



## Appendix B

RF Power Output

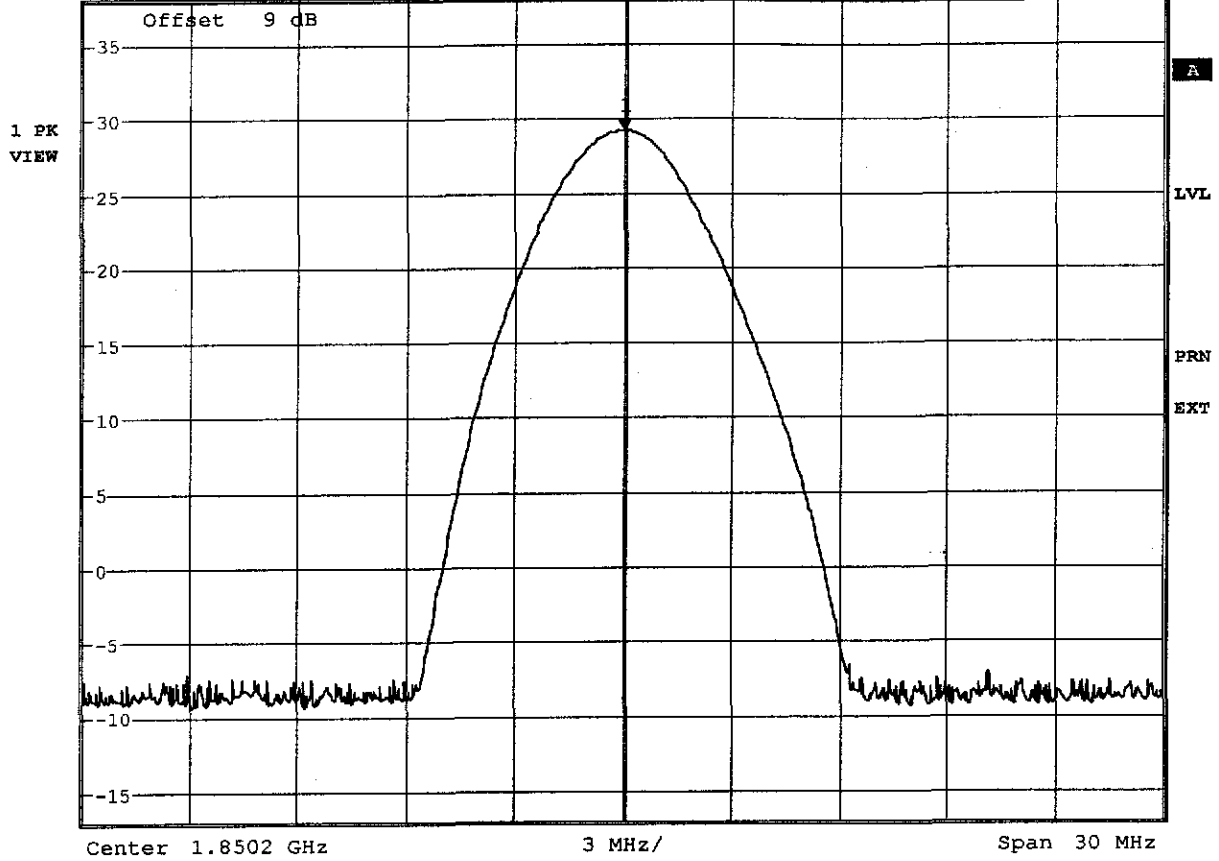


\*RBW 3 MHz    Marker 1 [T1 ]  
\*VBW 3 MHz    29.13 dBm  
SWT 2.5 ms    1.850200000 GHz

Ref 38 dBm

\*Att 60 dB

1.850200000 GHz



Comment A: Outputpower conducted Channel 512 Model: Telex 2  
Date: 19.NOV.2002 10:29:08

