

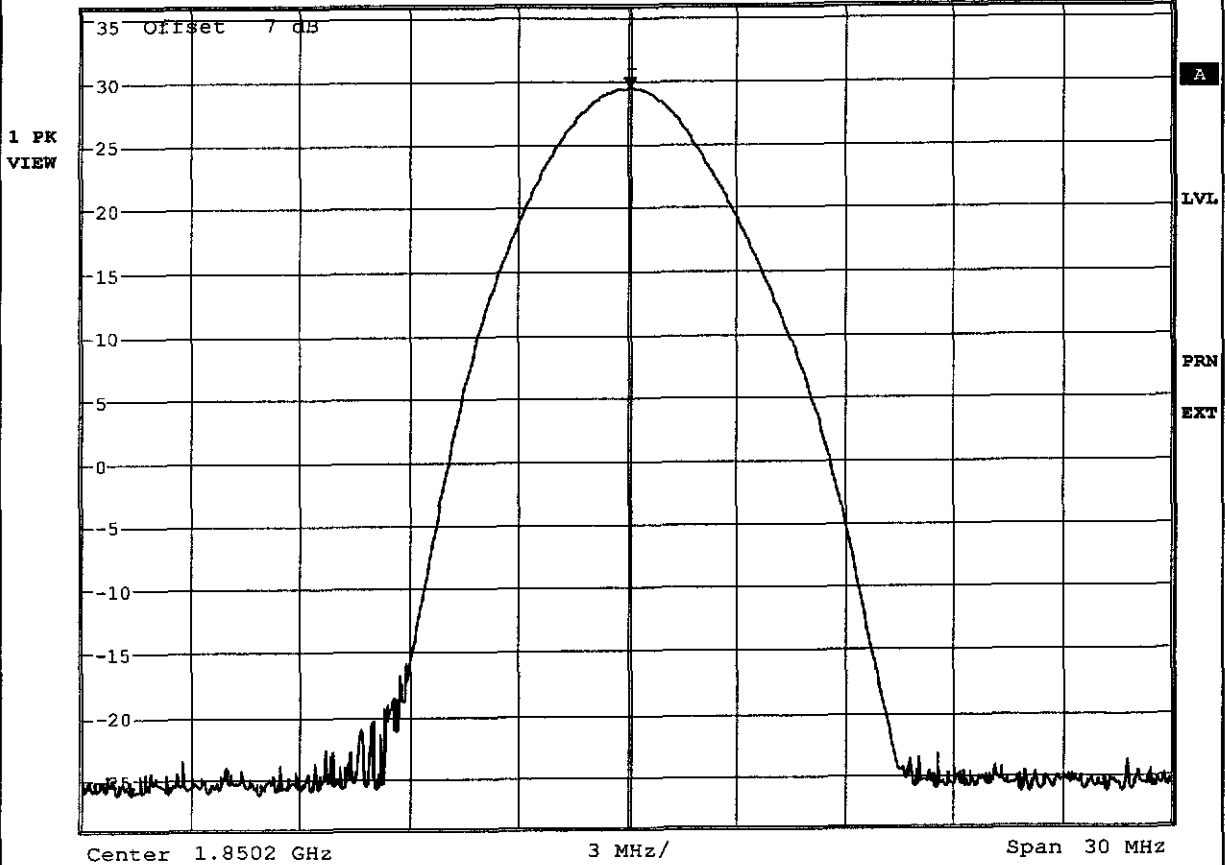


## Appendix B

RF Power Output



Ref 36 dBm      \*Att 45 dB      \*RBW 3 MHz      Marker 1 [T1]      29.32 dBm  
\*VBW 3 MHz      SWT 2.5 ms      1.850248077 GHz



Comment A: Outputpower conducted Channel 512      Model:M1213  
Date: 7.NOV.2002 08:56:27

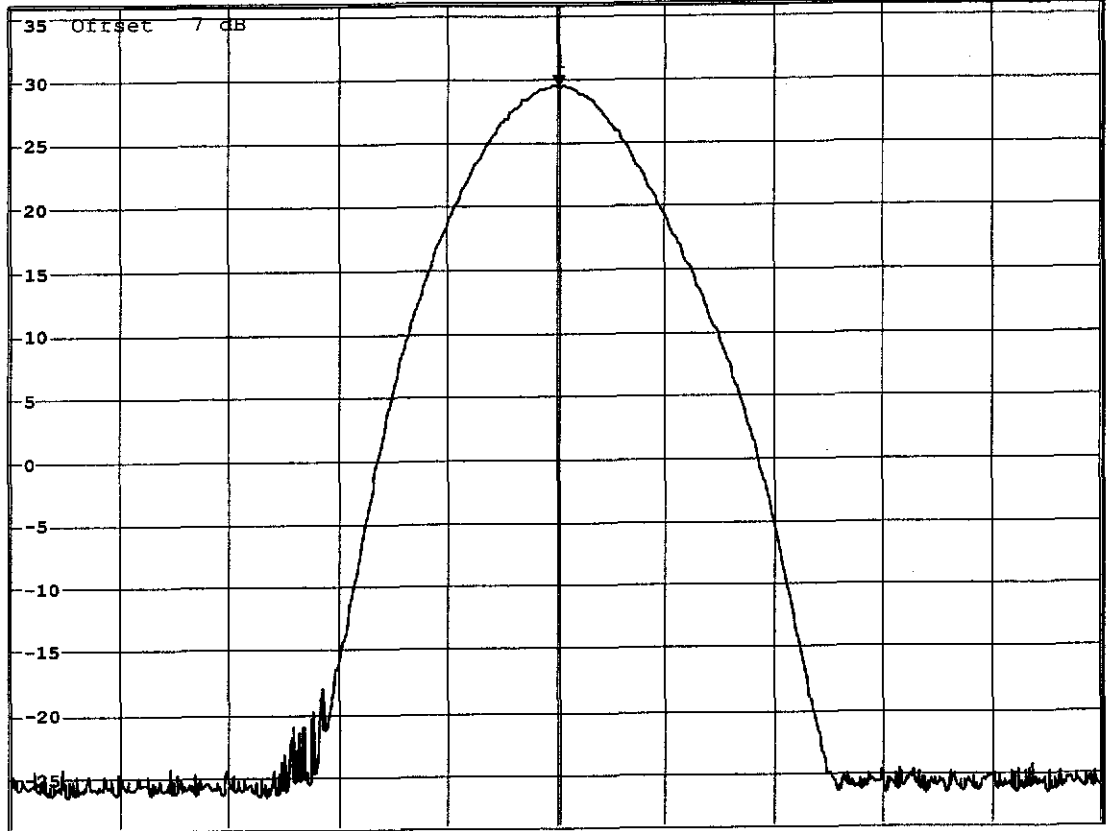


\*RBW 3 MHz    Marker 1 [T1 ]  
\*VBW 3 MHz    29.38 dBm  
SWT 2.5 ms    1.880048077 GHz

Ref 36 dBm

\*Att 45 dB

1 PK  
VIEW



Center 1.88 GHz

3 MHz/

Span 30 MHz

Comment A: Outputpower conducted Channel 661  
Date: 7.NOV.2002 08:58:26

Model:M1213

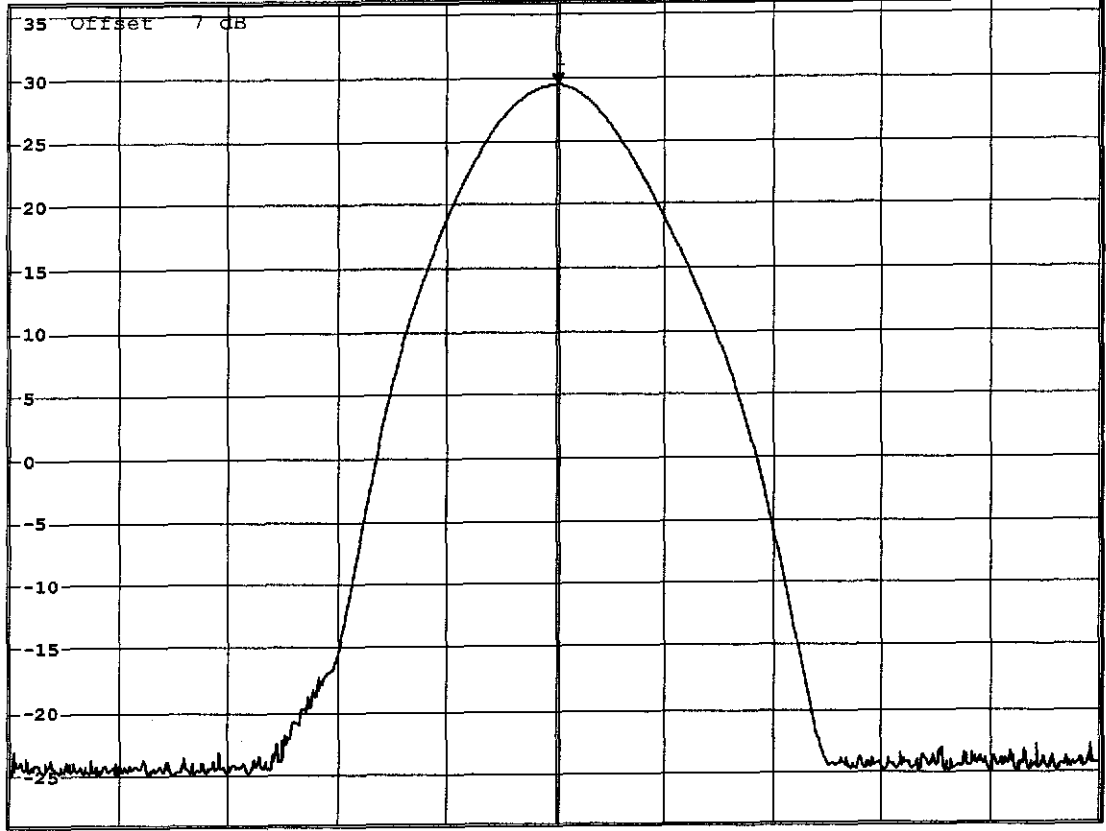


\*RBW 3 MHz    Marker 1 [T1 ]  
\*VBW 3 MHz    29.37 dBm  
\*SWT 250 ms    1.909848077 GHz

Ref 36 dBm

\*Att 45 dB

1 PK  
MAXH



Center 1.9098 GHz    3 MHz/    Span 30 MHz

Comment A: Outputpower conducted Channel 810    Model:M1213  
Date: 7.NOV.2002 09:01:17

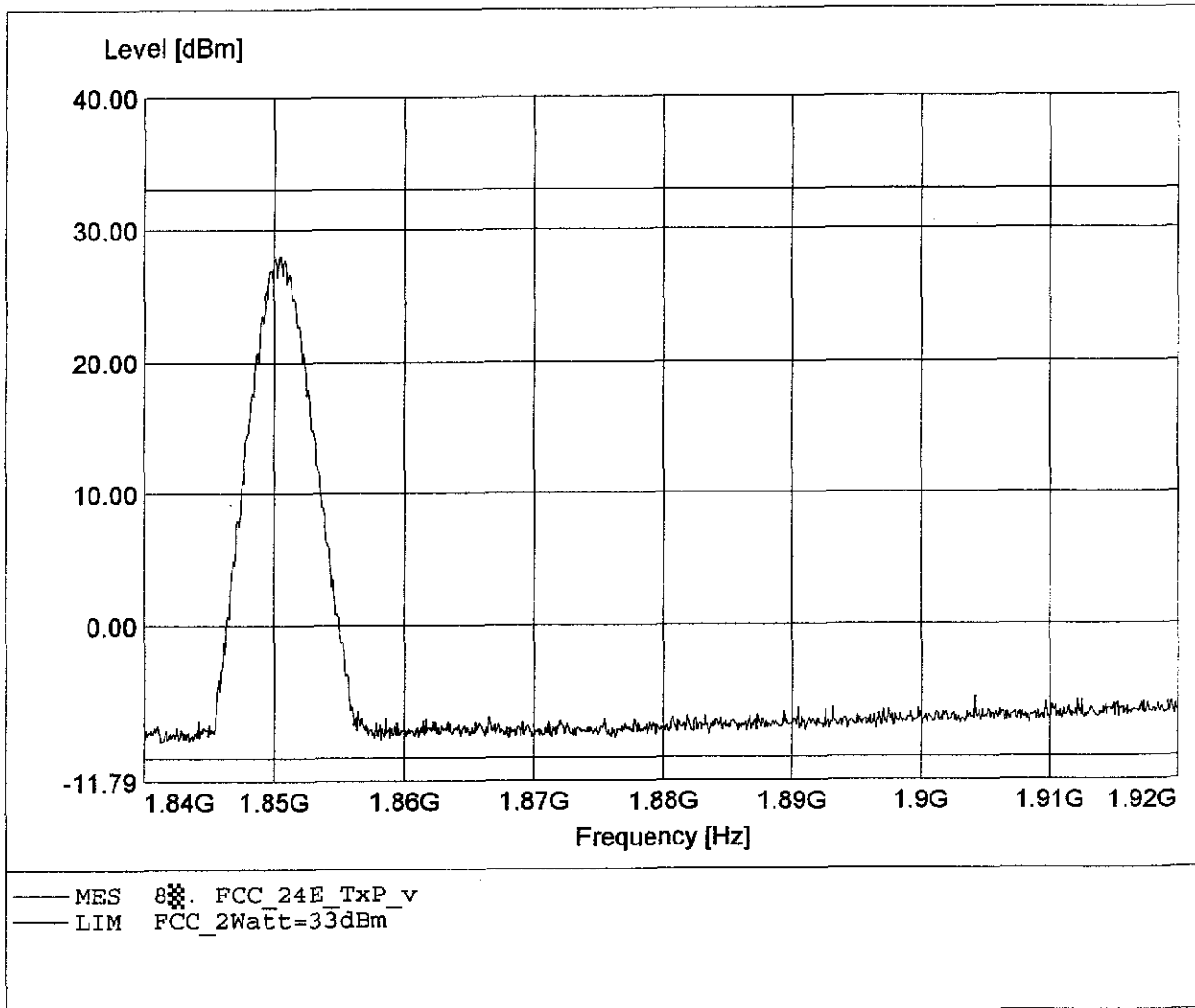


## Appendix C

Radiated Power

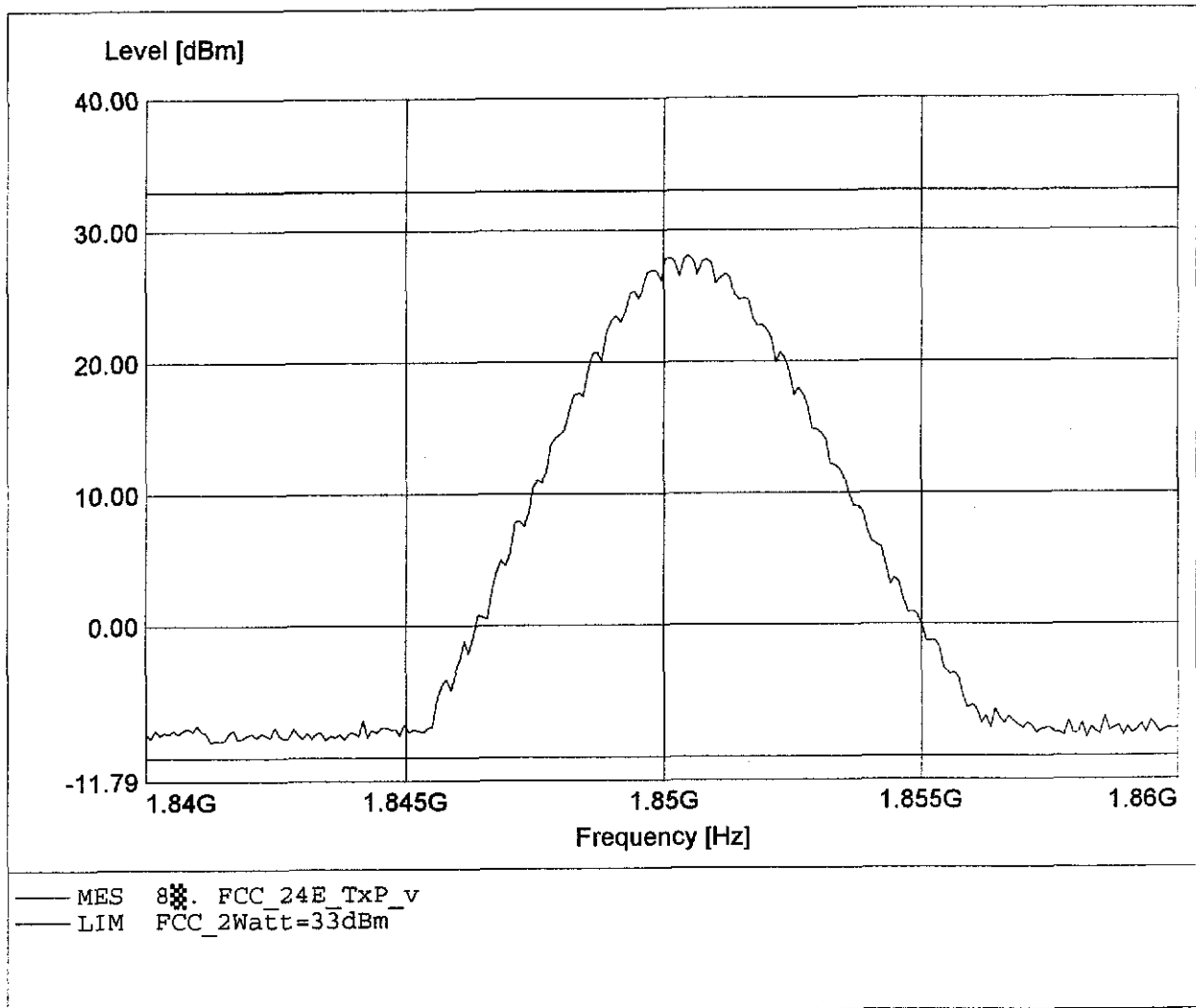
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.850GHz, Pmax: 28.06dBm, RBW: 3MHz



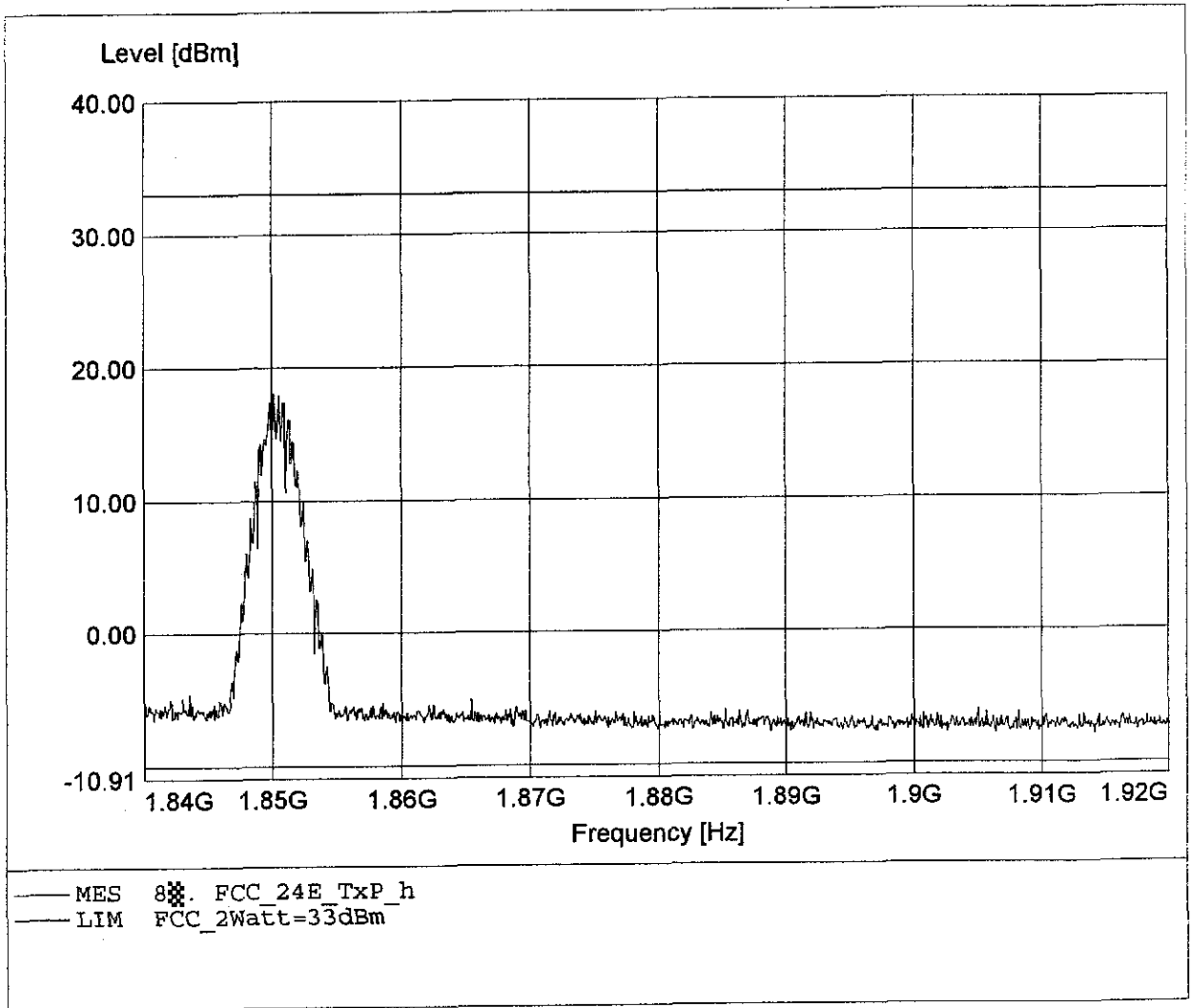
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.850GHz, Pmax: 28.06dBm, RBW: 3MHz



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

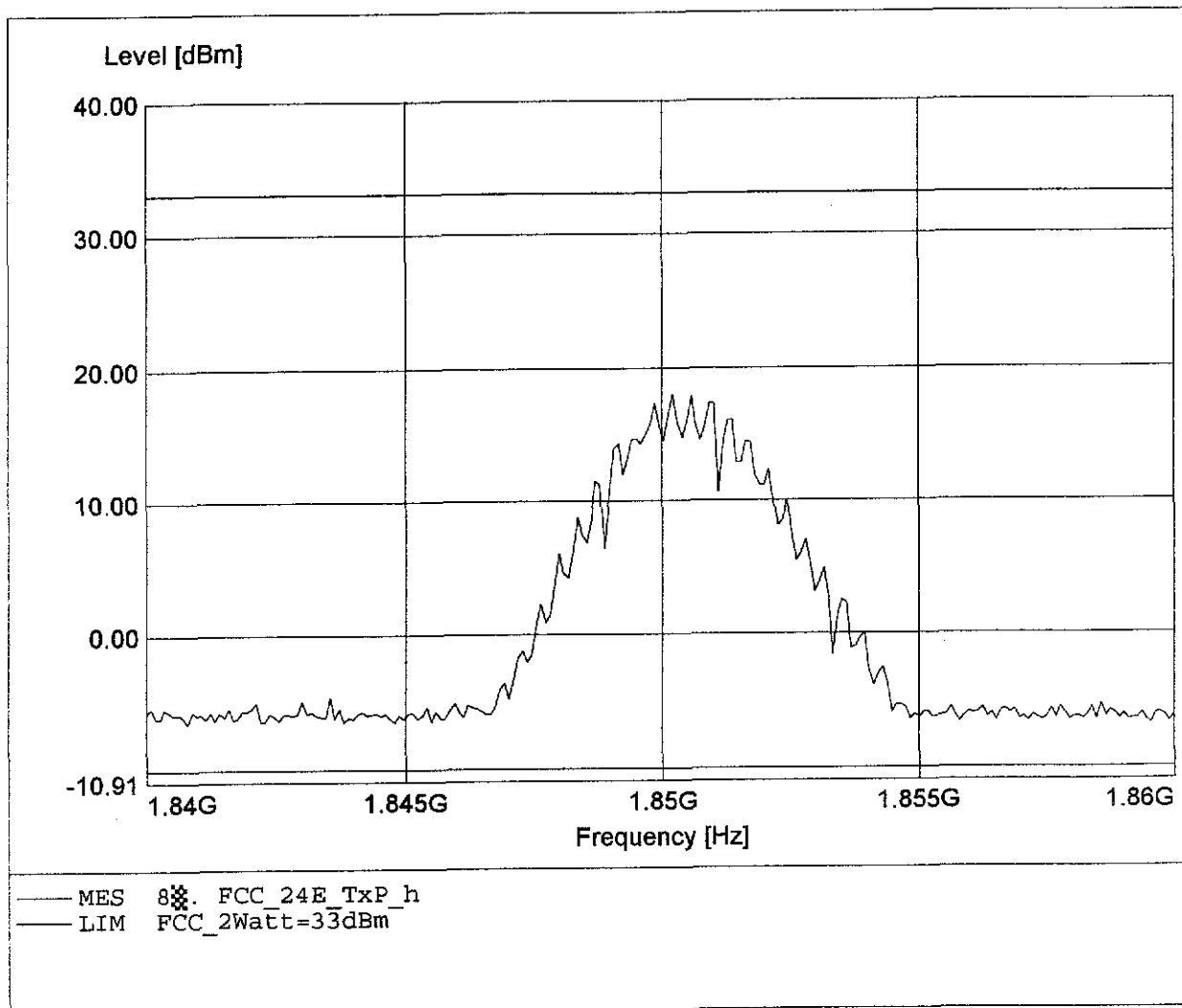
EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.850GHz, Pmax: 17.98dBm, RBW: 3MHz





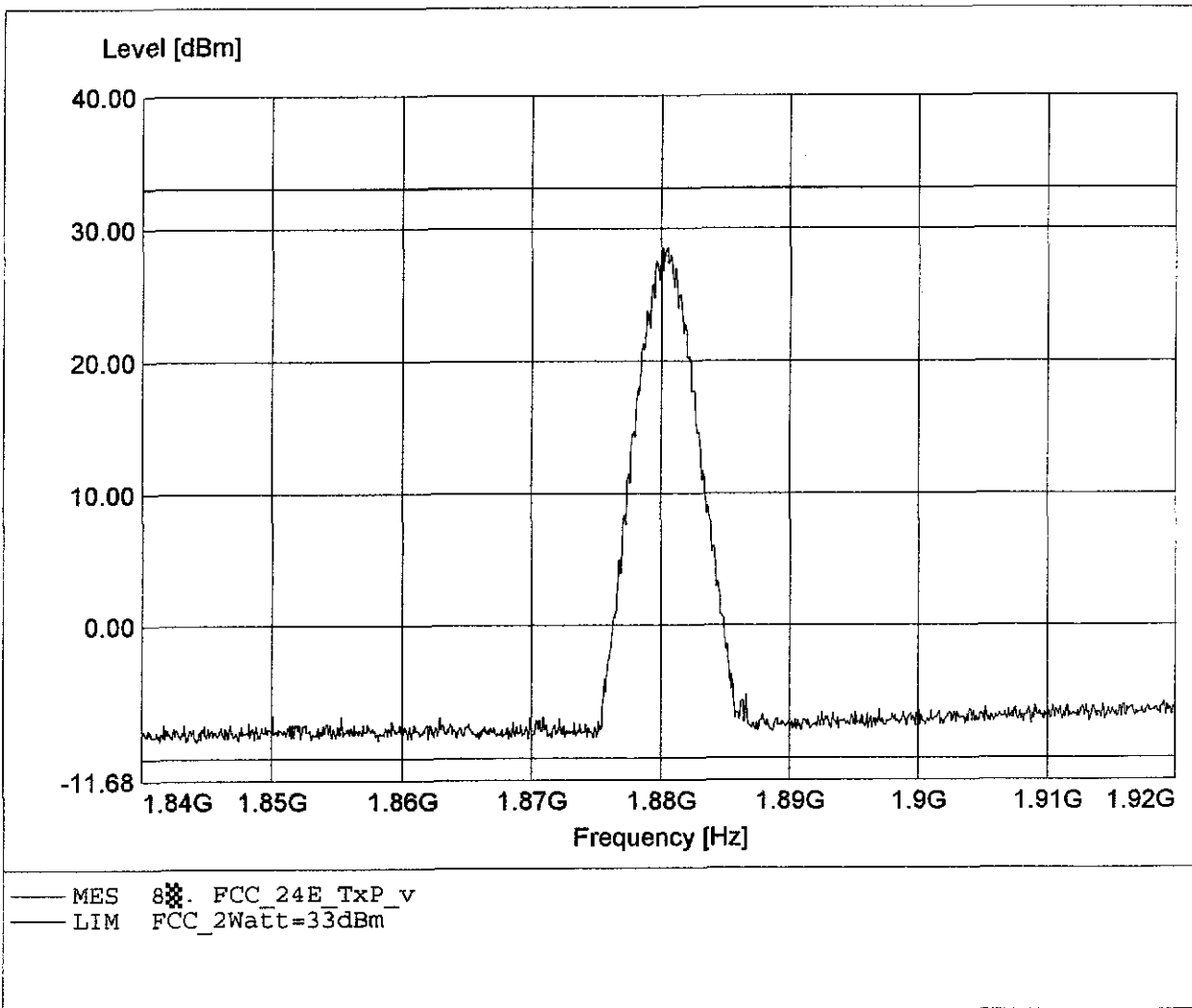
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.850GHz, Pmax: 17.98dBm, RBW: 3MHz



