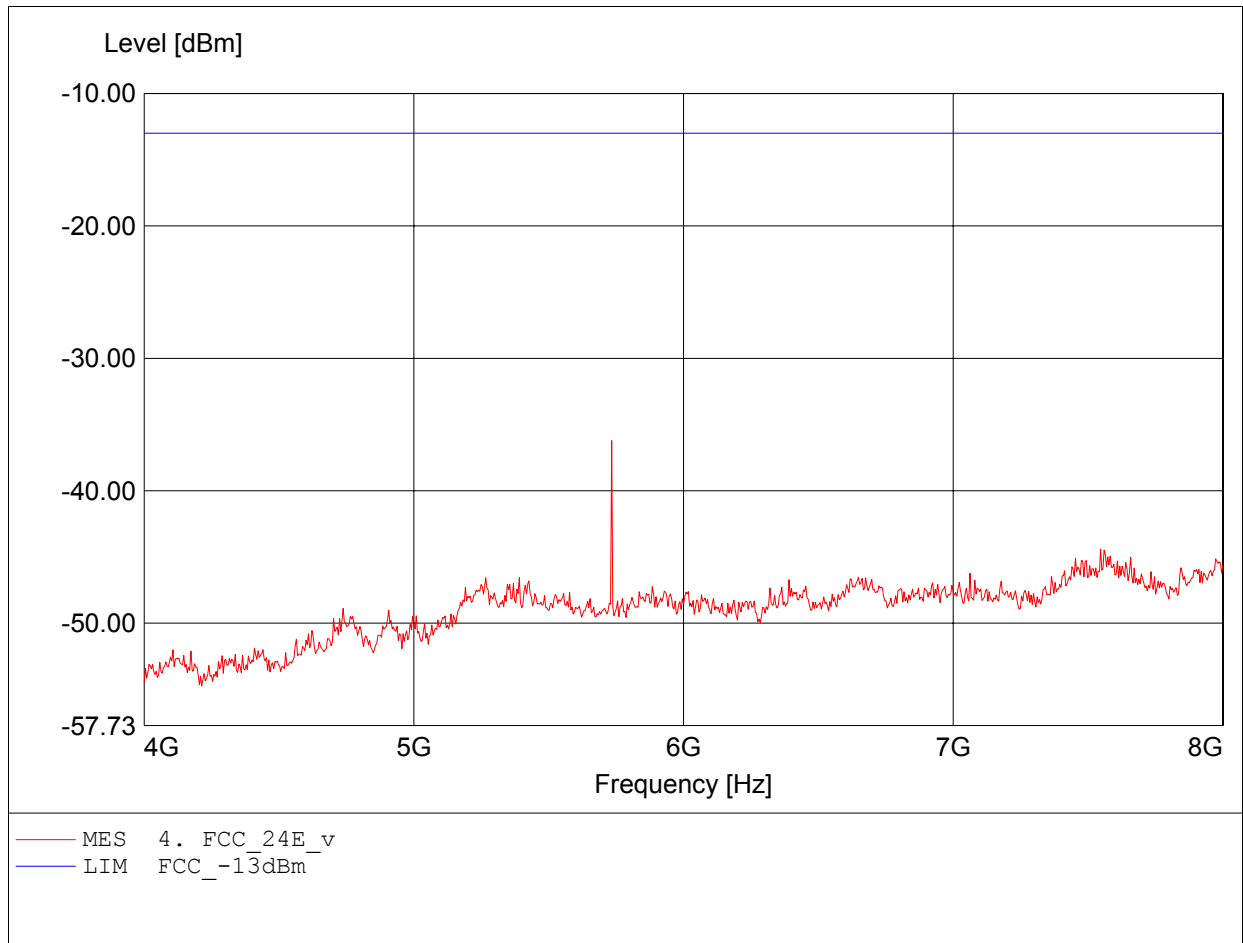
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EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.995GHz, Pmax: -22.32dBm, RBW: 1MHz/3kHz





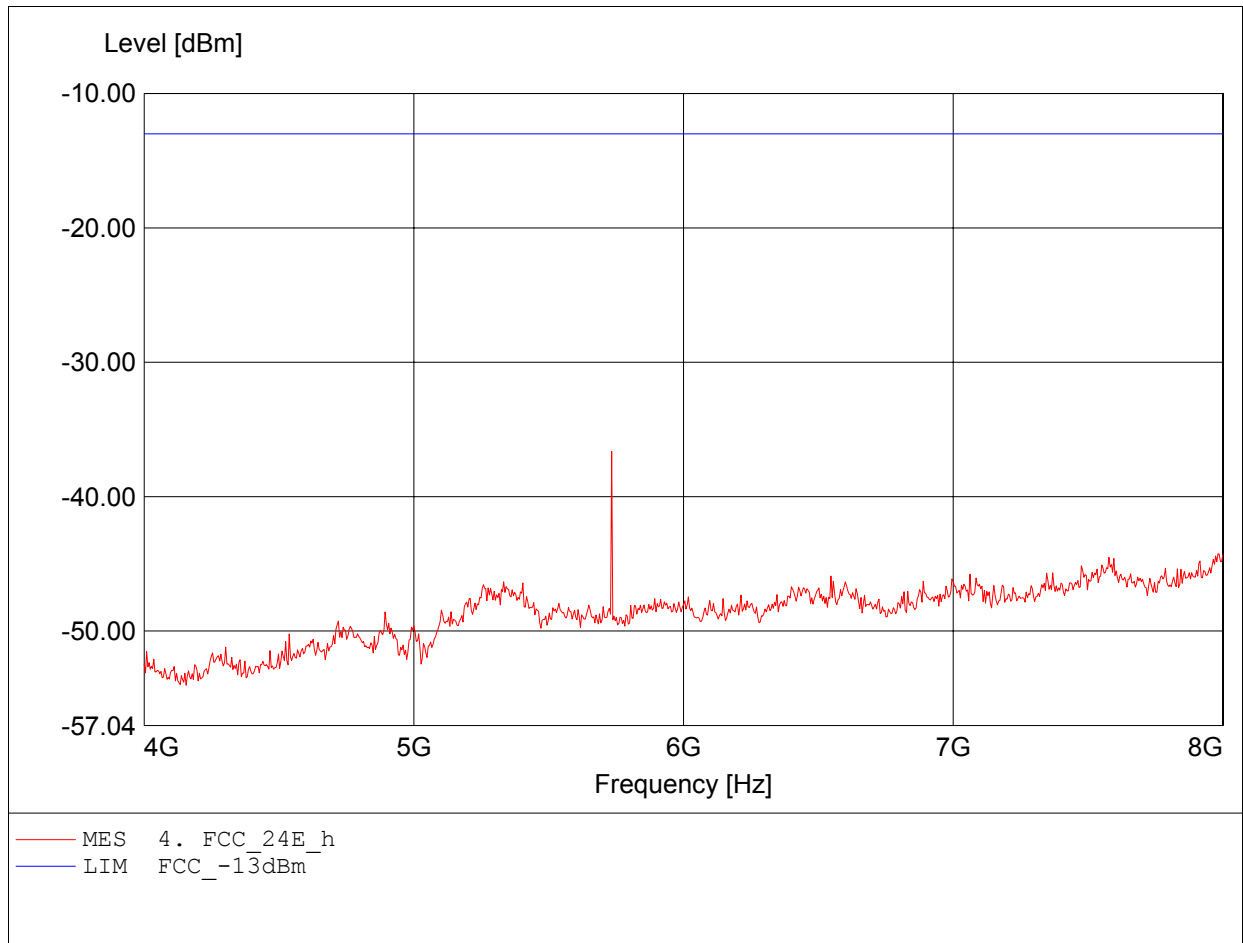
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.733GHz, Pmax: -36.21dBm, RBW: 1MHz



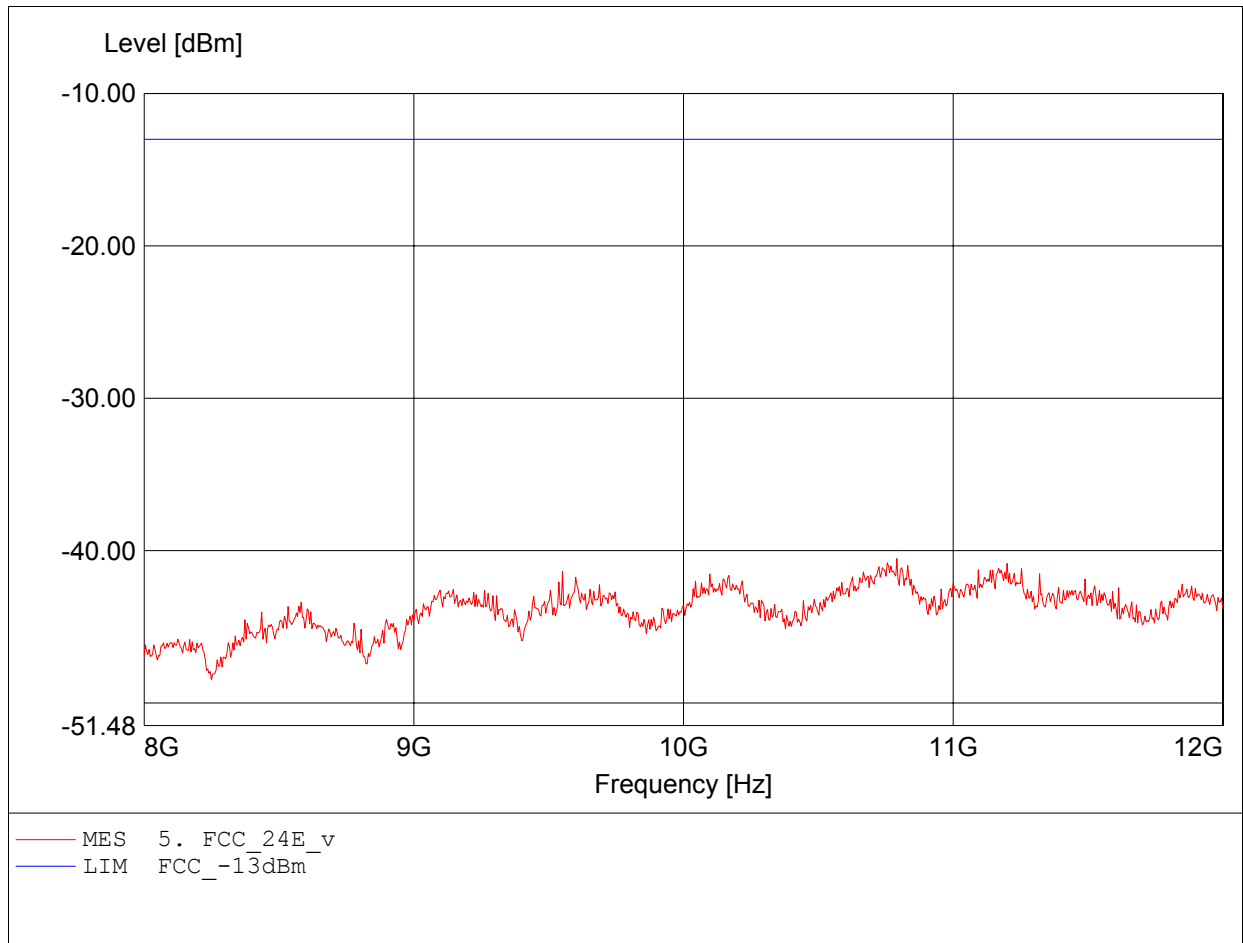
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.733GHz, Pmax: -36.64dBm, RBW: 1MHz



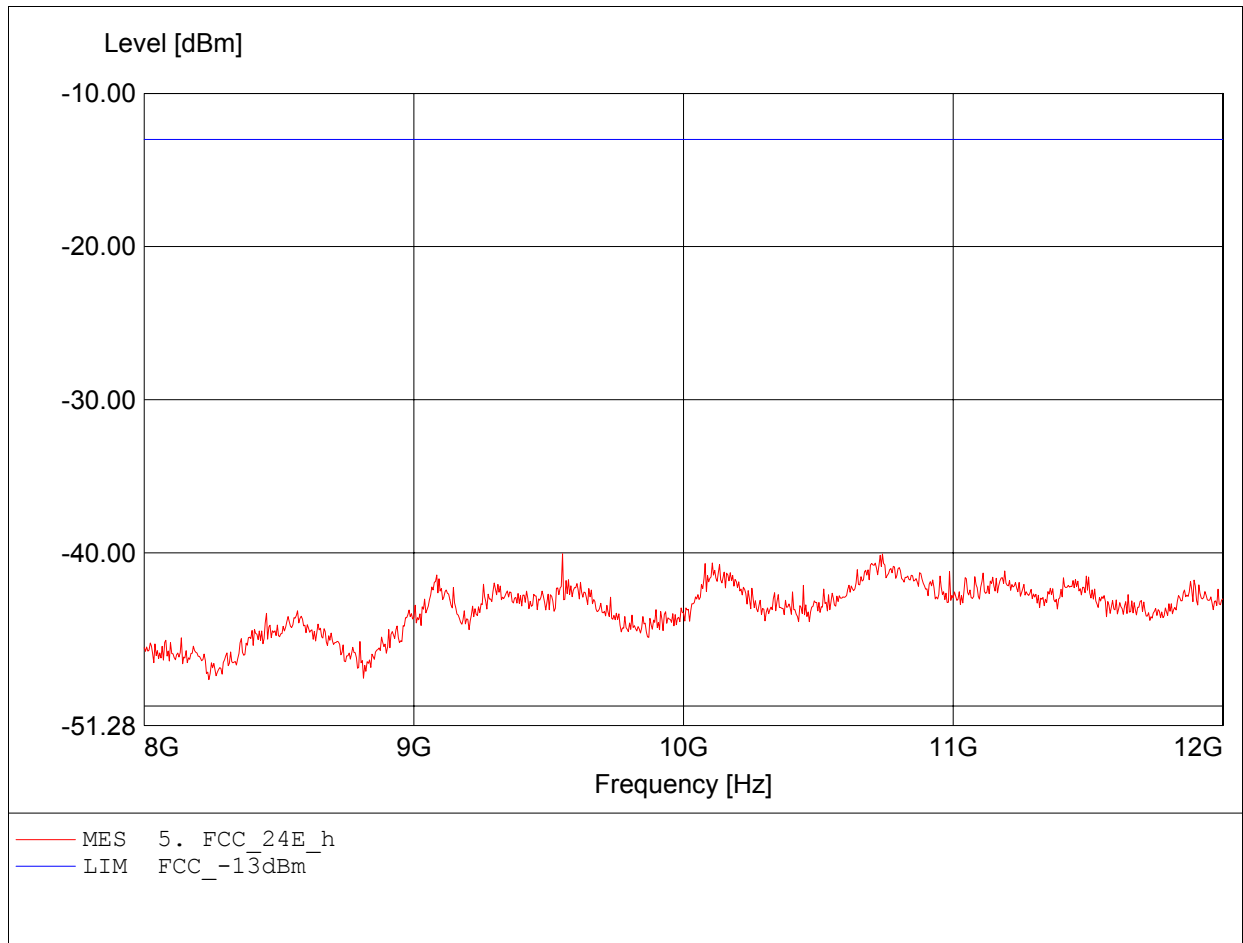
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.791GHz, Pmax: -40.52dBm, RBW: 1MHz



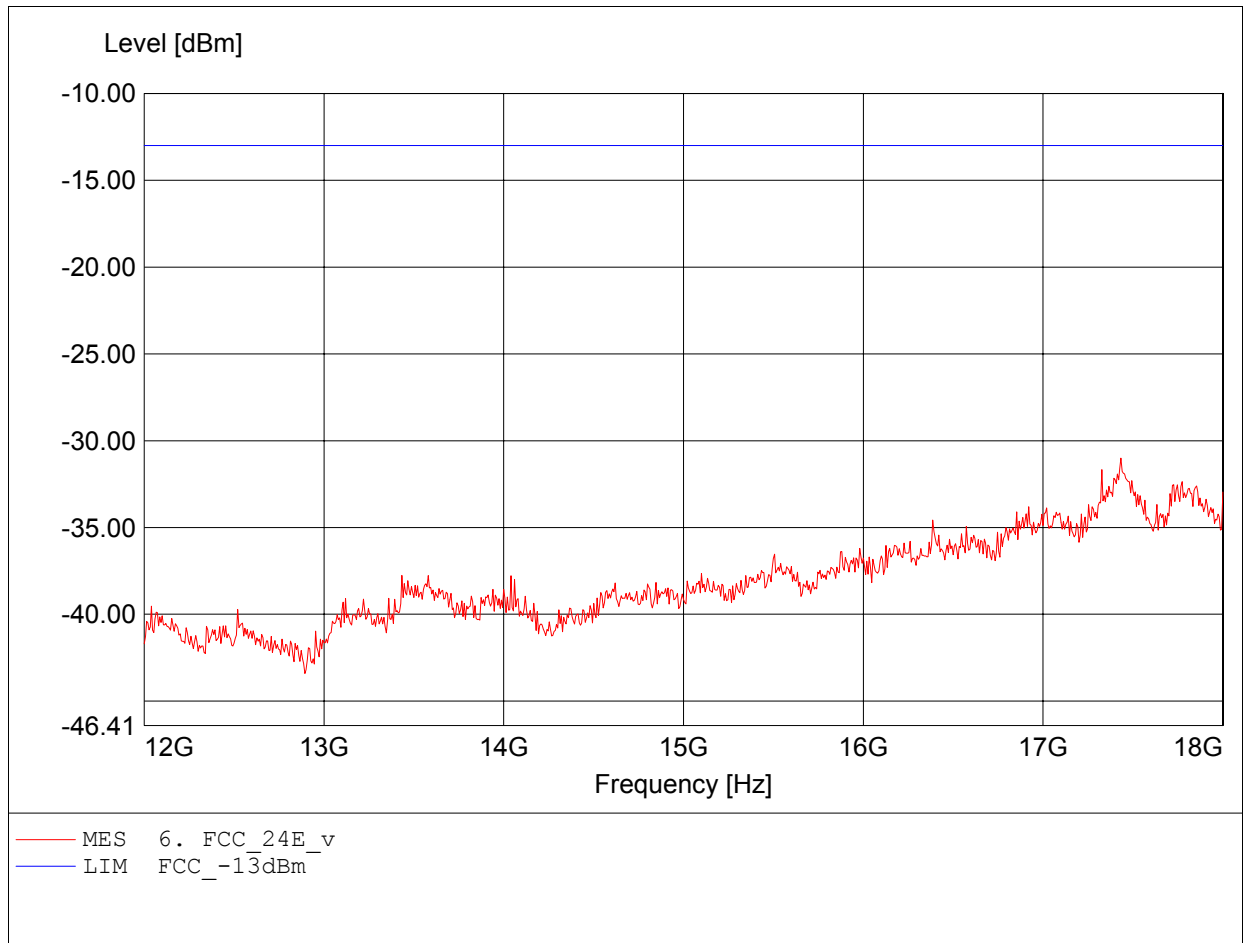
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 9.551GHz, Pmax: -40.06dBm, RBW: 1MHz