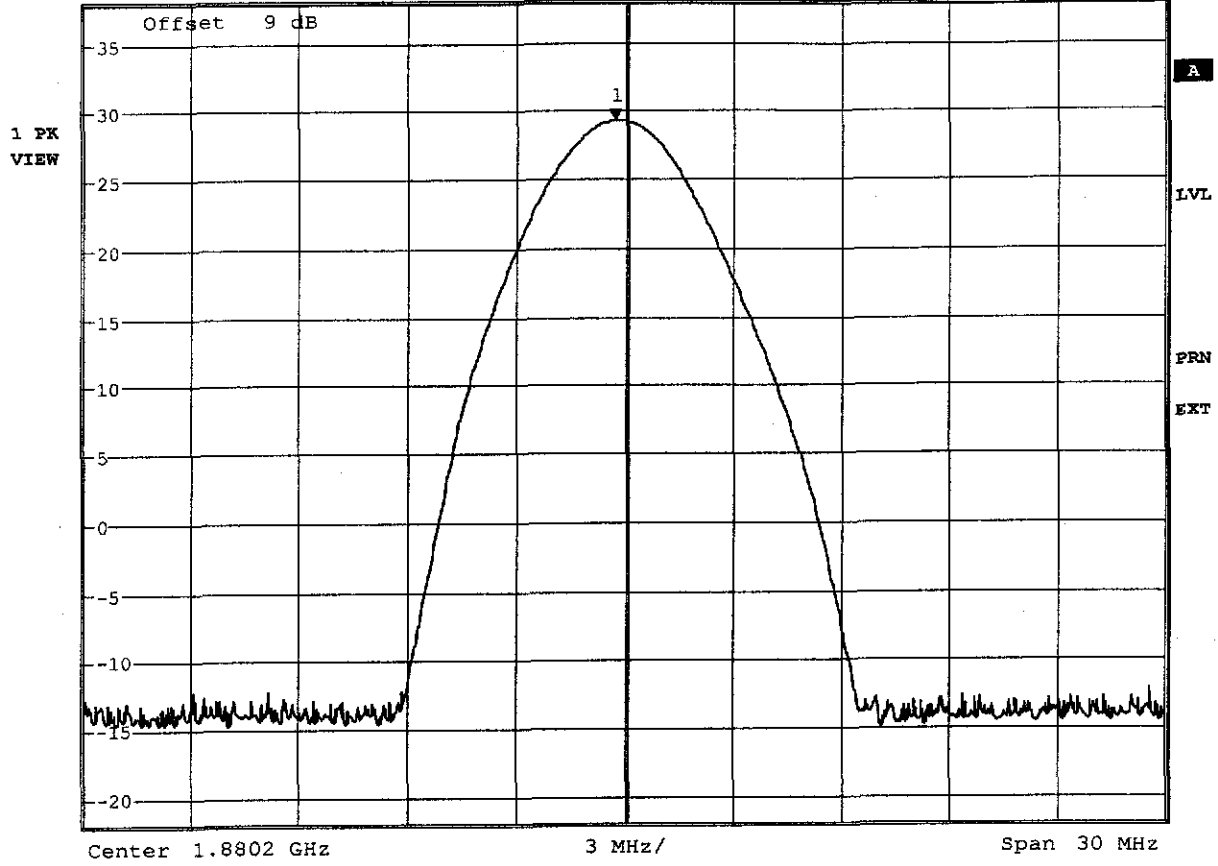


\*RBW 3 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      29.24 dBm  
SWT 2.5 ms      1.879911538 GHz

Ref 38 dBm

Att 55 dB

1.879911538 GHz



Comment A: Outputpower conducted Channel 661 Model: Telex 2  
Date: 19.NOV.2002 09:20:20