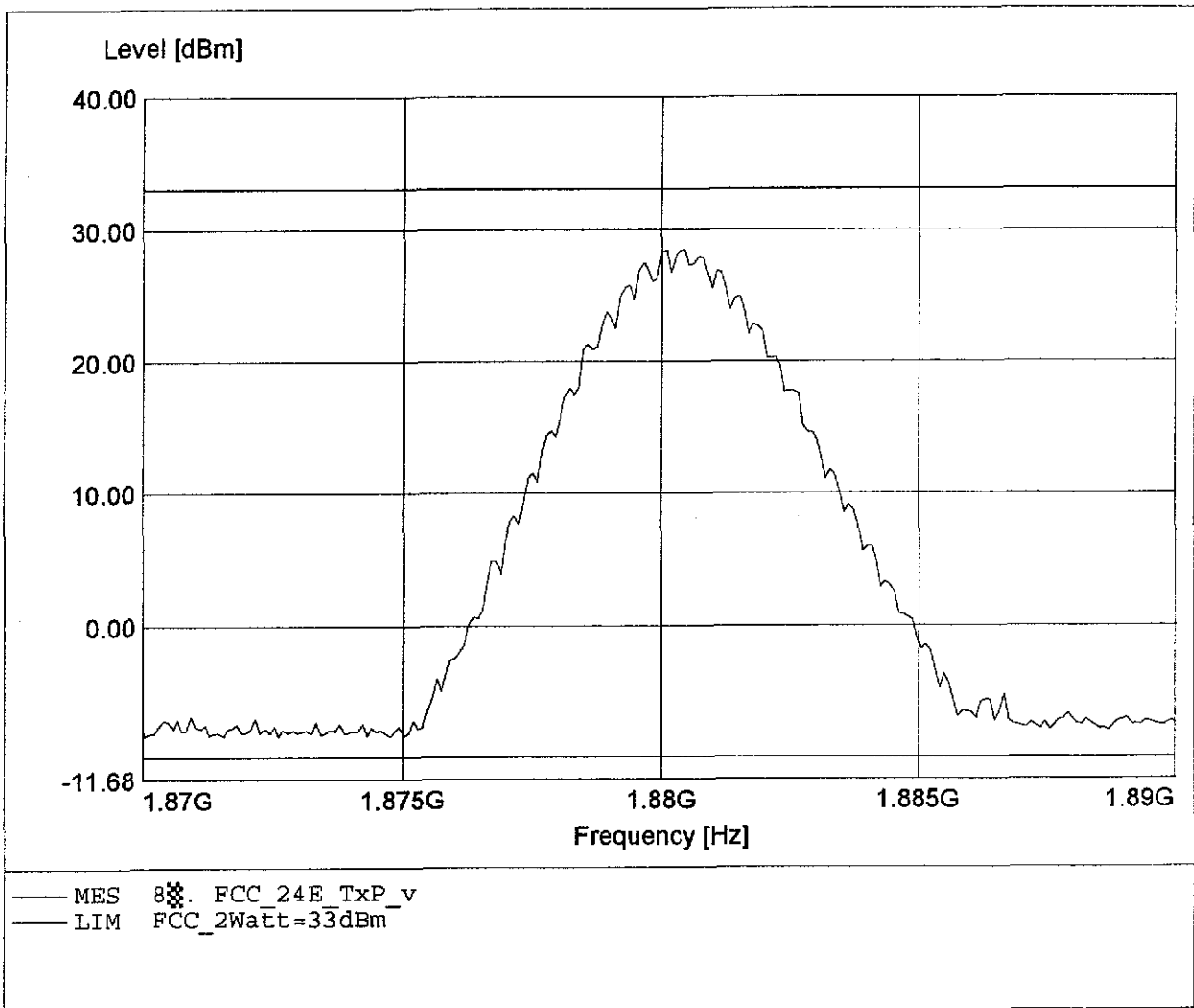
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.880GHz, Pmax: 28.50dBm, RBW: 3MHz



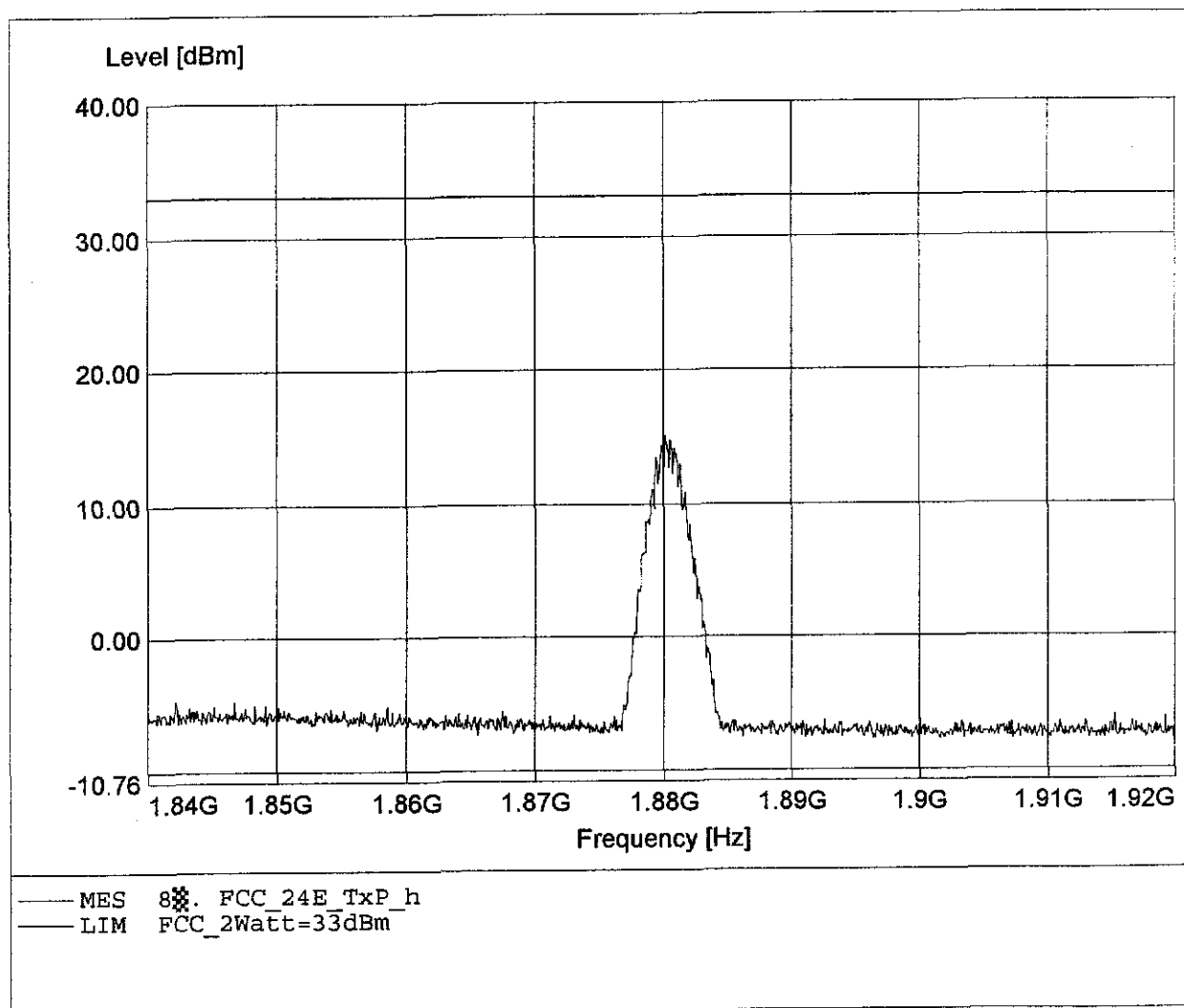
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.880GHz, Pmax: 28.50dBm, RBW: 3MHz



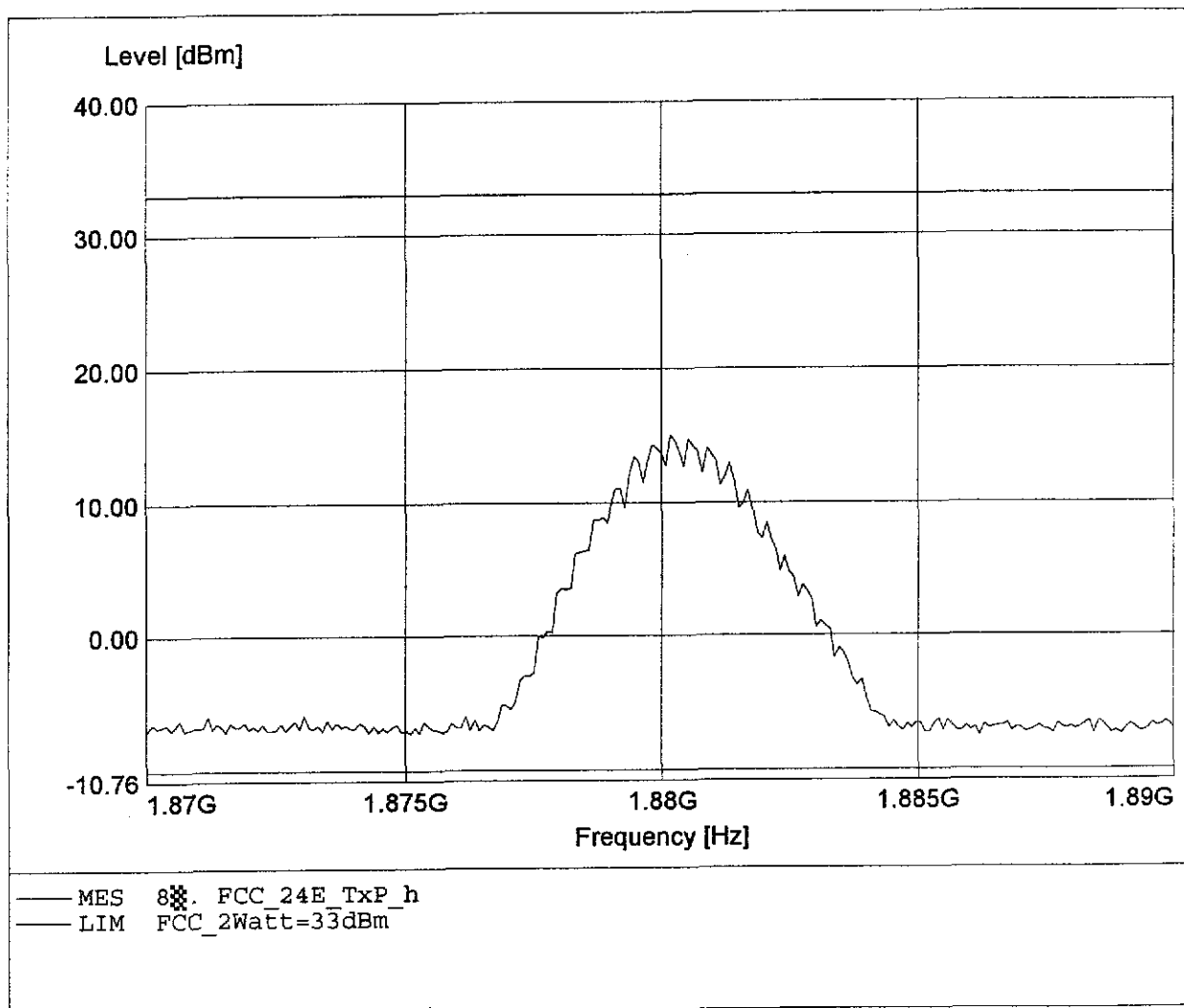
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.880GHz, Pmax: 15.03dBm, RBW: 3MHz



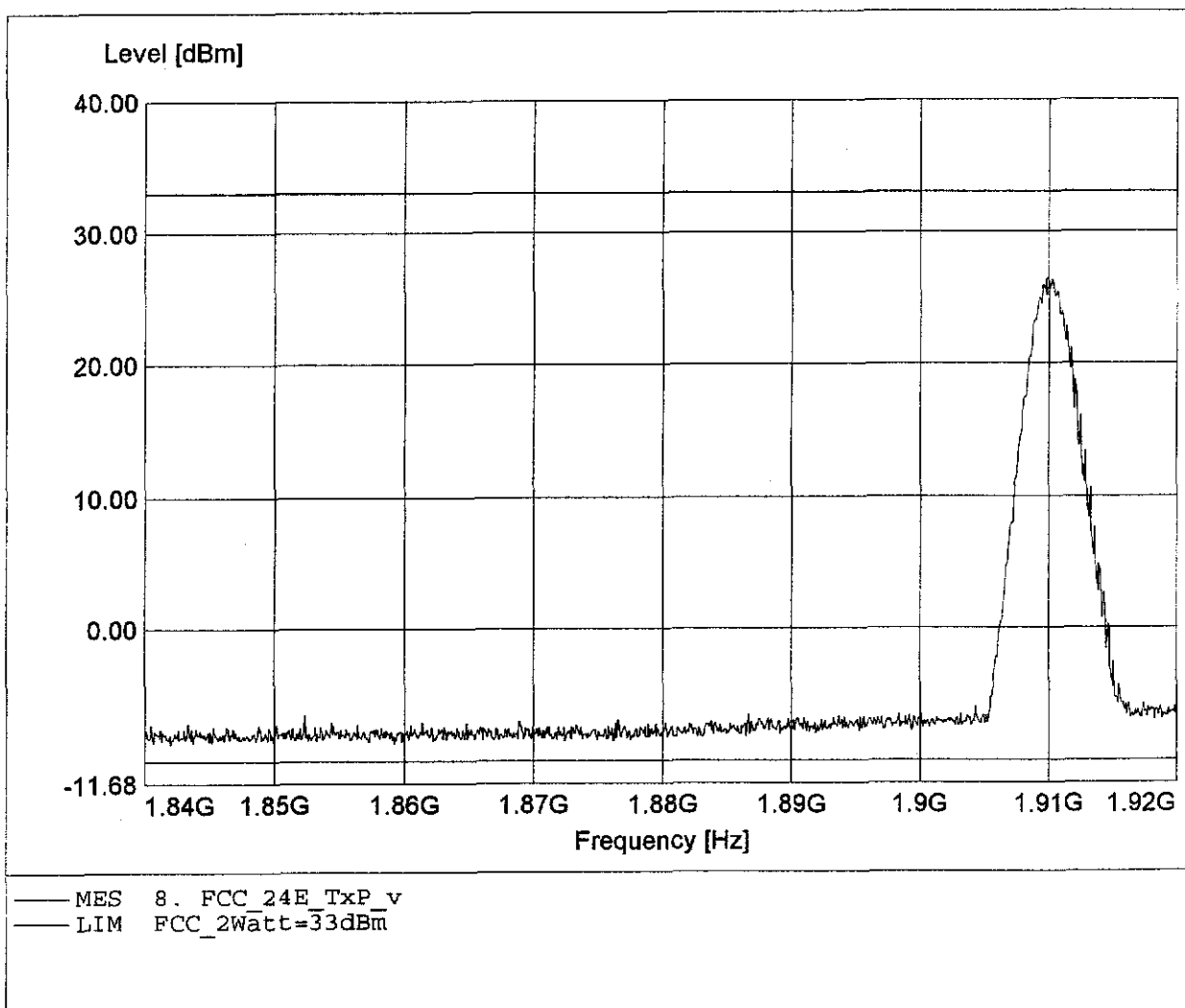
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.880GHz, Pmax: 15.03dBm, RBW: 3MHz



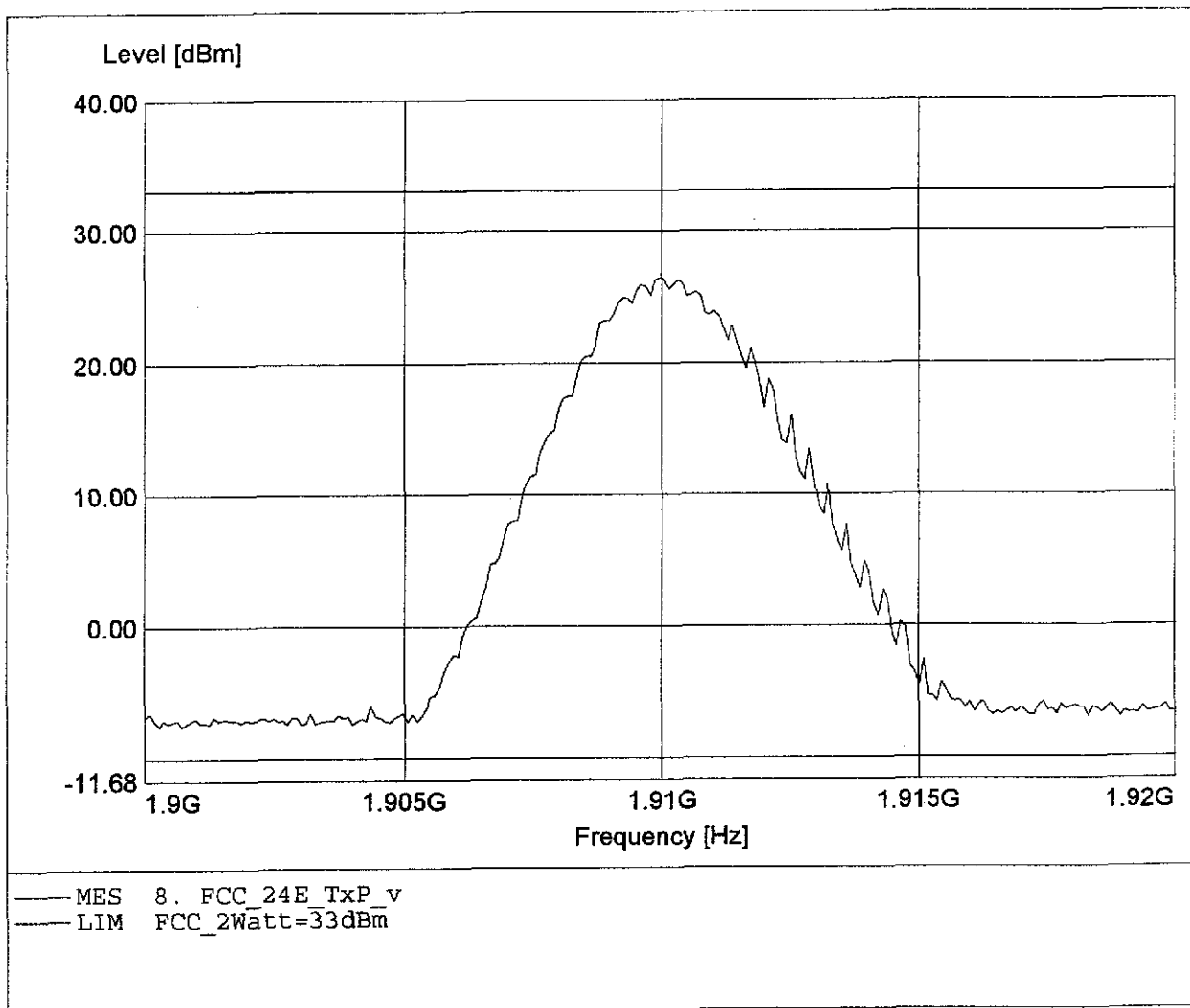
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.910GHz, Pmax: 26.41dBm, RBW: 3MHz



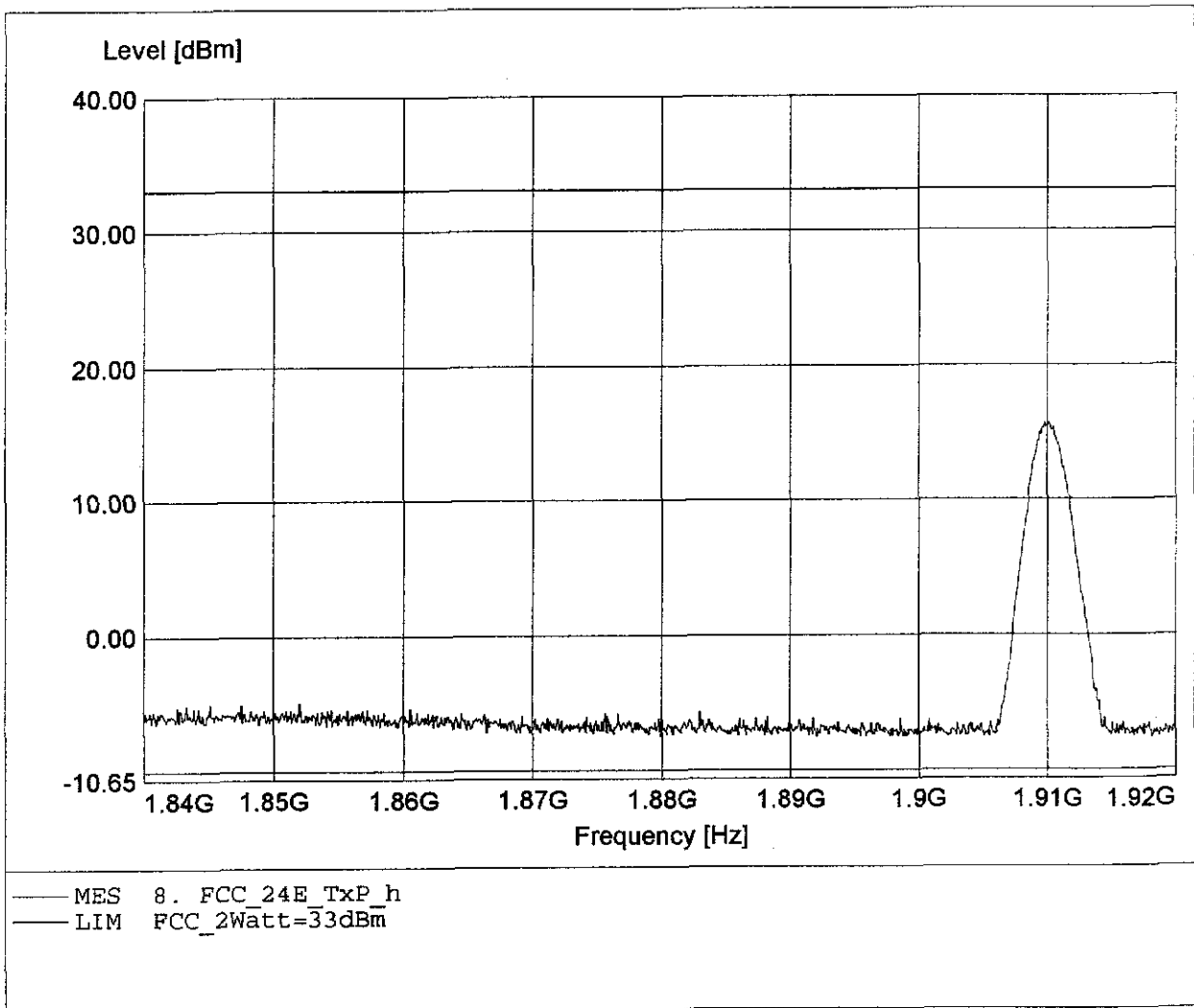
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810.  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.910GHz, Pmax: 26.41dBm, RBW: 3MHz



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

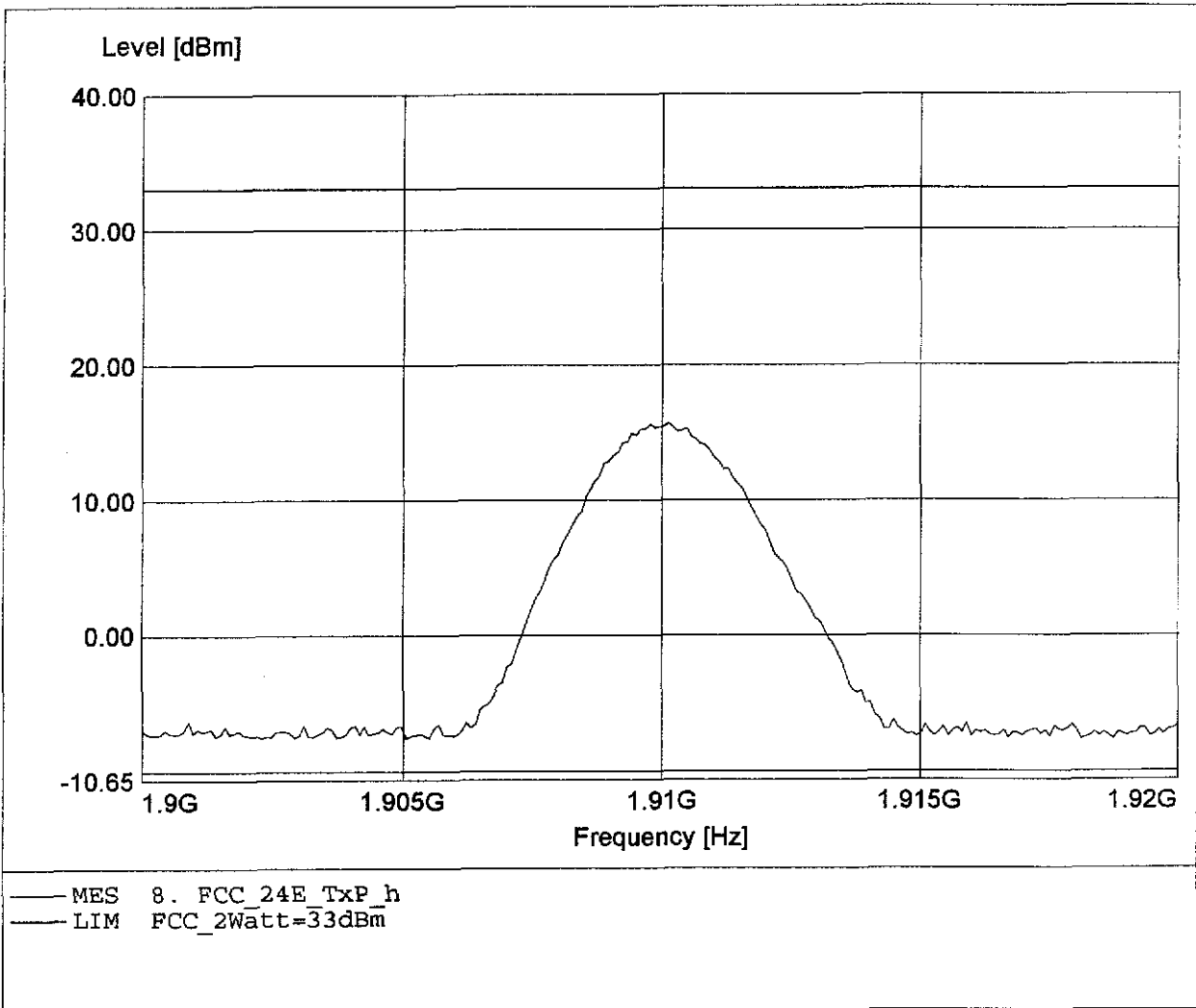
EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.910GHz, Pmax: 15.70dBm, RBW: 3MHz





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

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.910GHz, Pmax: 15.70dBm, RBW: 3MHz





## Appendix D

Occupied Bandwidth

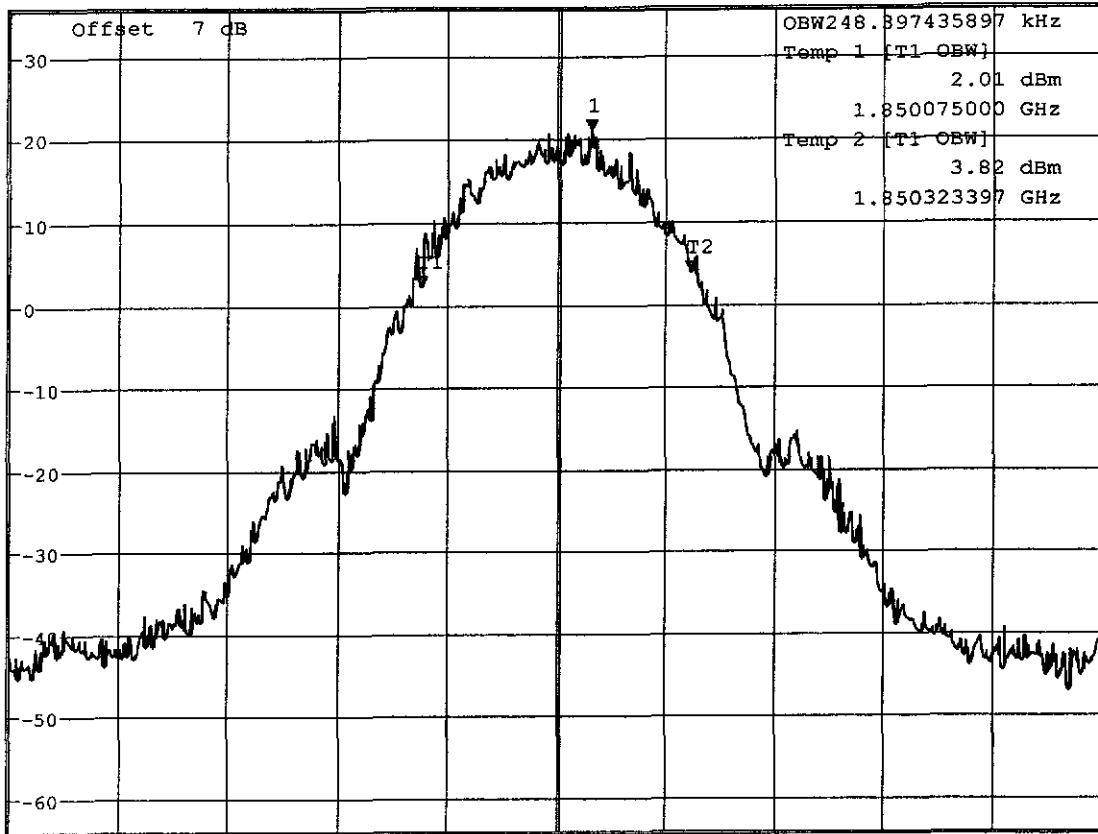


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      20.93 dBm  
\*SWT 250 ms      1.850232051 GHz