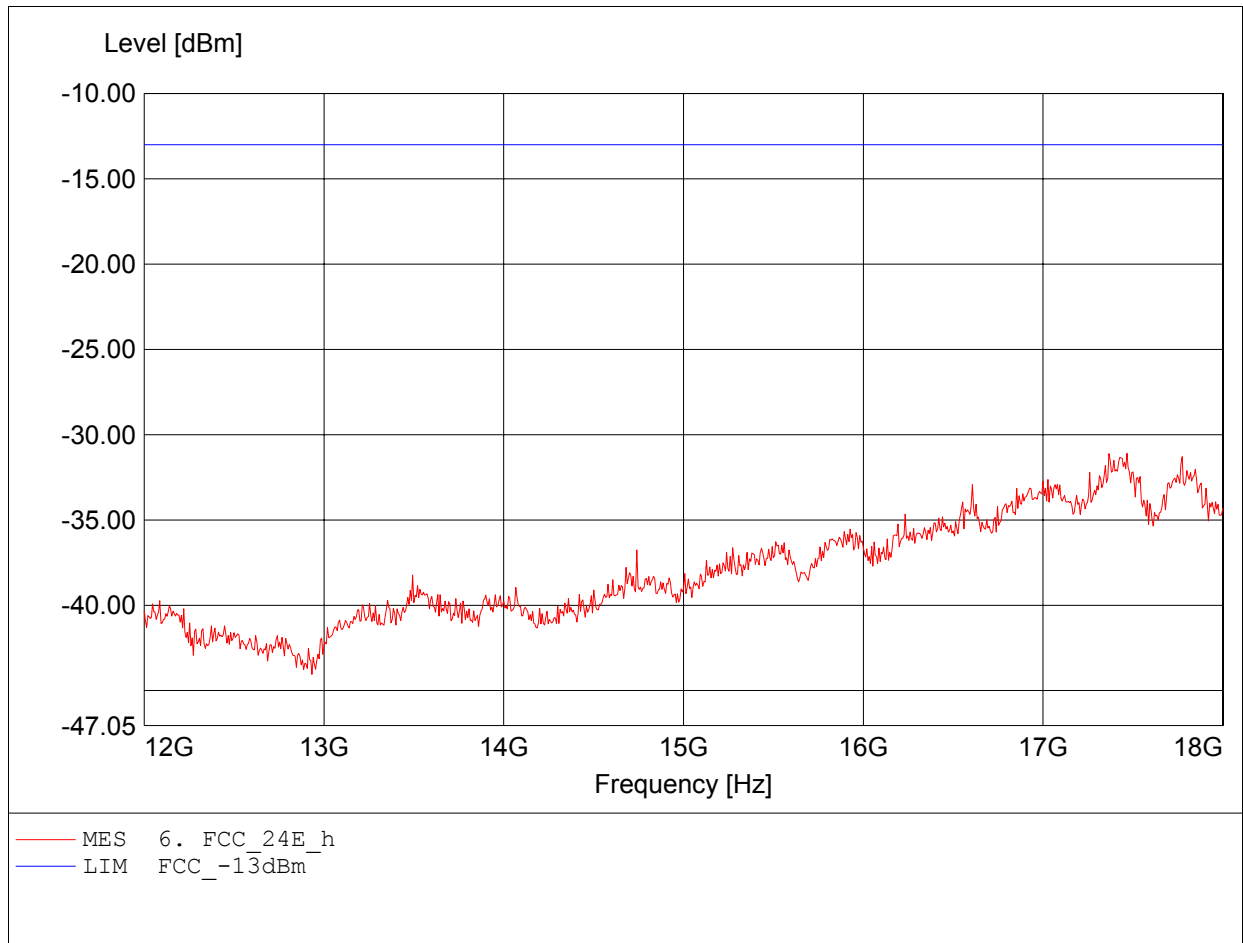
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.433GHz, Pmax: -31.00dBm, RBW: 1MHz



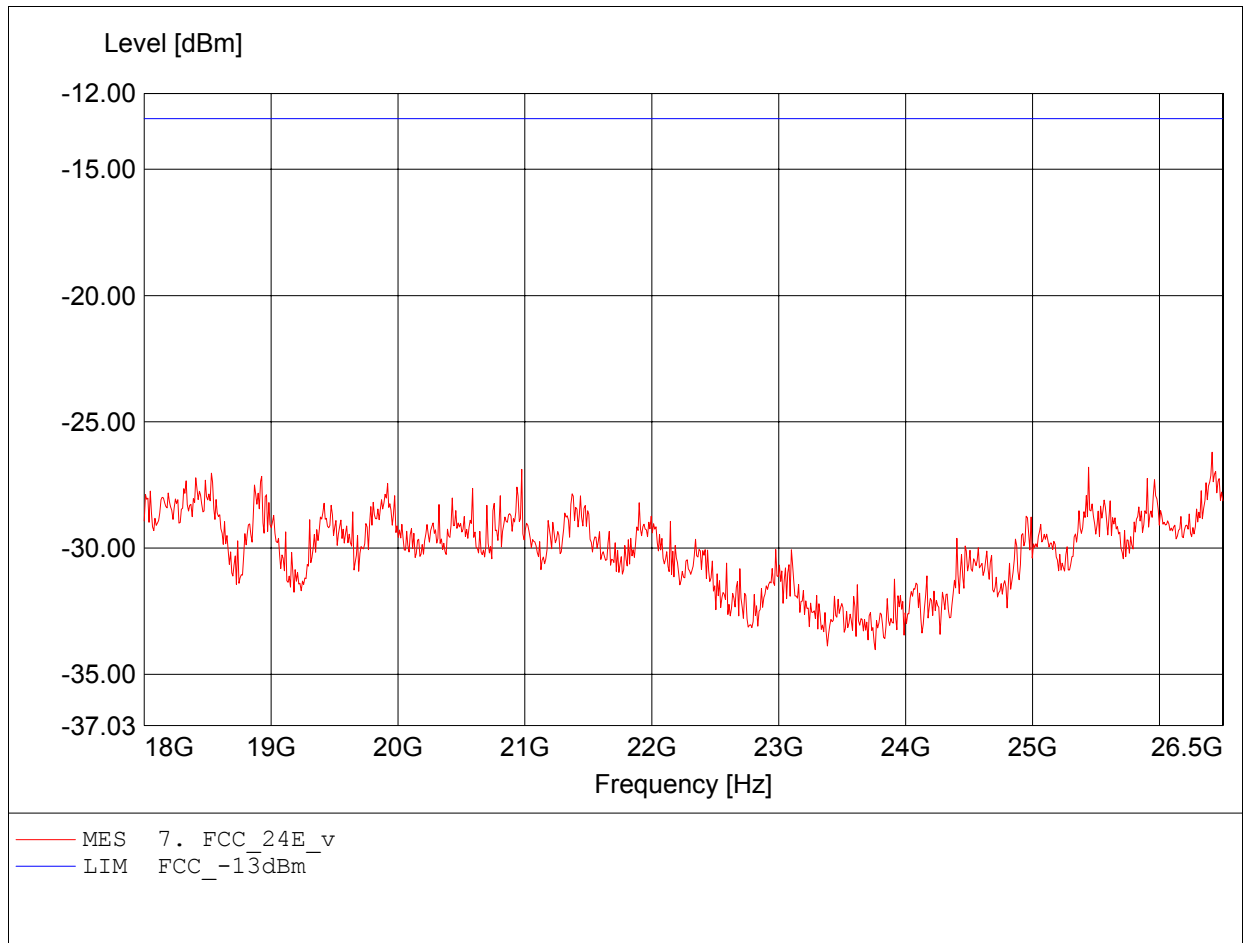
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 17.467GHz, Pmax: -31.09dBm, RBW: 1MHz



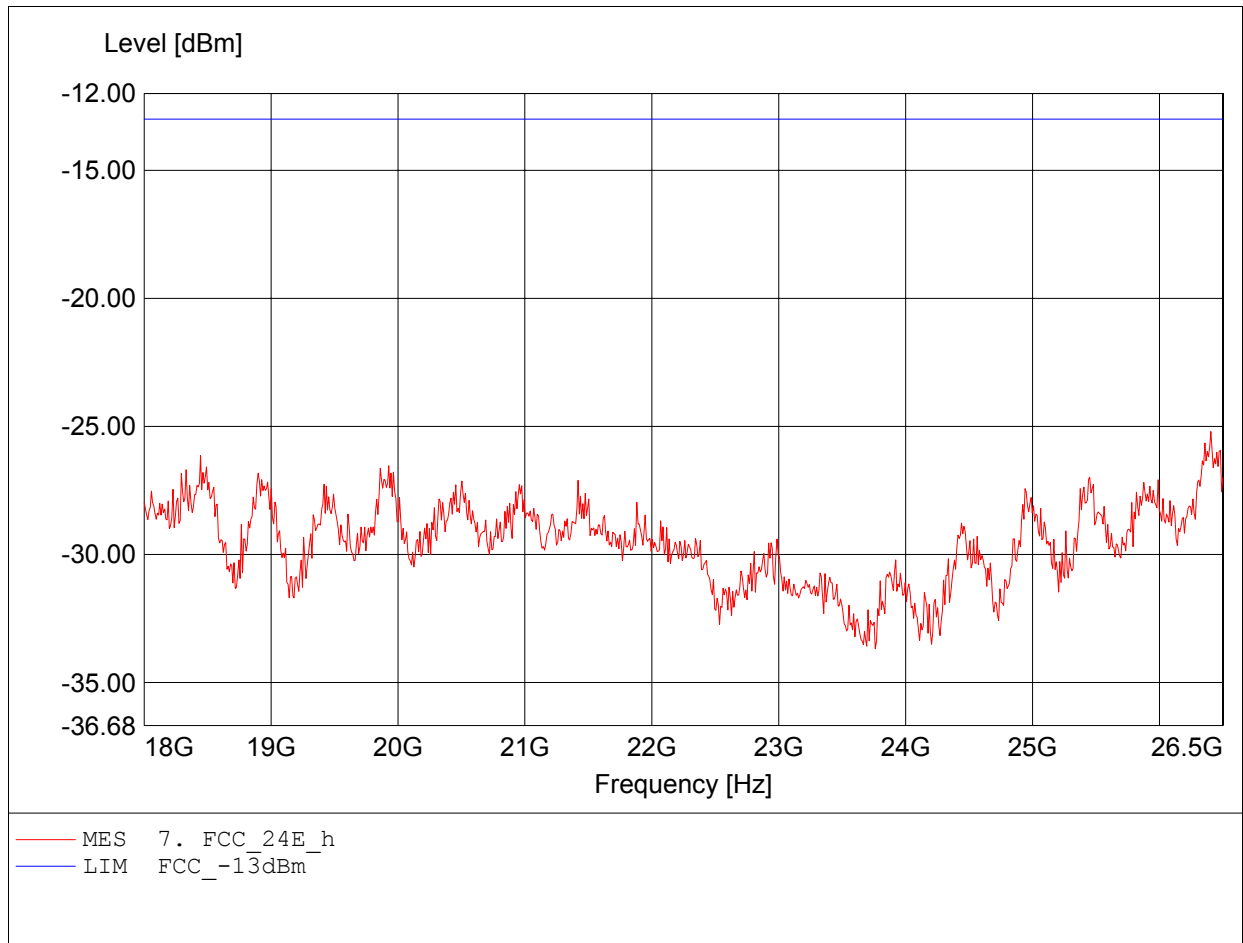
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.415GHz, Pmax: -26.20dBm, RBW: 1MHz



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

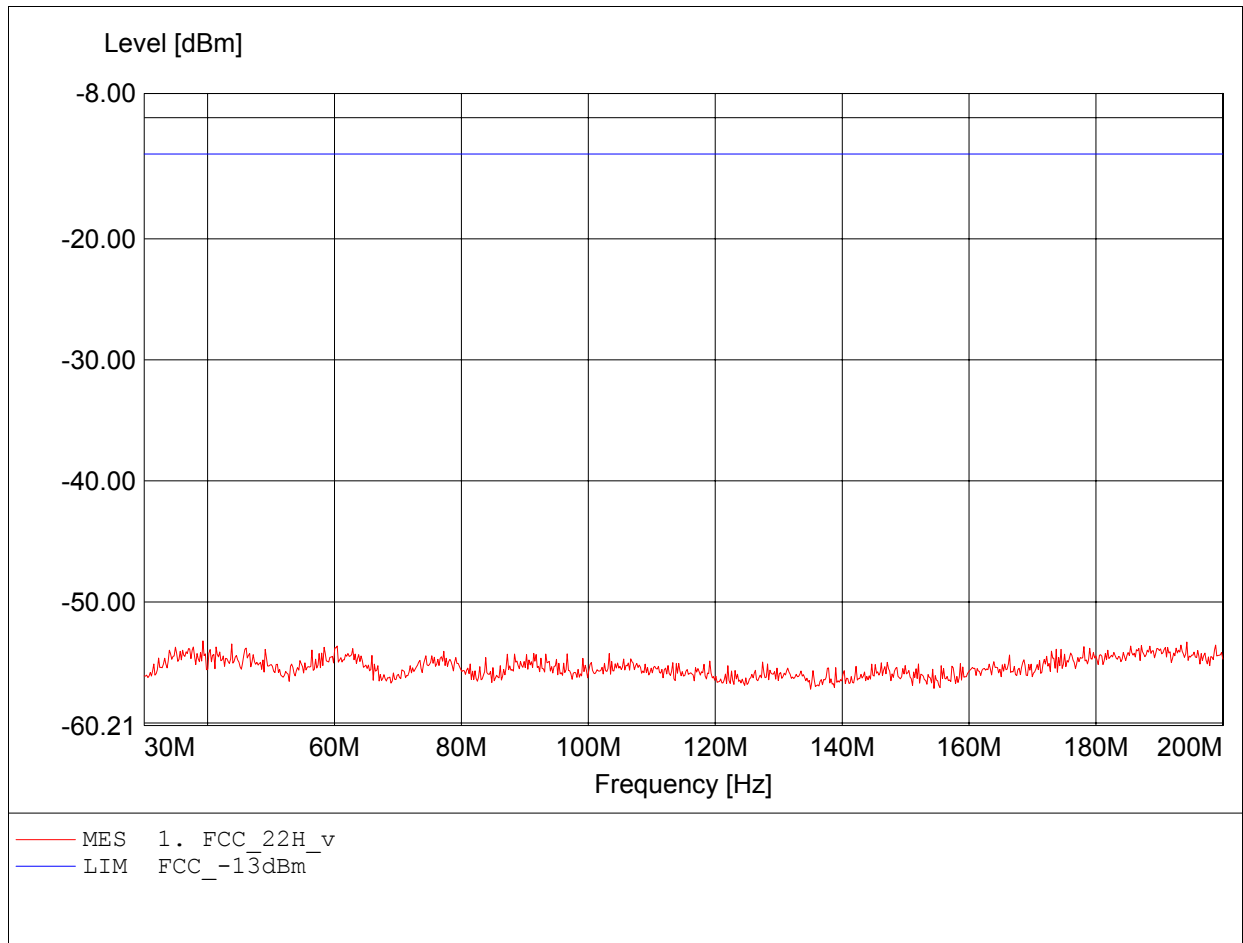
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EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 810  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to S24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.406GHz, Pmax: -25.20dBm, RBW: 1MHz





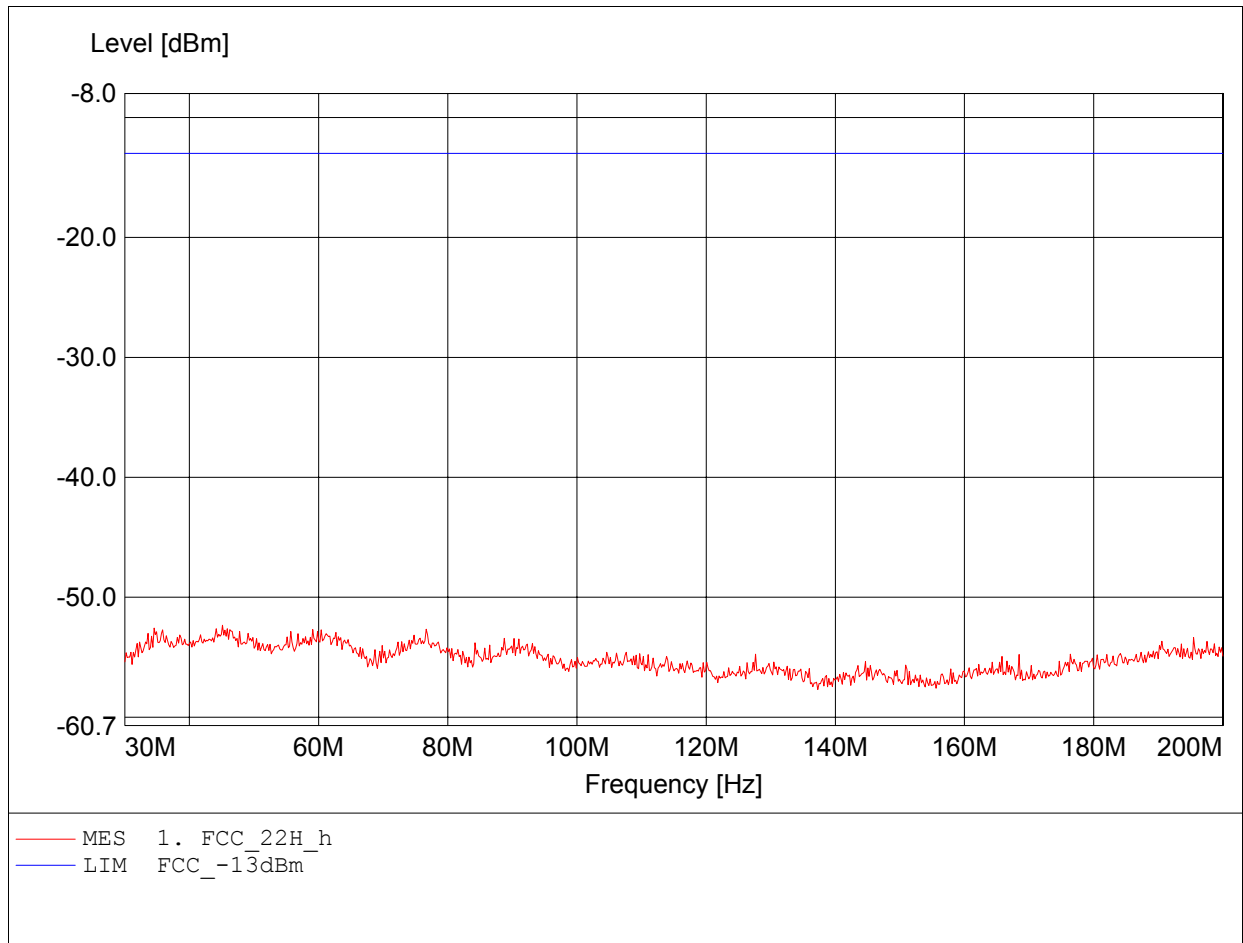
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 39.256MHz, Pmax: -53.21dBm, RBW: 1MHz