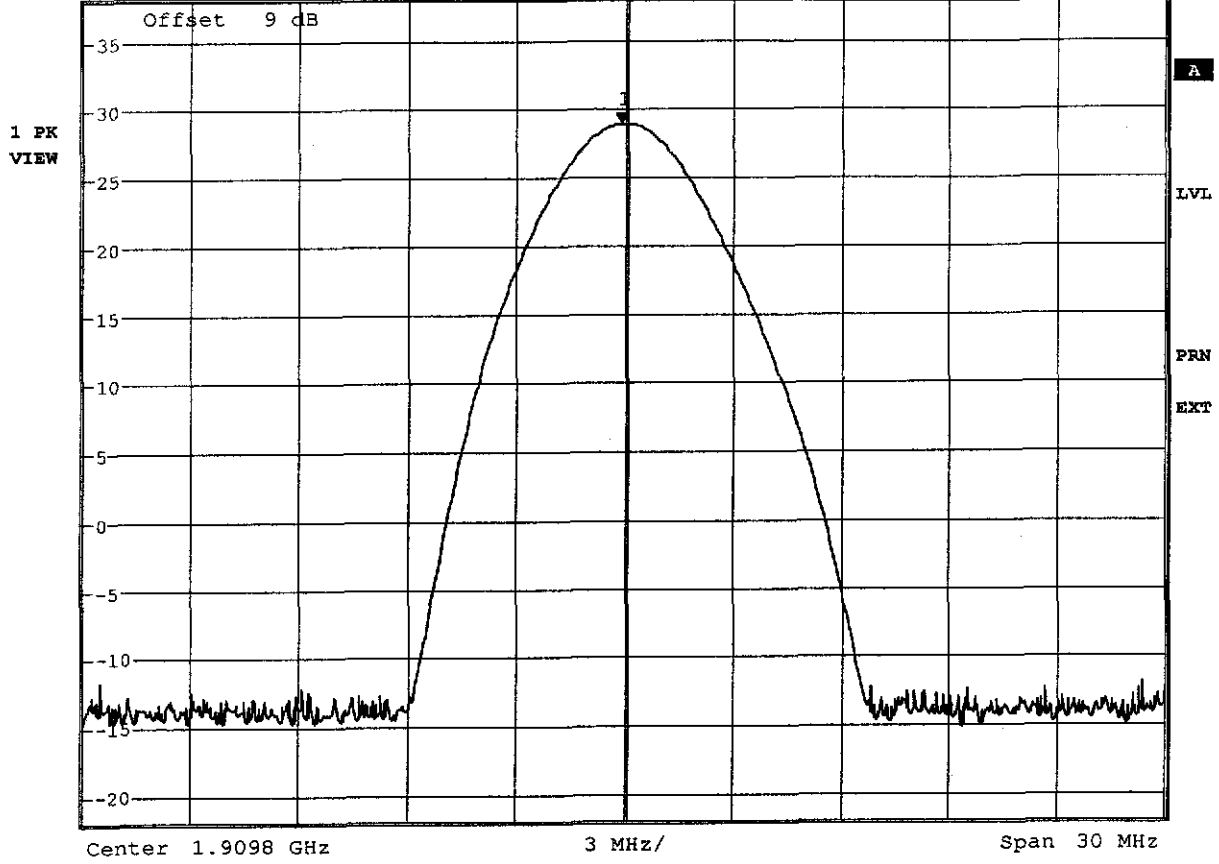


\*RBW 3 MHz    Marker 1 [T1 ]  
\*VBW 3 MHz    28.89 dBm  
SWT 2.5 ms    1.909703846 GHz

Ref 38 dBm

Att 55 dB

1.909703846 GHz



Comment A: Outputpower conducted Channel 810 Model: Telex 2  
Date: 19.NOV.2002 09:18:38