Ref 36 dBm

Att 55 dB

1 PK  
VIEW



Center 1.8502 GHz

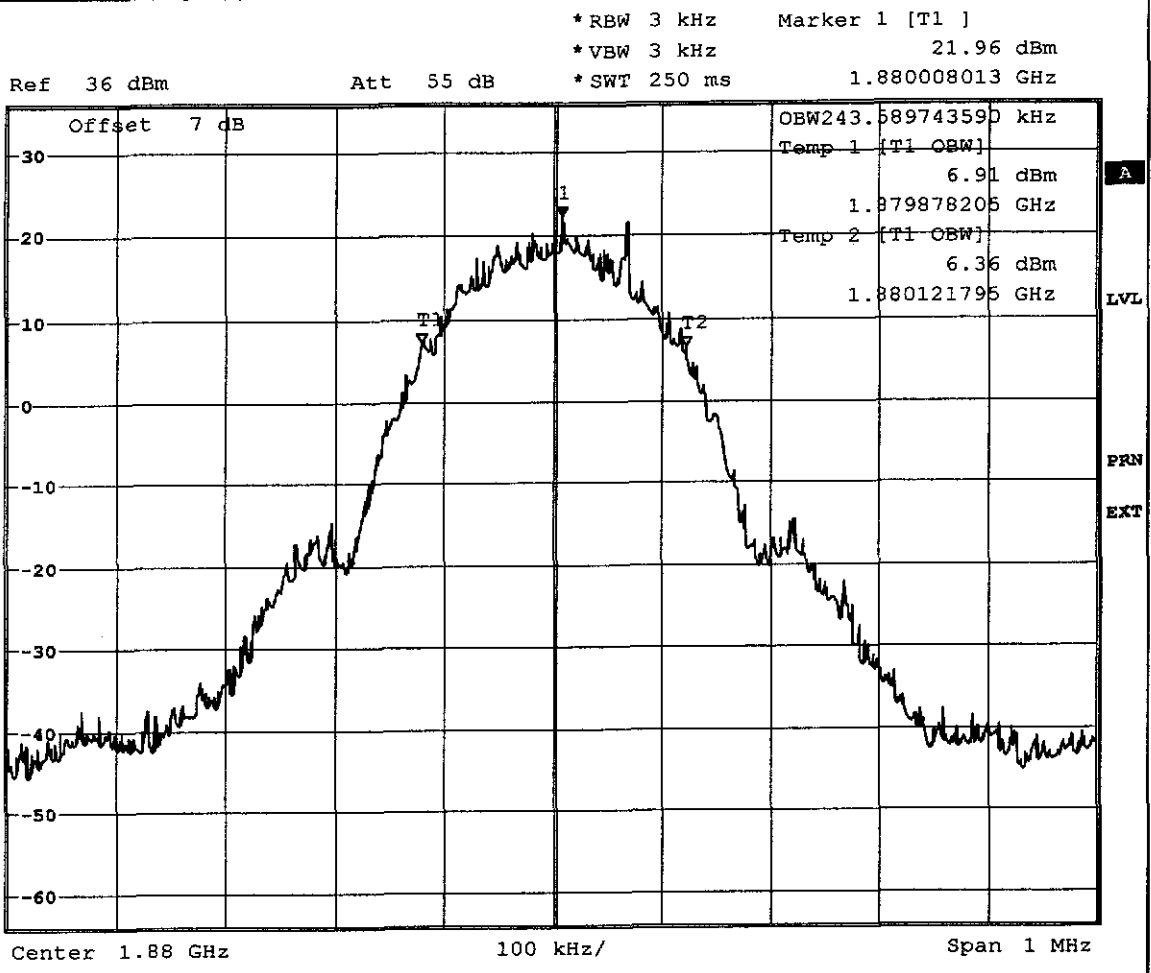
100 kHz/

Span 1 MHz

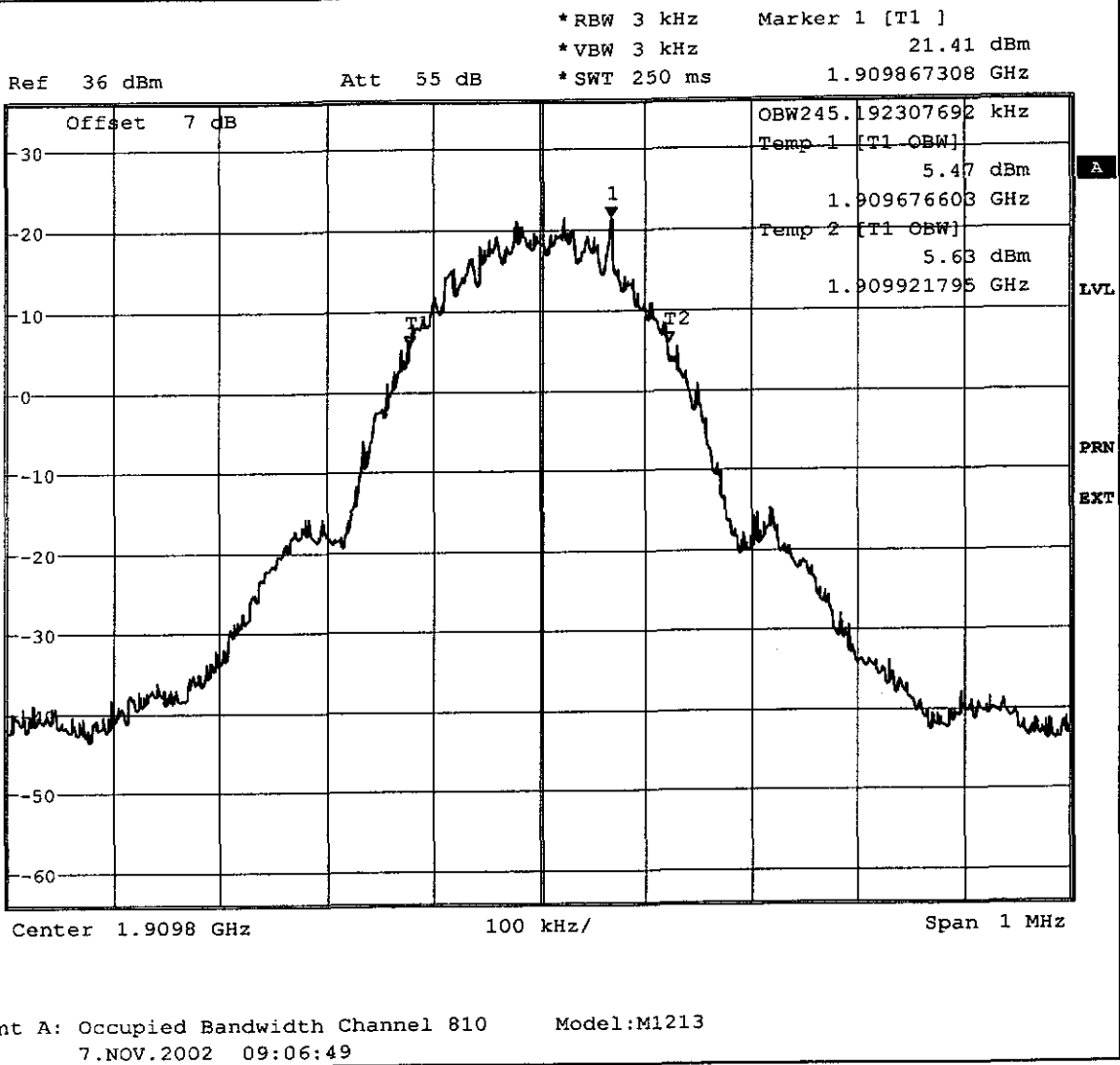
Comment A: Occupied Bandwidth Channel 512

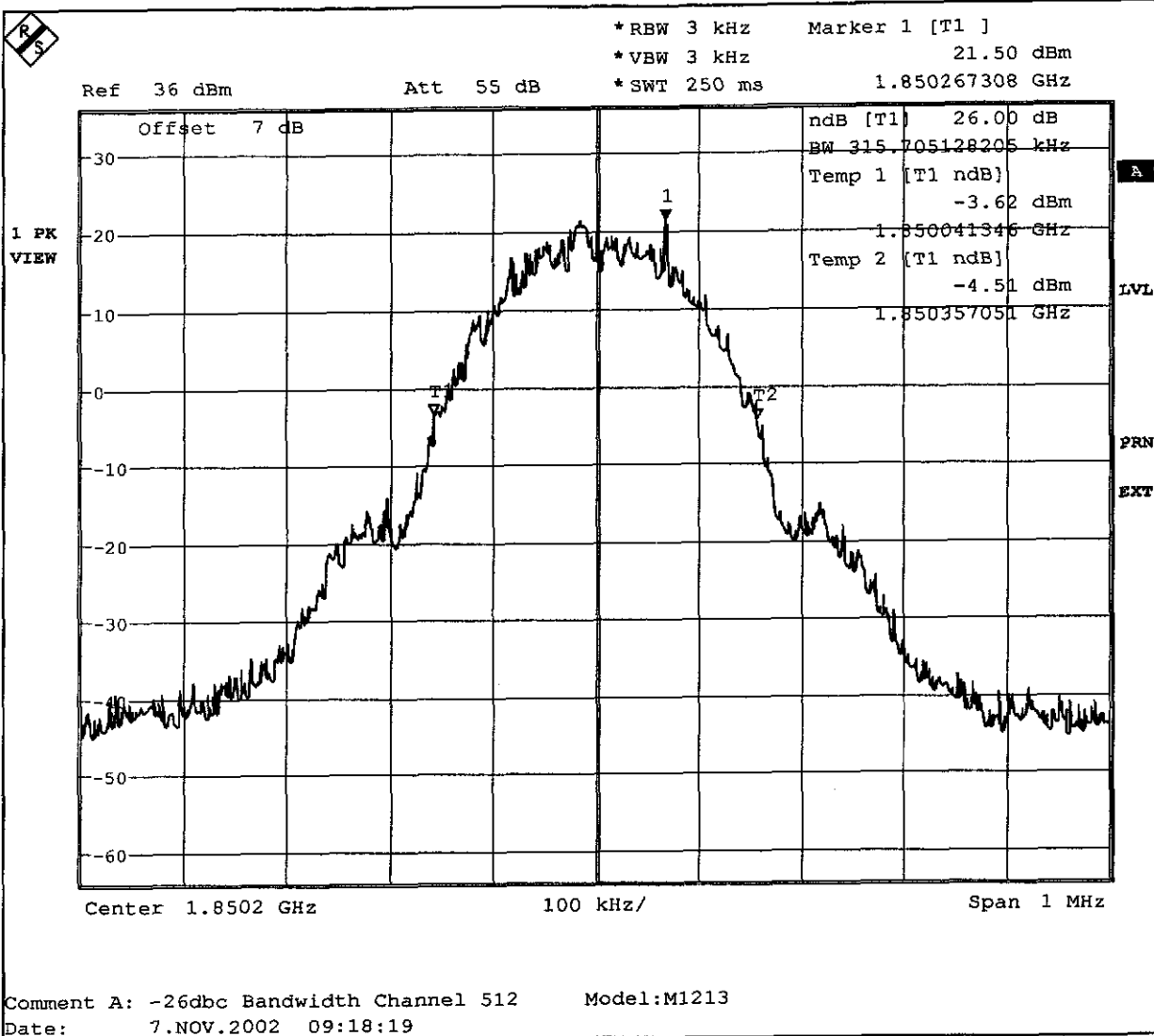
Model:M1213

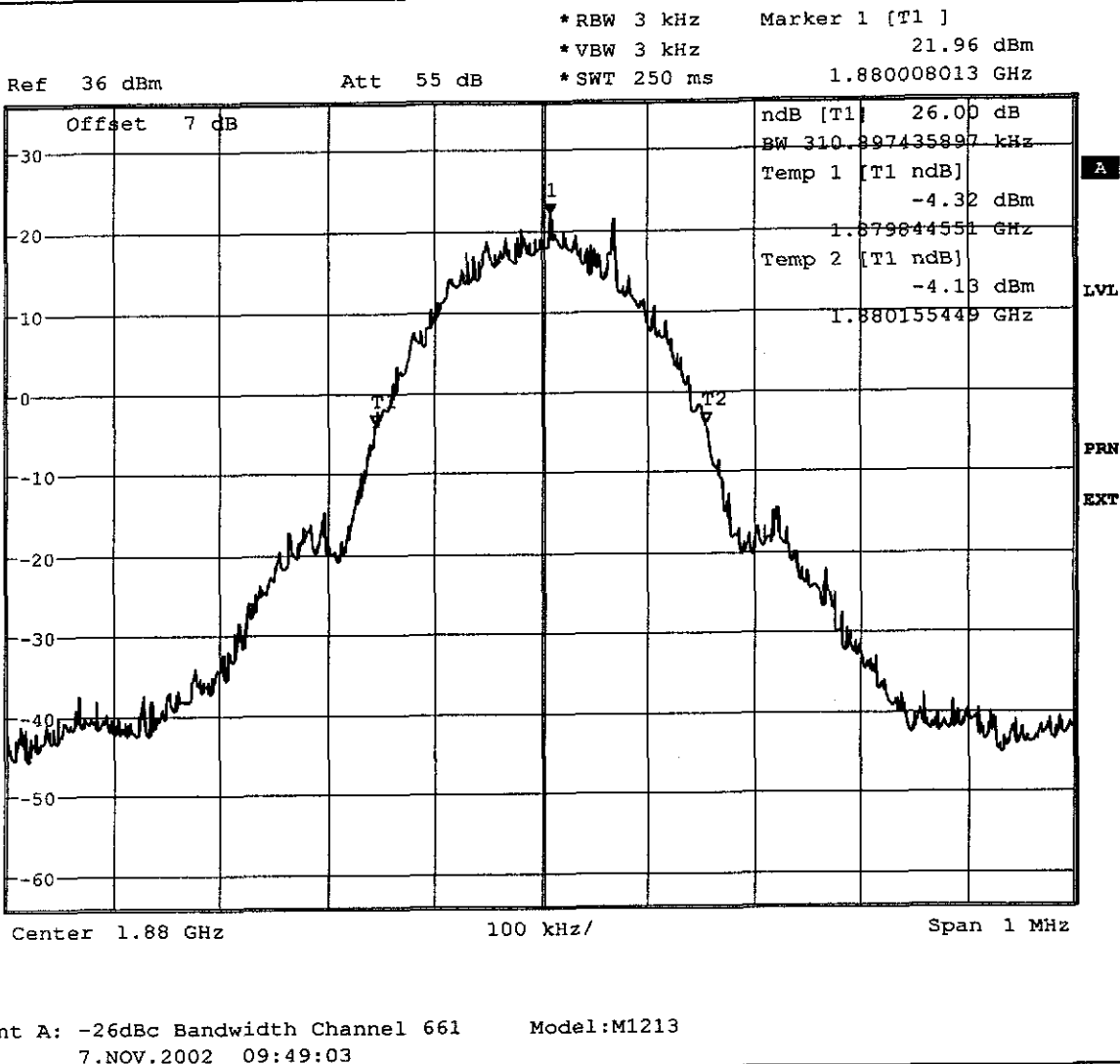
Date: 7.NOV.2002 09:37:17



Comment A: Occupied Bandwidth Channel 661      Model:M1213  
Date: 7.NOV.2002 09:46:24

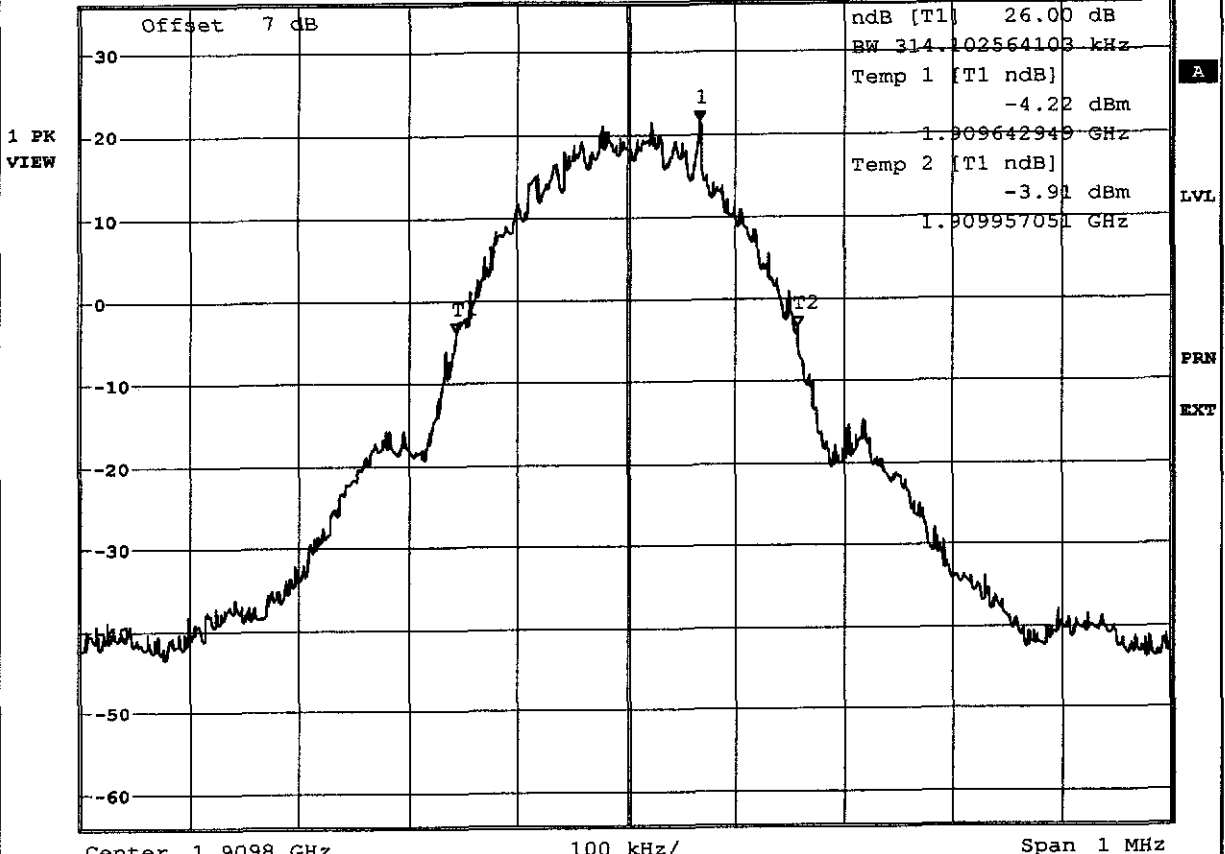








Ref 36 dBm Att 55 dB \*RBW 3 kHz Marker 1 [T1] 21.41 dBm  
\*VBW 3 kHz 1.909867308 GHz  
\*SWT 250 ms



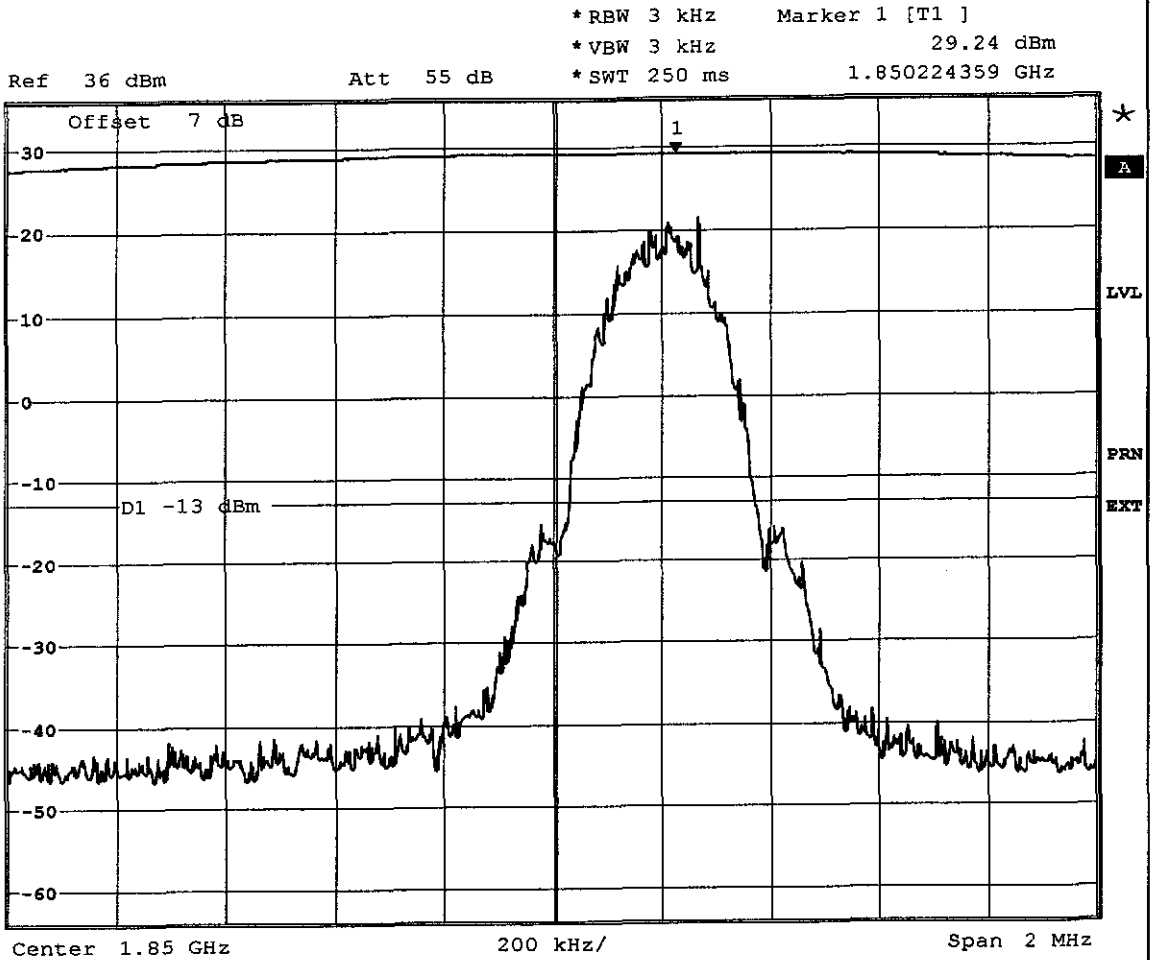
Comment A: -26dbc Bandwidth Channel 810 Model:M1213  
Date: 7.NOV.2002 09:09:46





## Appendix E

Field Strength of Spurious Radiation



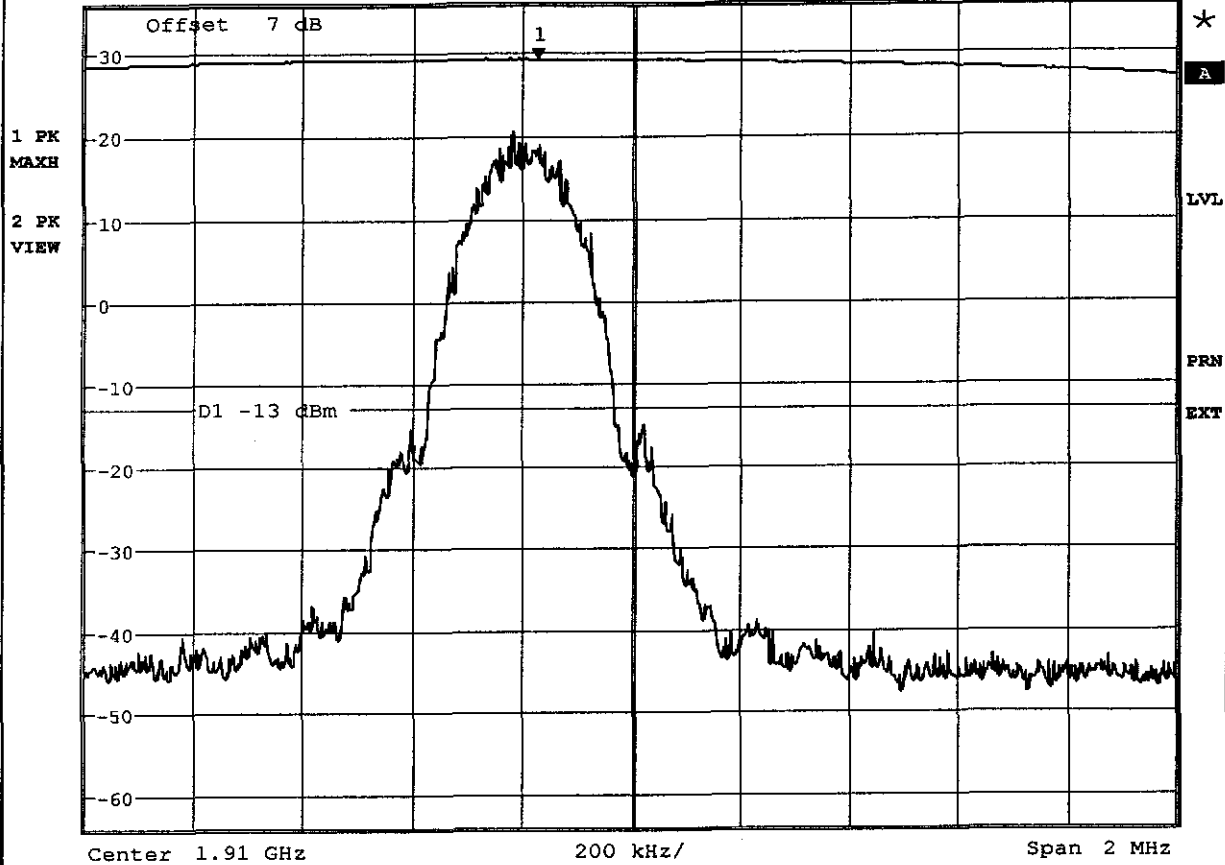
Comment A: Lower Band Edge      Model:M1213  
Date: 7.NOV.2002 10:11:28



\*RBW 3 MHz    Marker 1 [T1 ]  
\*VBW 3 MHz    29.26 dBm  
\*SWT 250 ms    1.909826923 GHz

Ref 36 dBm

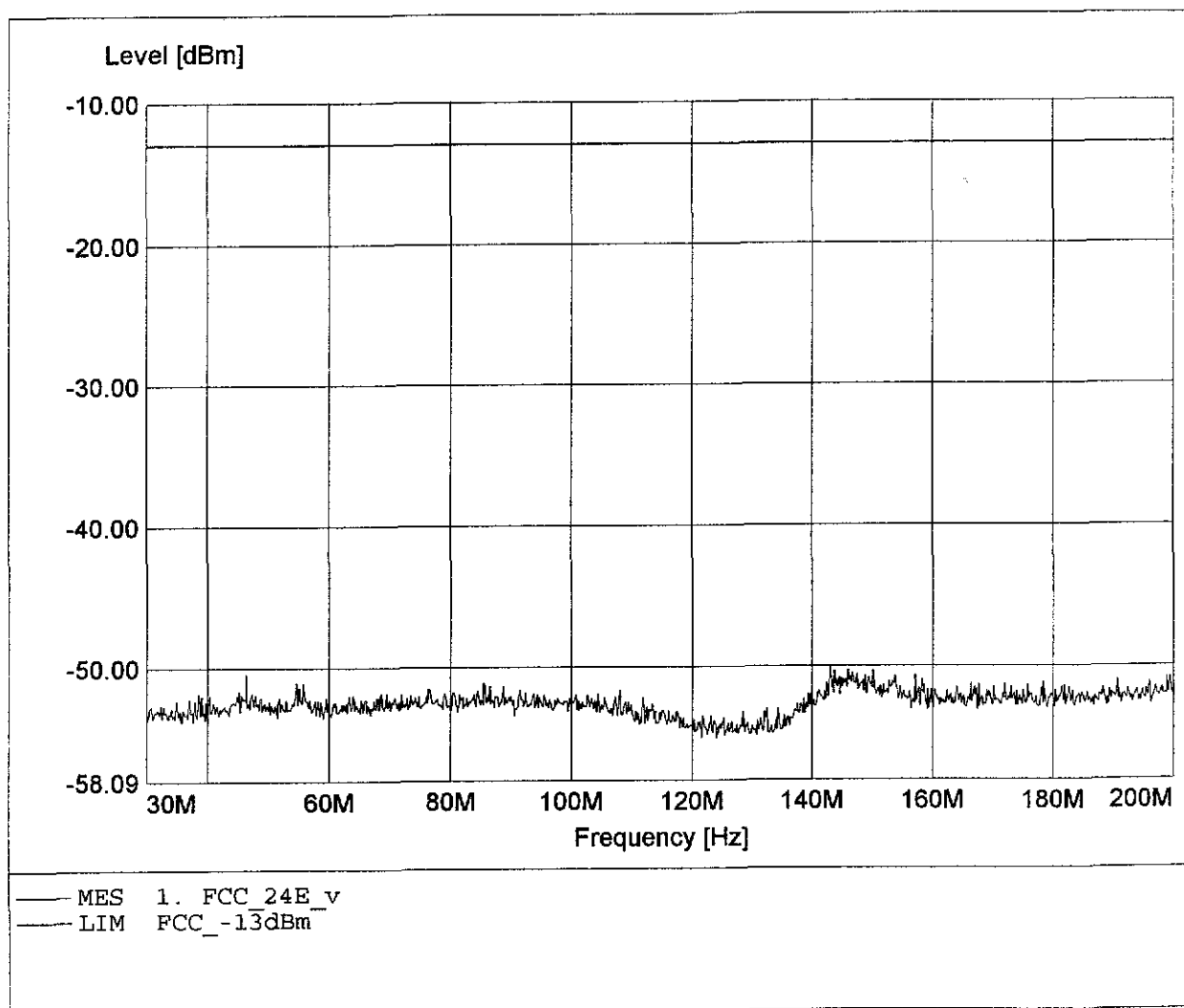
Att 55 dB



Comment A: Higher Band Edge    Model:M1213  
Date: 7.NOV.2002 10:07:57

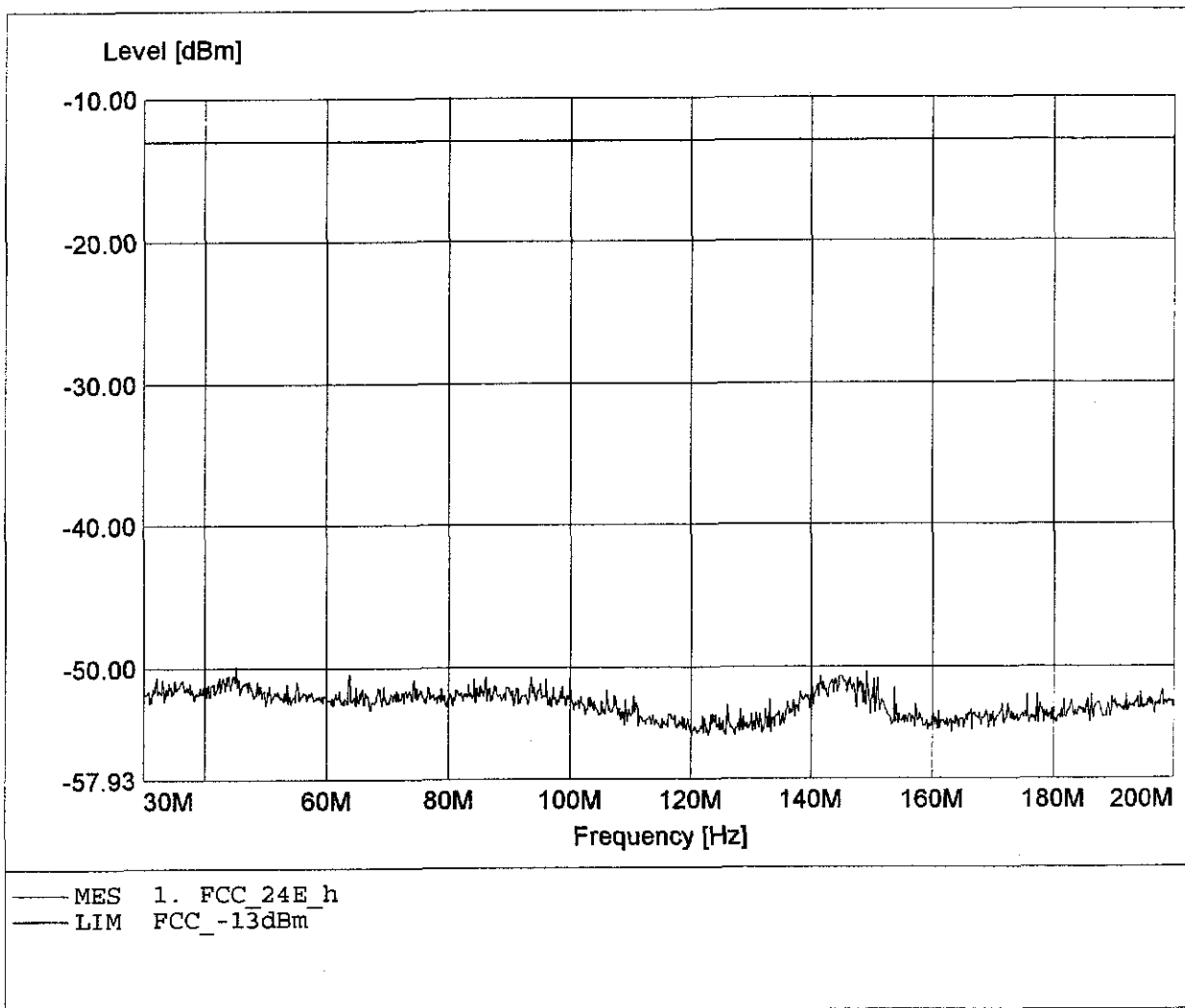
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 142.956MHz, Pmax: -49.94dBm, RBW: 1MHz