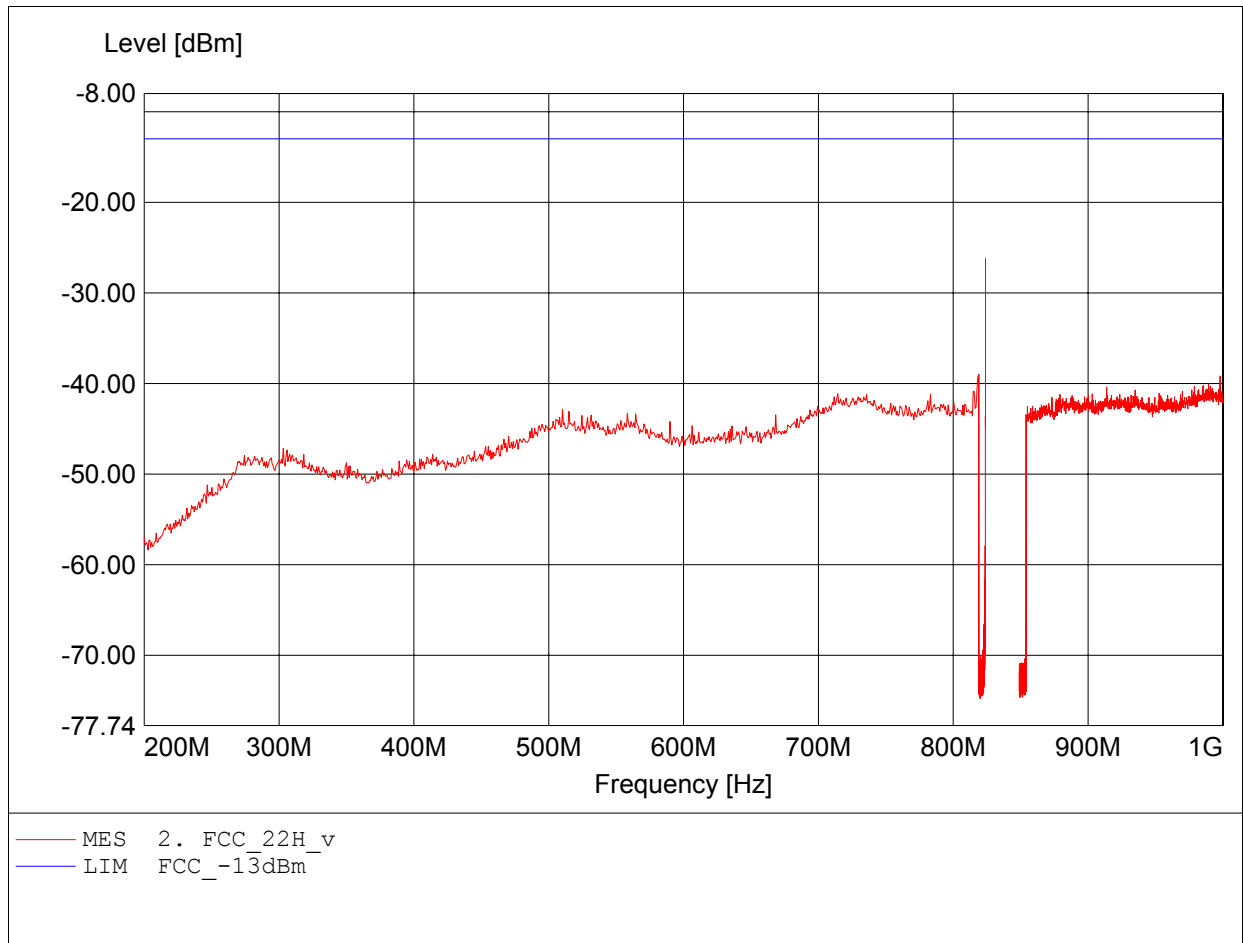
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 45.111MHz, Pmax: -52.34dBm, RBW: 1MHz



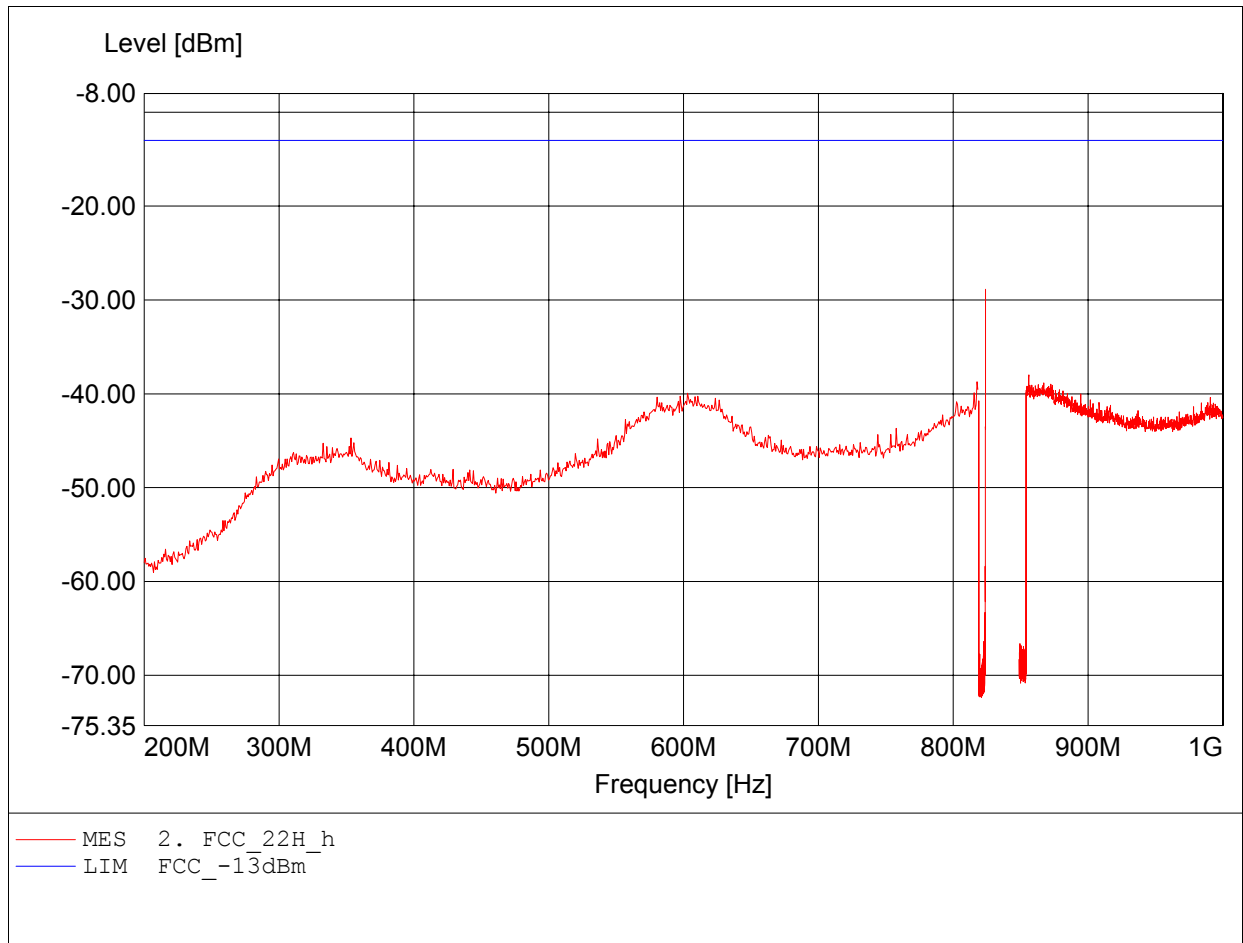
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL 223+notch  
Comment 2: Freq: 823.994MHz, Pmax: -26.19dBm, RBW: 1MHz



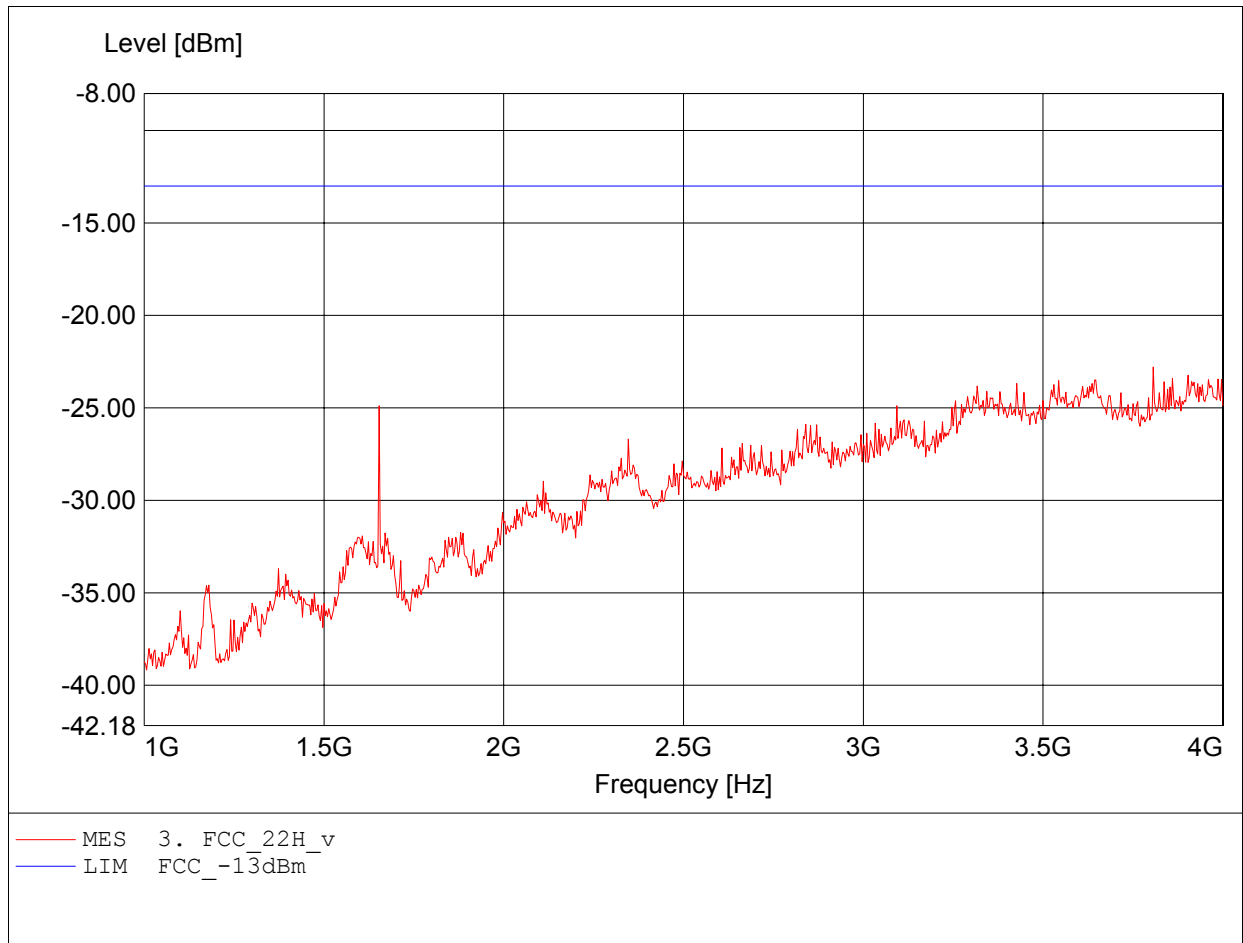
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL 223+notch  
Comment 2: Freq: 823.983MHz, Pmax: -28.85dBm, RBW: 1MHz



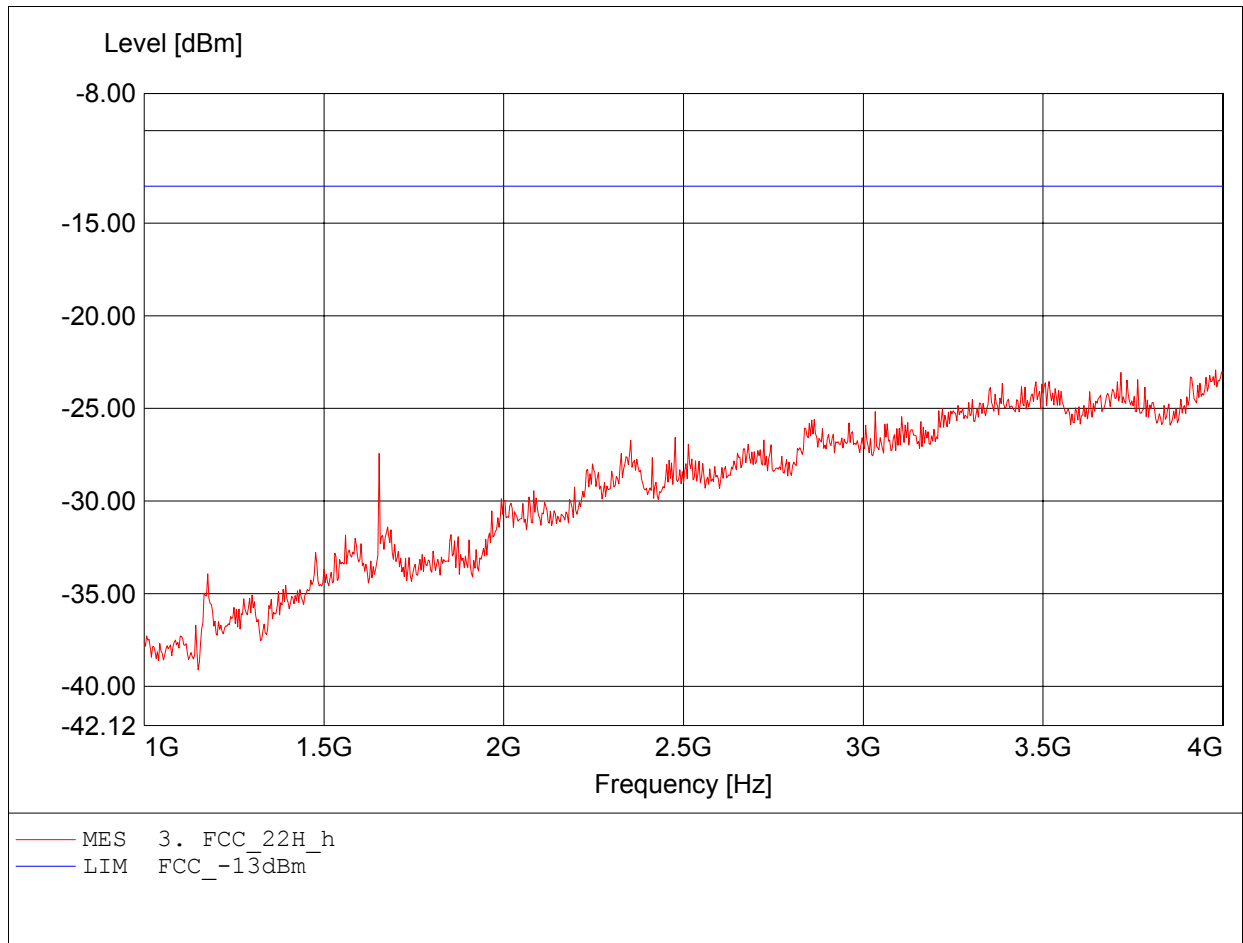
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.807GHz, Pmax: -22.79dBm, RBW: 1MHz



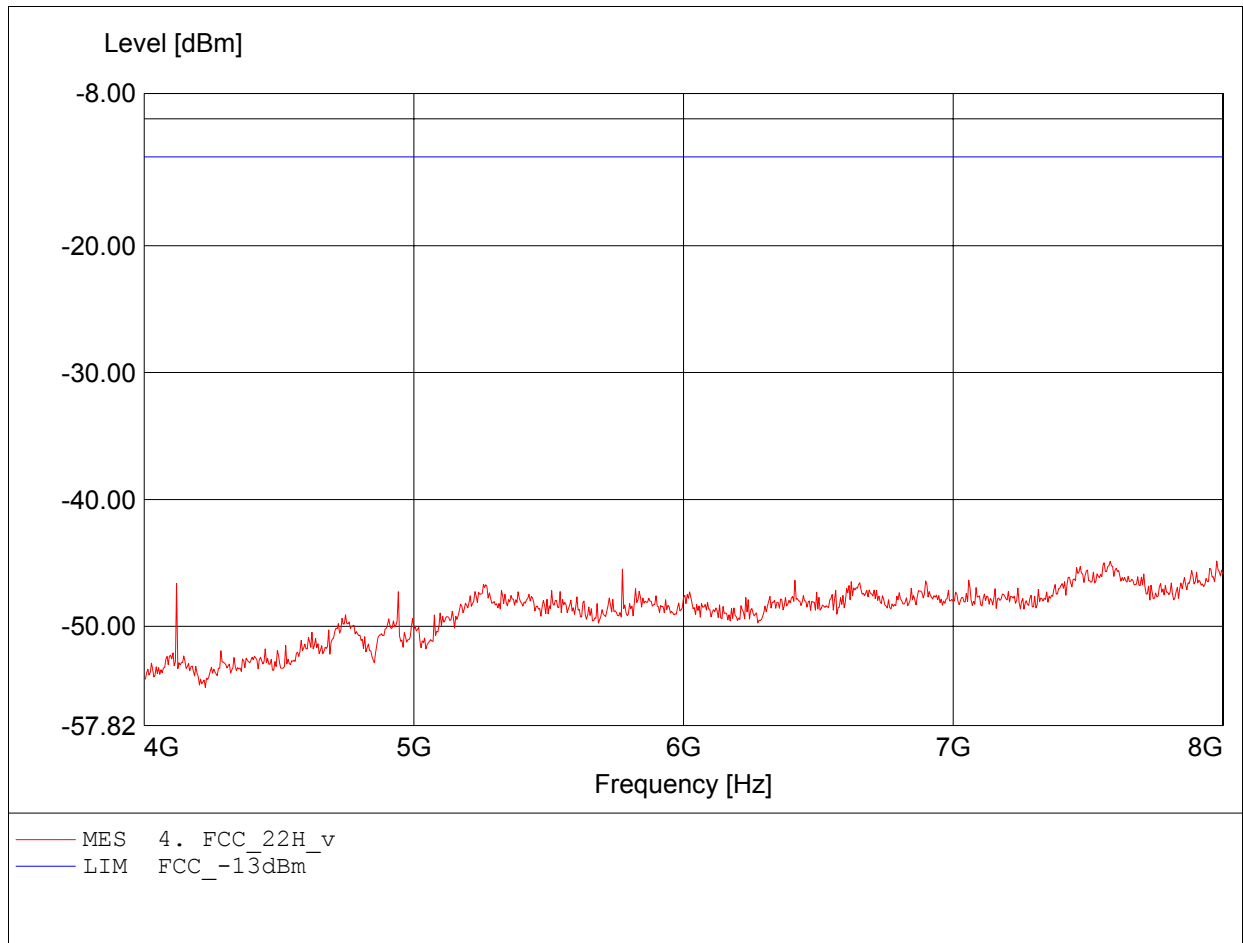
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.980GHz, Pmax: -22.92dBm, RBW: 1MHz