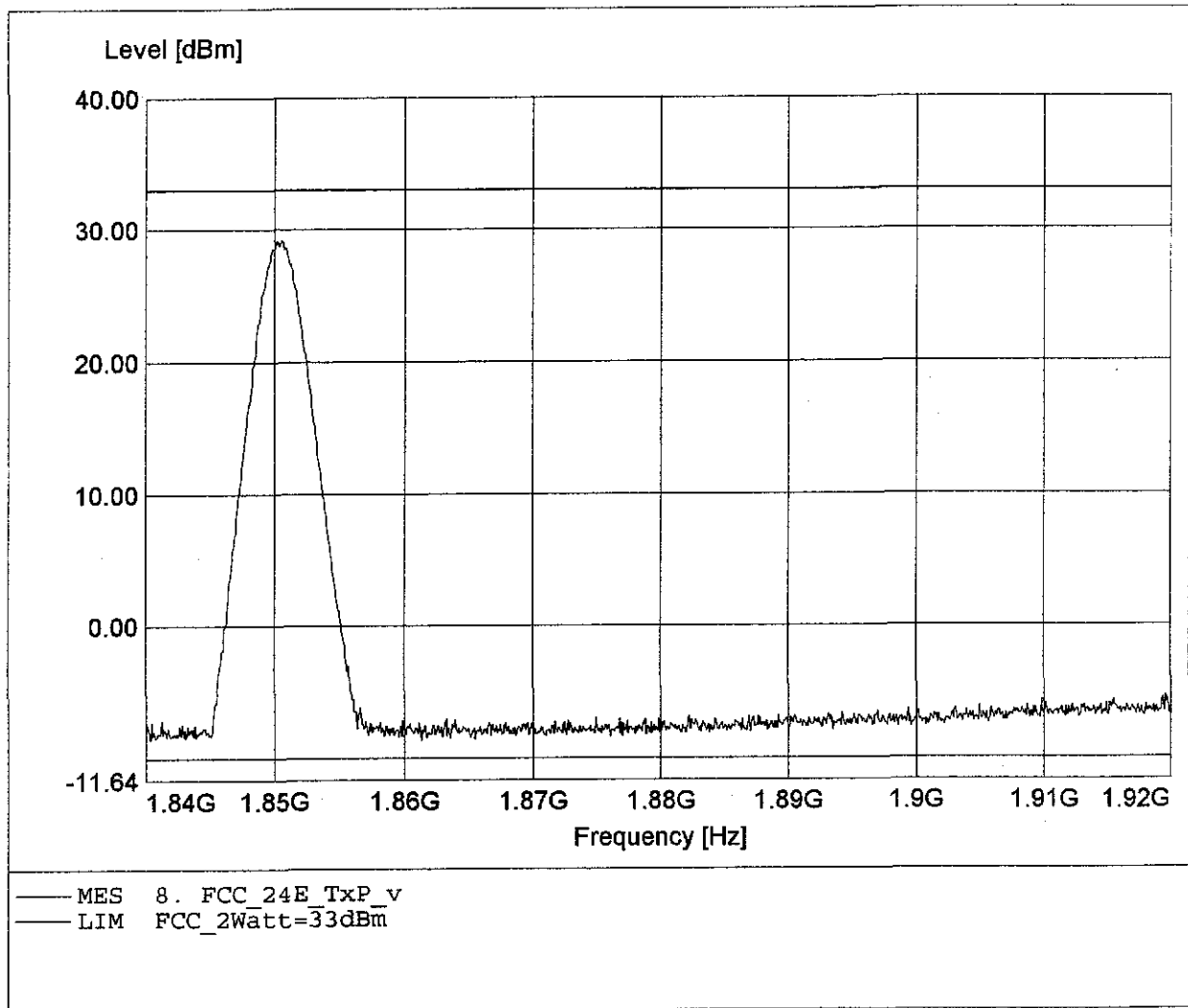


## Appendix C

Radiated Power

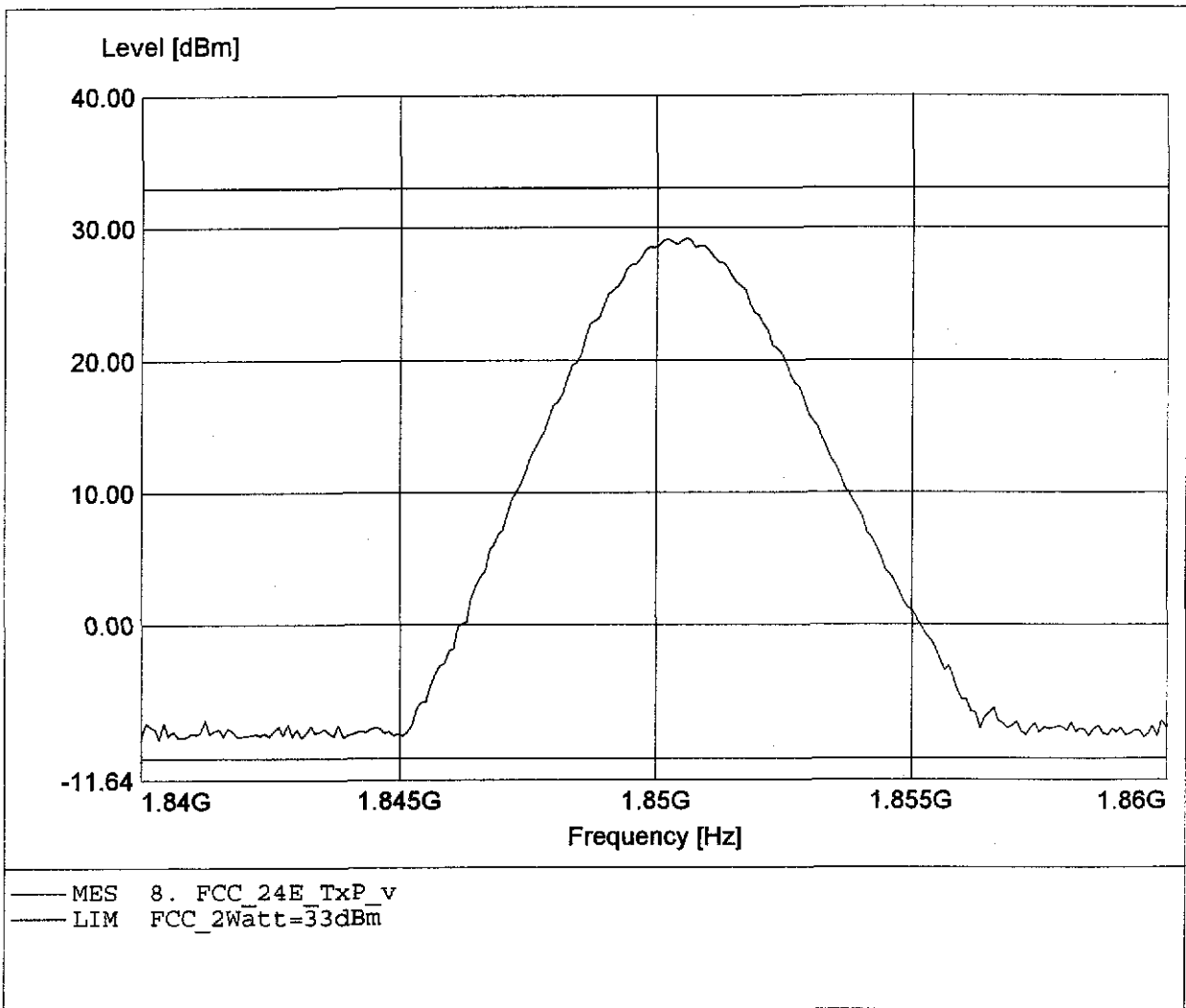
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.851GHz, Pmax: 29.15dBm, RBW: 3MHz