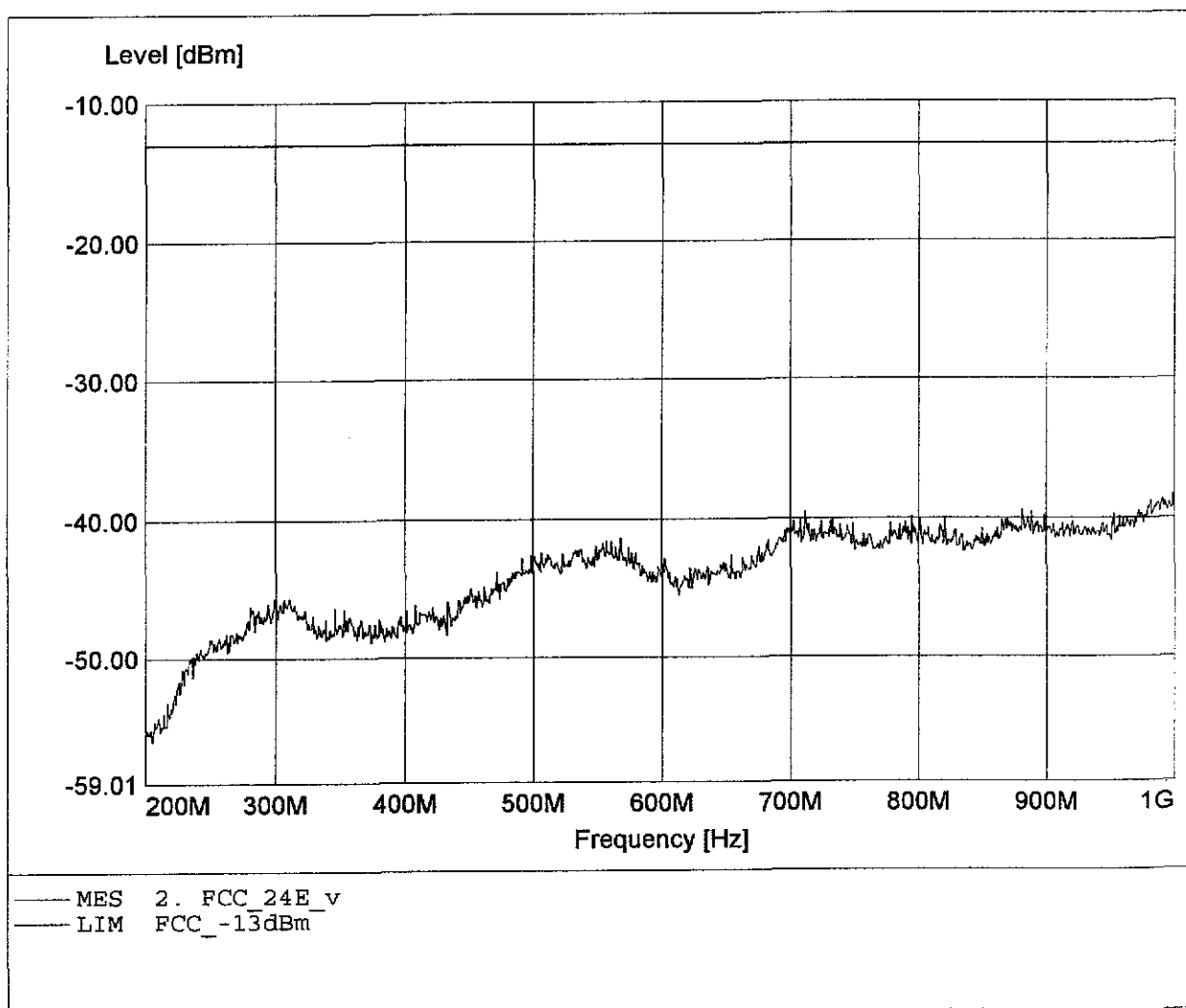
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 45.300MHz, Pmax: -49.96dBm, RBW: 1MHz



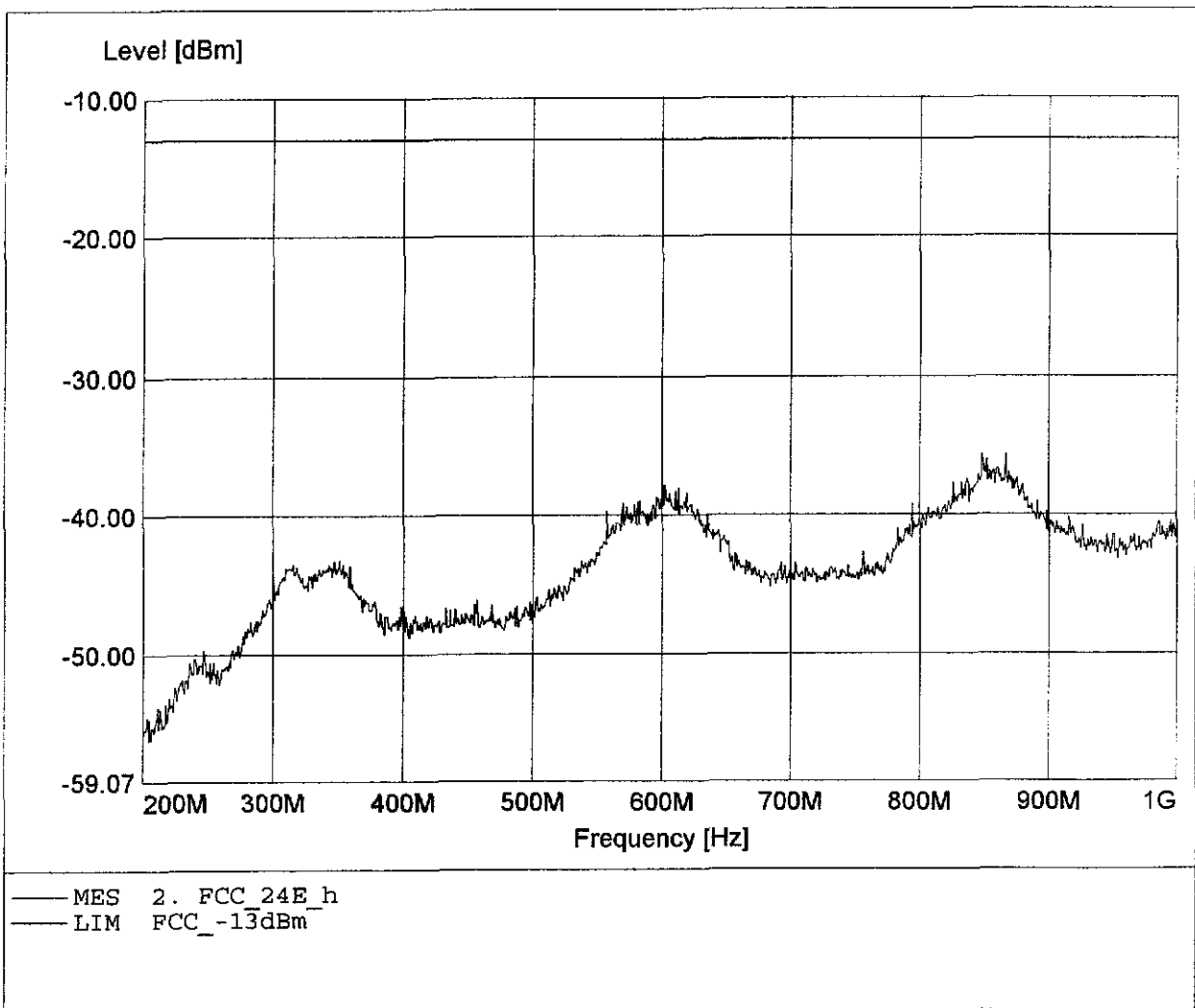
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 999.111MHz, Pmax: -38.31dBm, RBW: 1MHz



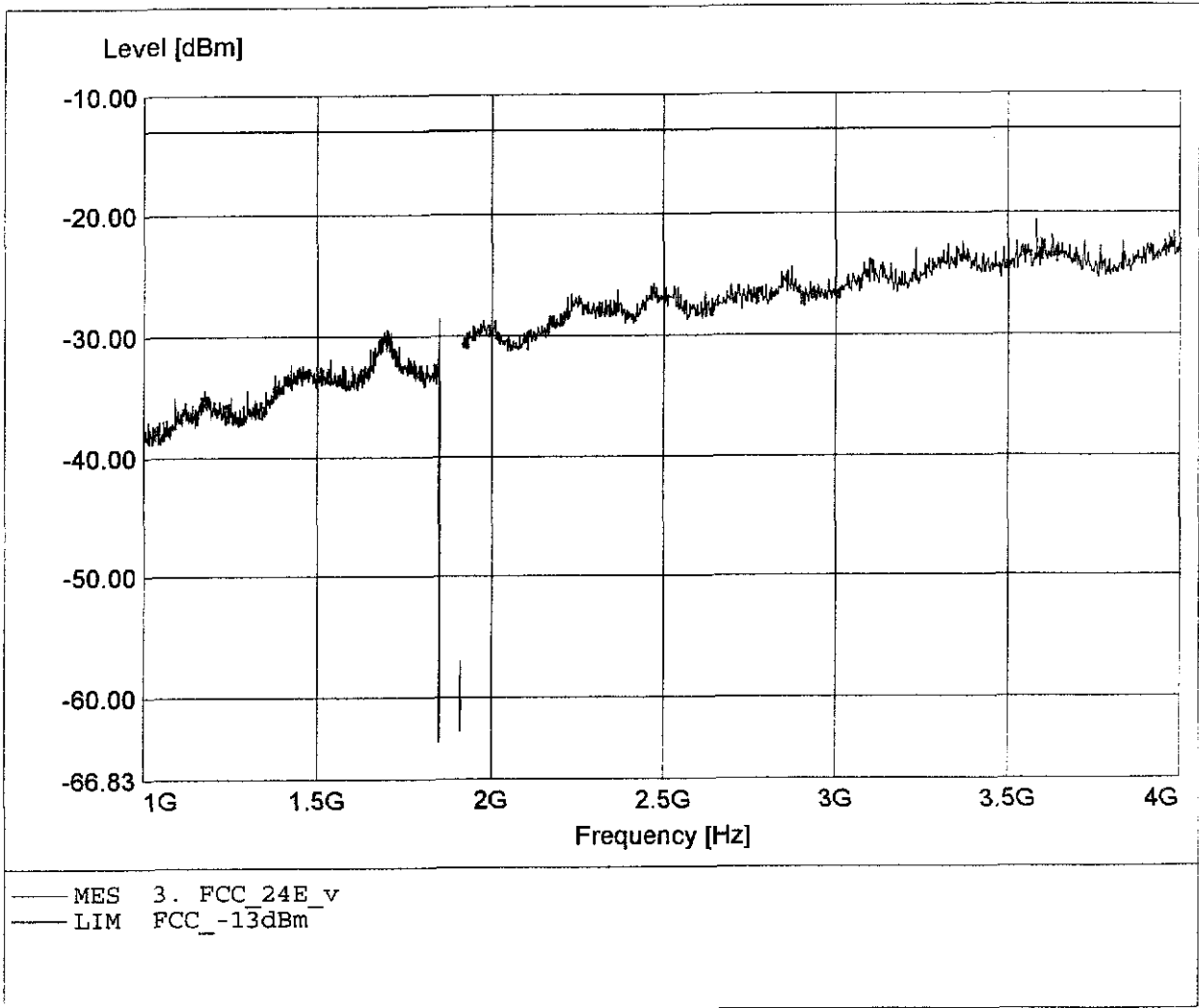
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 866.667MHz, Pmax: -35.60dBm, RBW: 1MHz



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

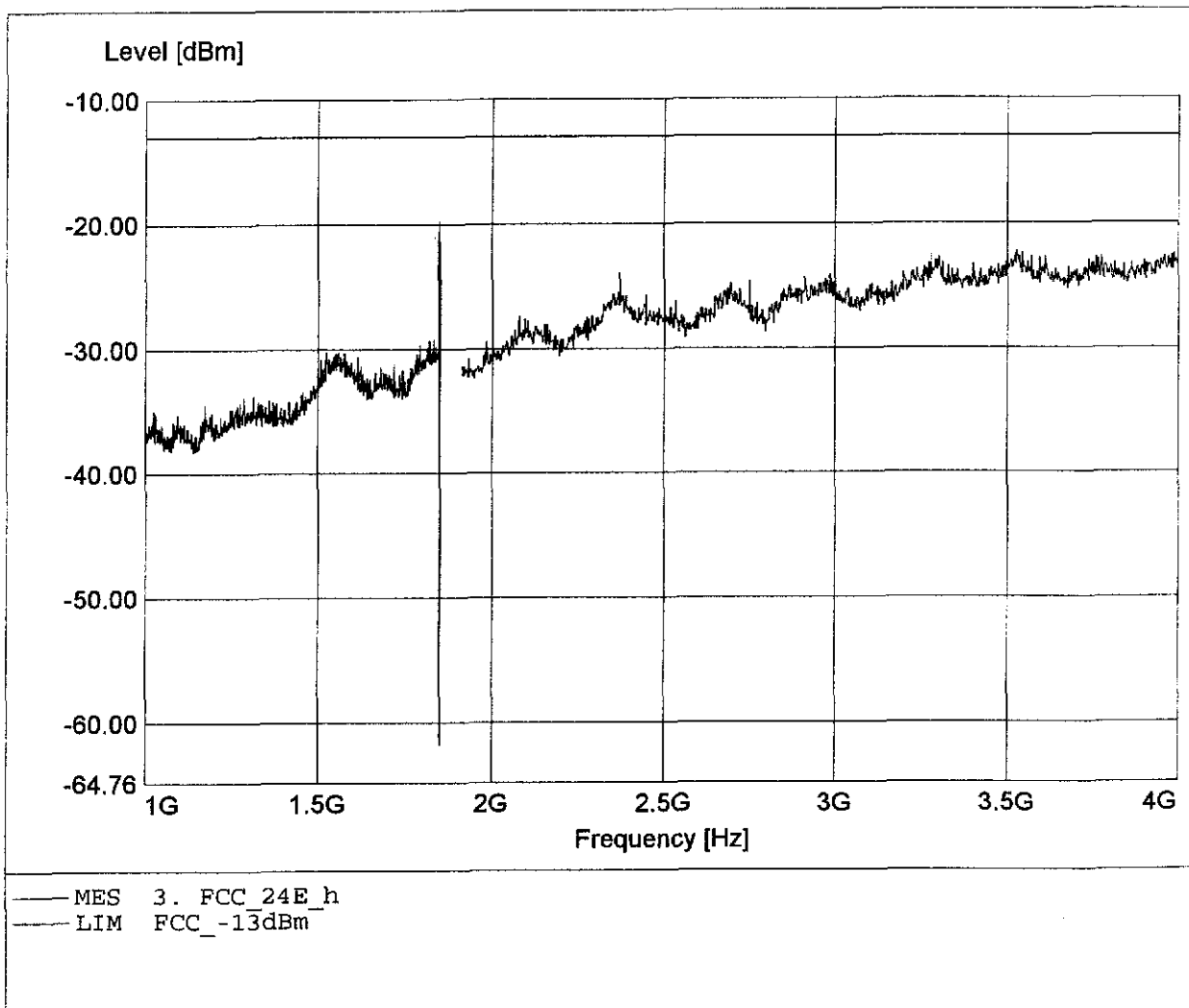
EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr.F.Schulz  
Temperature/ Voltage: 22°C / Unom : 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.583GHz, Pmax: -20.61dBm, RBW: 1MHz/20kHz





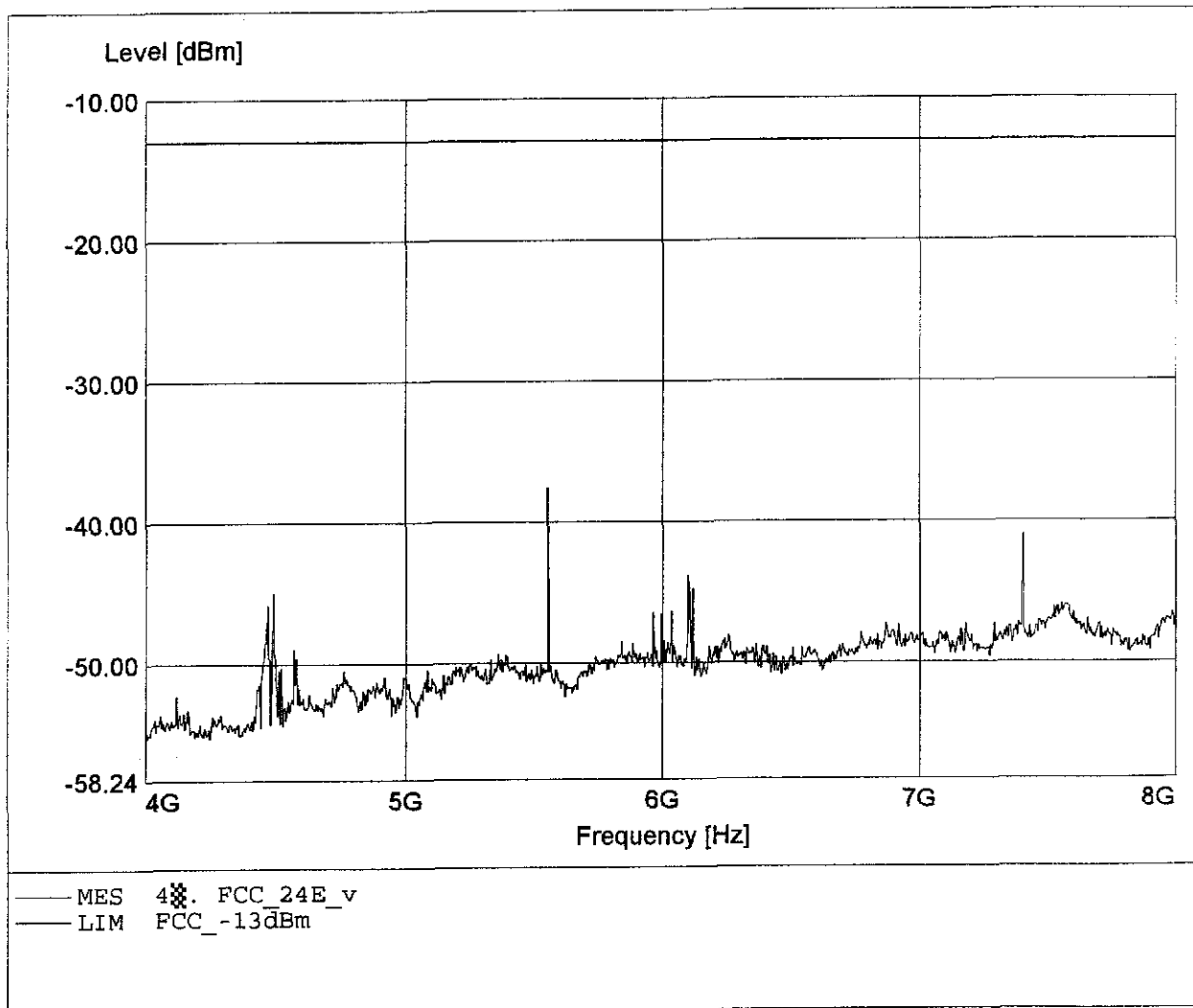
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr.F.Schulz  
Temperature/ Voltage: 22°C / Unom : 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 1.848GHz, Pmax: -19.74dBm, RBW: 1MHz/20kHz



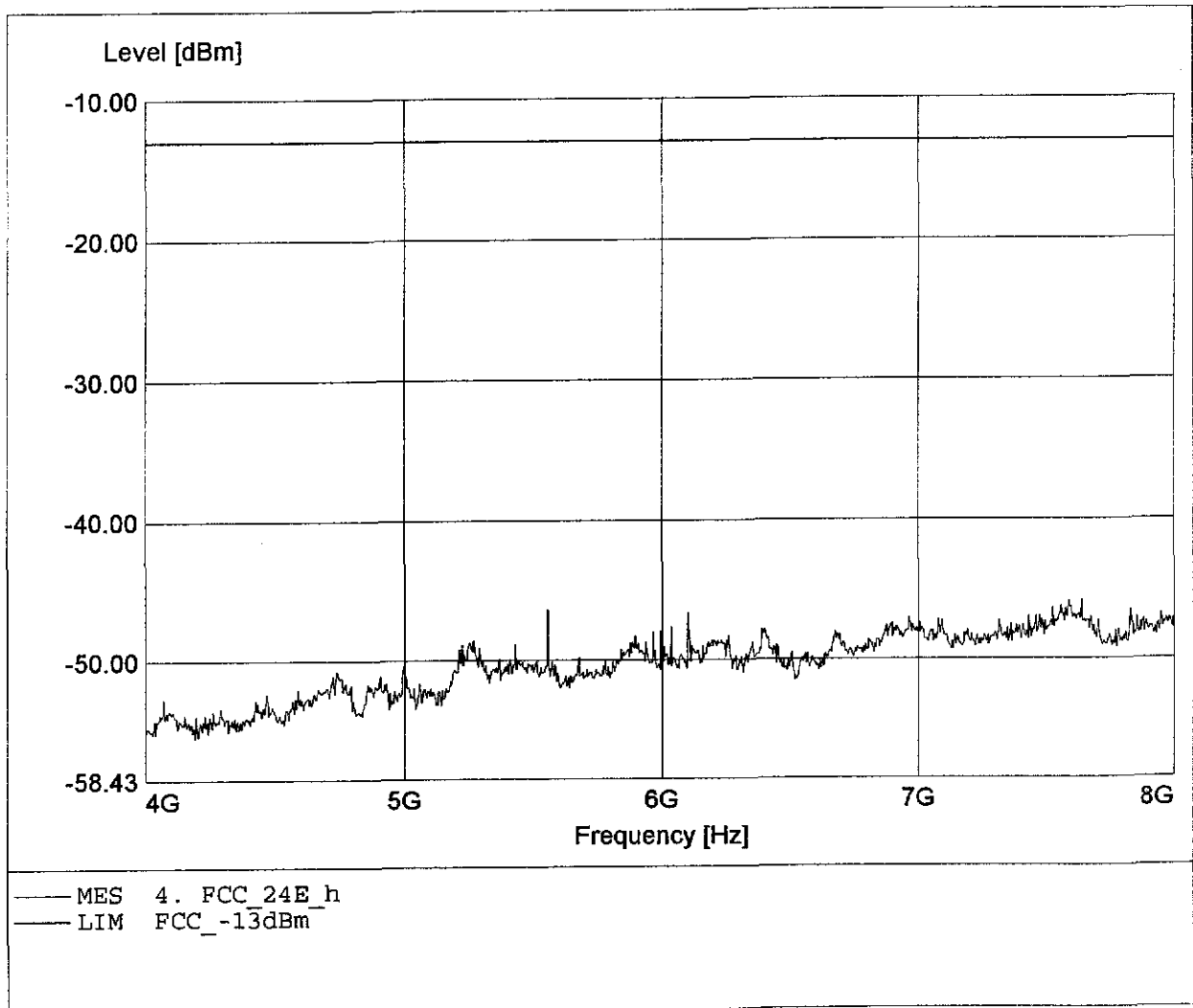
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.556GHz, Pmax: -37.54dBm, RBW: 1MHz



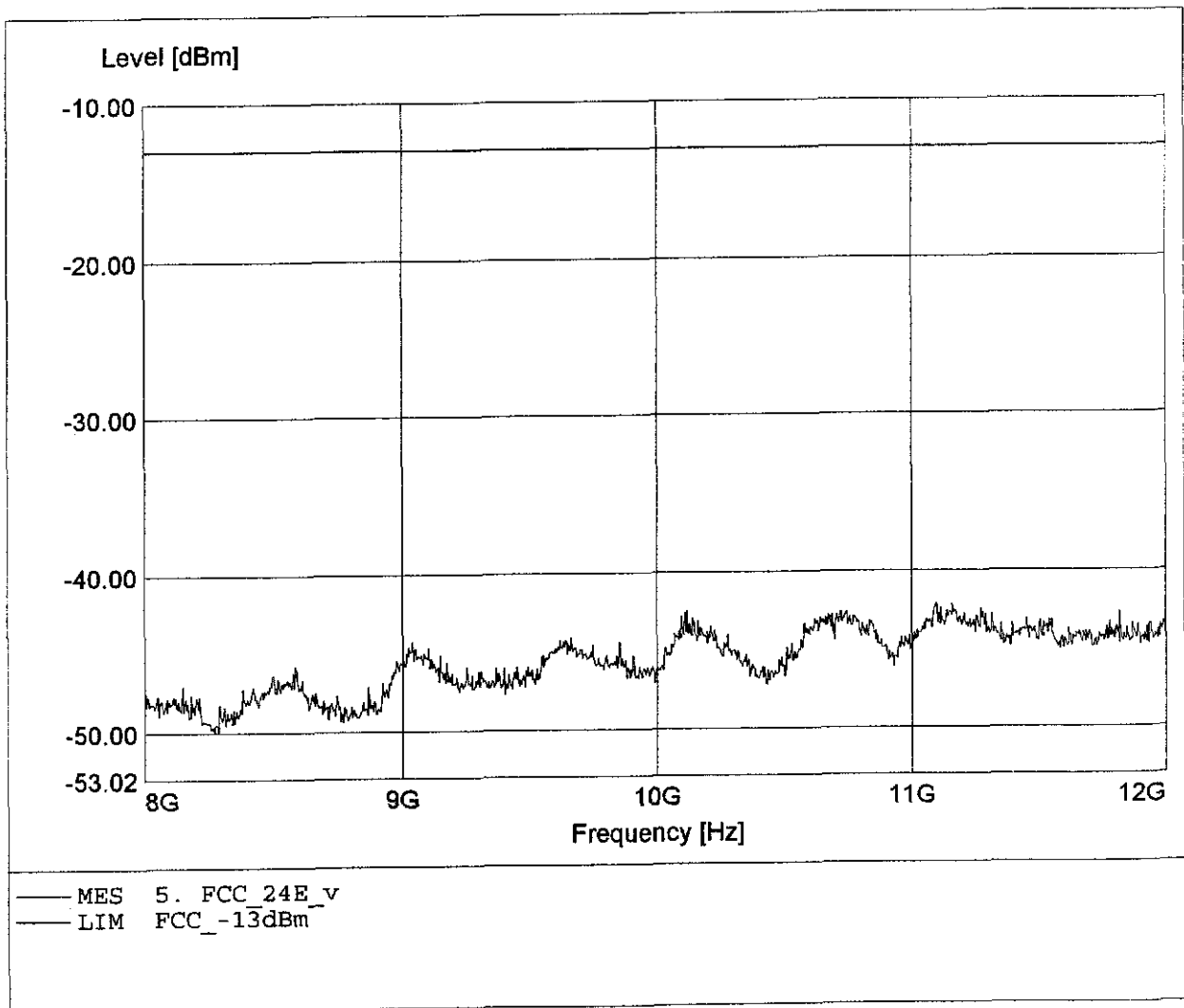
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.636GHz, Pmax: -45.80dBm, RBW: 1MHz



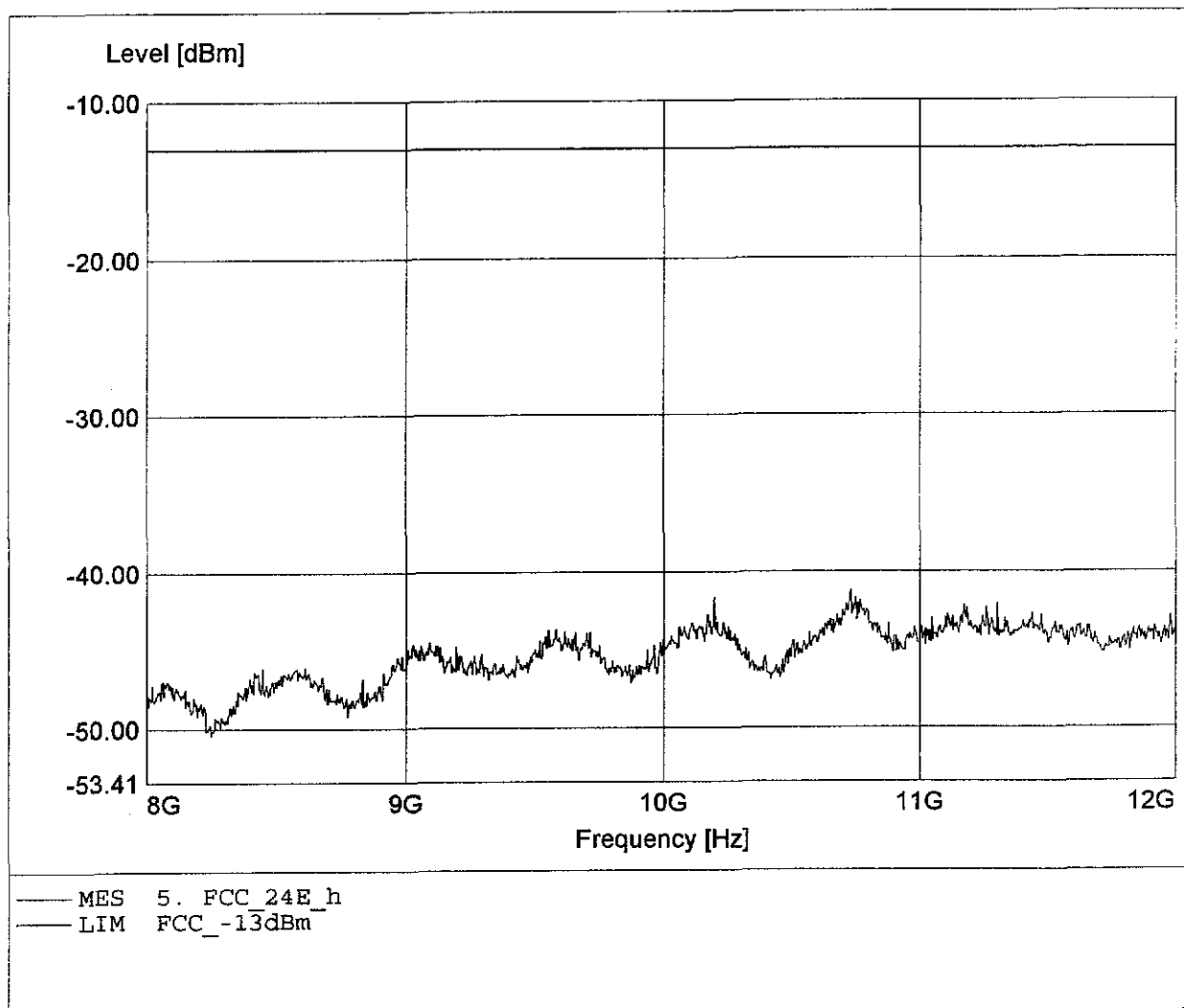
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.098GHz, Pmax: -42.13dBm, RBW: 1MHz