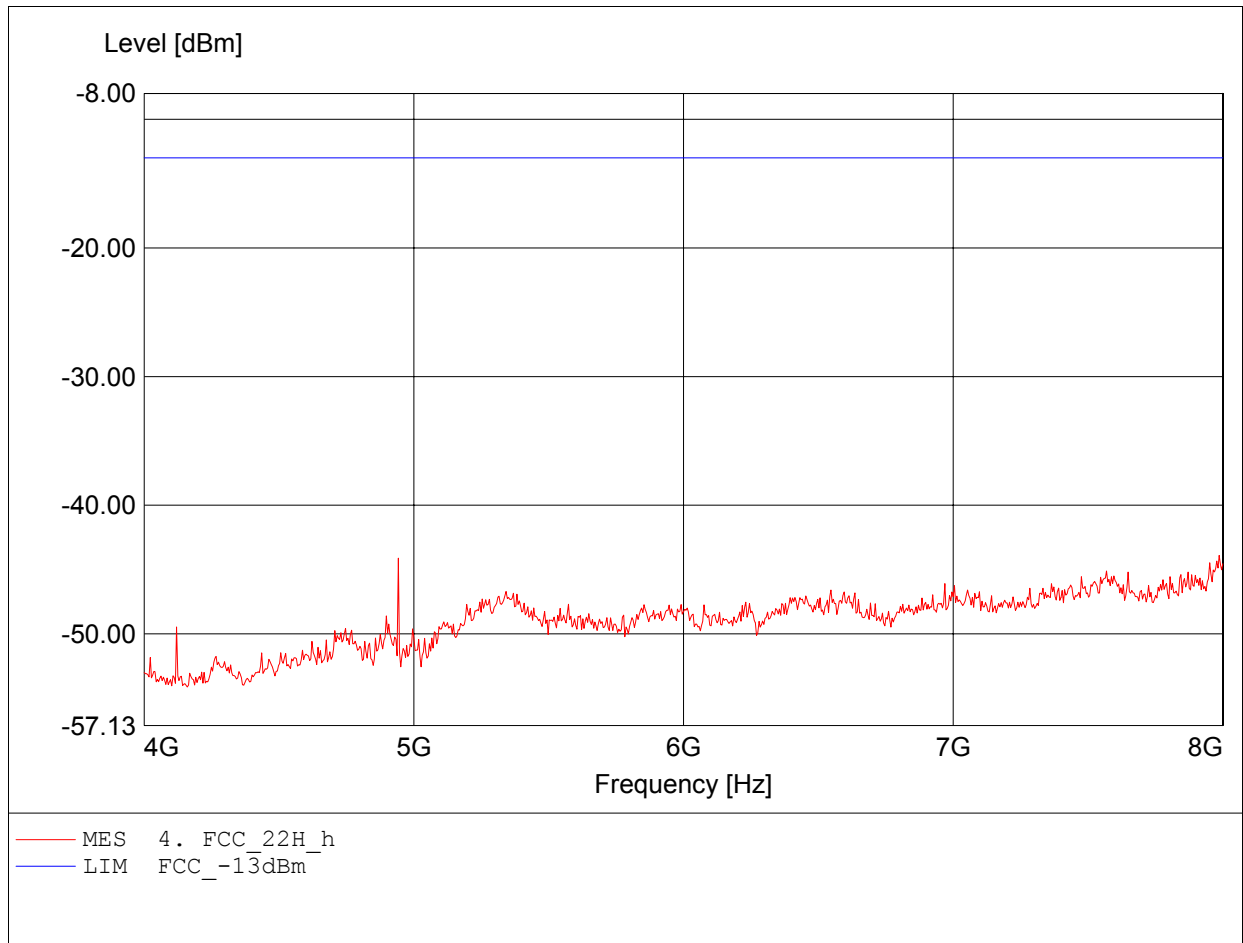
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.978GHz, Pmax: -44.85dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

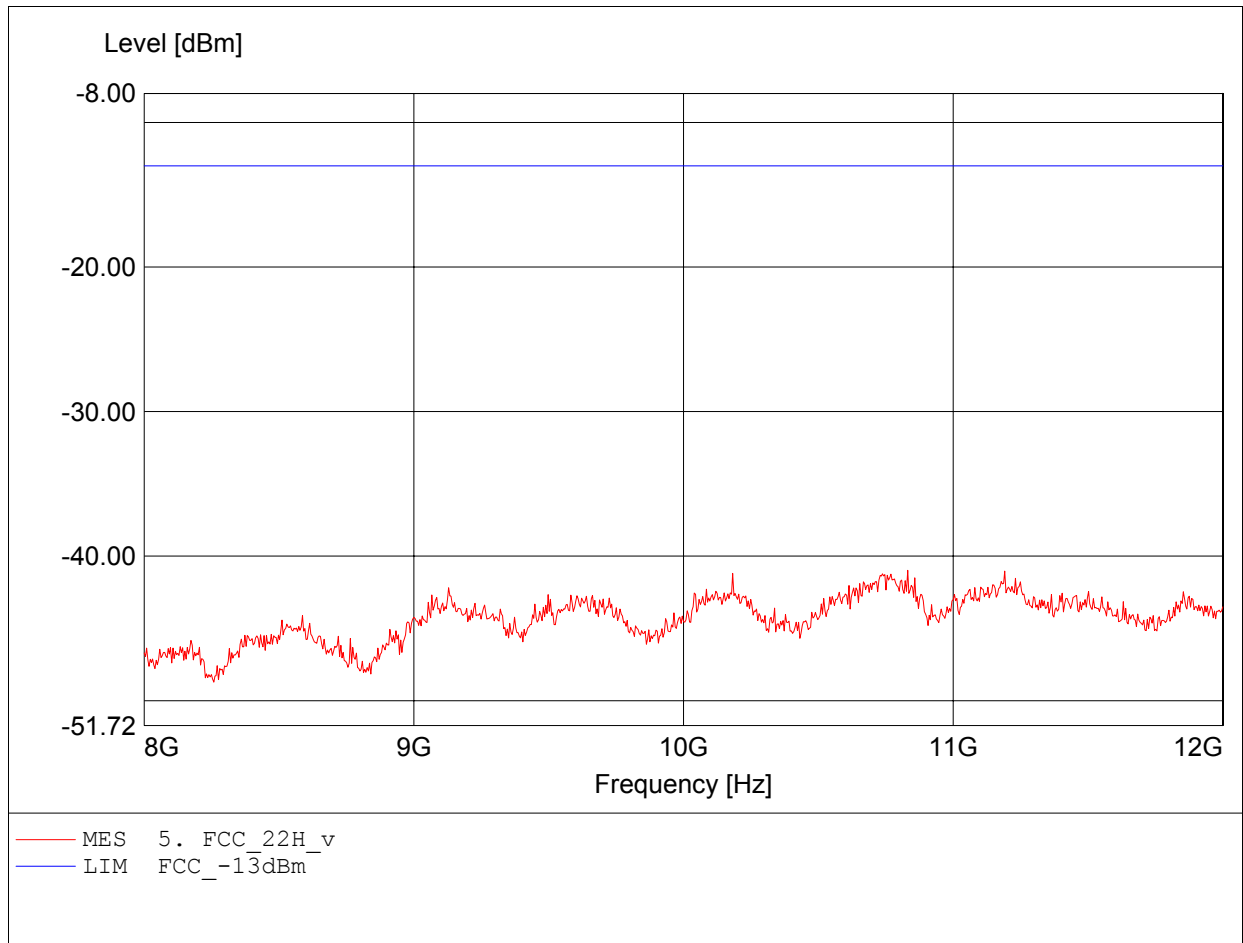
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EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.987GHz, Pmax: -43.91dBm, RBW: 1MHz





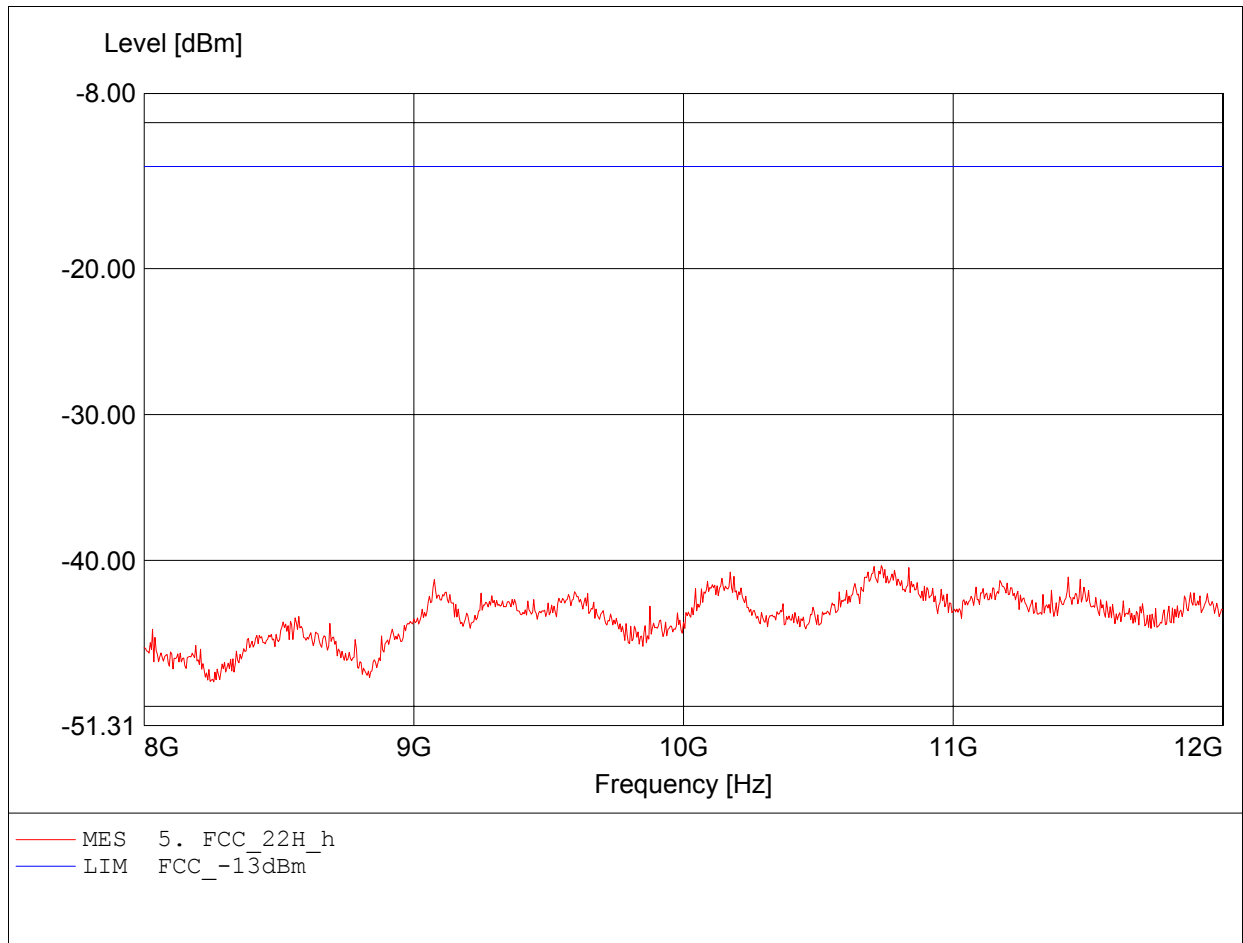
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.831GHz, Pmax: -40.98dBm, RBW: 1MHz



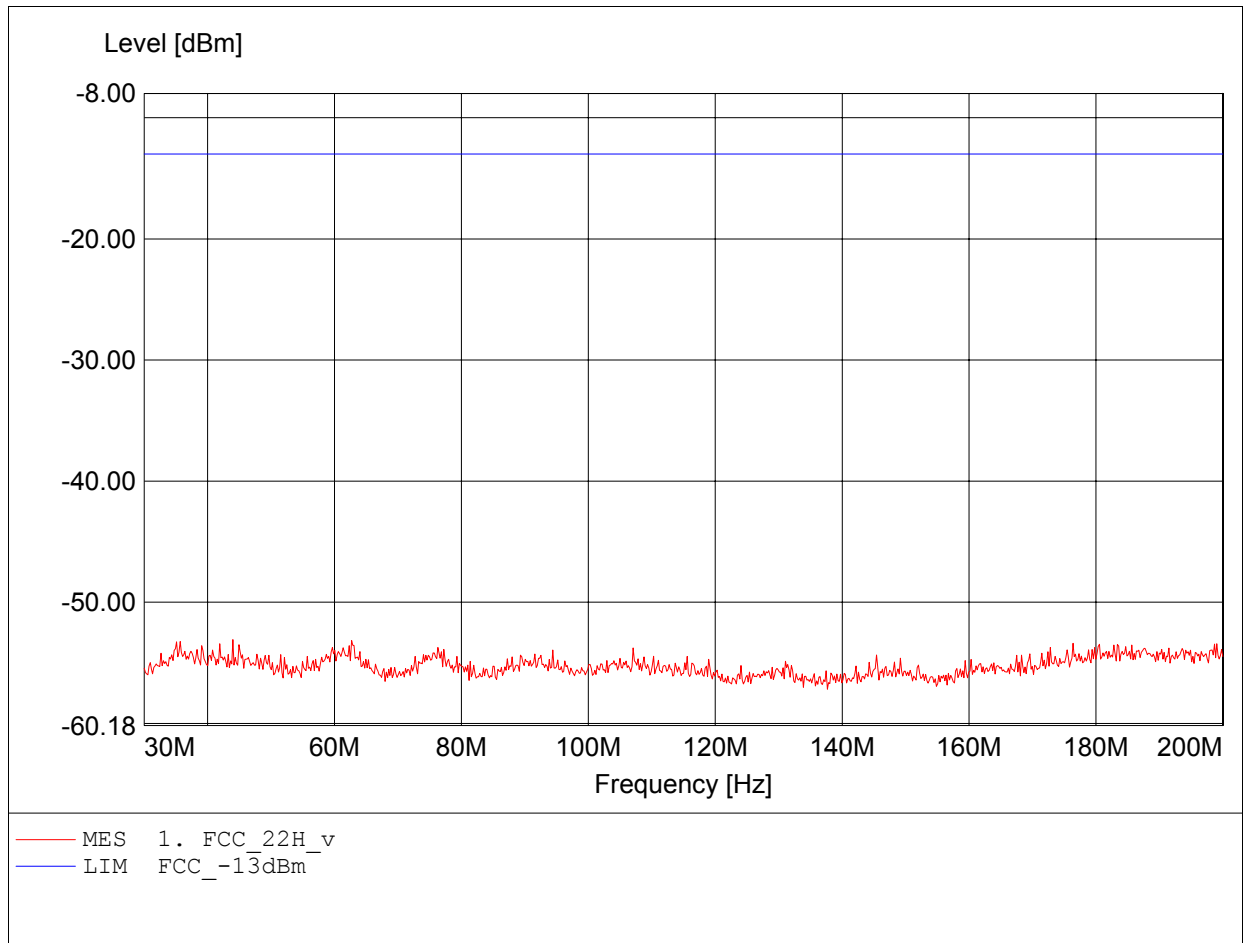
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 128  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.733GHz, Pmax: -40.35dBm, RBW: 1MHz



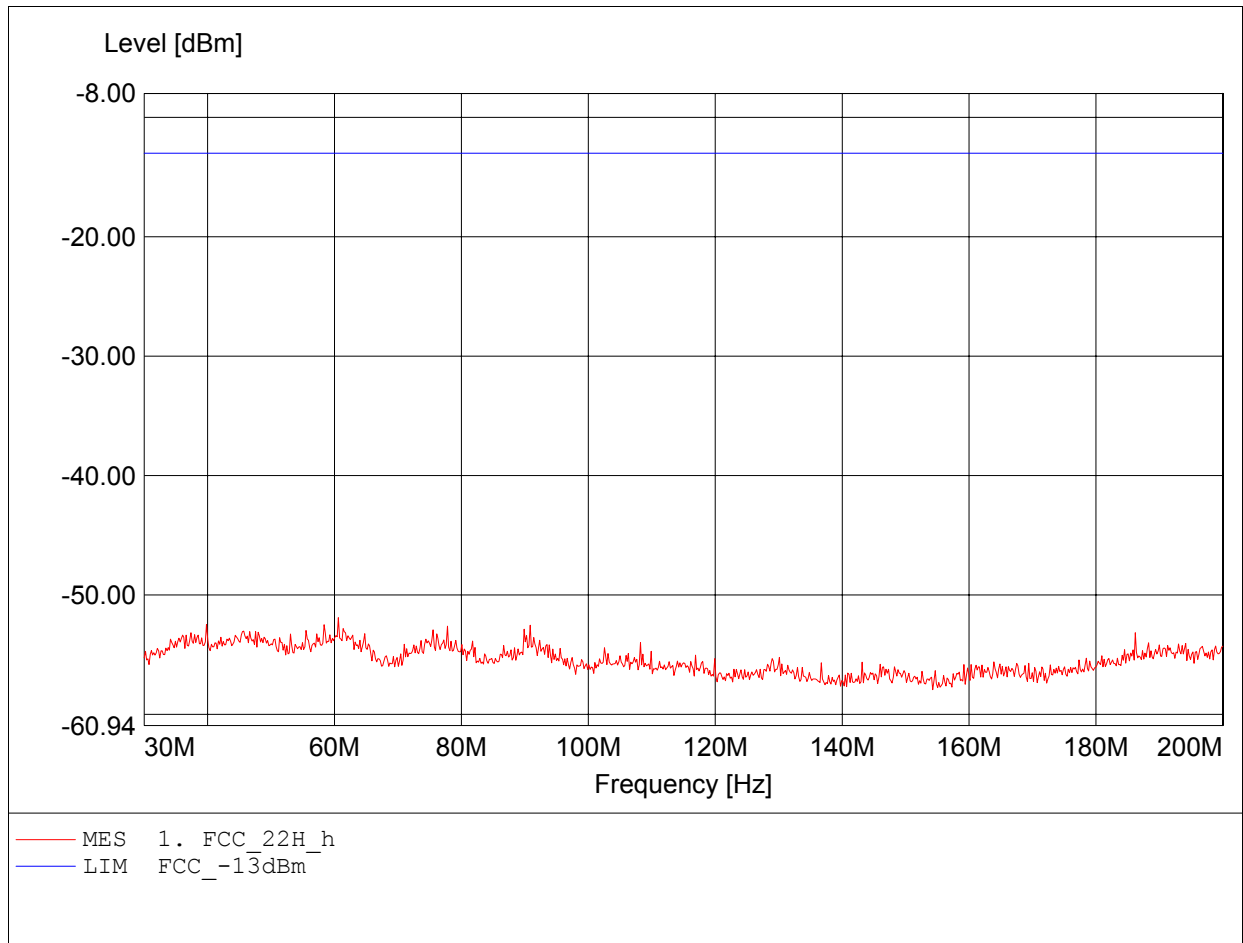
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 43.978MHz, Pmax: -53.09dBm, RBW: 1MHz