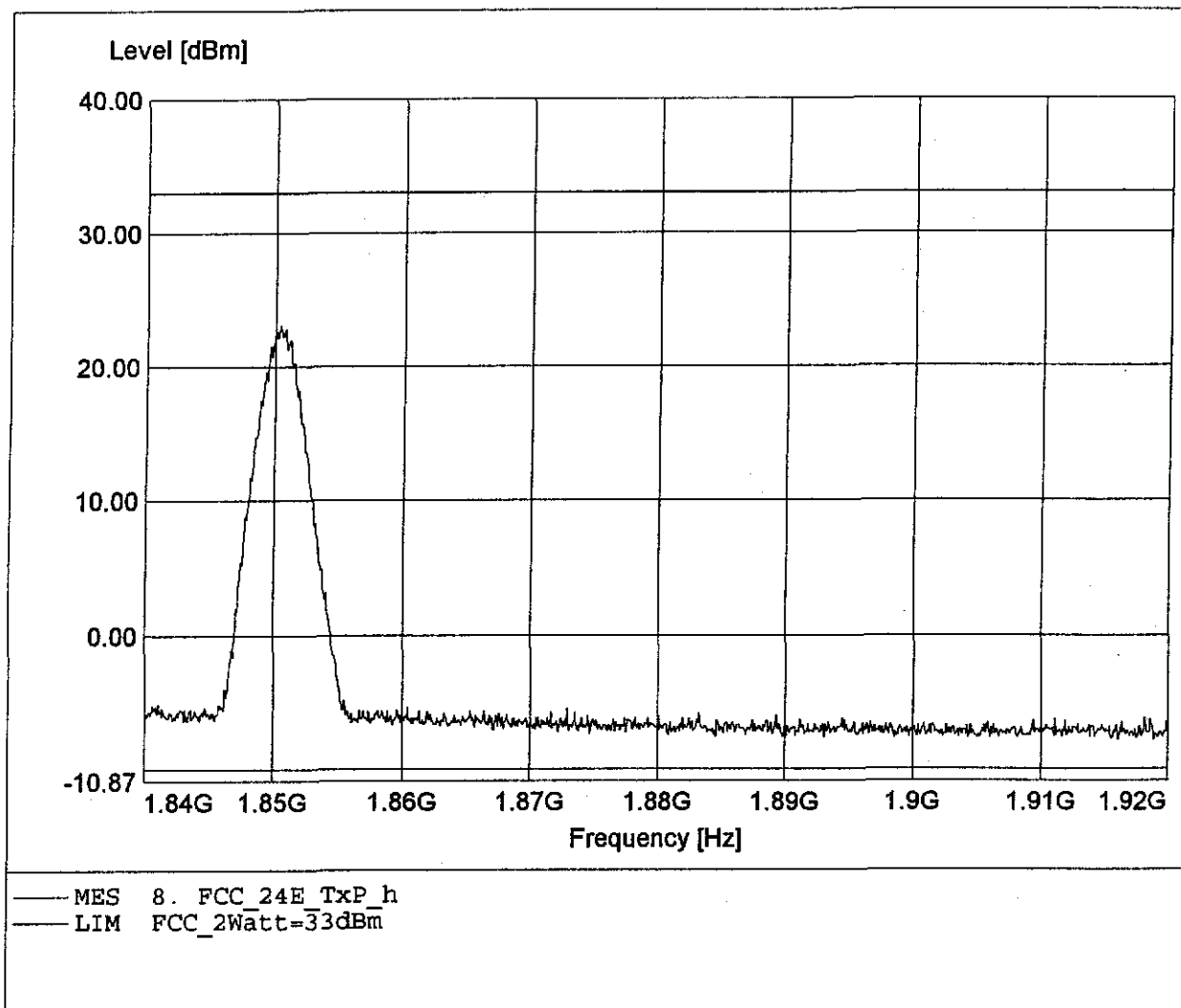
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.851GHz, Pmax: 29.15dBm, RBW: 3MHz