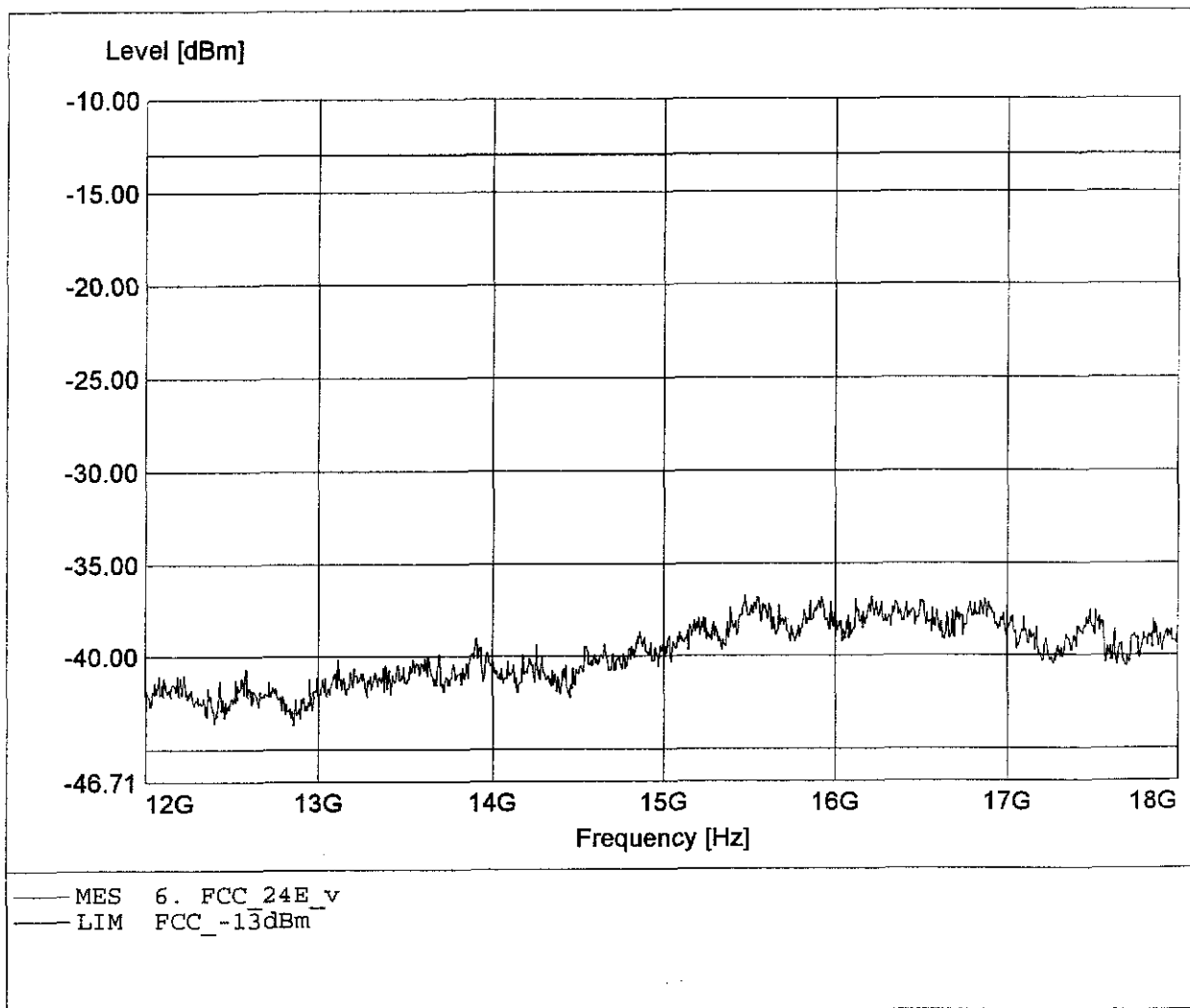
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.733GHz, Pmax: -41.21dBm, RBW: 1MHz



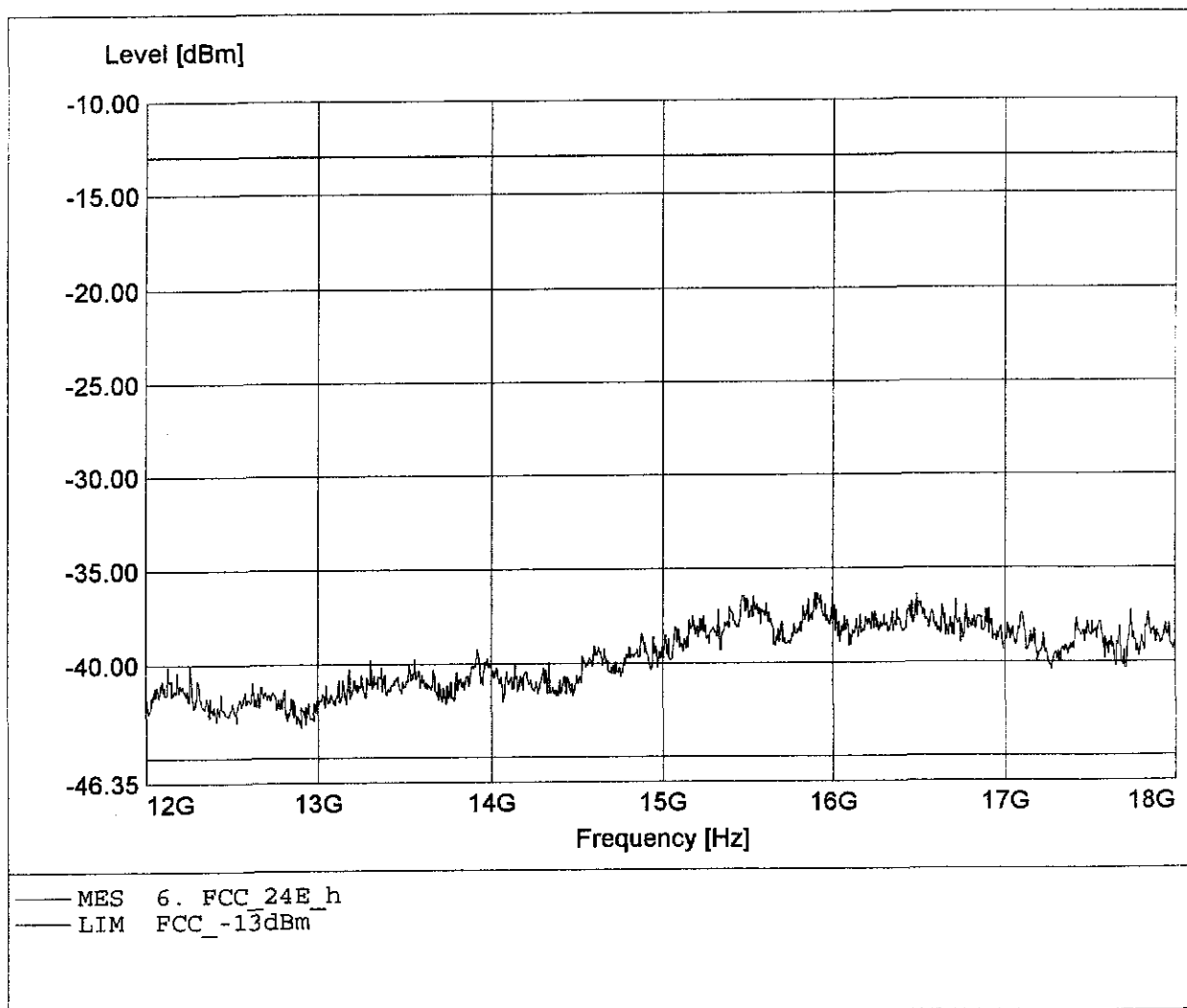
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.473GHz, Pmax: -36.77dBm, RBW: 1MHz



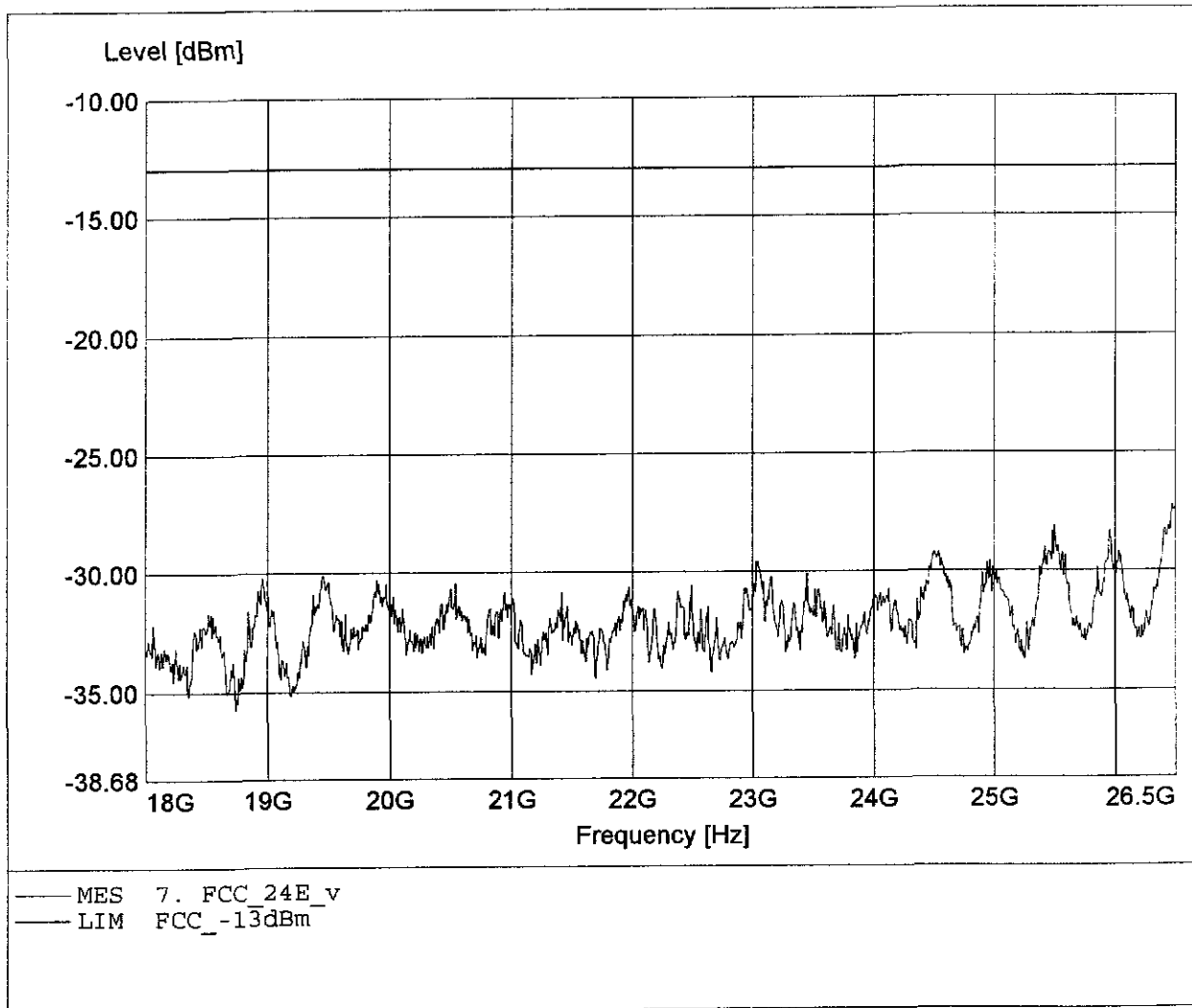
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.907GHz, Pmax: -36.31dBm, RBW: 1MHz



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

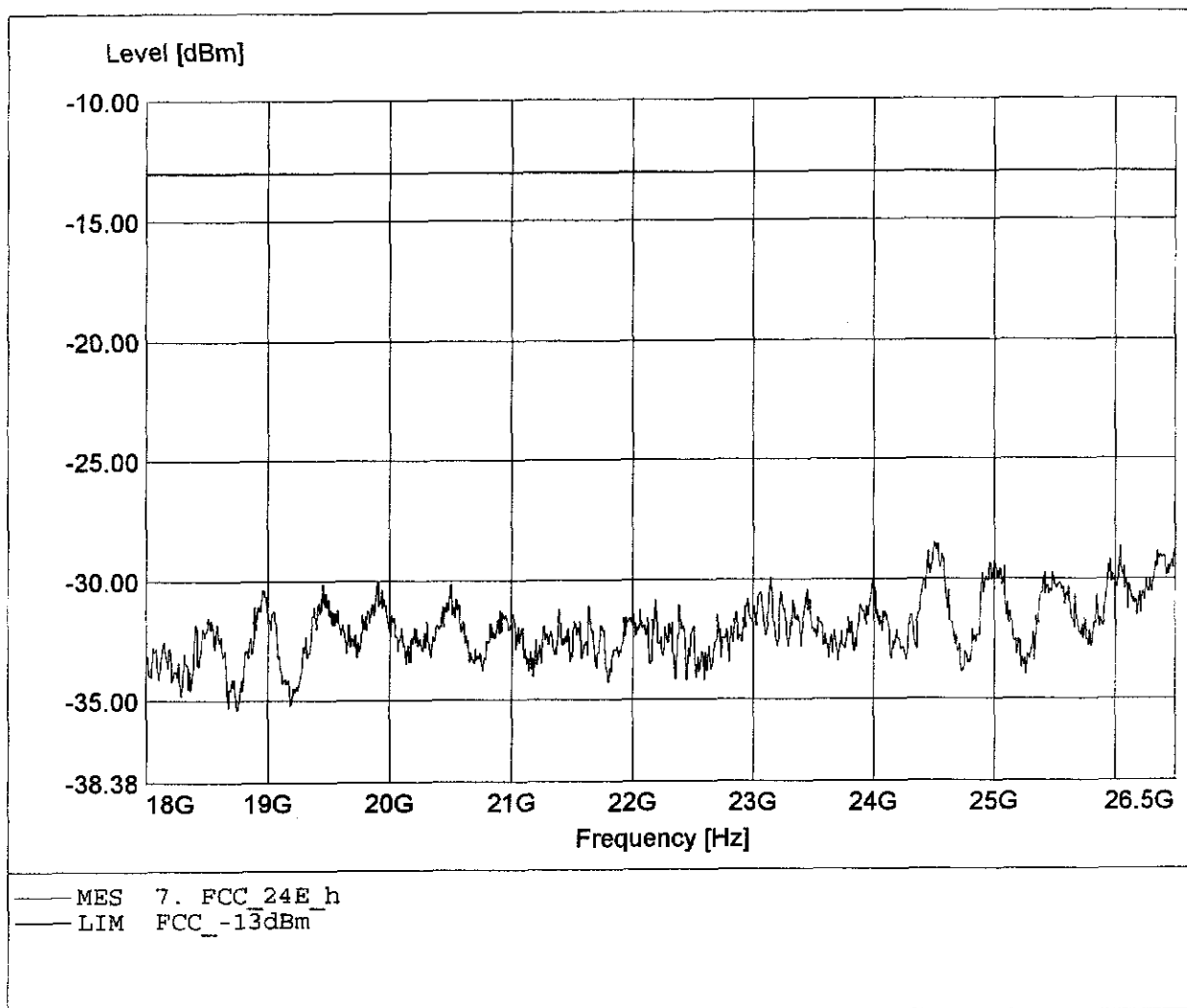
EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.472GHz, Pmax: -27.24dBm, RBW: 1MHz





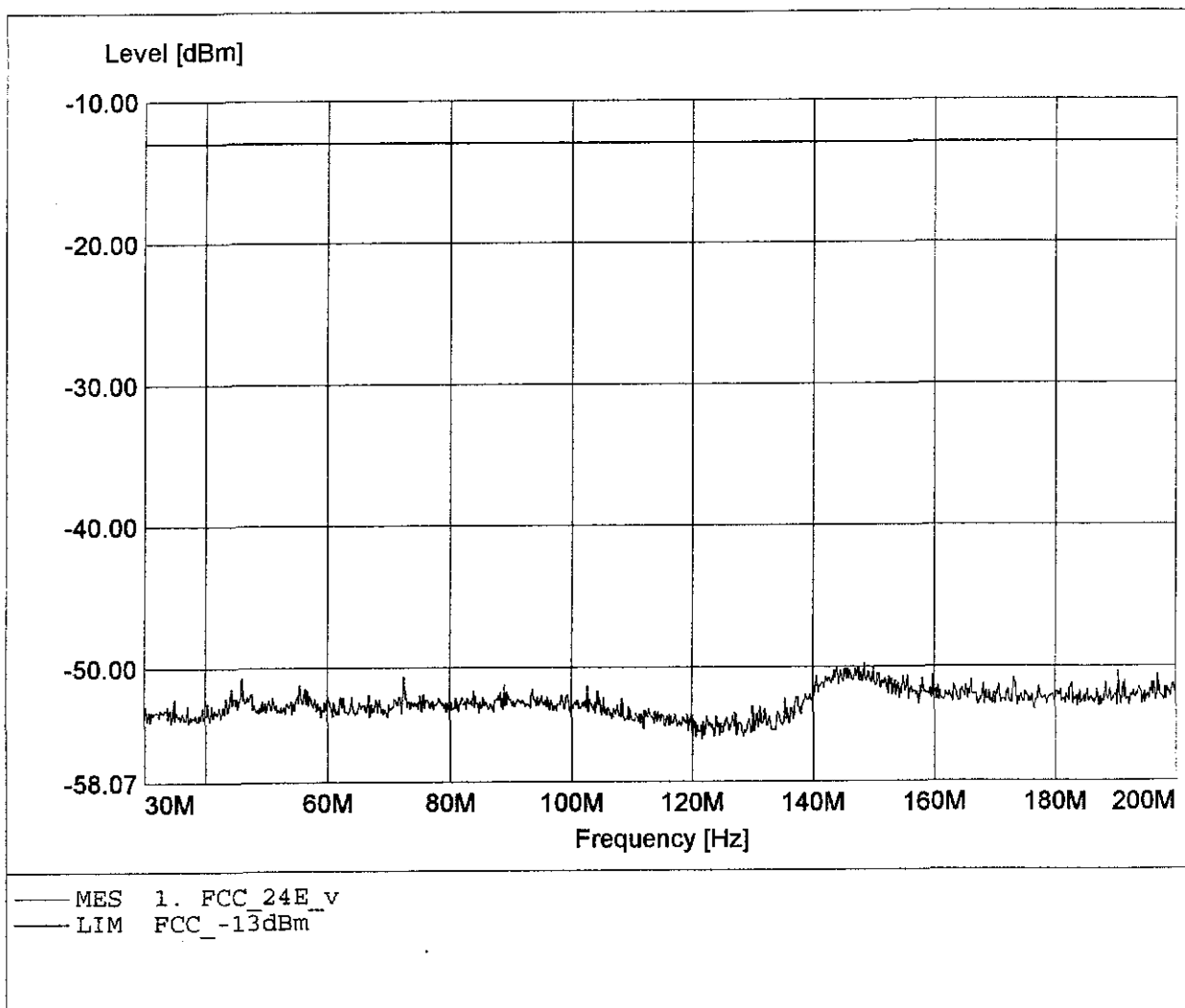
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.507GHz, Pmax: -28.51dBm, RBW: 1MHz



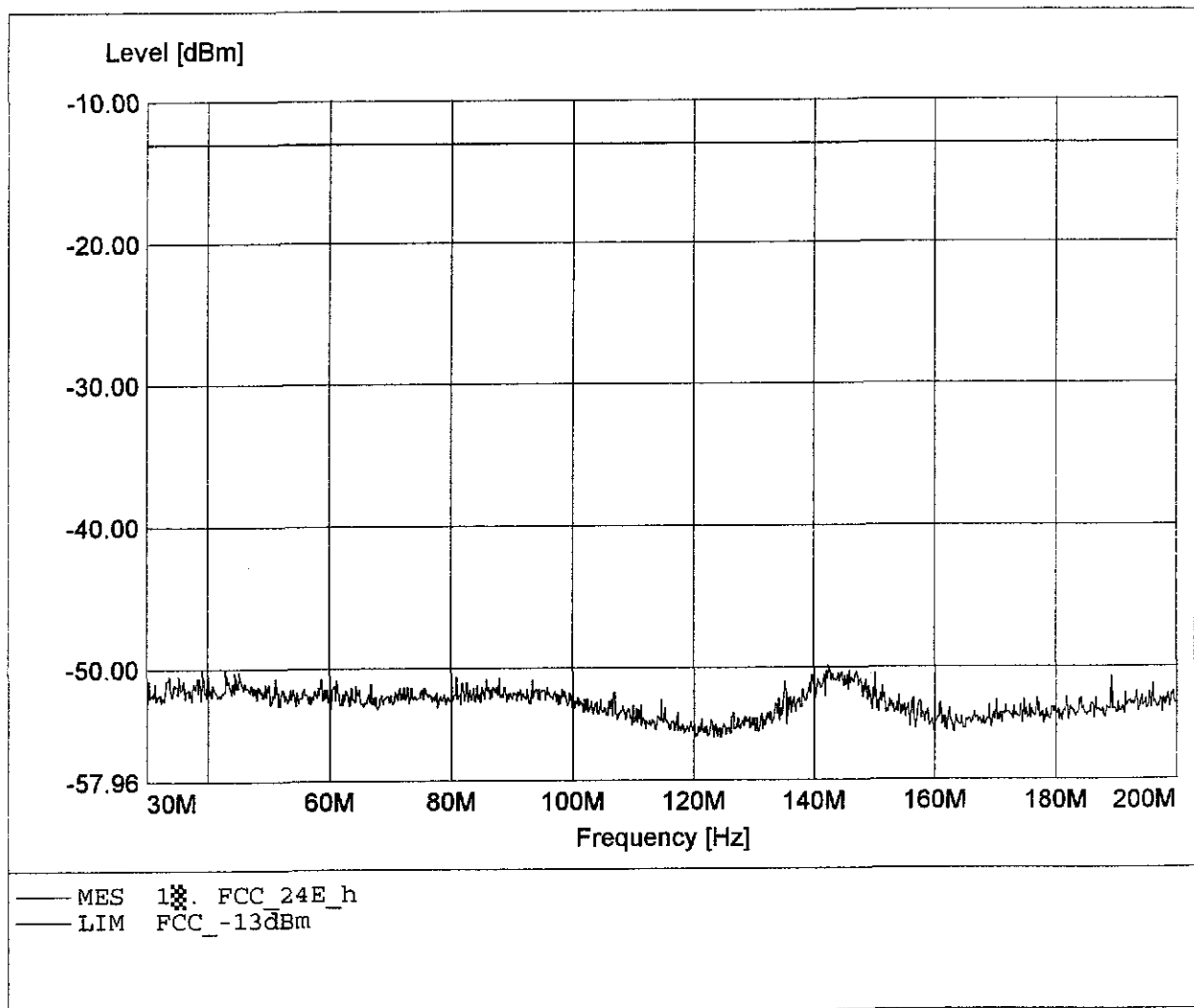
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 148.433MHz, Pmax: -49.73dBm, RBW: 1MHz



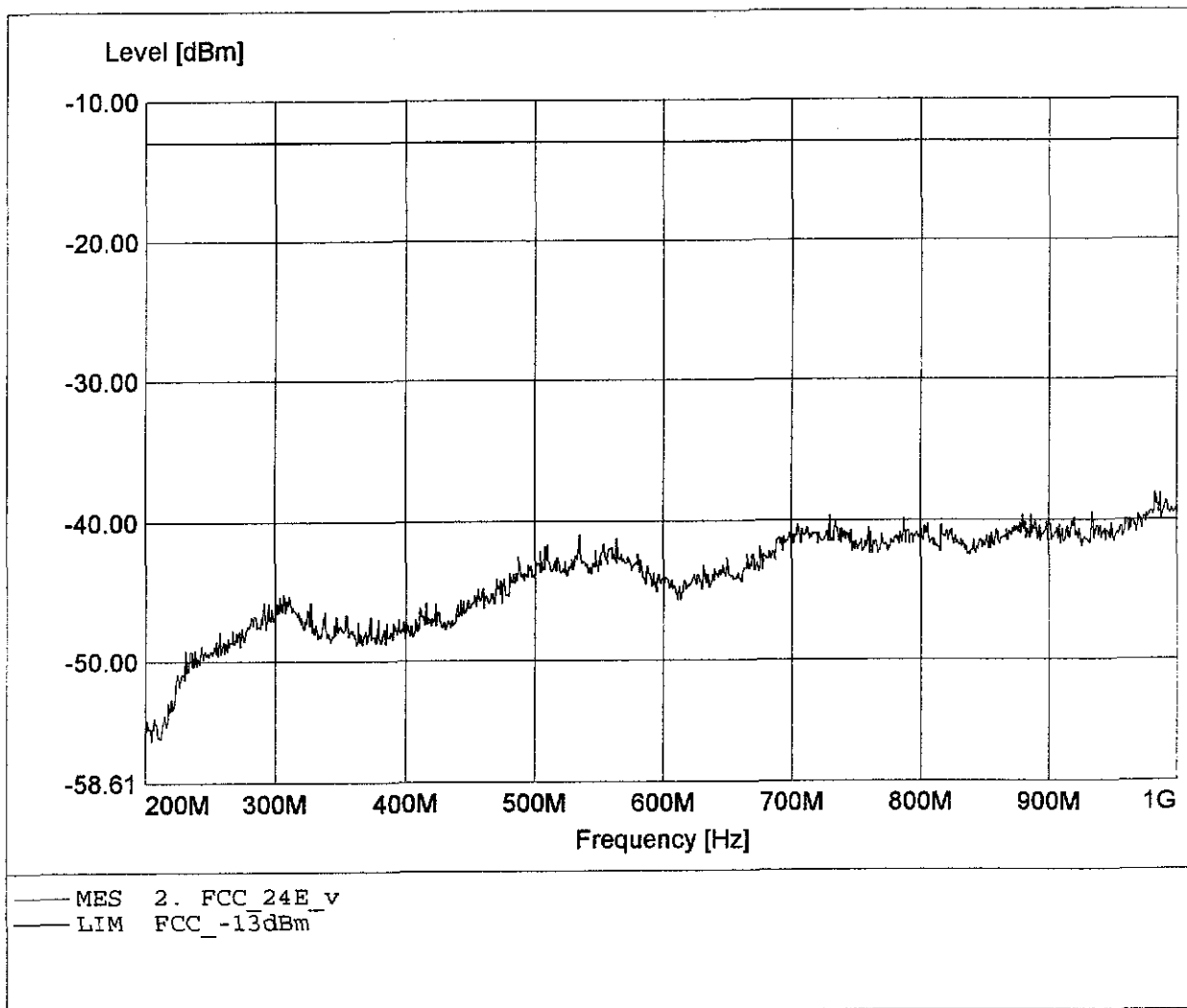
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
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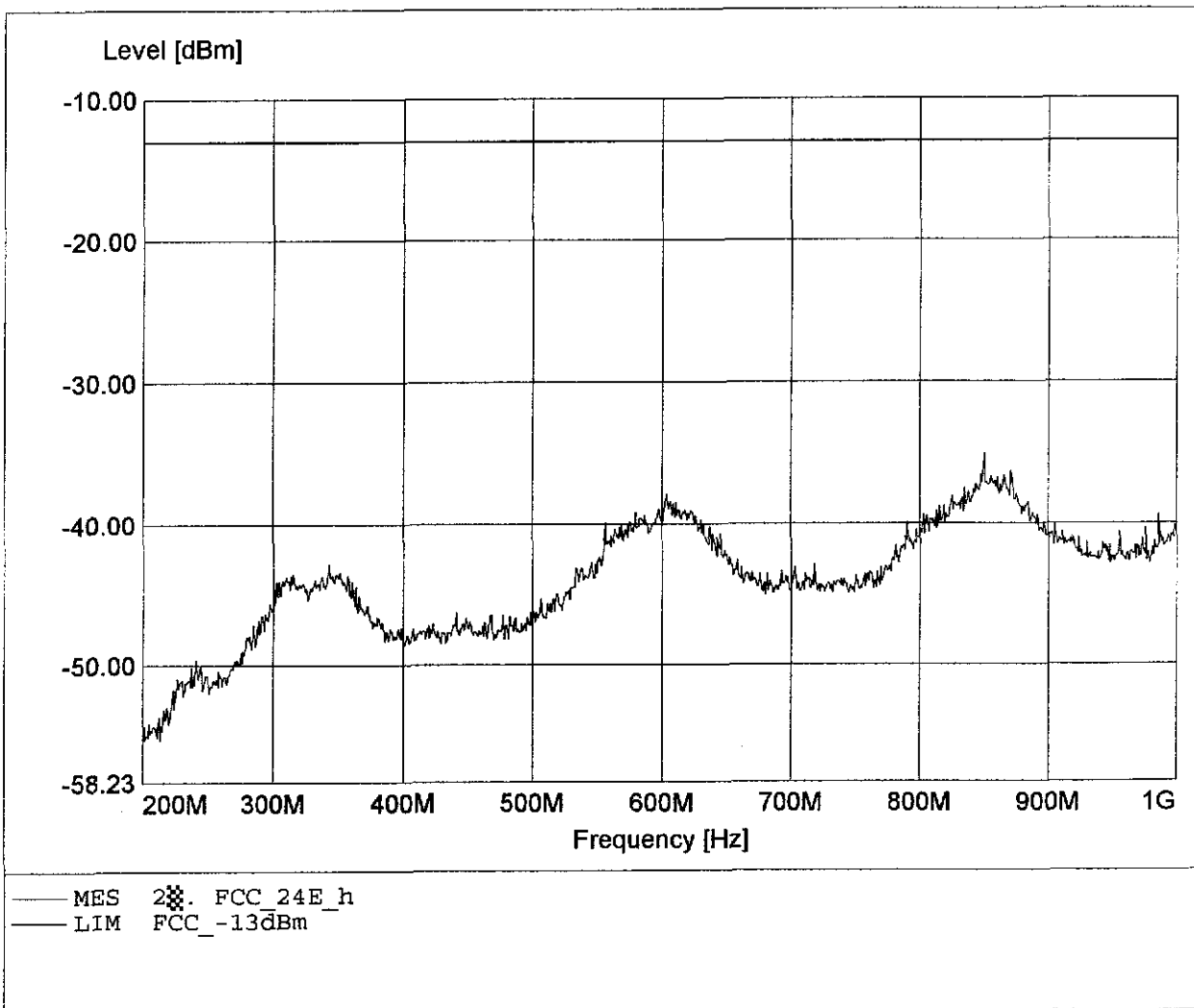
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**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 987.556MHz, Pmax: -38.09dBm, RBW: 1MHz