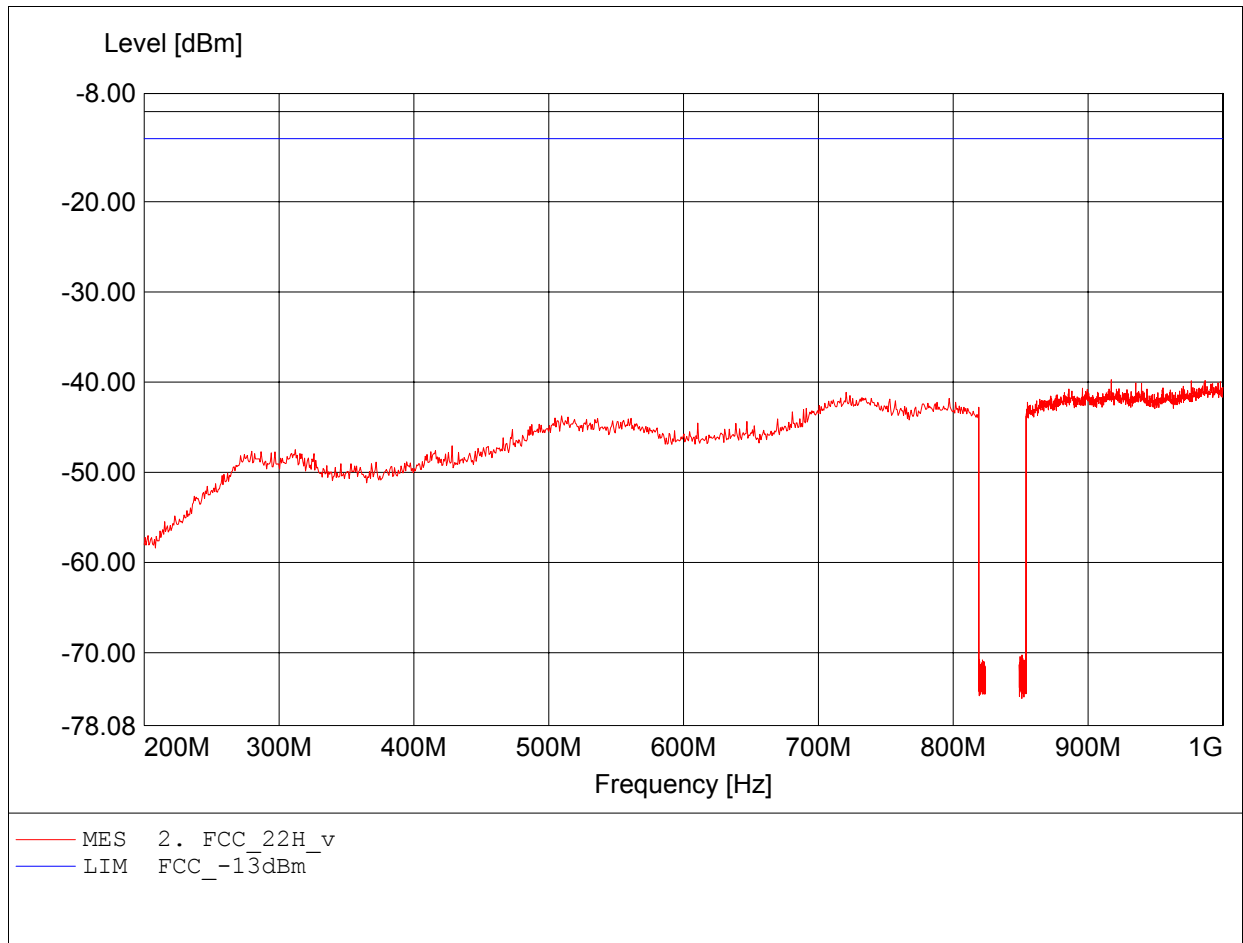
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 60.600MHz, Pmax: -51.91dBm, RBW: 1MHz



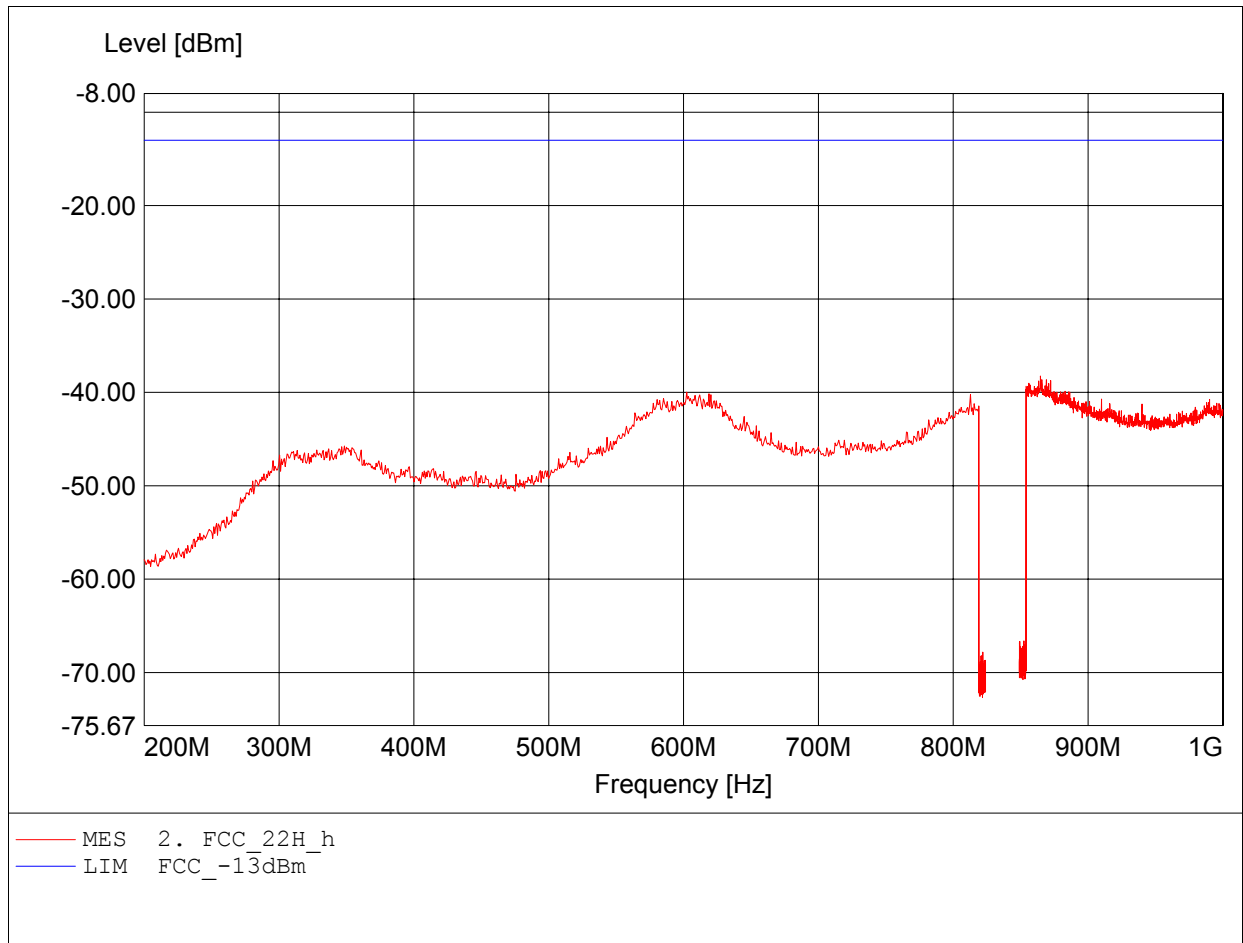
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL 223+notch  
Comment 2: Freq: 917.267MHz, Pmax: -39.73dBm, RBW: 1MHz



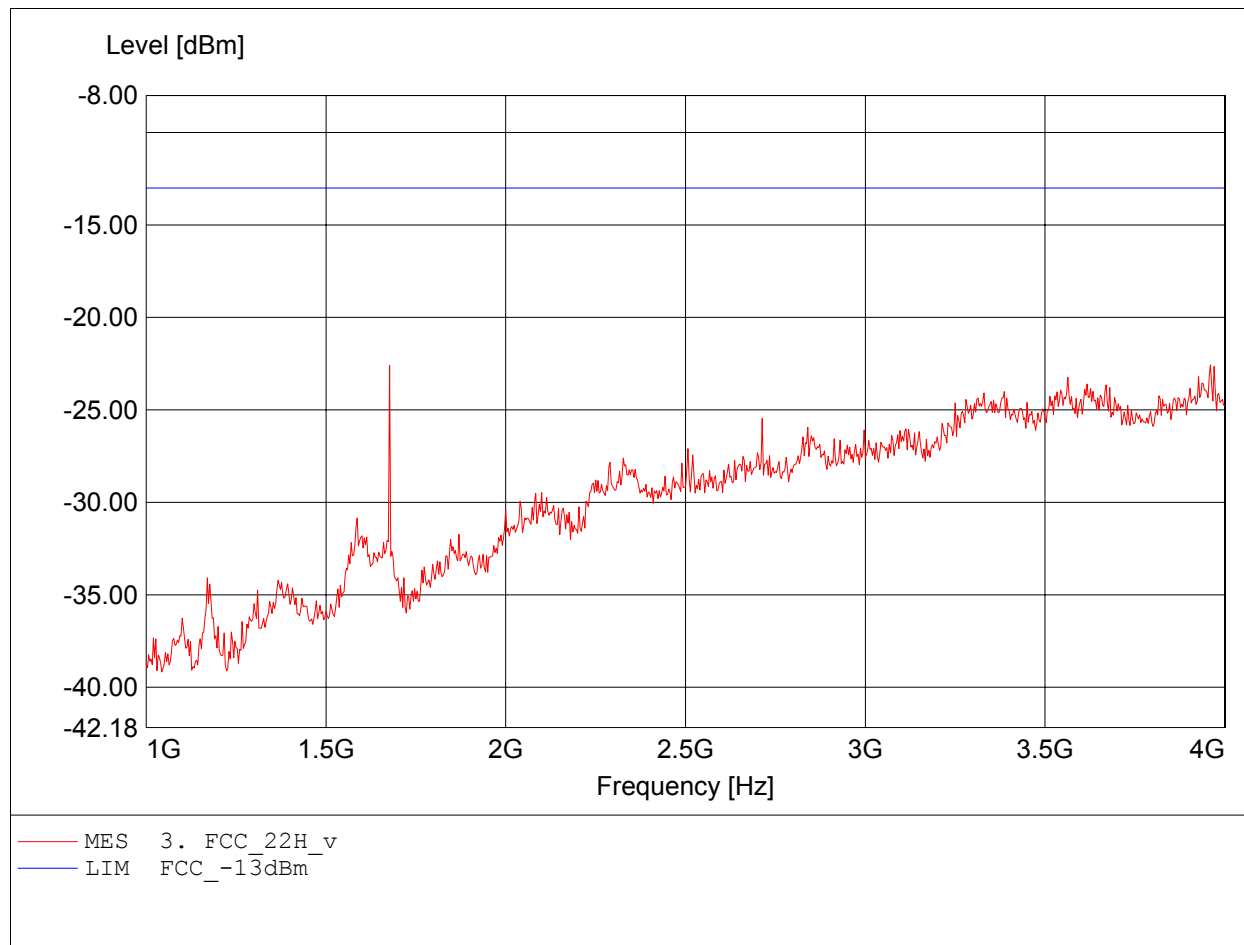
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL 223+notch  
Comment 2: Freq: 864.707MHz, Pmax: -38.25dBm, RBW: 1MHz



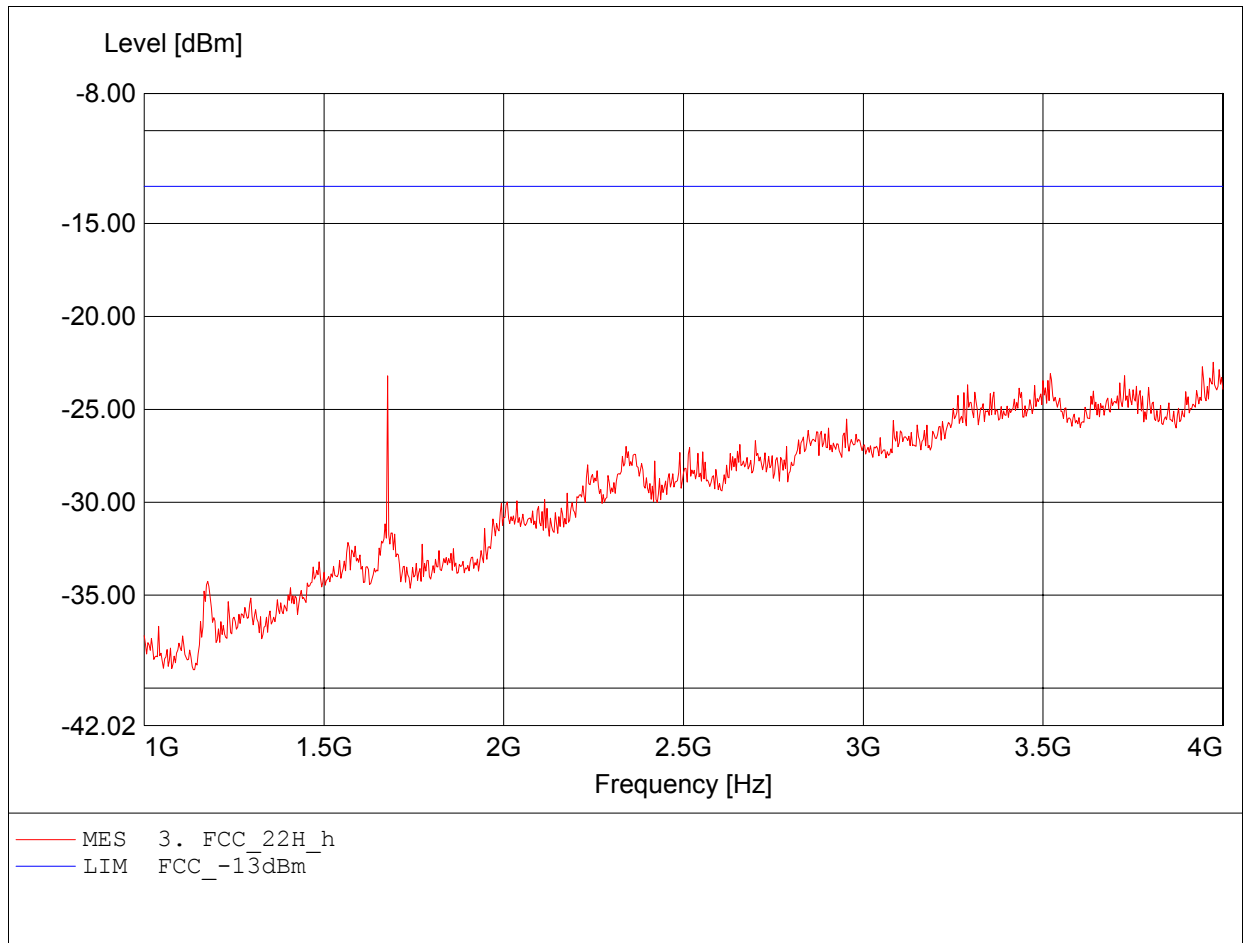
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.960GHz, Pmax: -22.57dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

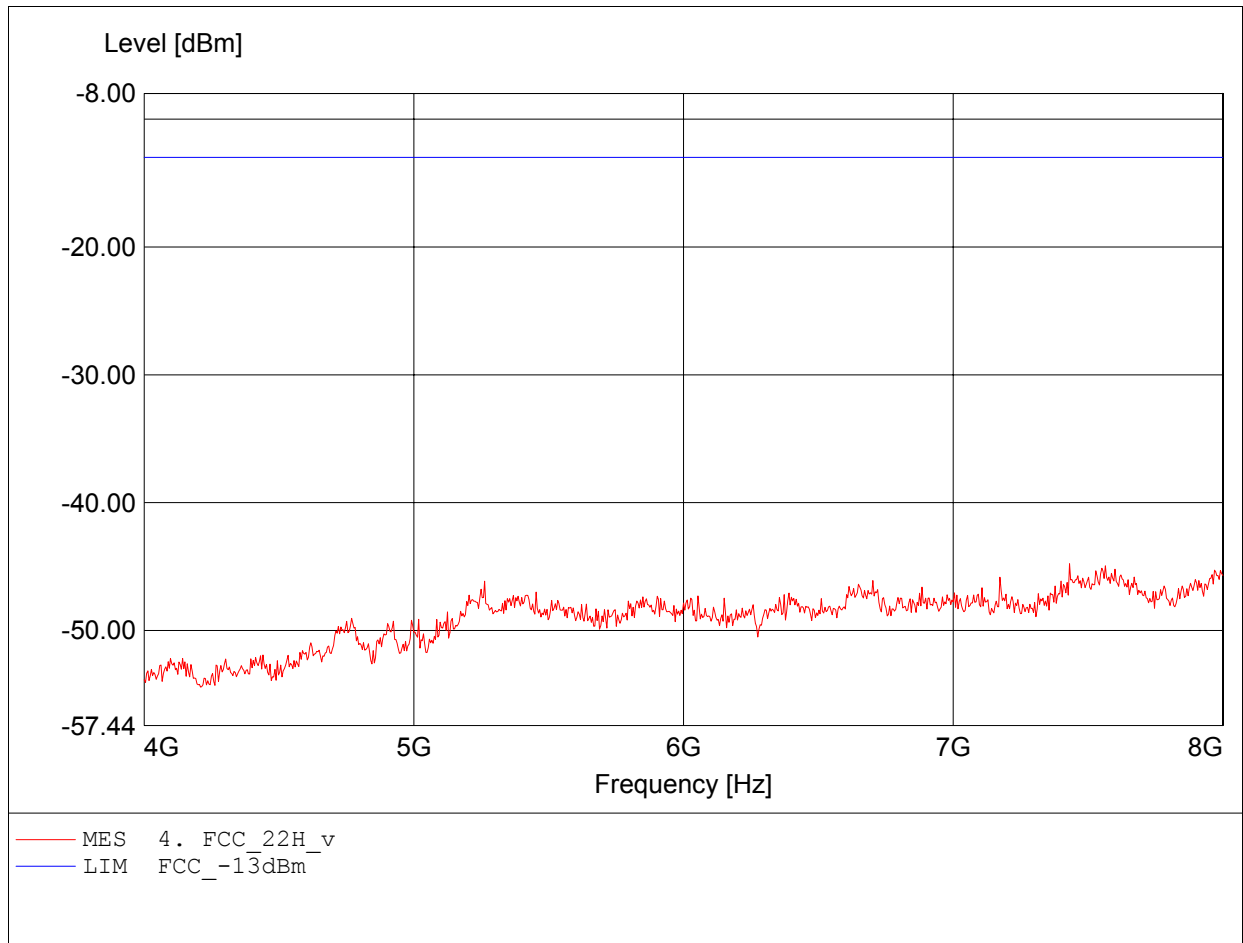
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EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.973GHz, Pmax: -22.47dBm, RBW: 1MHz