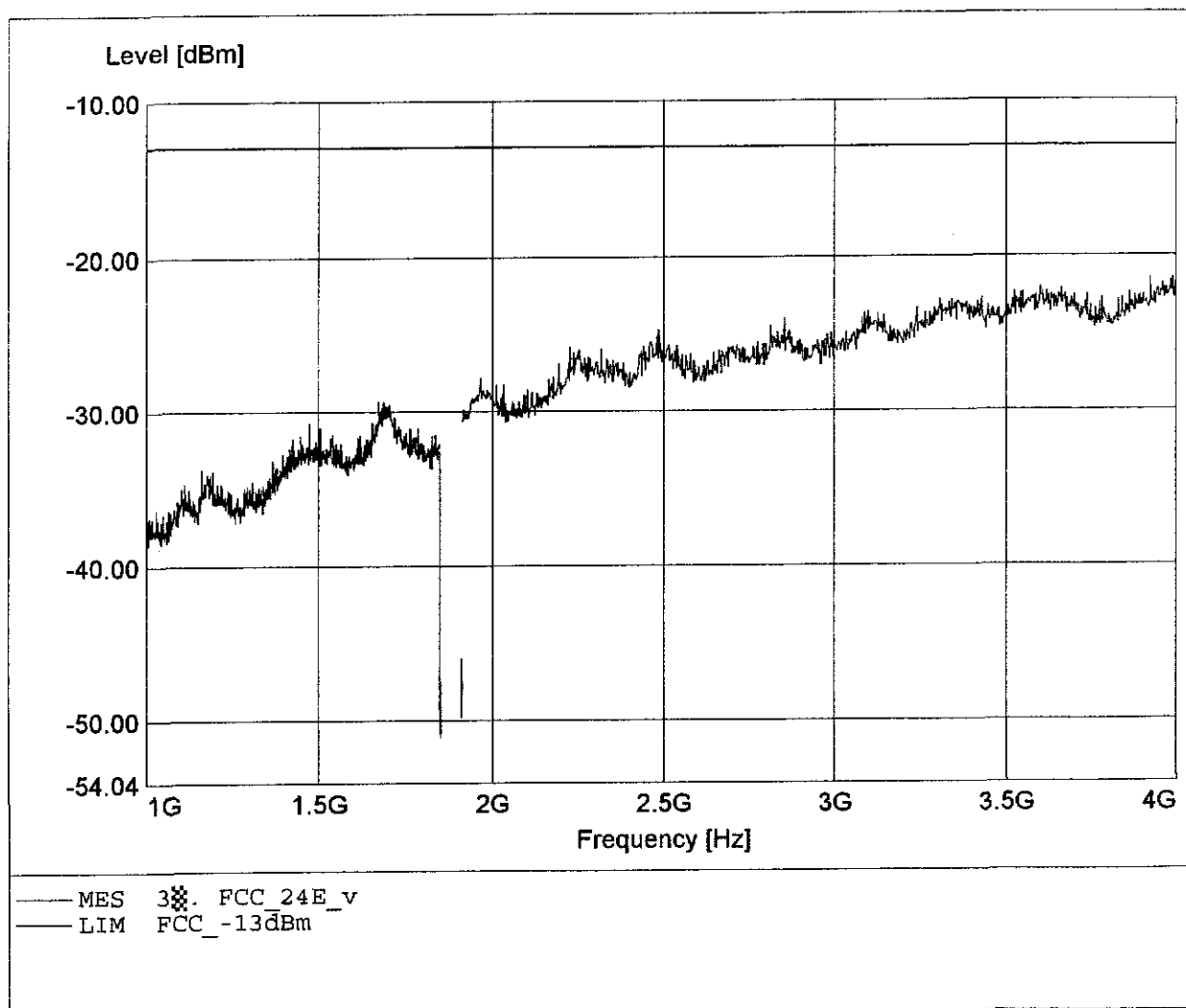
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 850.667MHz, Pmax: -34.98dBm, RBW: 1MHz



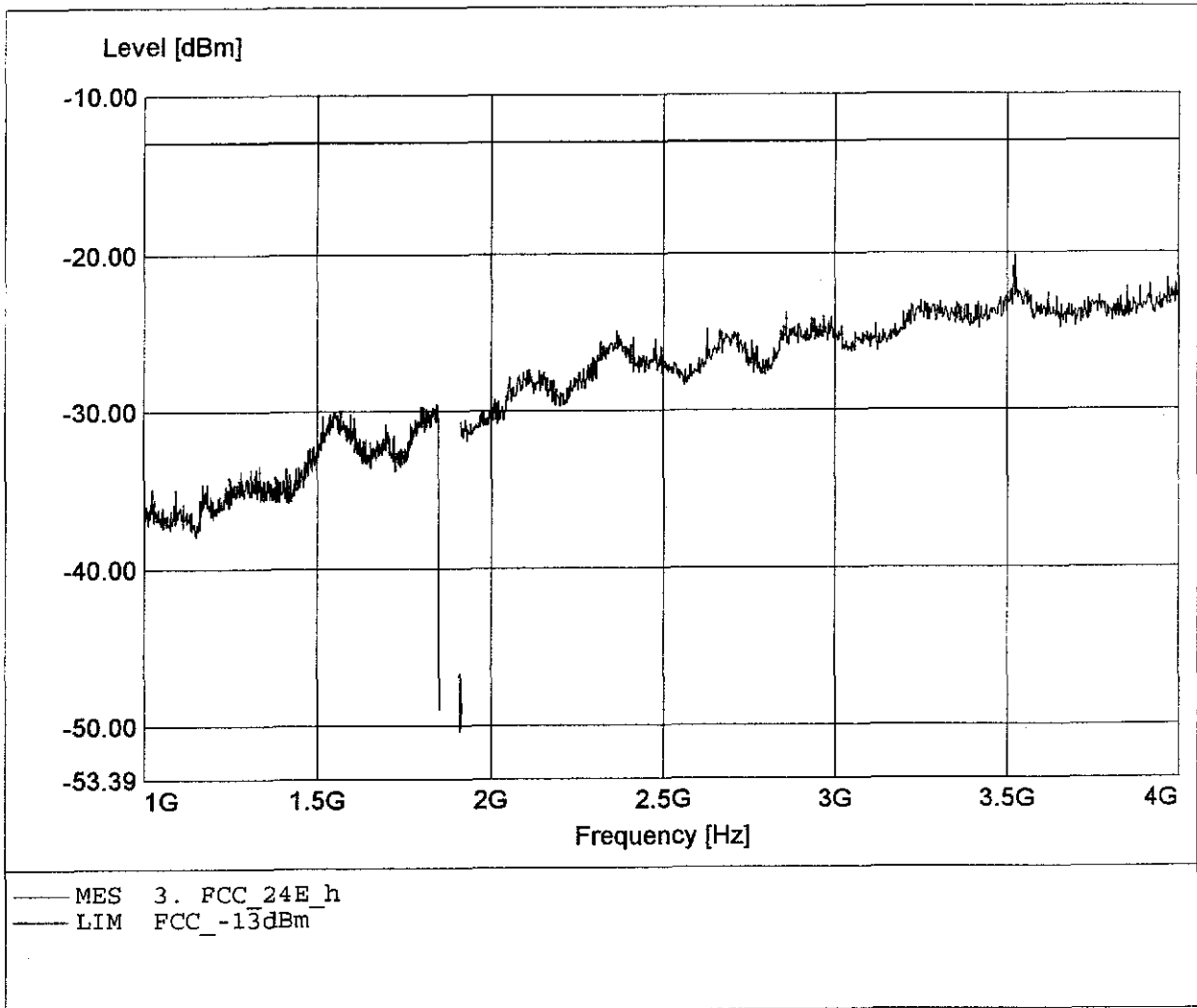
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.991GHz, Pmax: -21.45dBm, RBW: 1MHz/20kHz



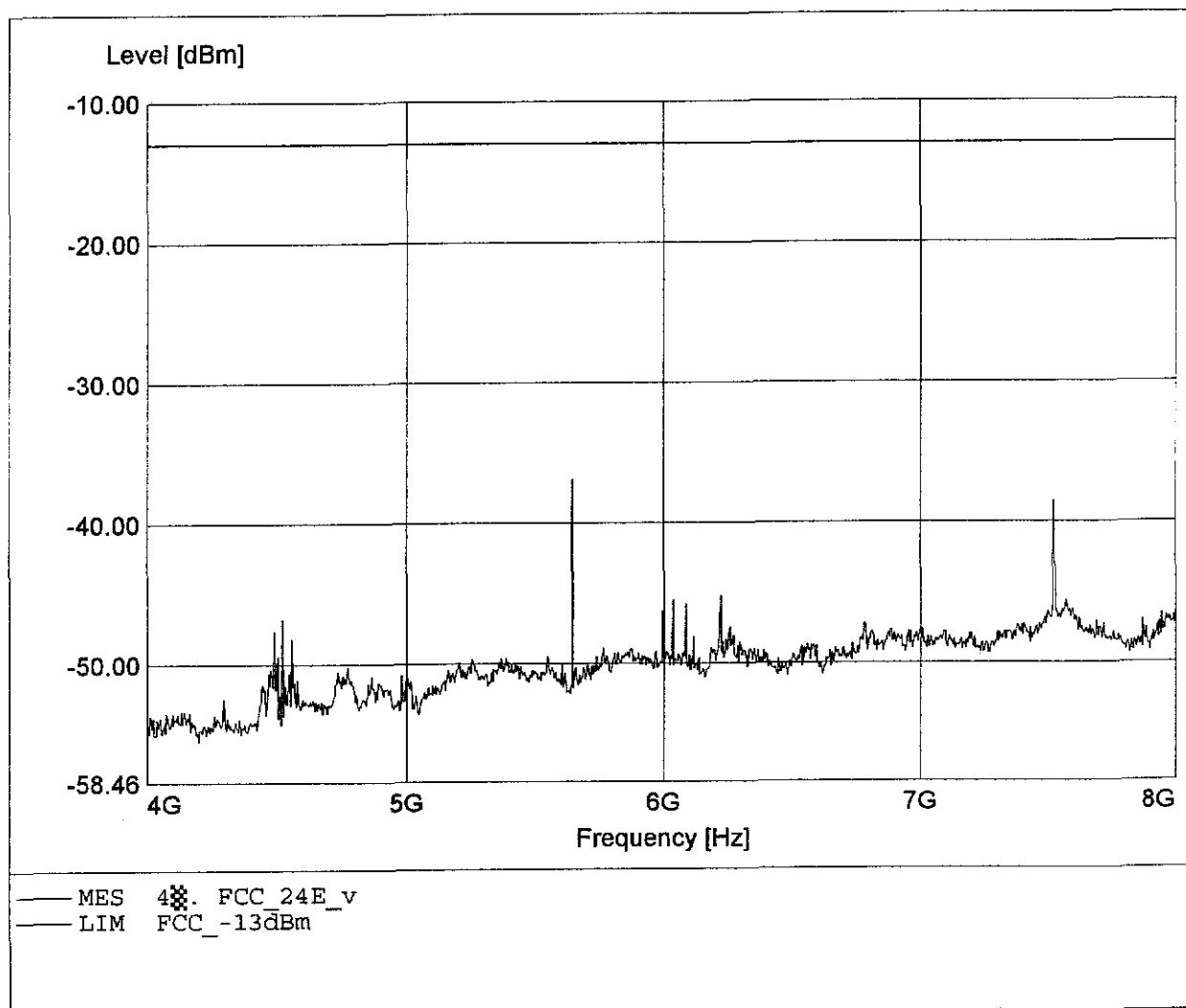
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**FCC RULES PART 24 SUBPART E**

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Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.525GHz, Pmax: -20.17dBm, RBW: 1MHz/20kHz



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

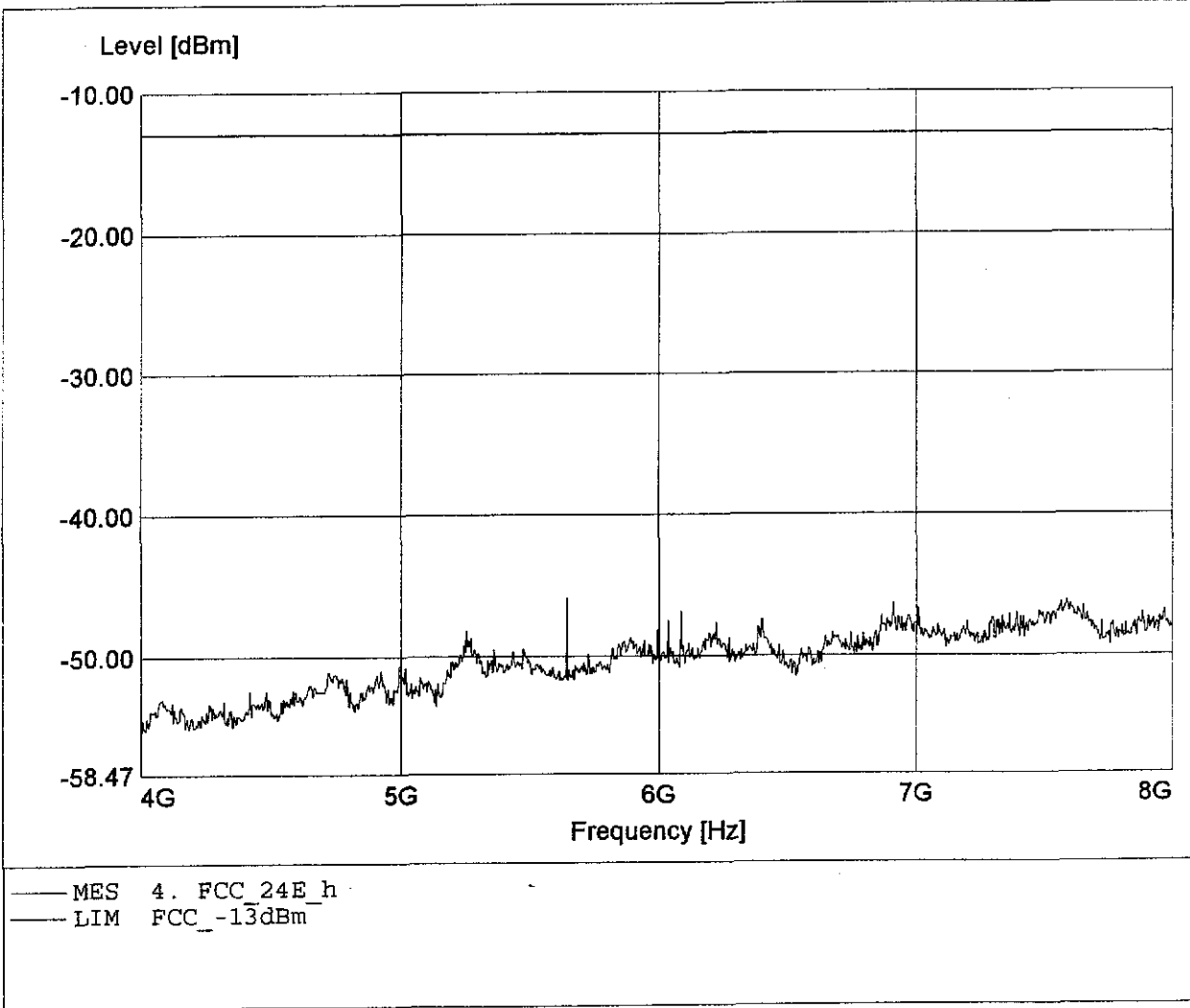
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Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.644GHz, Pmax: -36.90dBm, RBW: 1MHz





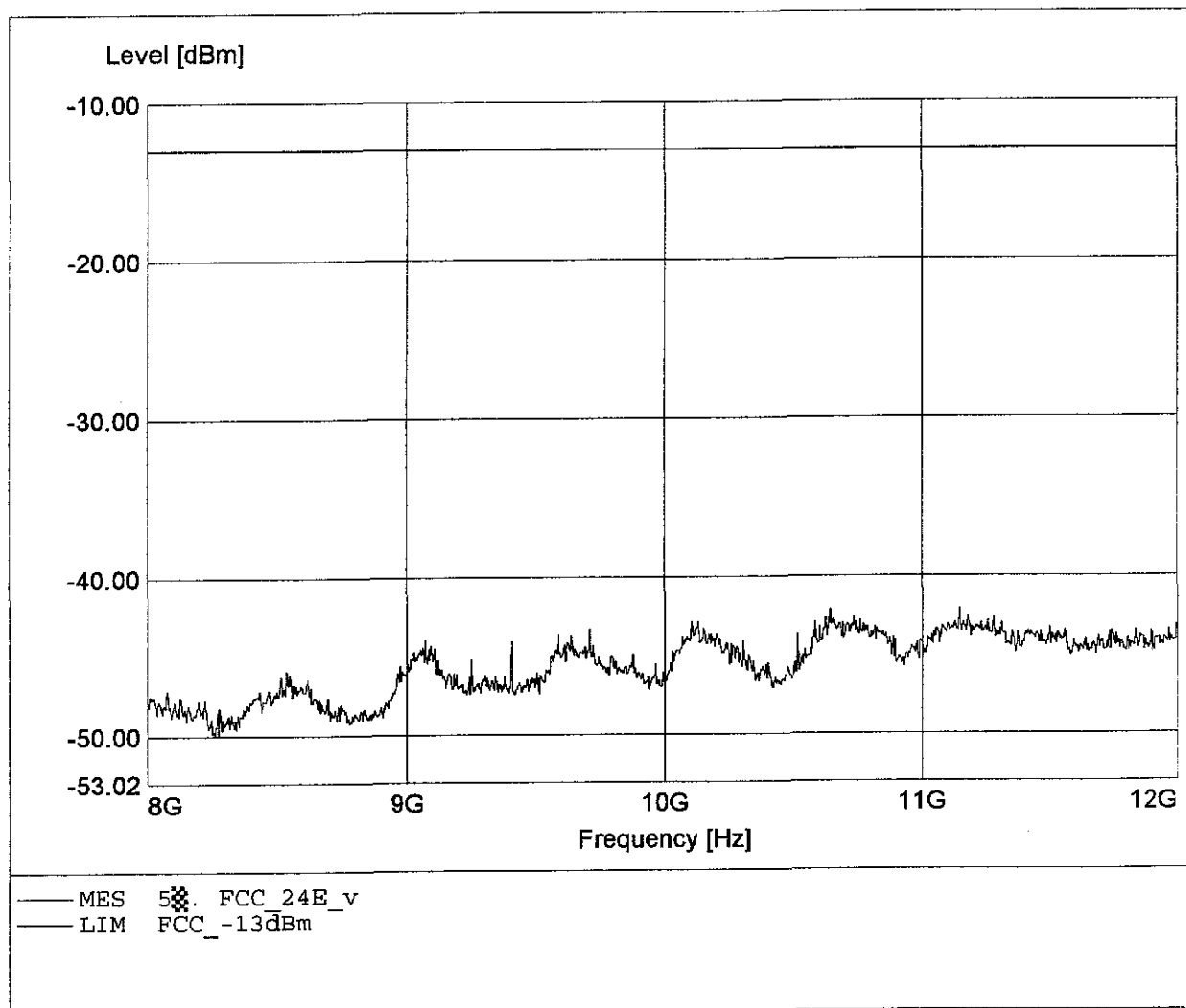
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**FCC RULES PART 24 SUBPART E**

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Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.644GHz, Pmax: -45.88dBm, RBW: 1MHz



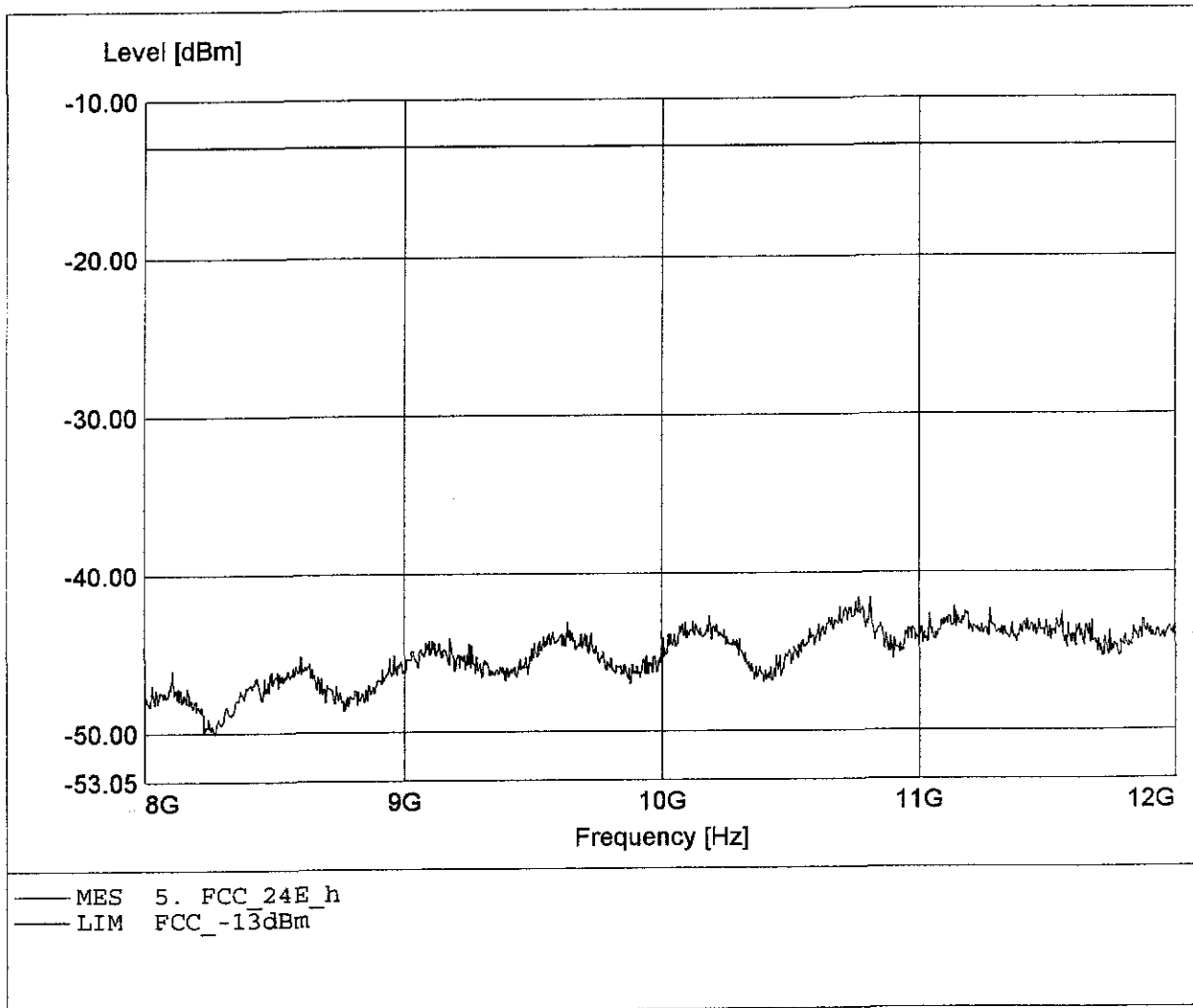
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**FCC RULES PART 24 SUBPART E**

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Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.147GHz, Pmax: -42.11dBm, RBW: 1MHz



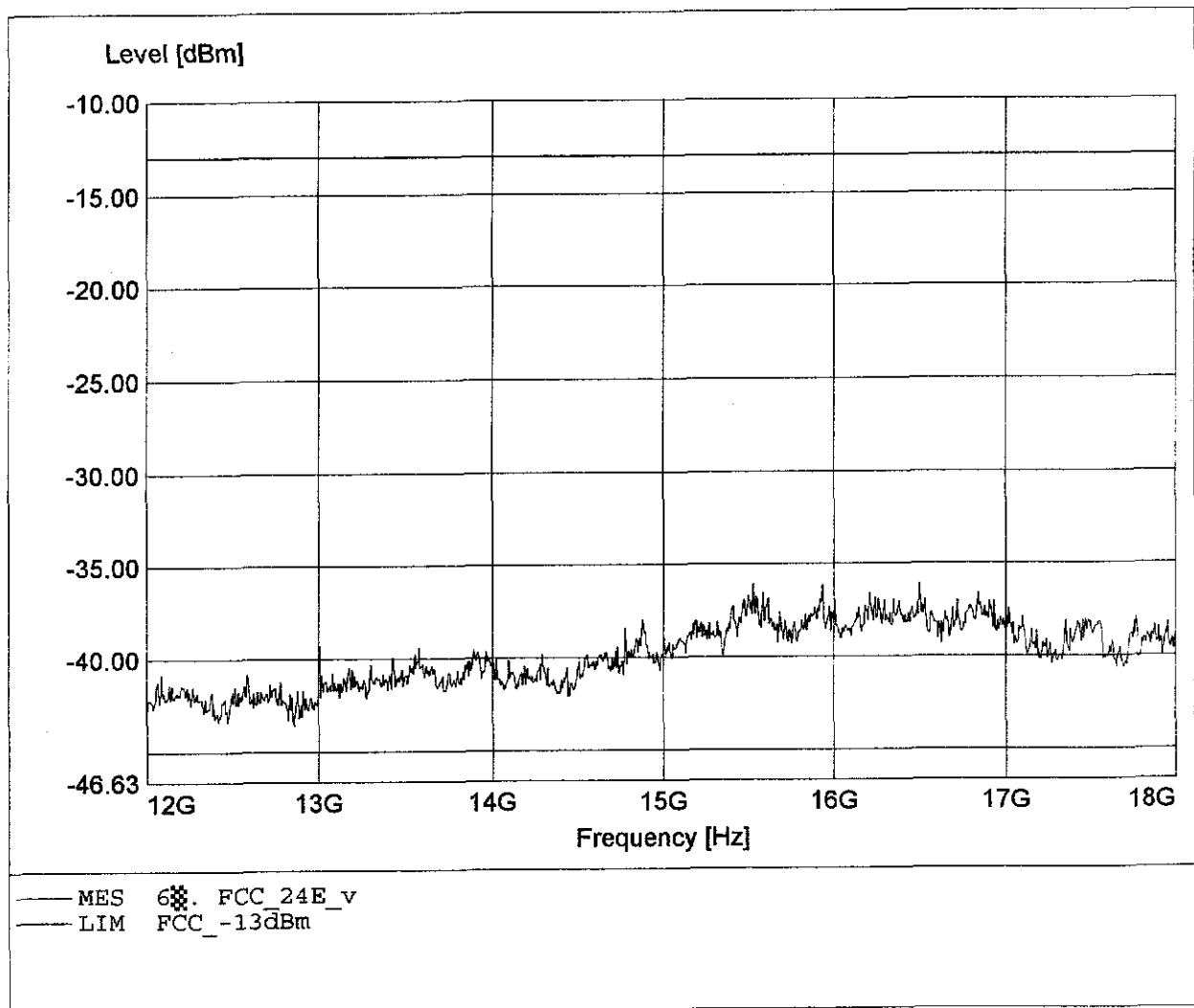
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

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Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.769GHz, Pmax: -41.54dBm, RBW: 1MHz



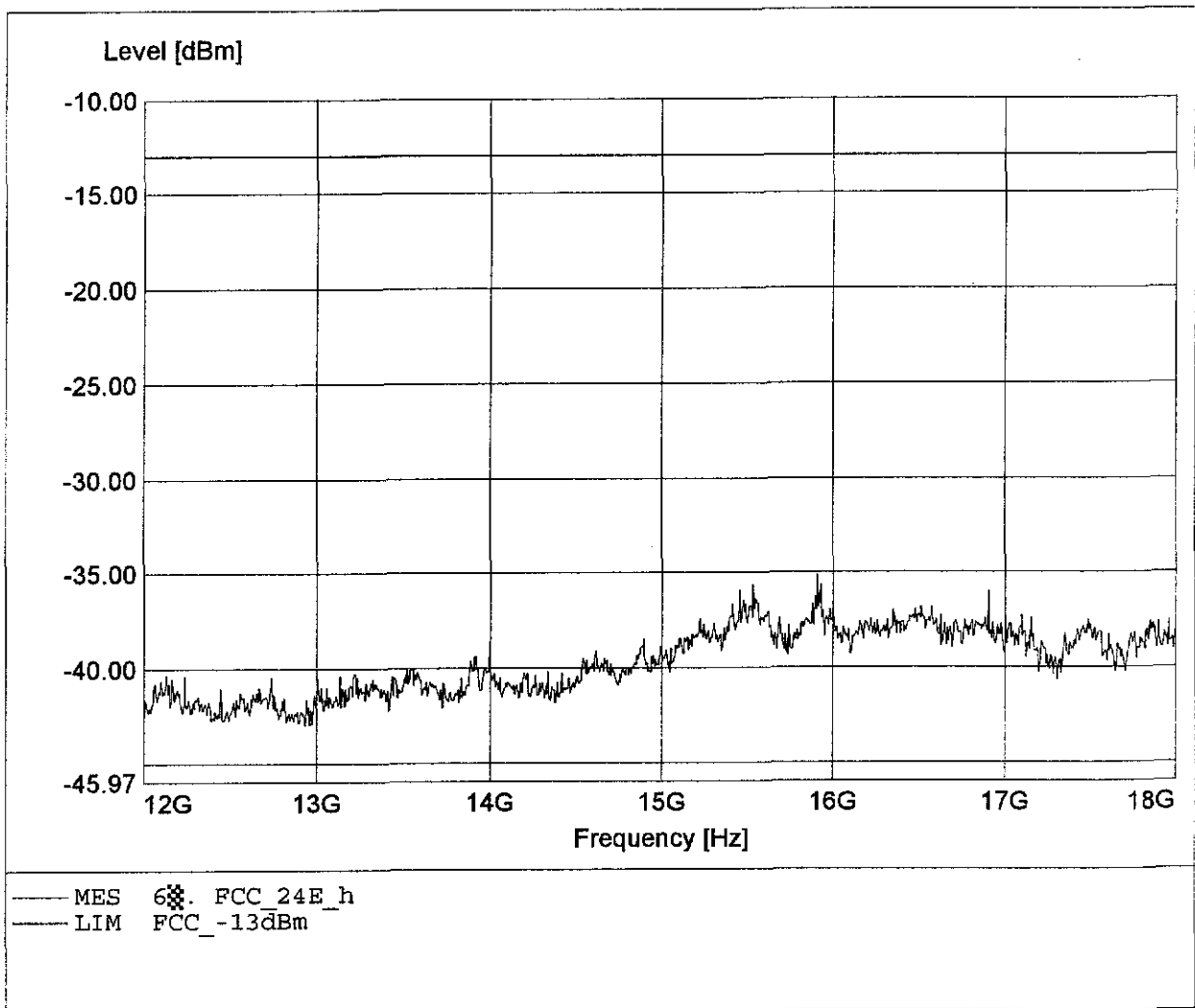
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

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Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.527GHz, Pmax: -36.07dBm, RBW: 1MHz



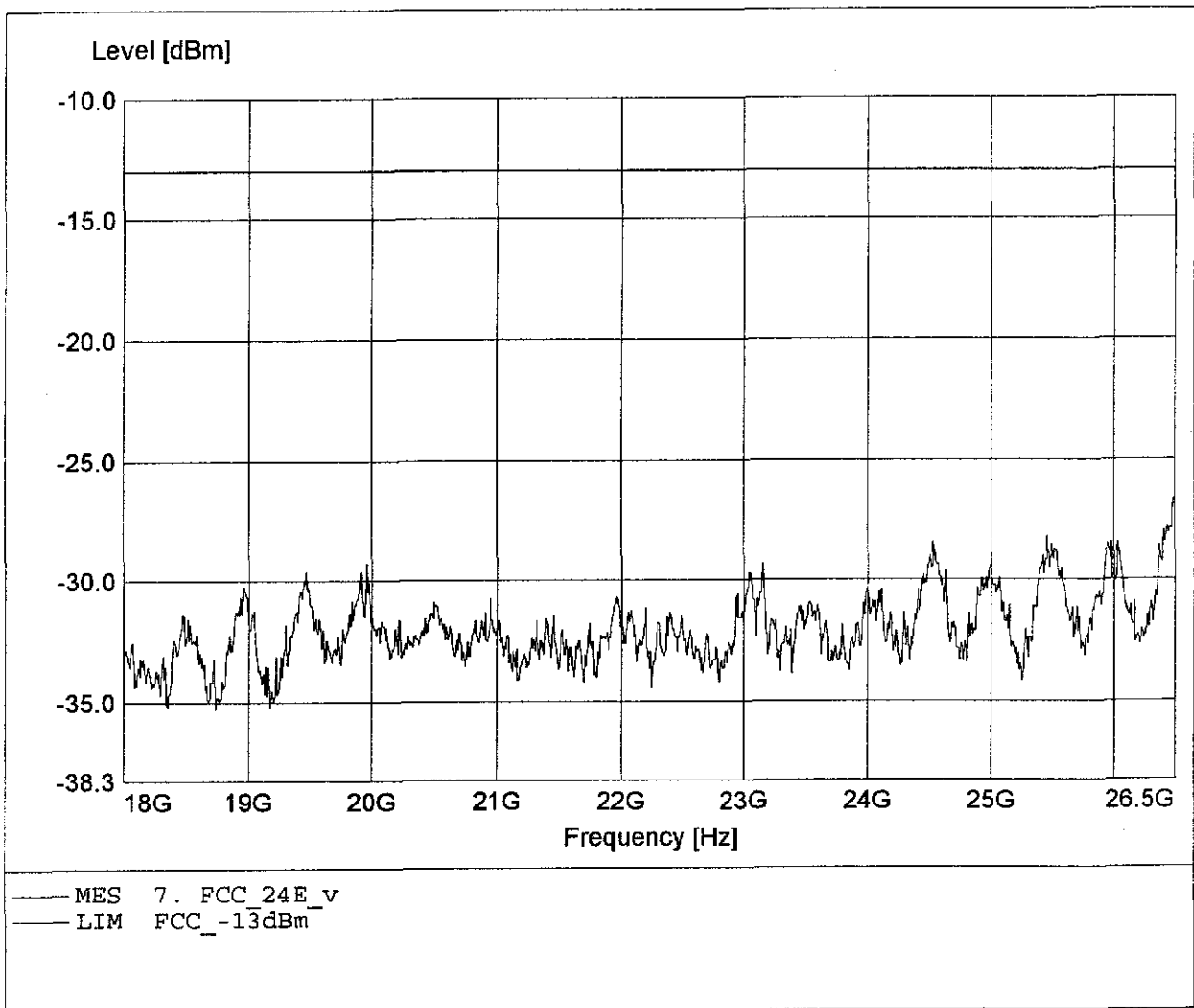
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.907GHz, Pmax: -35.17dBm, RBW: 1MHz



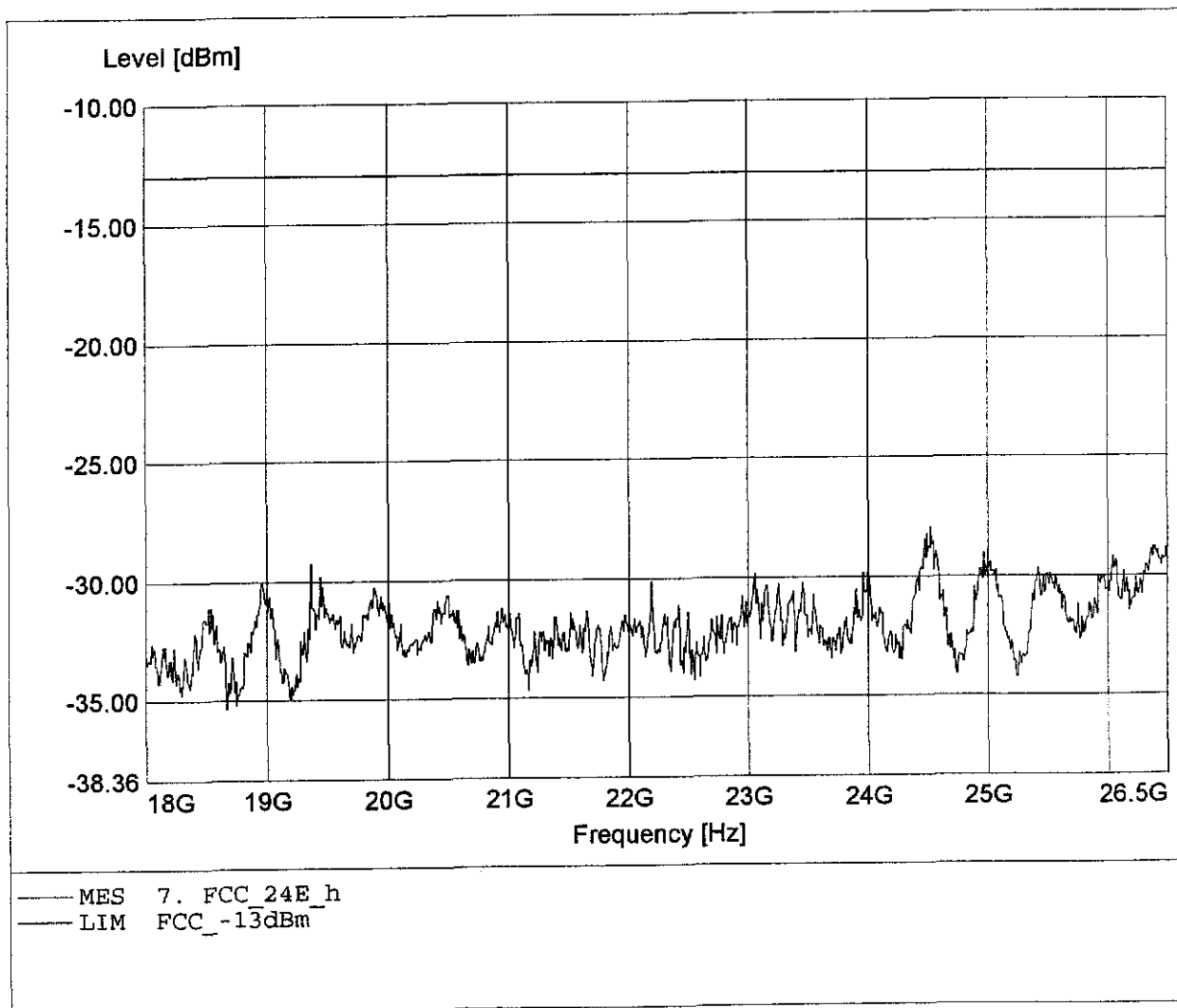
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.491GHz, Pmax: -26.68dBm, RBW: 1MHz



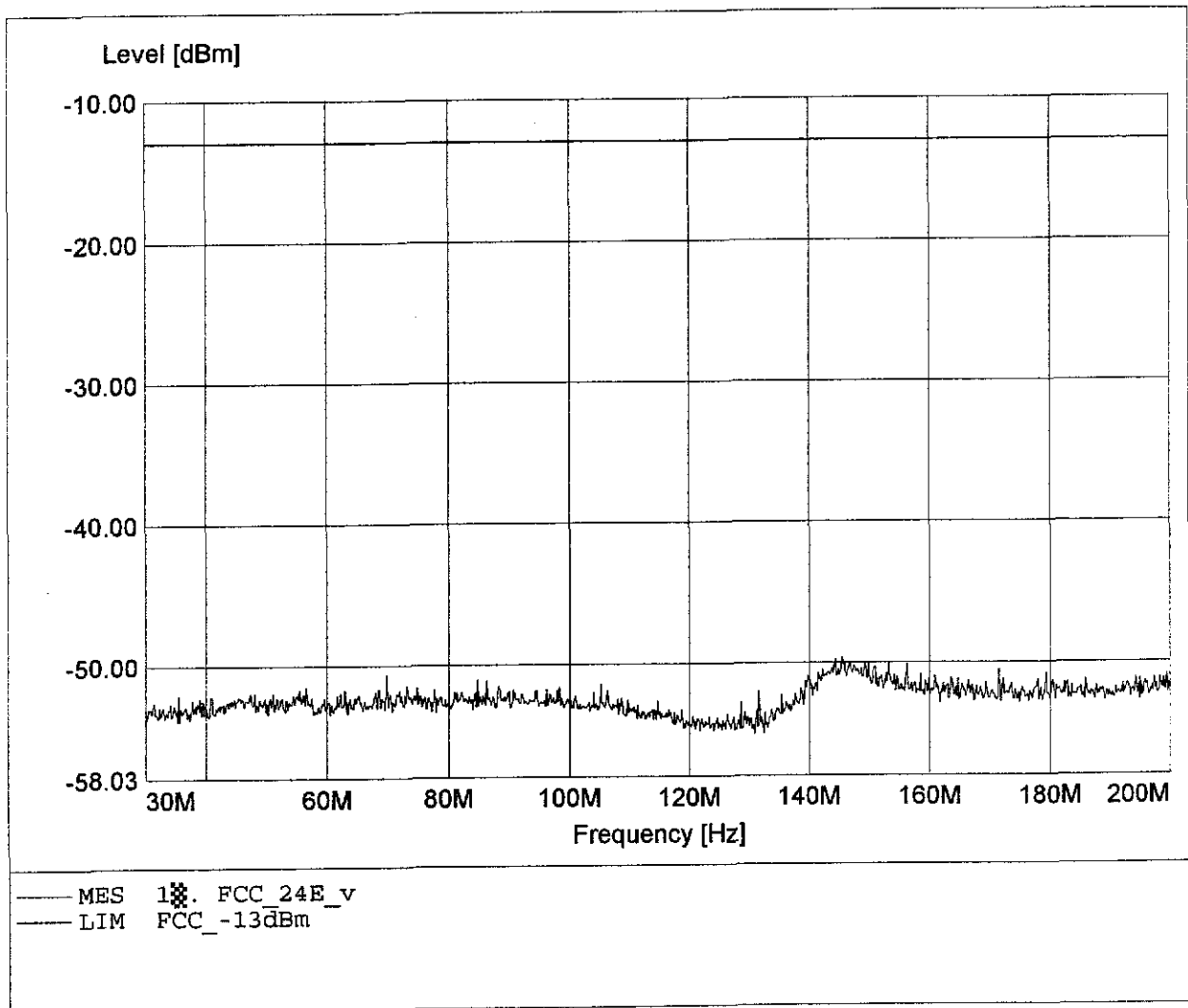
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.526GHz, Pmax: -27.98dBm, RBW: 1MHz



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

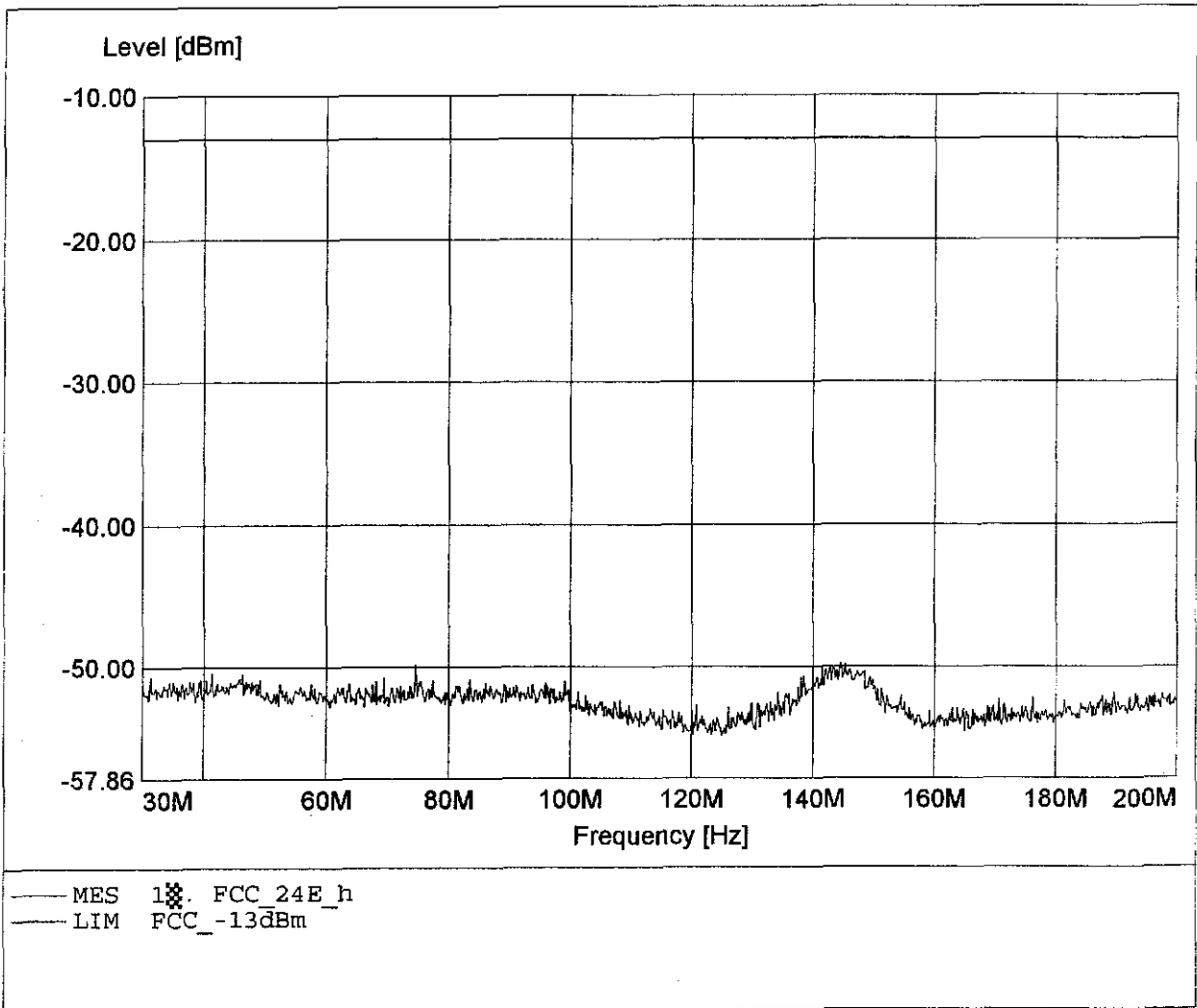
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Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 145.411MHz, Pmax: -49.62dBm, RBW: 1MHz





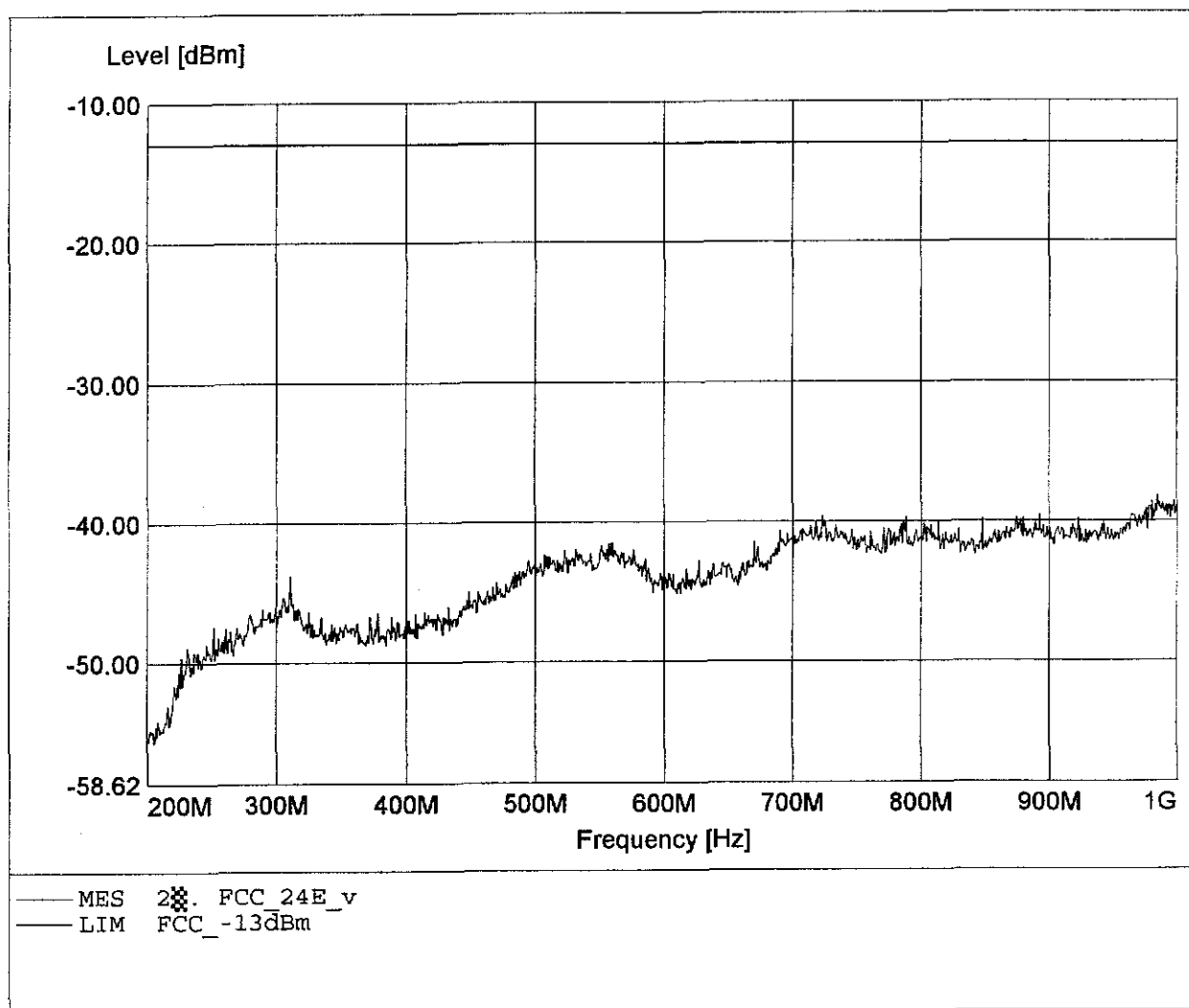
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**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 144.467MHz, Pmax: -49.77dBm, RBW: 1MHz



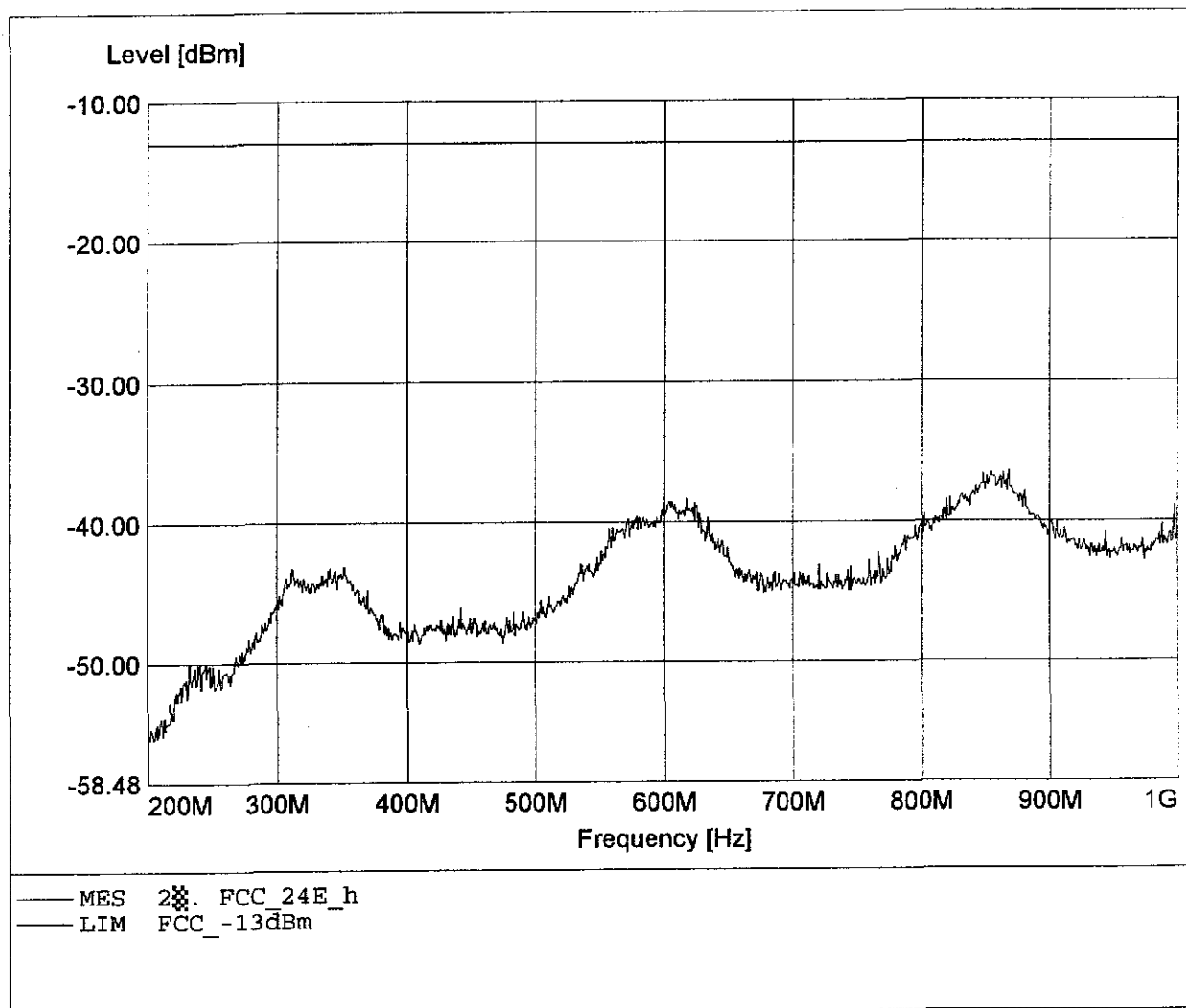
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 984.889MHz, Pmax: -38.18dBm, RBW: 1MHz



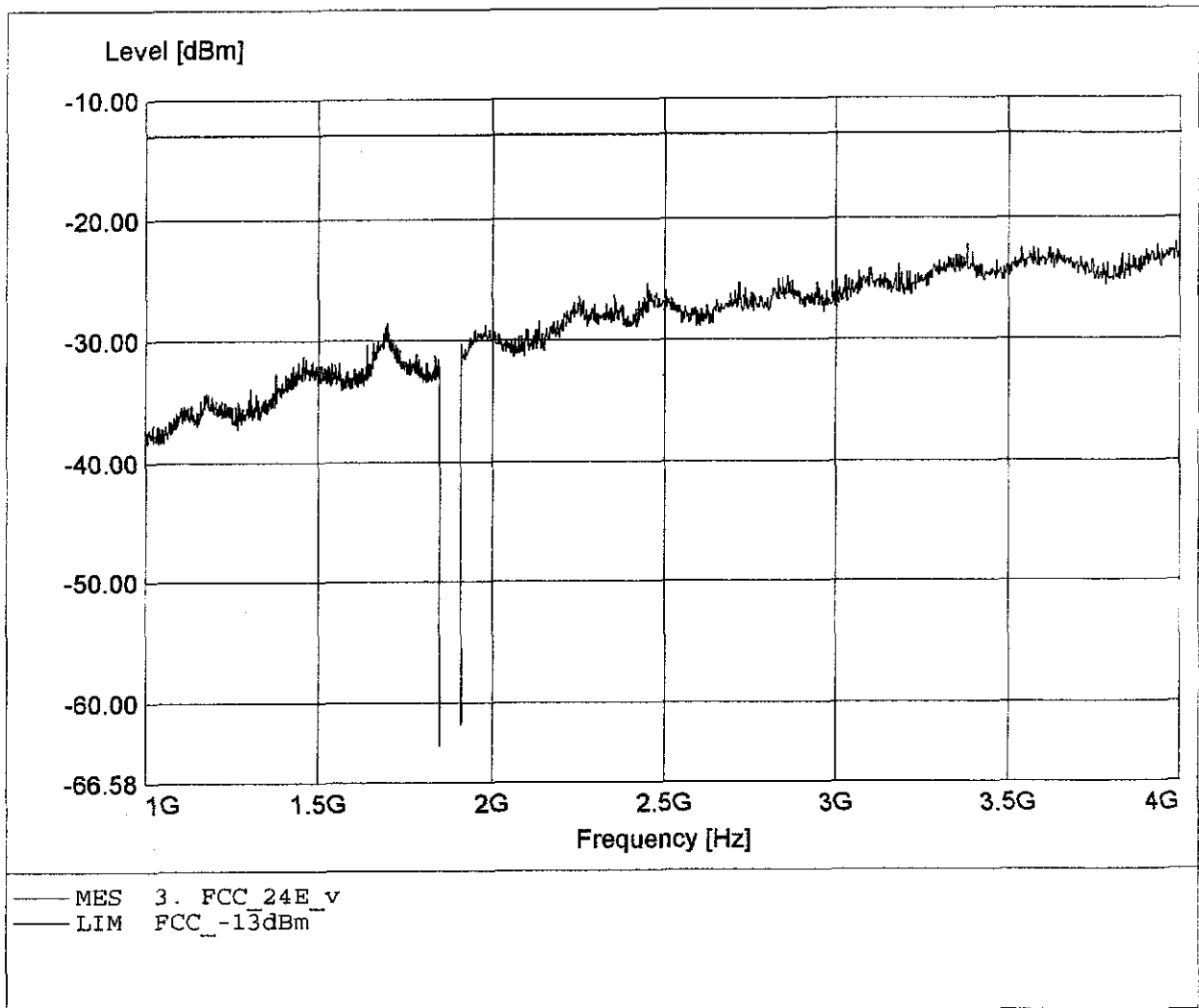
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 868.444MHz, Pmax: -36.32dBm, RBW: 1MHz



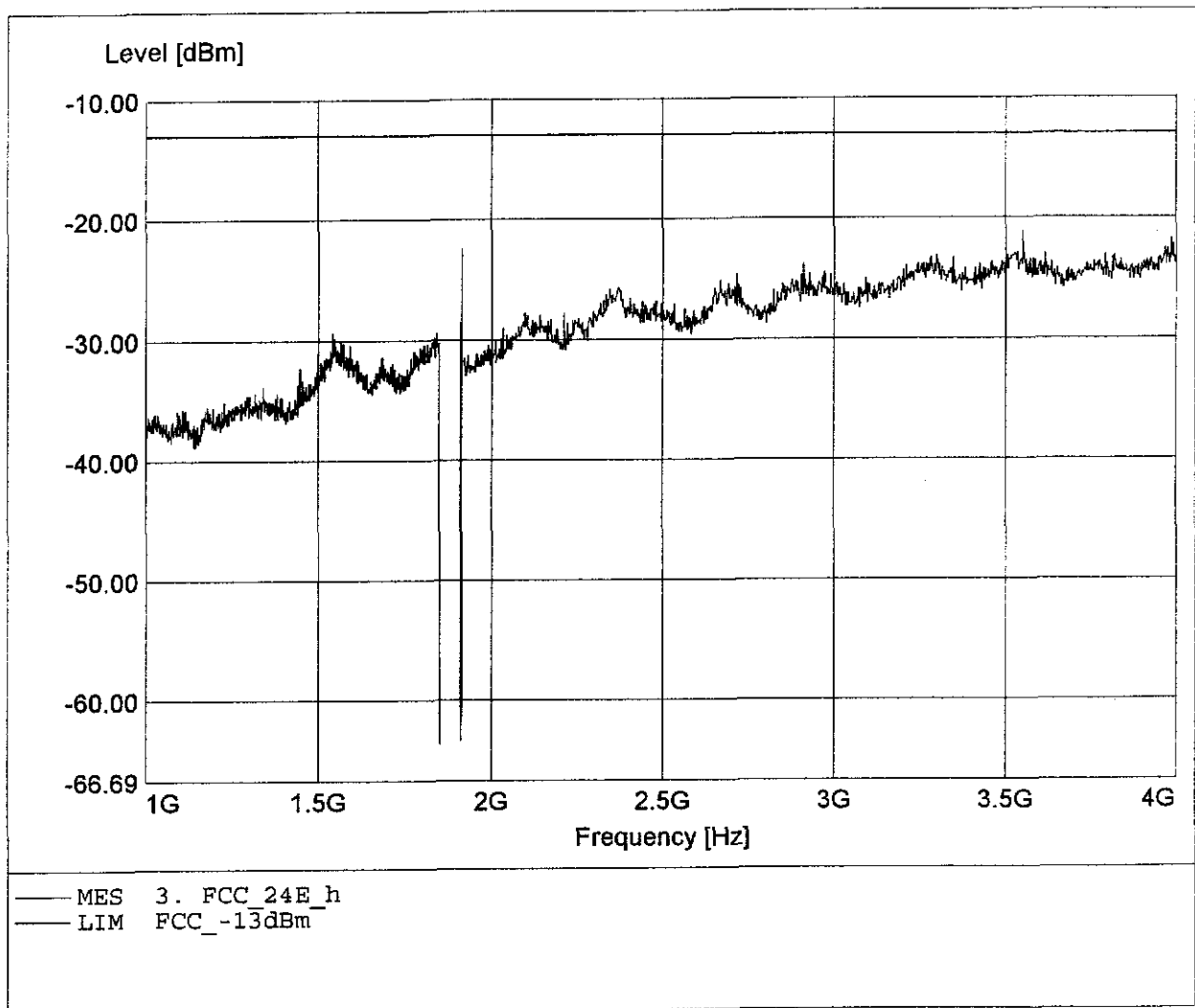
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr.F.Schulz  
Temperature/ Voltage: 22°C / Unom : 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.988GHz, Pmax: -22.05dBm, RBW: 1MHz/20kHz