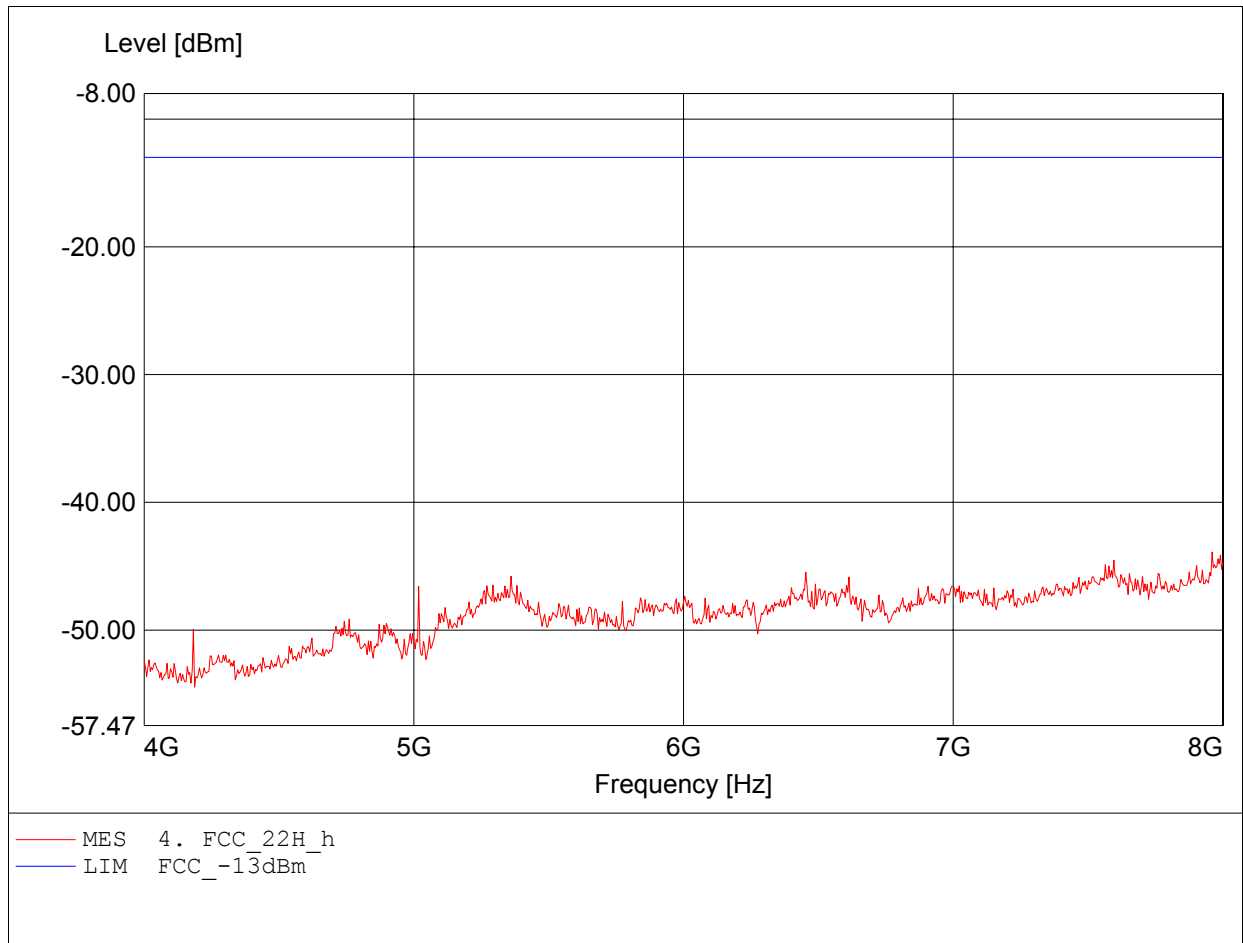
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.431GHz, Pmax: -44.78dBm, RBW: 1MHz



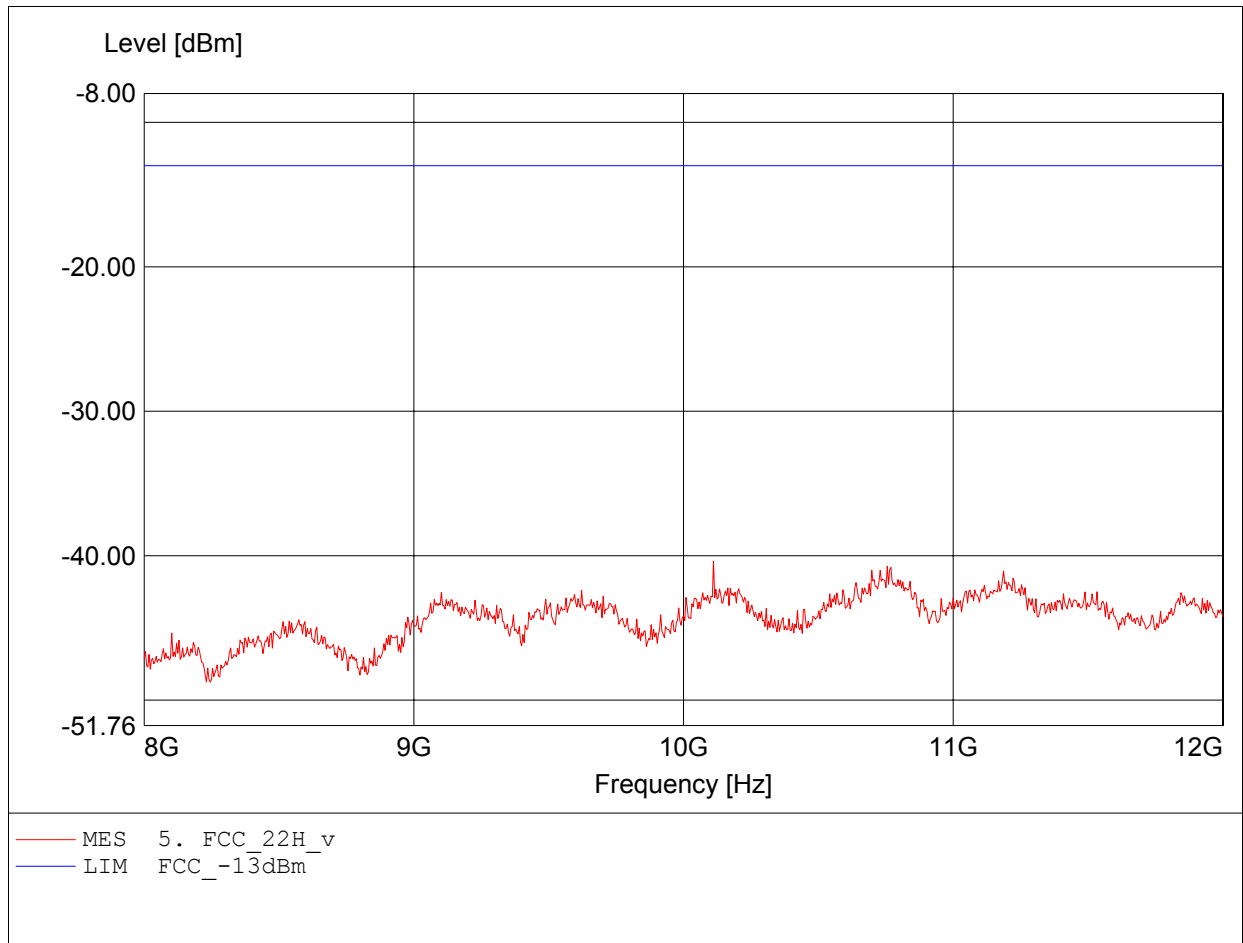
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.960GHz, Pmax: -43.90dBm, RBW: 1MHz



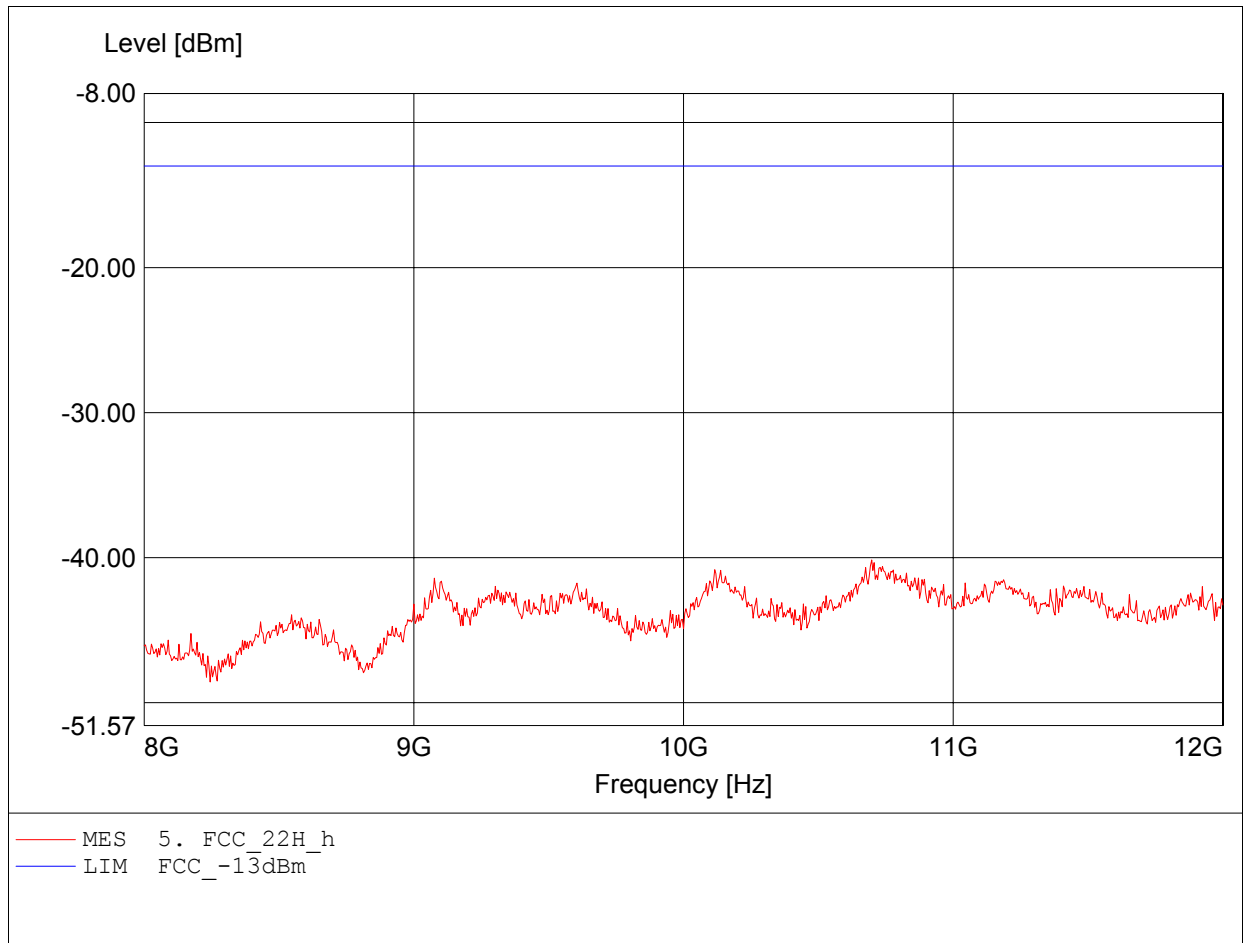
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.111GHz, Pmax: -40.39dBm, RBW: 1MHz



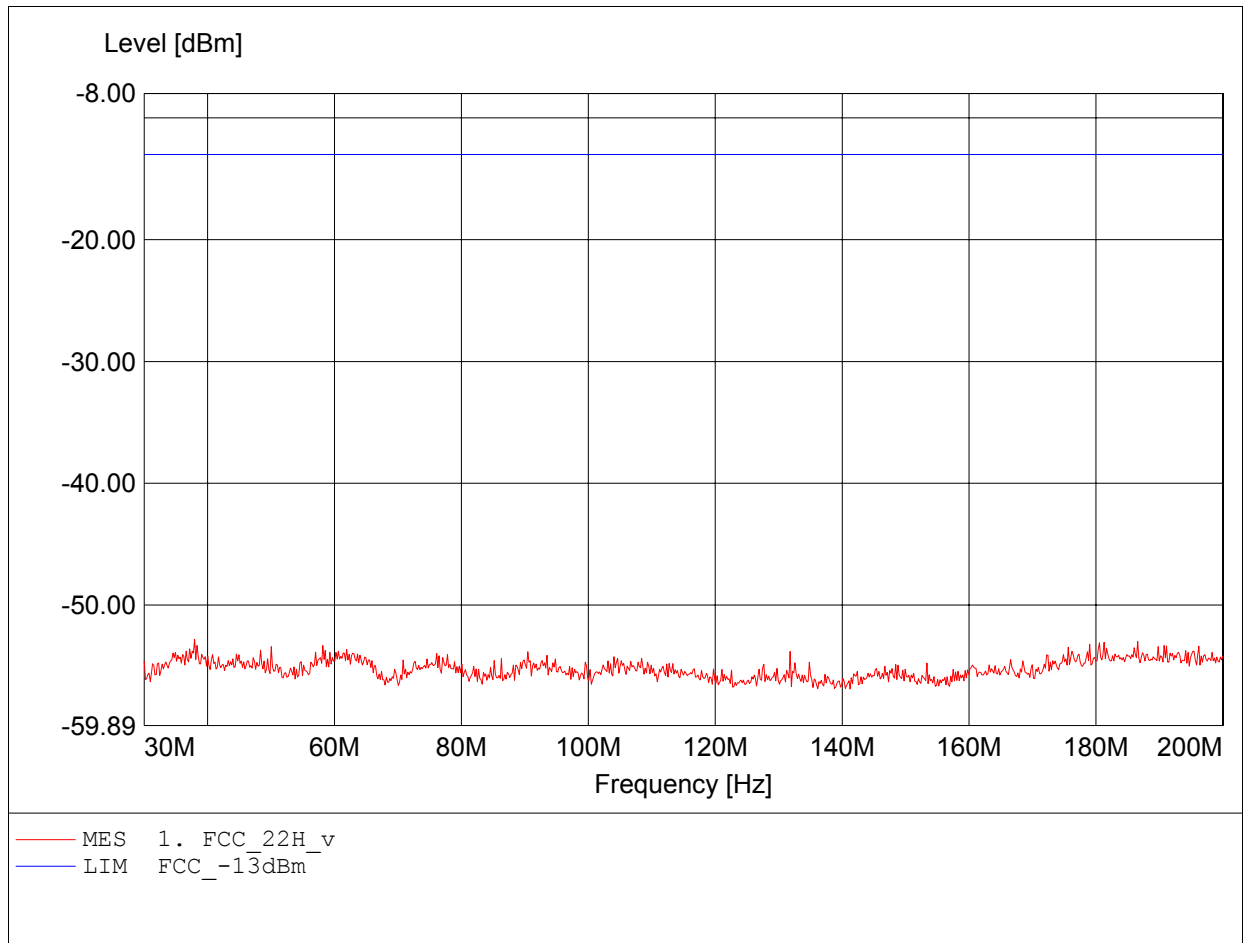
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 188  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.698GHz, Pmax: -40.15dBm, RBW: 1MHz



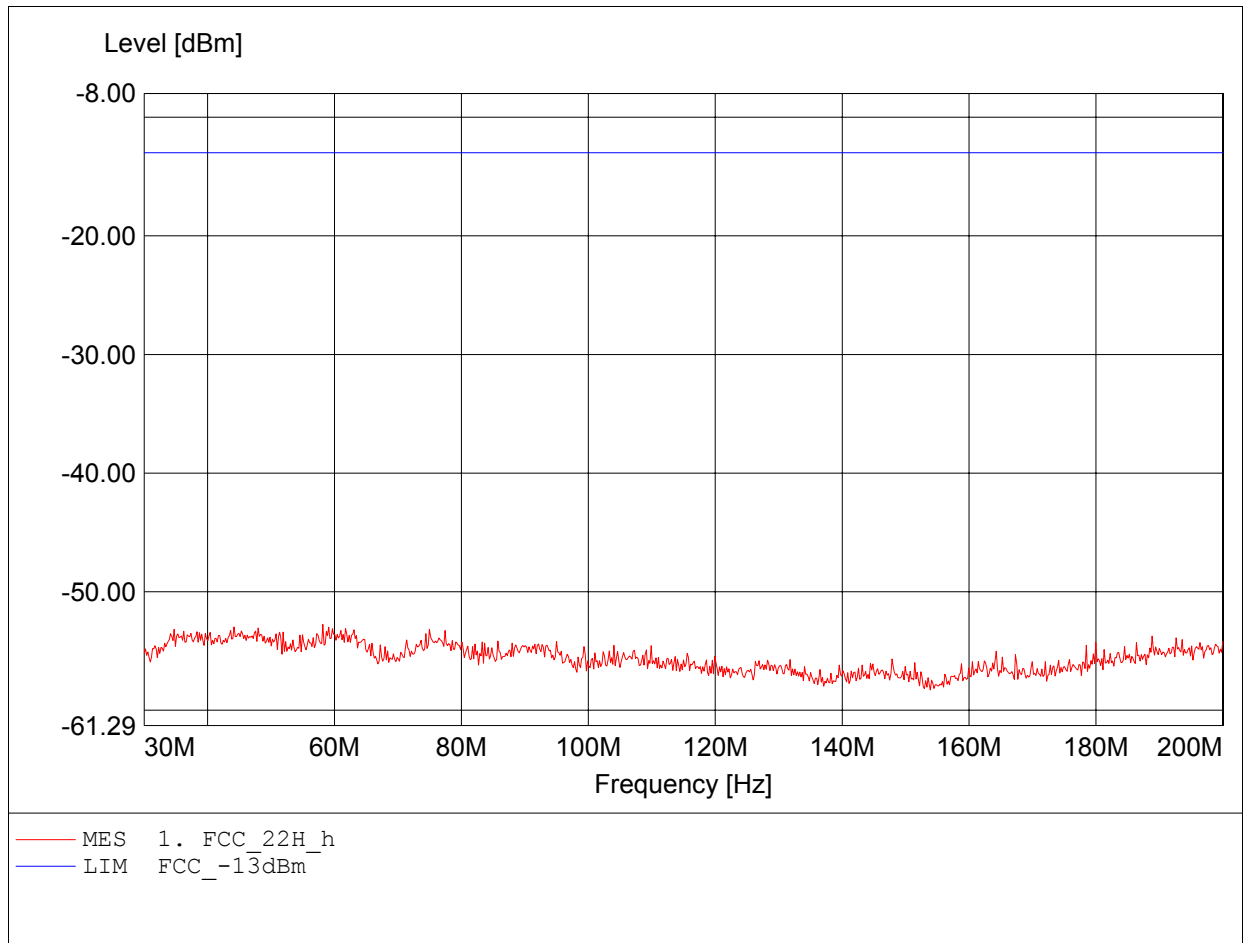
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 37.933MHz, Pmax: -52.81dBm, RBW: 1MHz