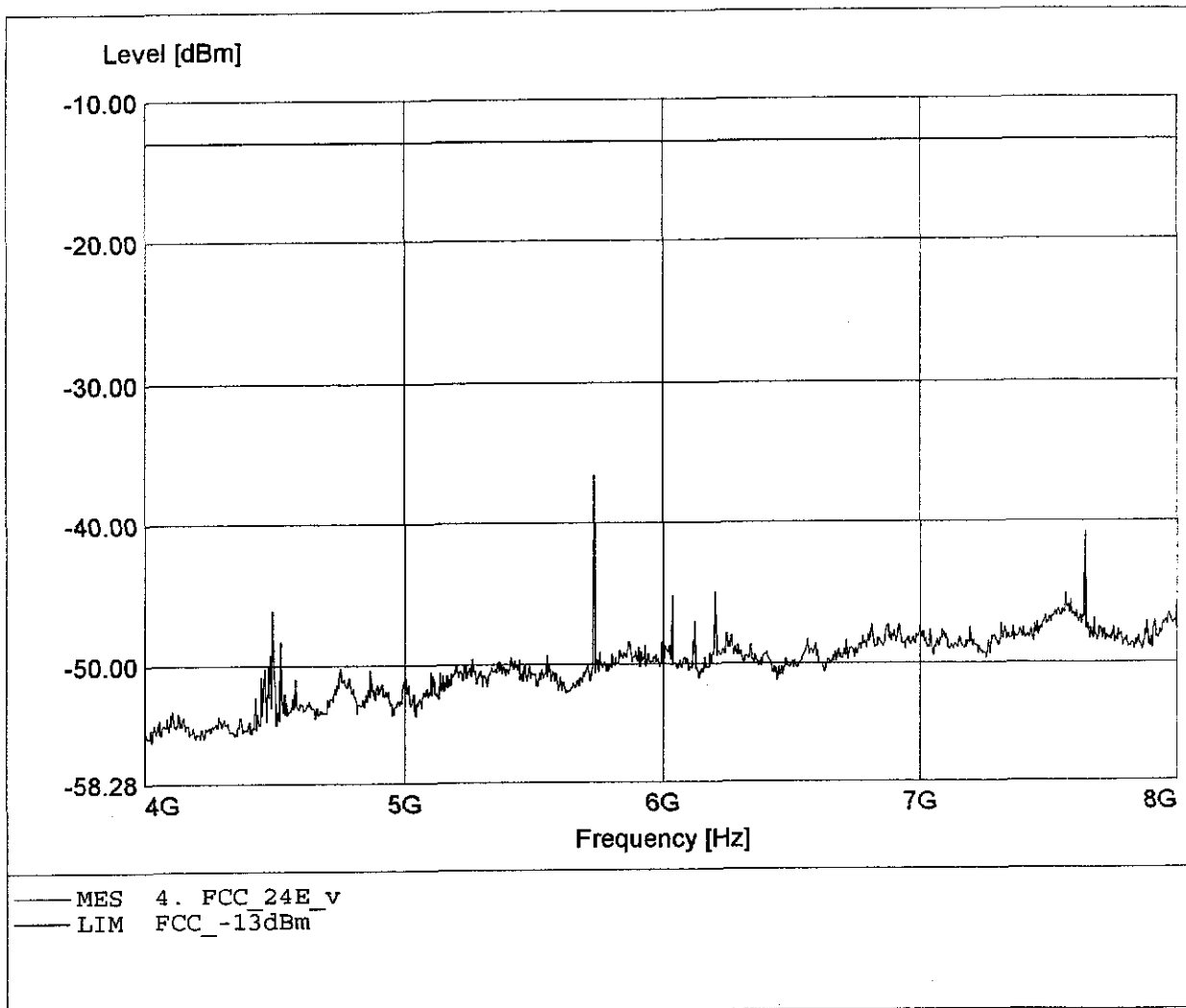
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**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr.F.Schulz  
Temperature/ Voltage: 22°C / Unom : 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.550GHz, Pmax: -21.16dBm, RBW: 1MHz/20kHz



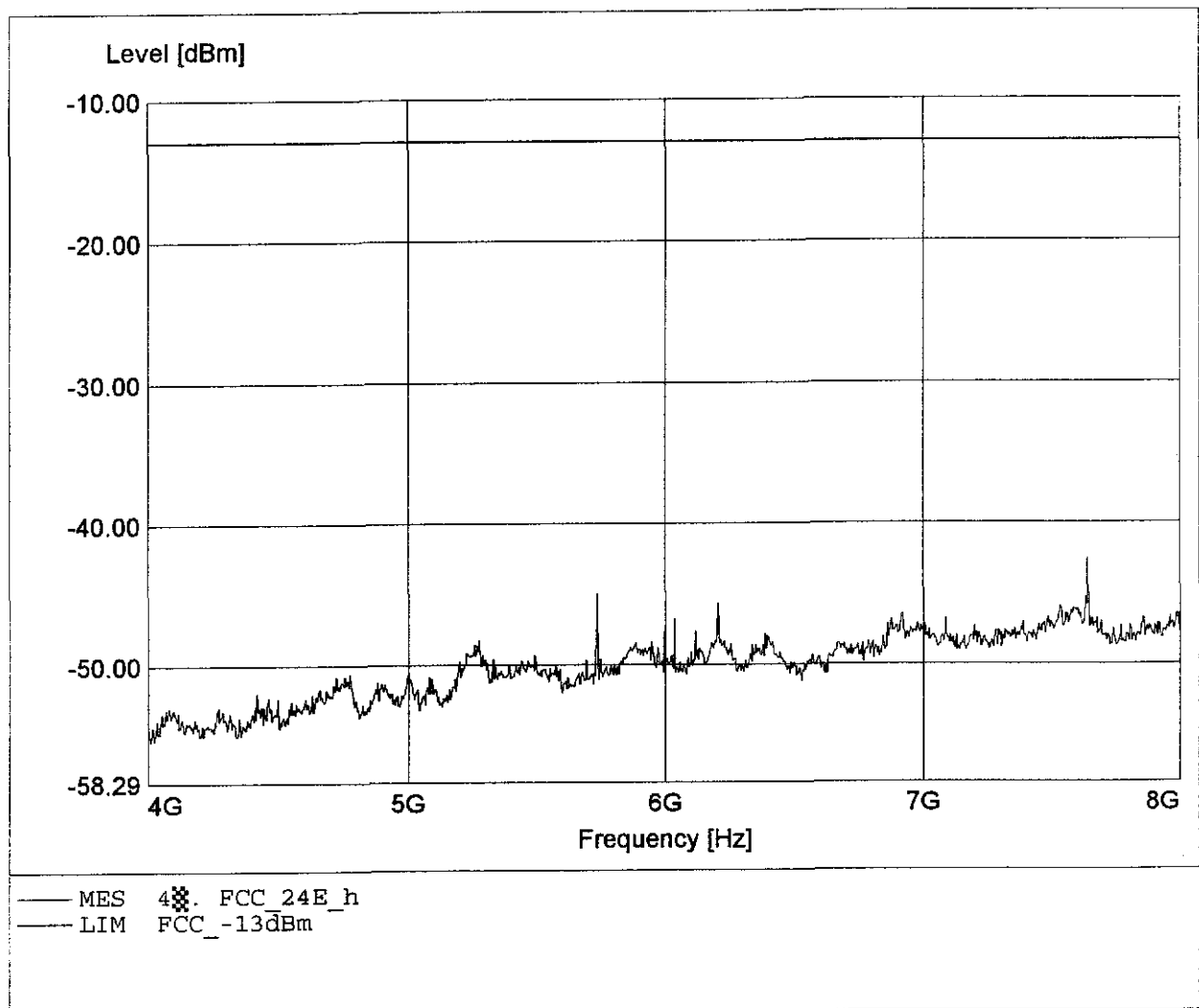
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.733GHz, Pmax: -36.62dBm, RBW: 1MHz



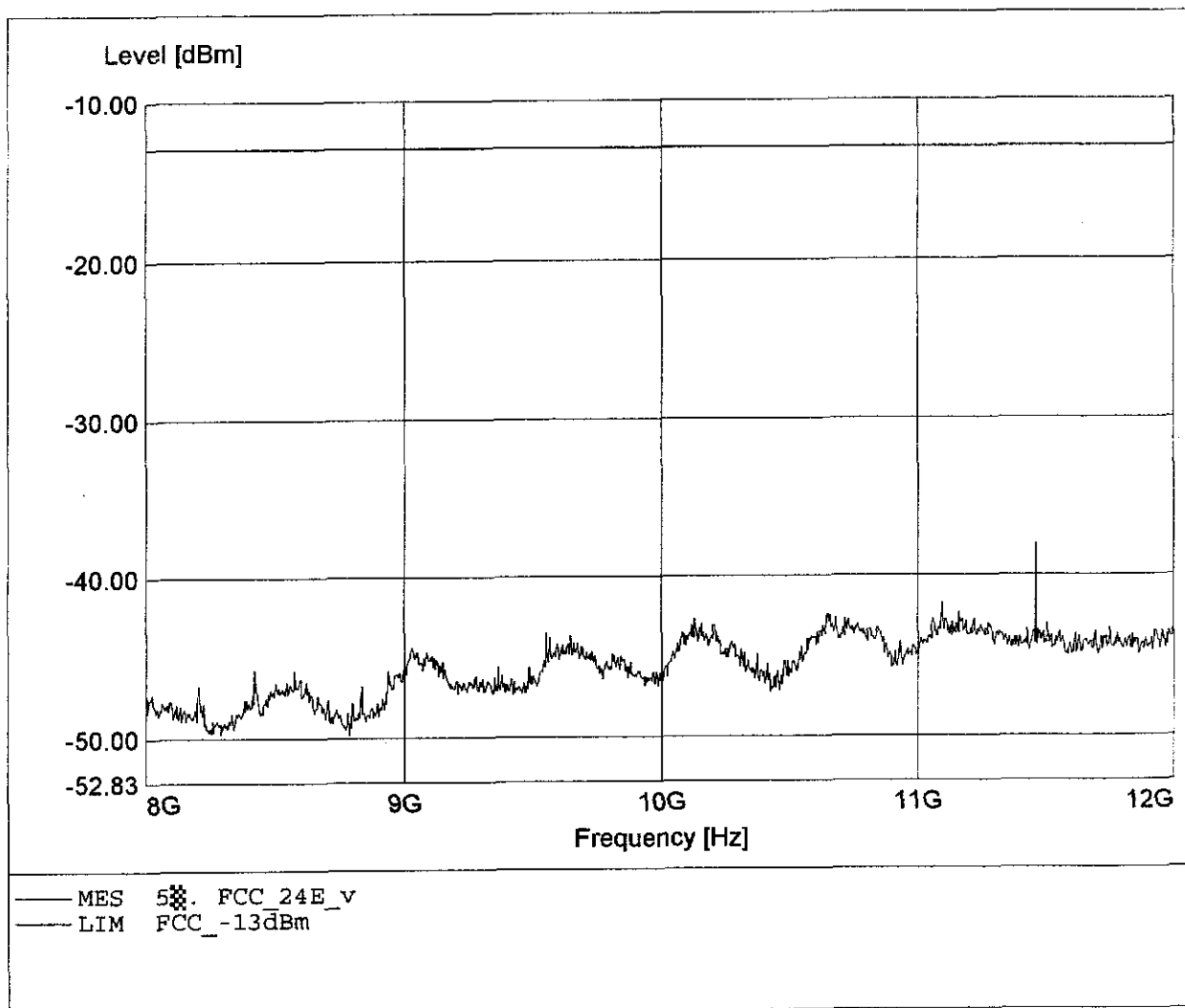
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: BTS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.640GHz, Pmax: -42.56dBm, RBW: 1MHz



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

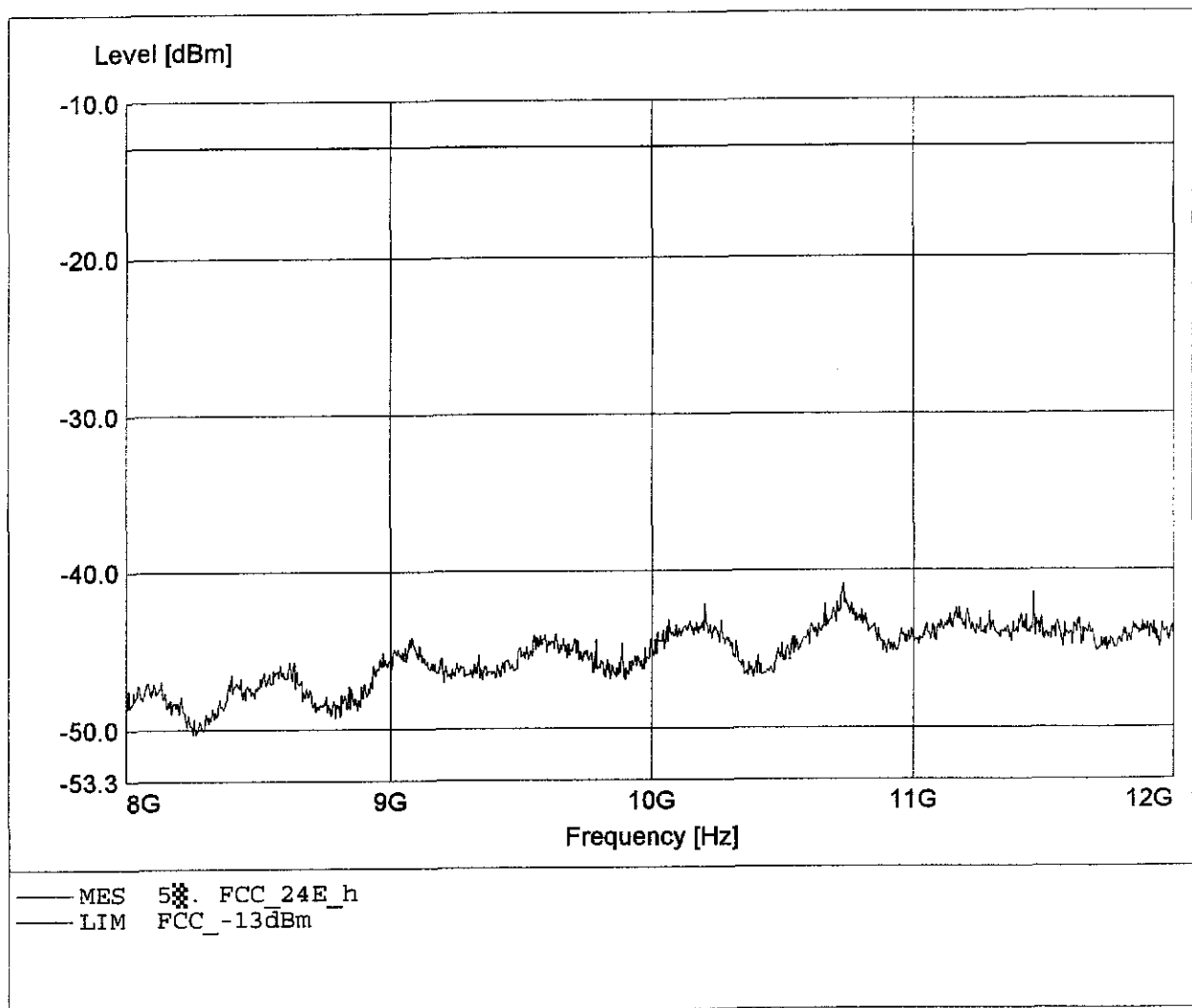
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Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.462GHz, Pmax: -38.05dBm, RBW: 1MHz





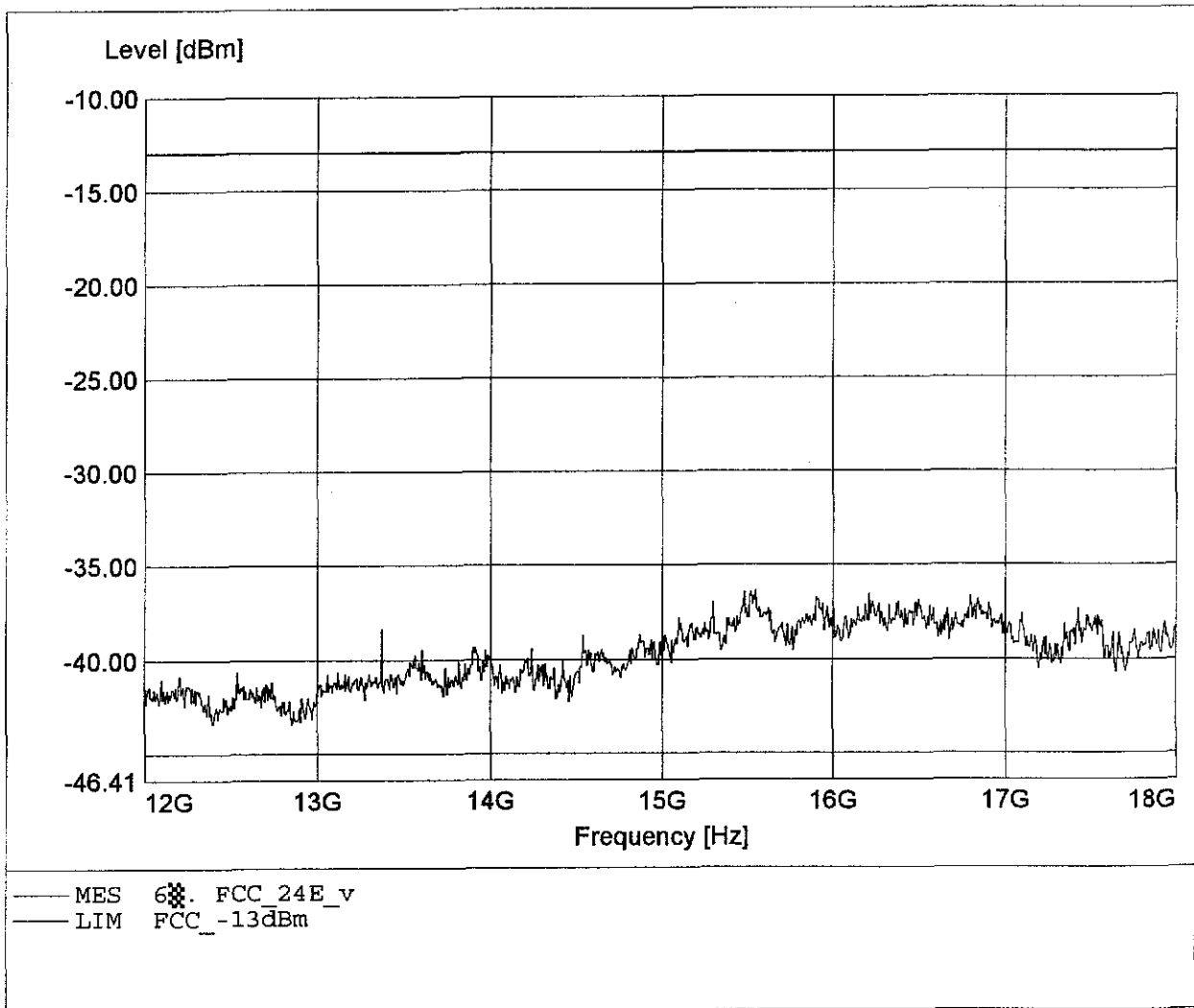
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.733GHz, Pmax: -40.93dBm, RBW: 1MHz



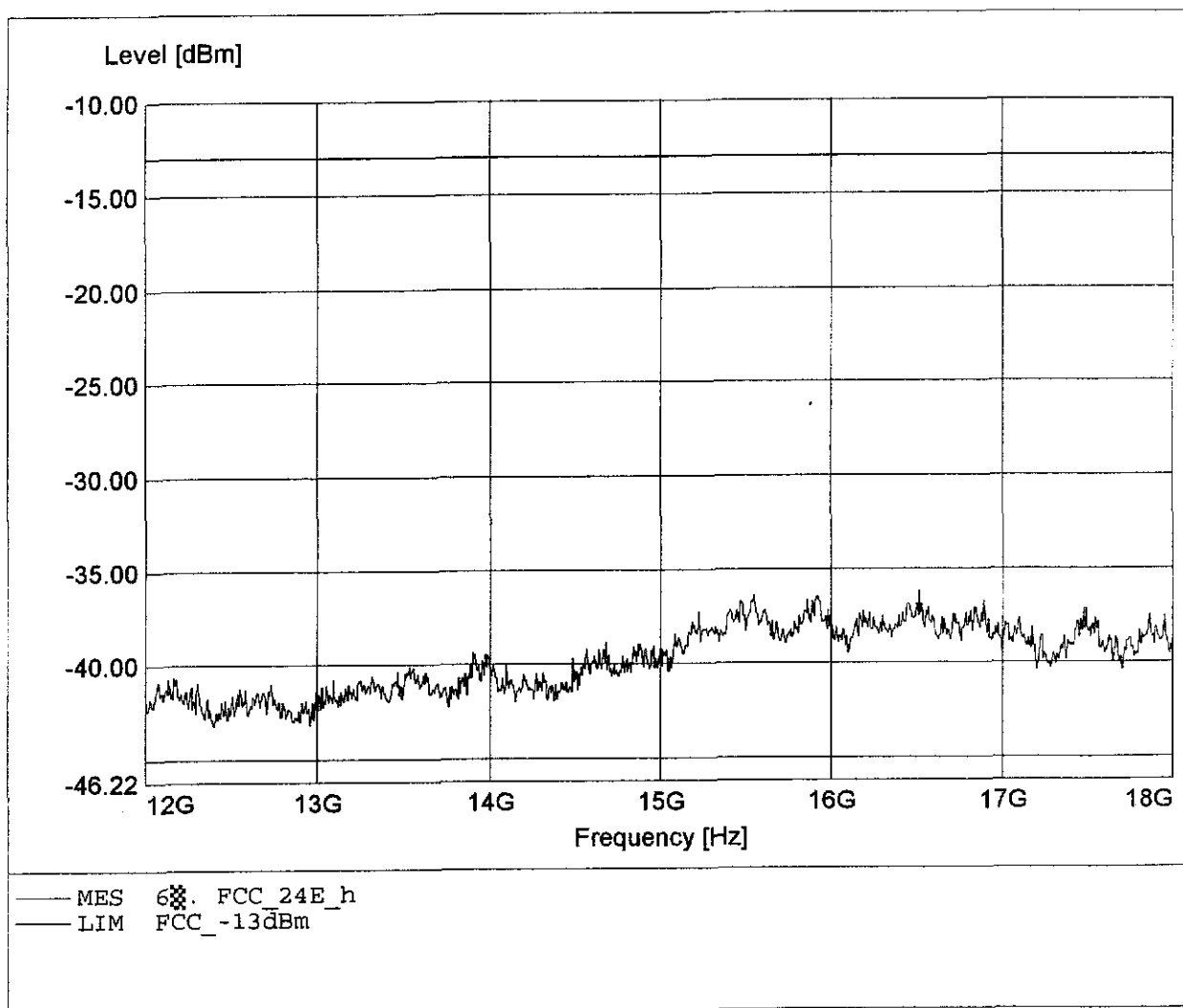
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.547GHz, Pmax: -36.34dBm, RBW: 1MHz



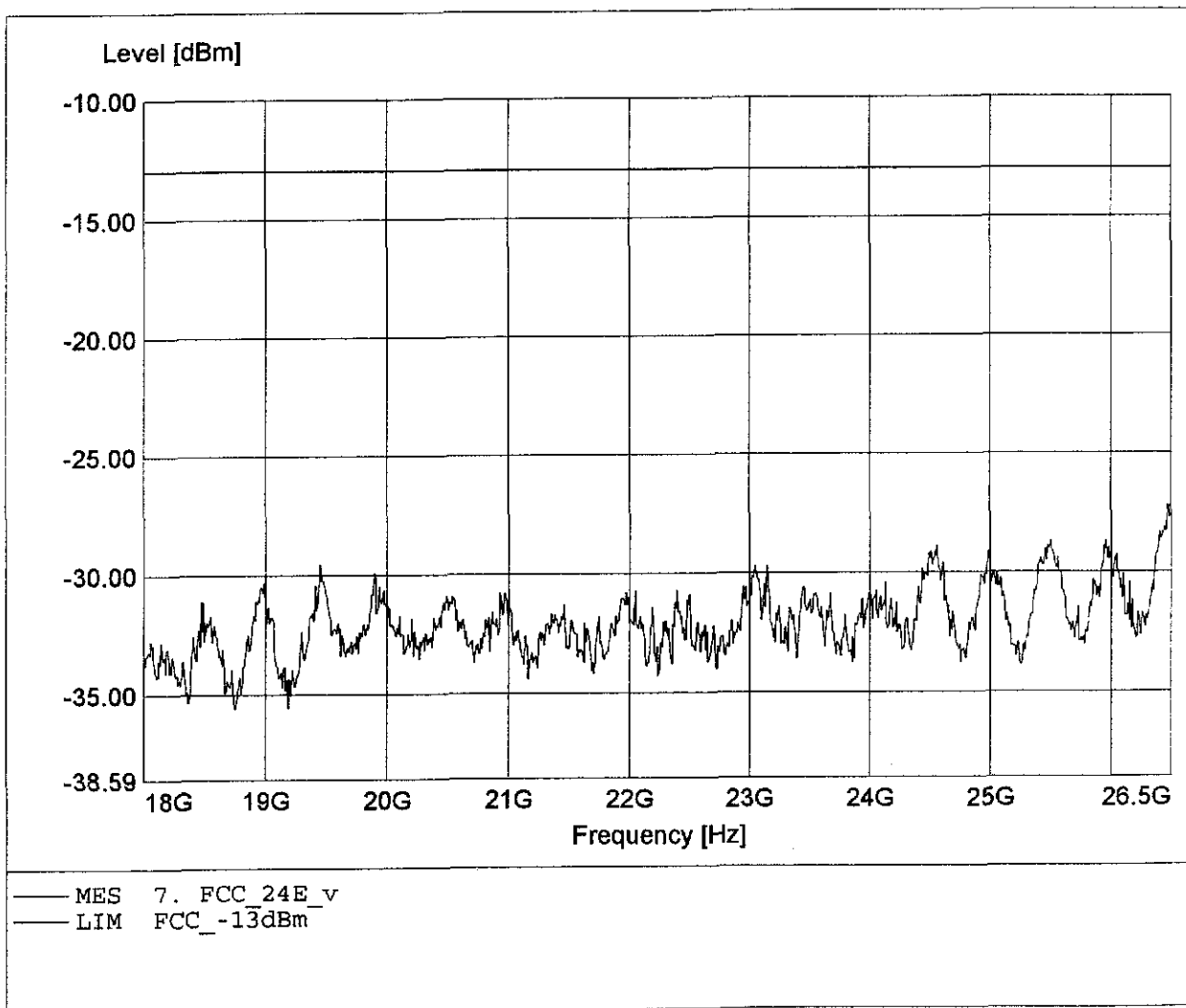
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 16.513GHz, Pmax: -36.16dBm, RBW: 1MHz



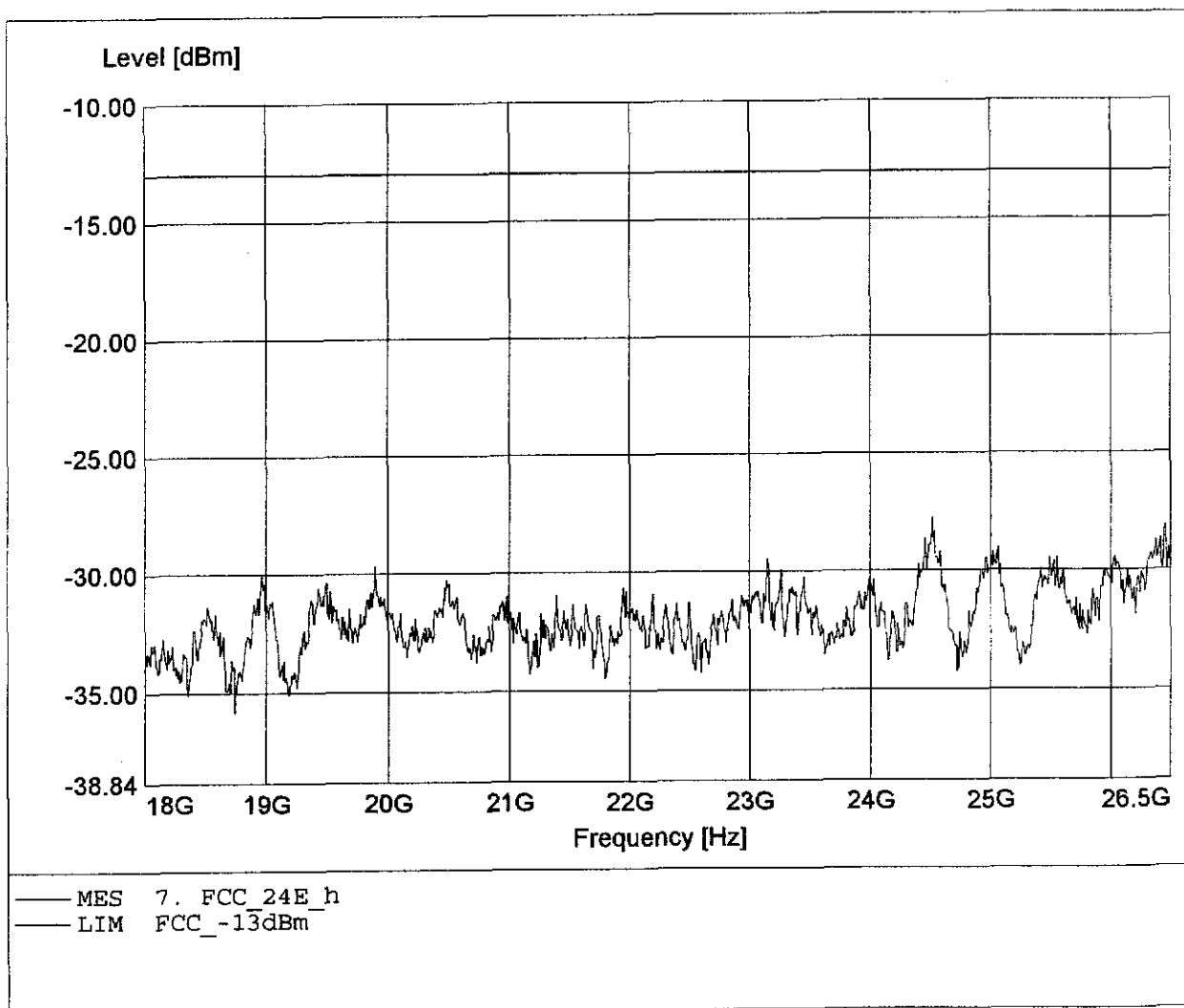
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.472GHz, Pmax: -27.22dBm, RBW: 1MHz



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

EUT / Model: GSM/GPRS EXTERNAL MODEM / M1213  
Approval Holder: WAVECOM INC.  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom 12 VDC  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.517GHz, Pmax: -27.79dBm, RBW: 1MHz





## Appendix F

Line Conducted Emissions

No test

## Appendix G

### Frequency Stability vs. Temperature

No diagrams  
Refer to point 10.2



## Appendix H

### Frequency Stability vs. Voltage

No diagrams

Refer to point 11.2