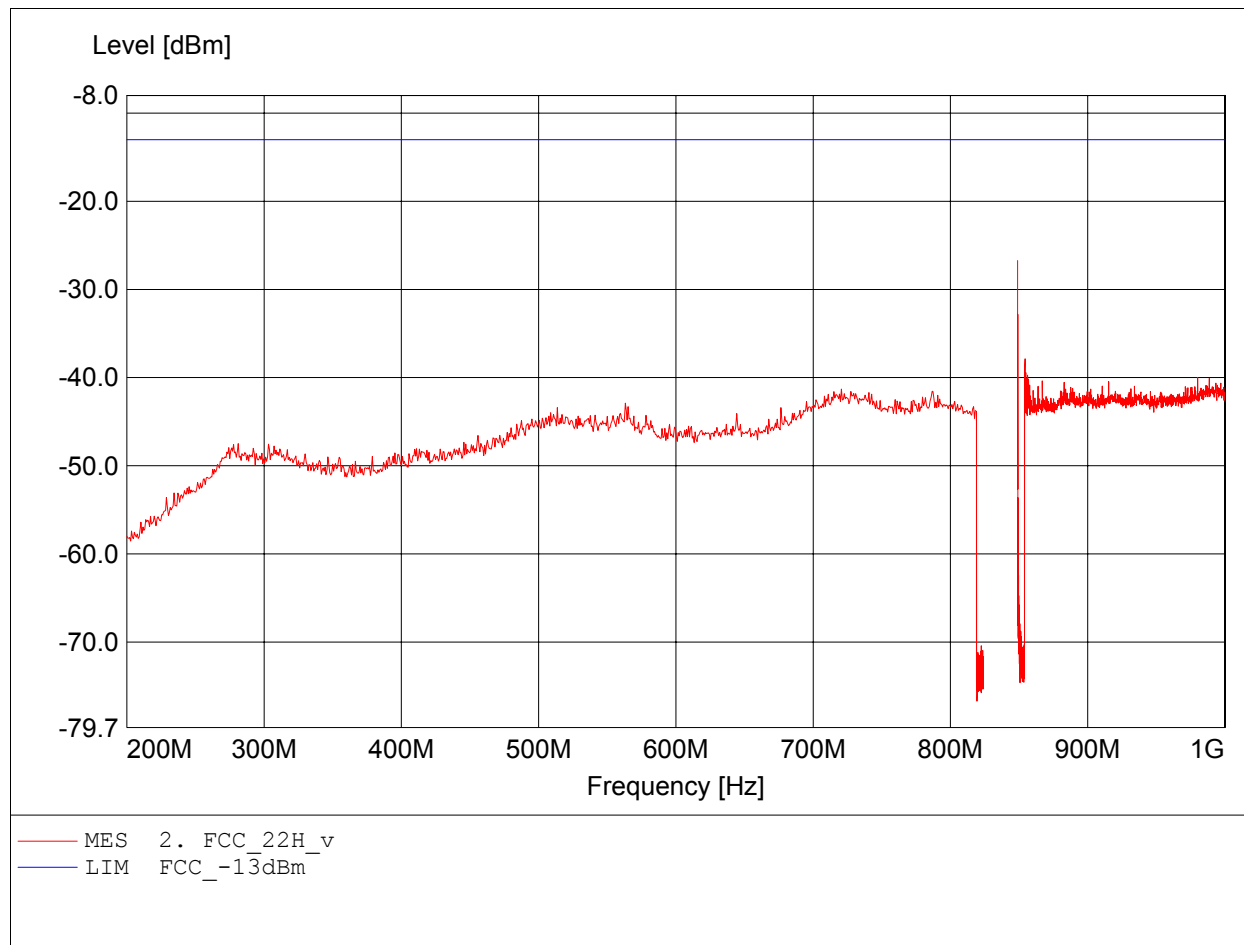
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 58.144MHz, Pmax: -52.76dBm, RBW: 1MHz



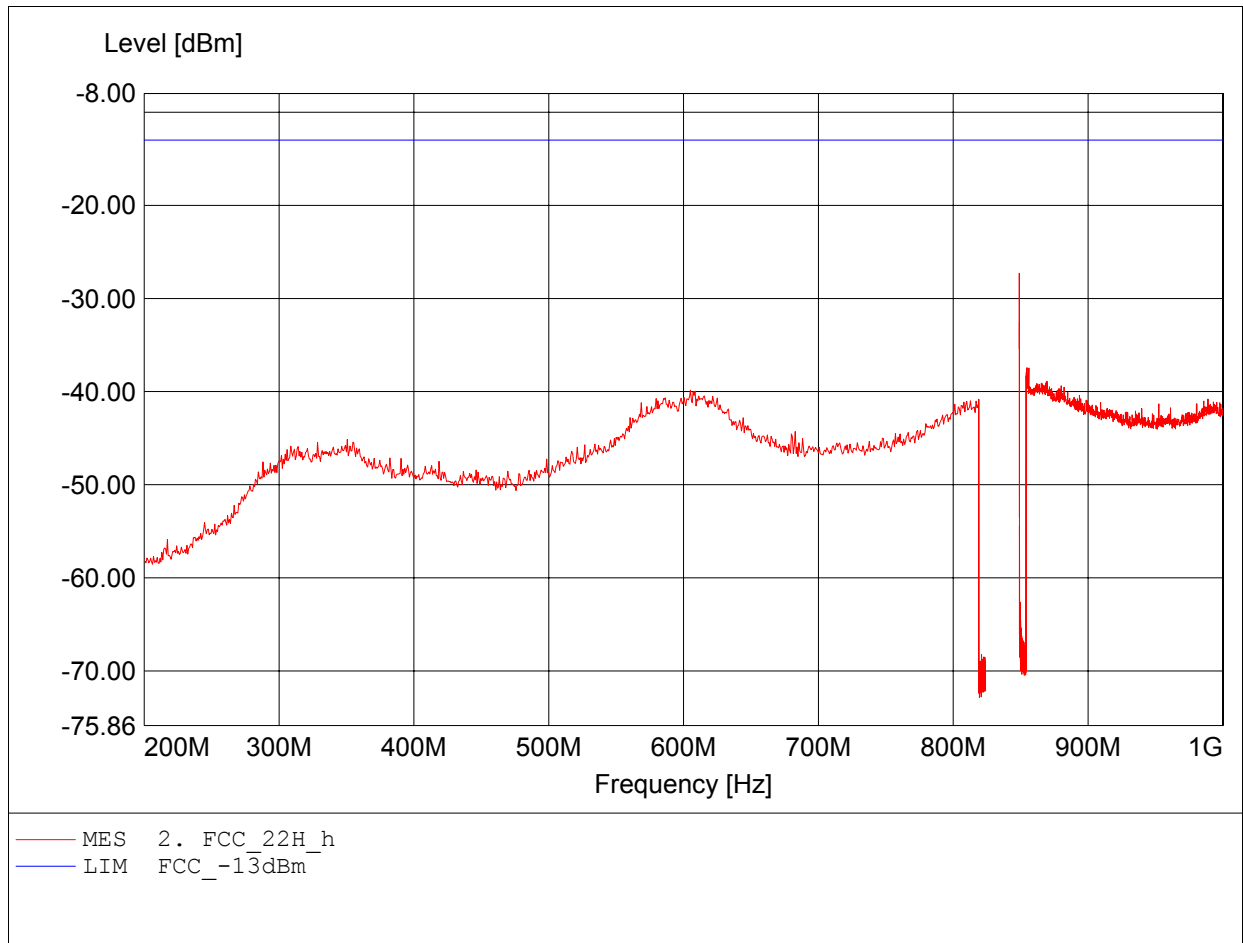
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL 223+notch  
Comment 2: Freq: 849.017MHz, Pmax: -26.72dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

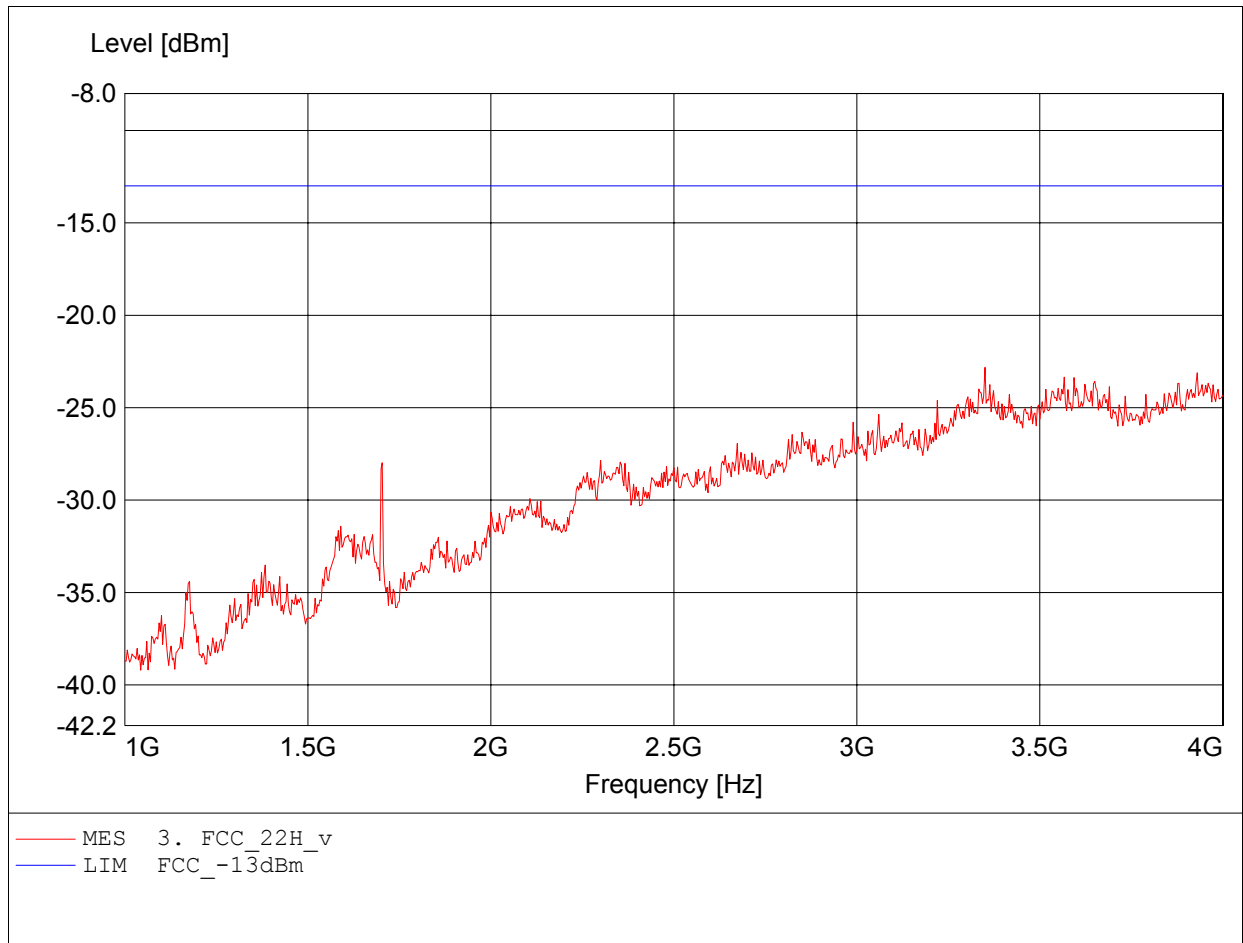
Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.2 V DC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL 223+notch  
Comment 2: Freq: 849.017MHz, Pmax: -27.29dBm, RBW: 1MHz





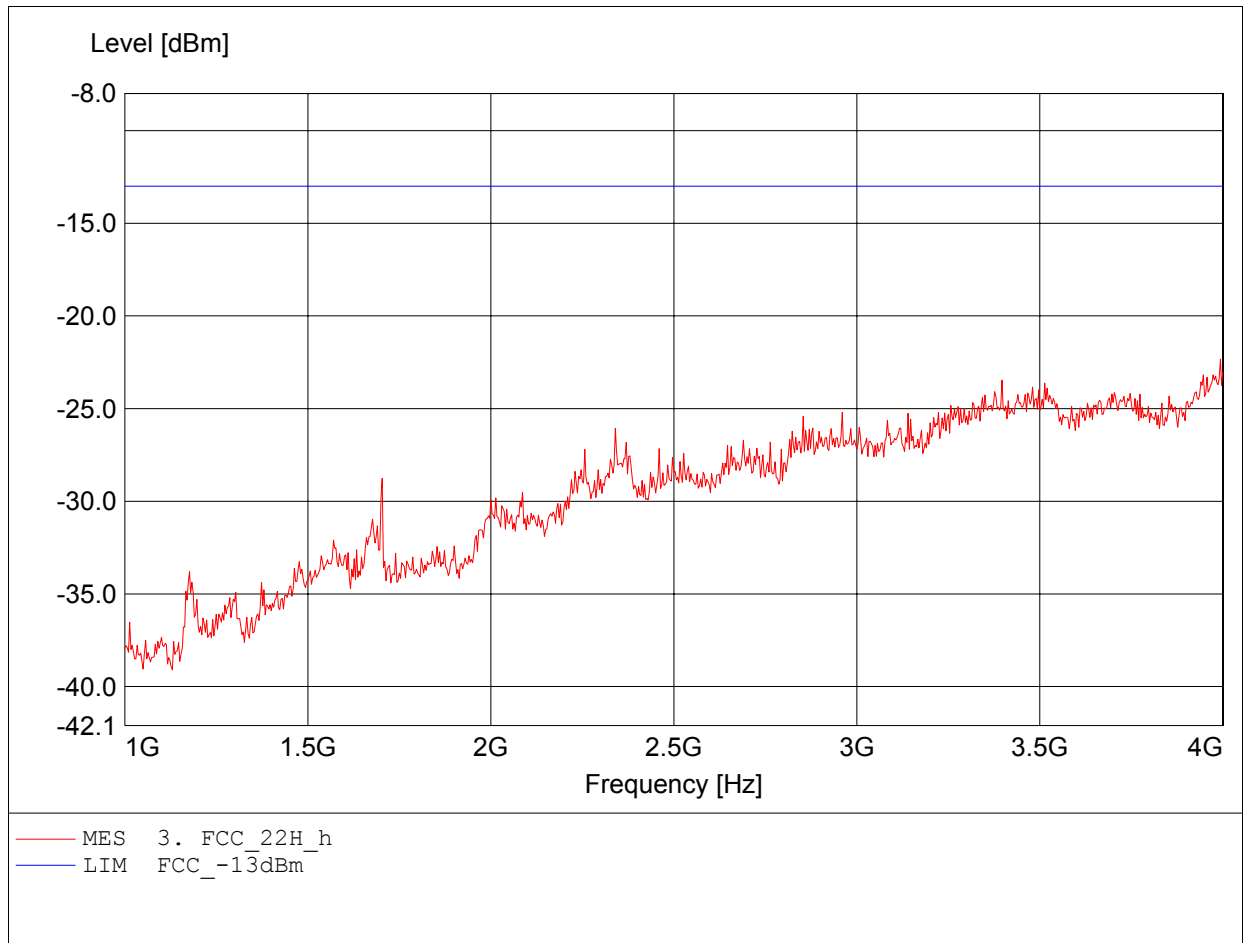
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.350GHz, Pmax: -22.82dBm, RBW: 1MHz



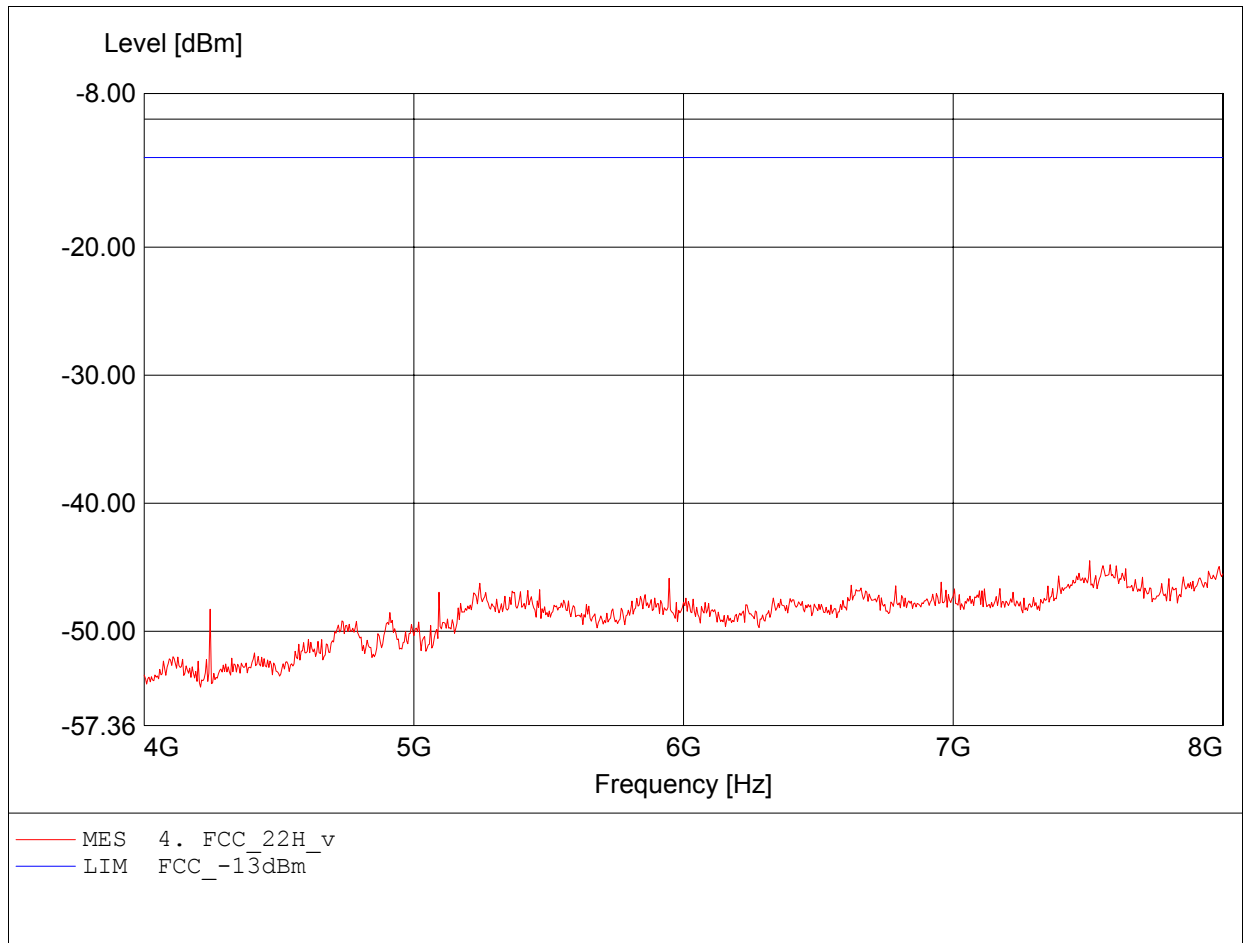
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.993GHz, Pmax: -22.32dBm, RBW: 1MHz



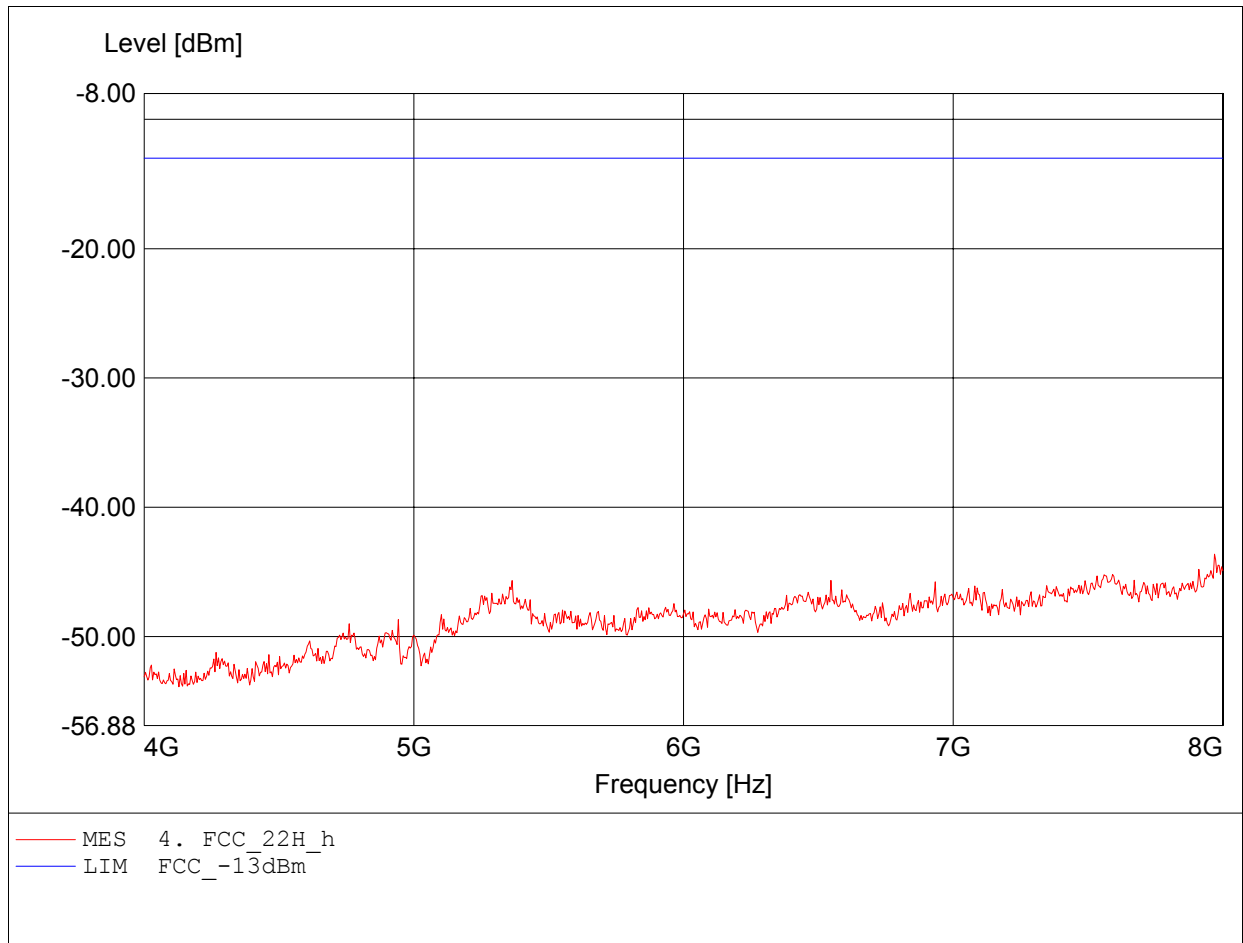
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.507GHz, Pmax: -44.49dBm, RBW: 1MHz



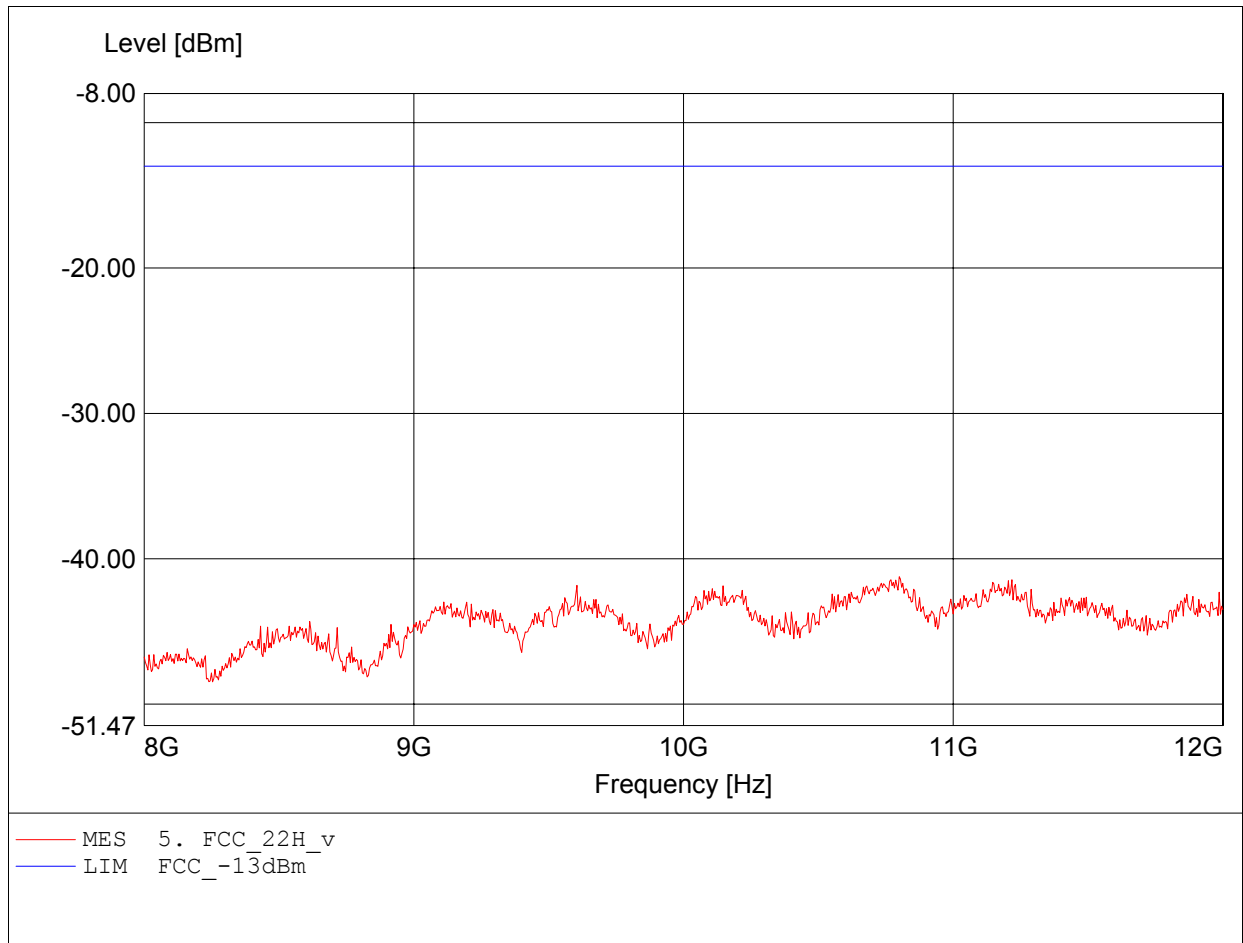
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.969GHz, Pmax: -43.61dBm, RBW: 1MHz



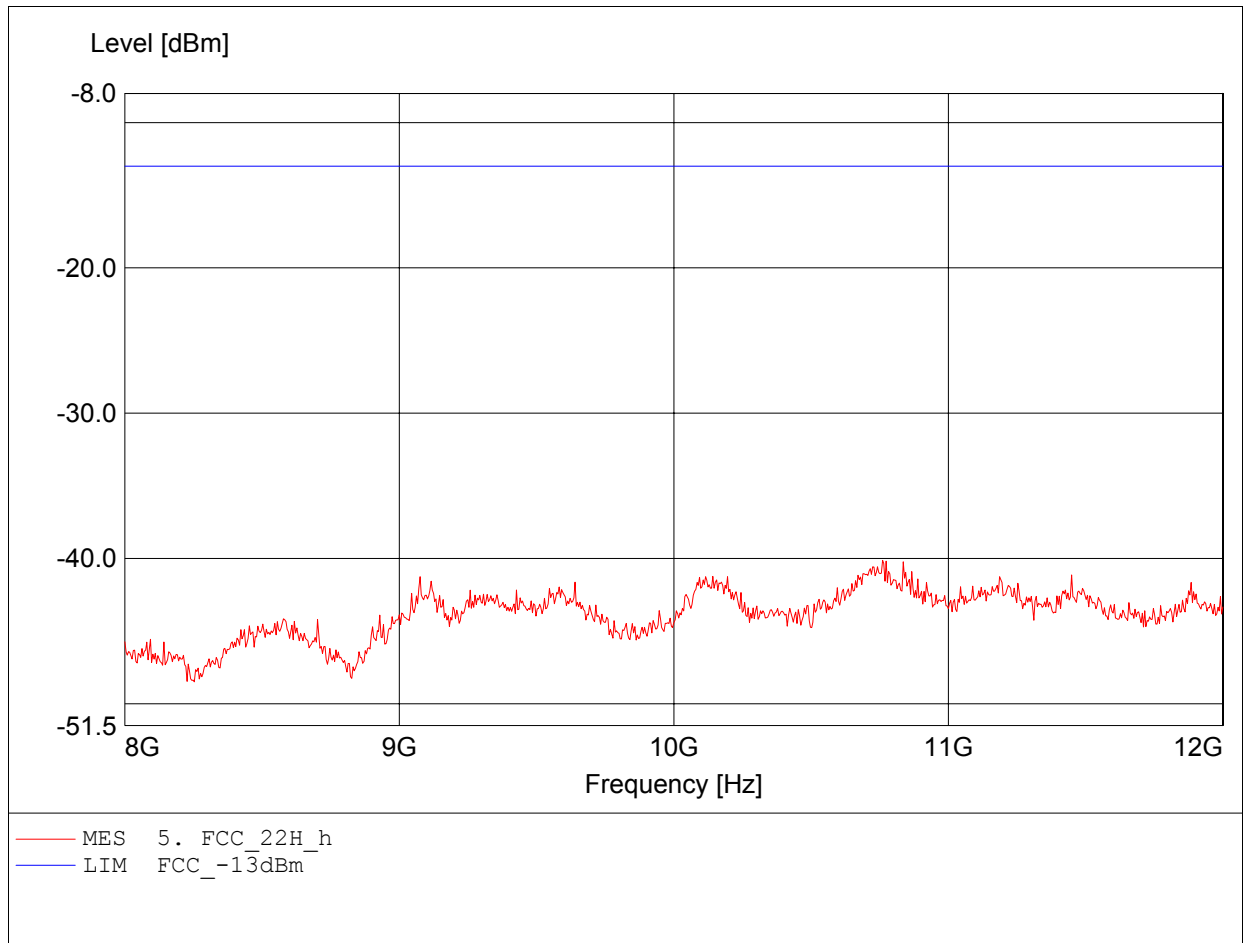
**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.800GHz, Pmax: -41.24dBm, RBW: 1MHz



**Radiated Emissions Tx**  
**FCC RULES PART 22 SUBPART H**

Applicant: Pantech Ltd.  
EUT: Dual Band 850 (E-GSM) / PCS 1900 (with WAP & GPRS)  
Model/Channel: PG-1410 / Ch.: 251  
Temperature/ Voltage: Temp.: 23°C, Unom.: 4.20 VDC (battery)  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: according to §22.917  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.760GHz, Pmax: -40.13dBm, RBW: 1MHz

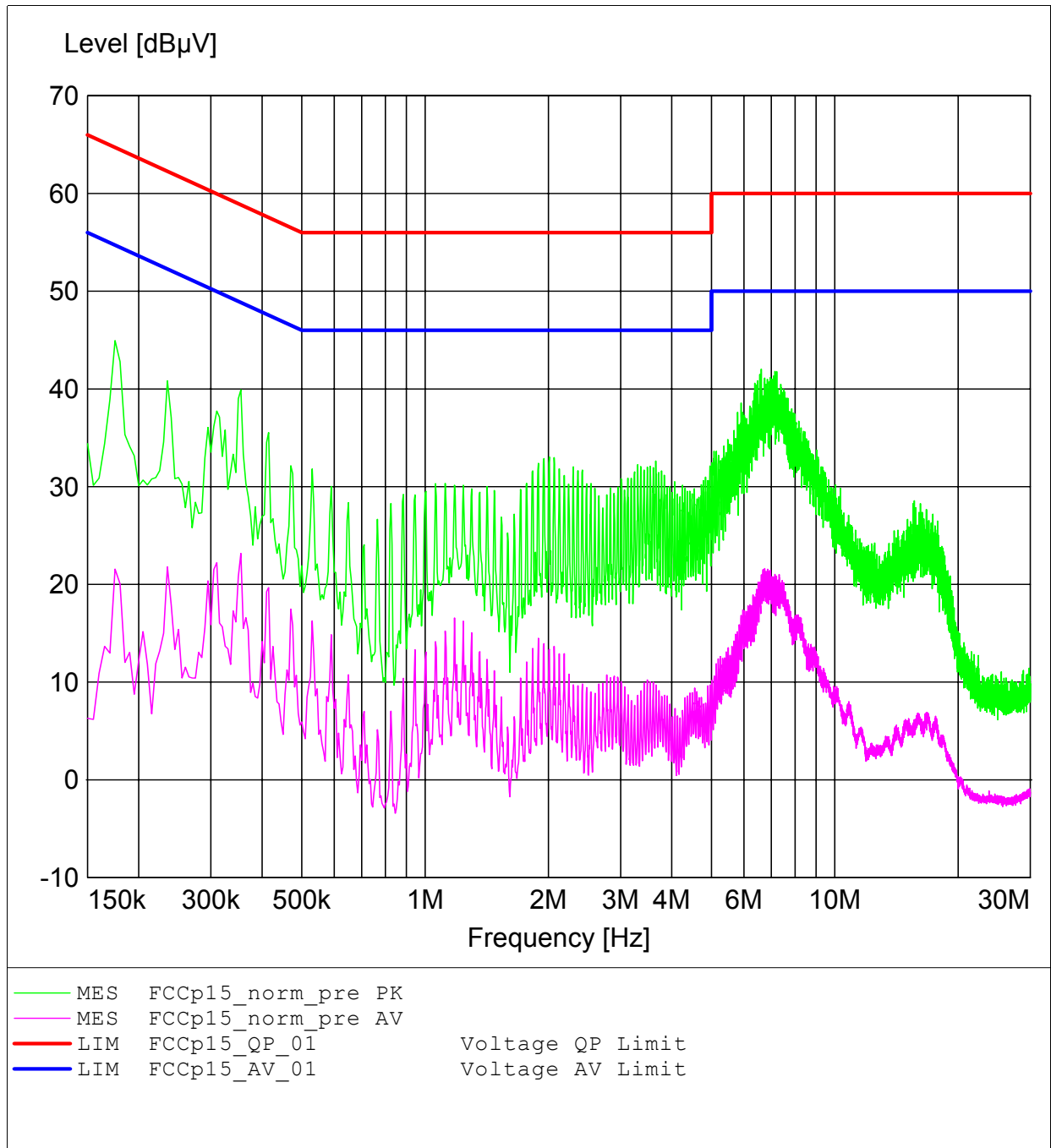


## Appendix J

Line Conducted Emissions

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

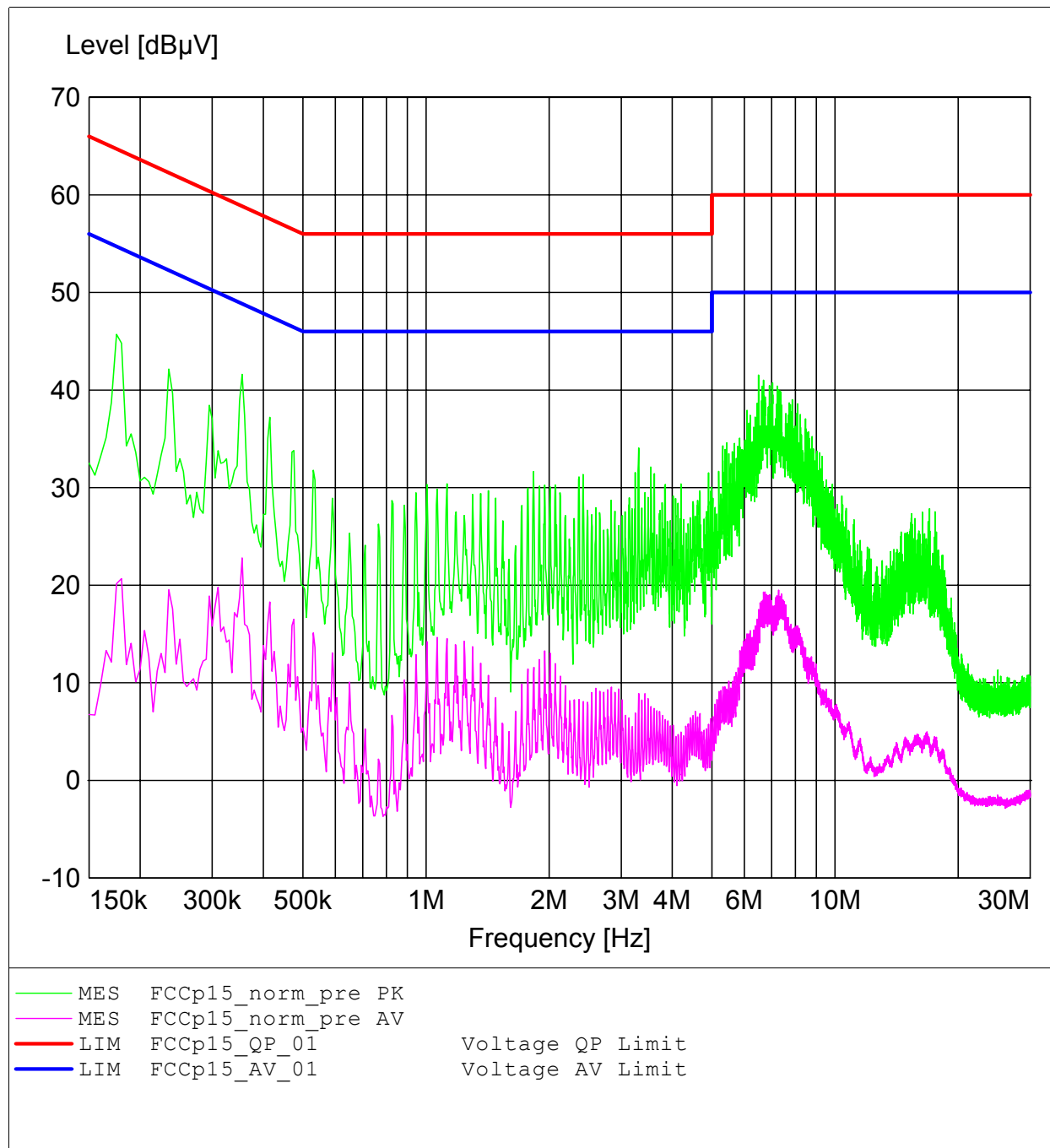
EUT: DUAL BAND GSM850 (E-GSM)/PCS1900 (WITH WAP & GPRS)  
 Manufacturer: PANTECH CO., LTD.  
 Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR) , Tnom: 23°C  
 Test Site: ETS  
 Operator: Mr. Marquardt  
 Test Specification: V-Network: ESH2-Z5 (L1)  
 Comment: model: PG-1410 mode: LINK AND CHARGING  
 ADAPTOR: 5265C2-EU





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

EUT: DUAL BAND GSM850 (E-GSM)/PCS1900 (WITH WAP & GPRS)  
Manufacturer: PANTECH CO., LTD.  
Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR) , Tnom: 23°C  
Test Site: ETS  
Operator: Mr. Marquardt  
Test Specification: V-Network: ESH2-Z5 (N)  
Comment: model: PG-1410 mode: LINK AND CHARGING  
ADAPTOR: 5265C2-EU



## 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