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

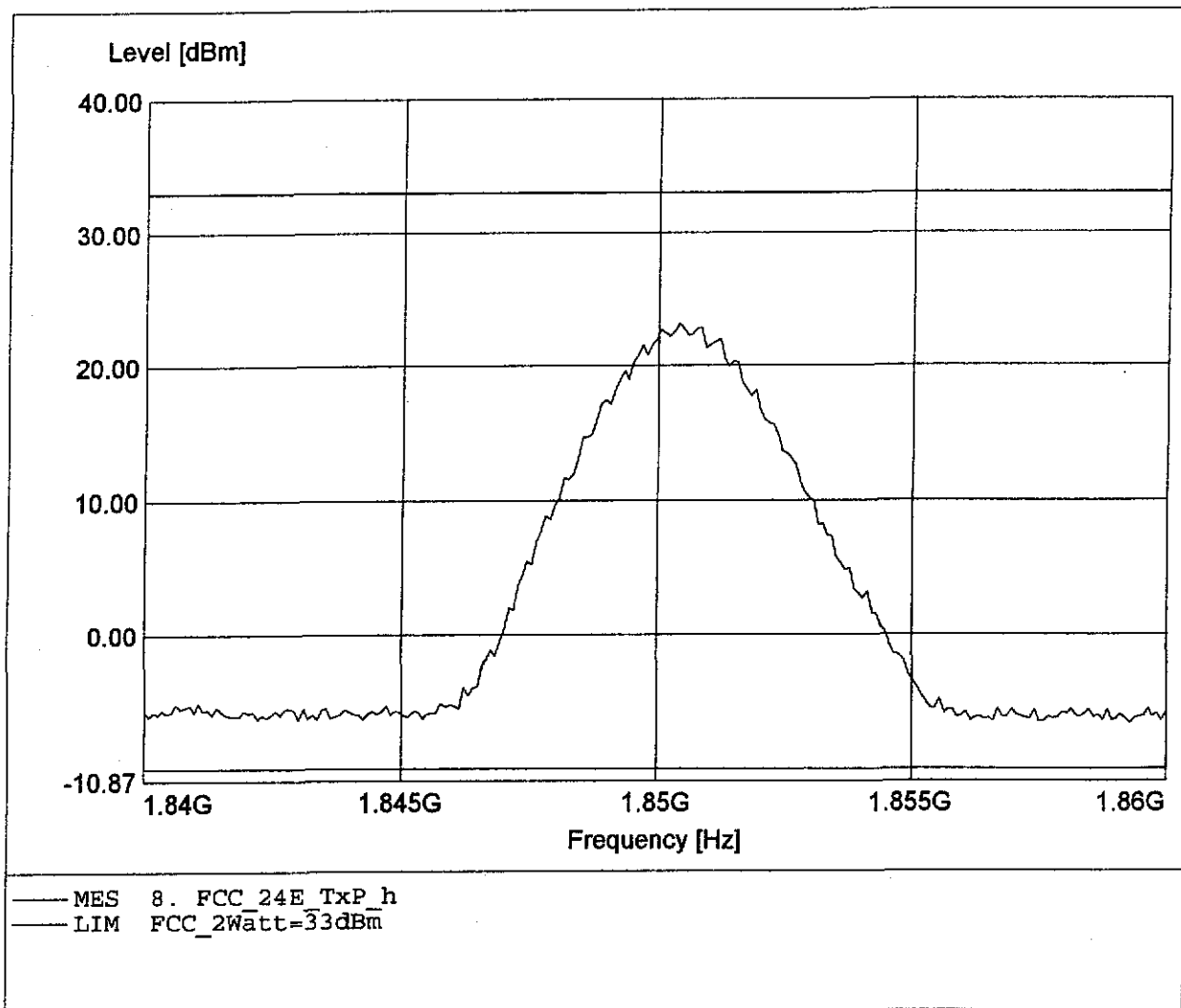
EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.850GHz, Pmax: 23.11dBm, RBW: 3MHz





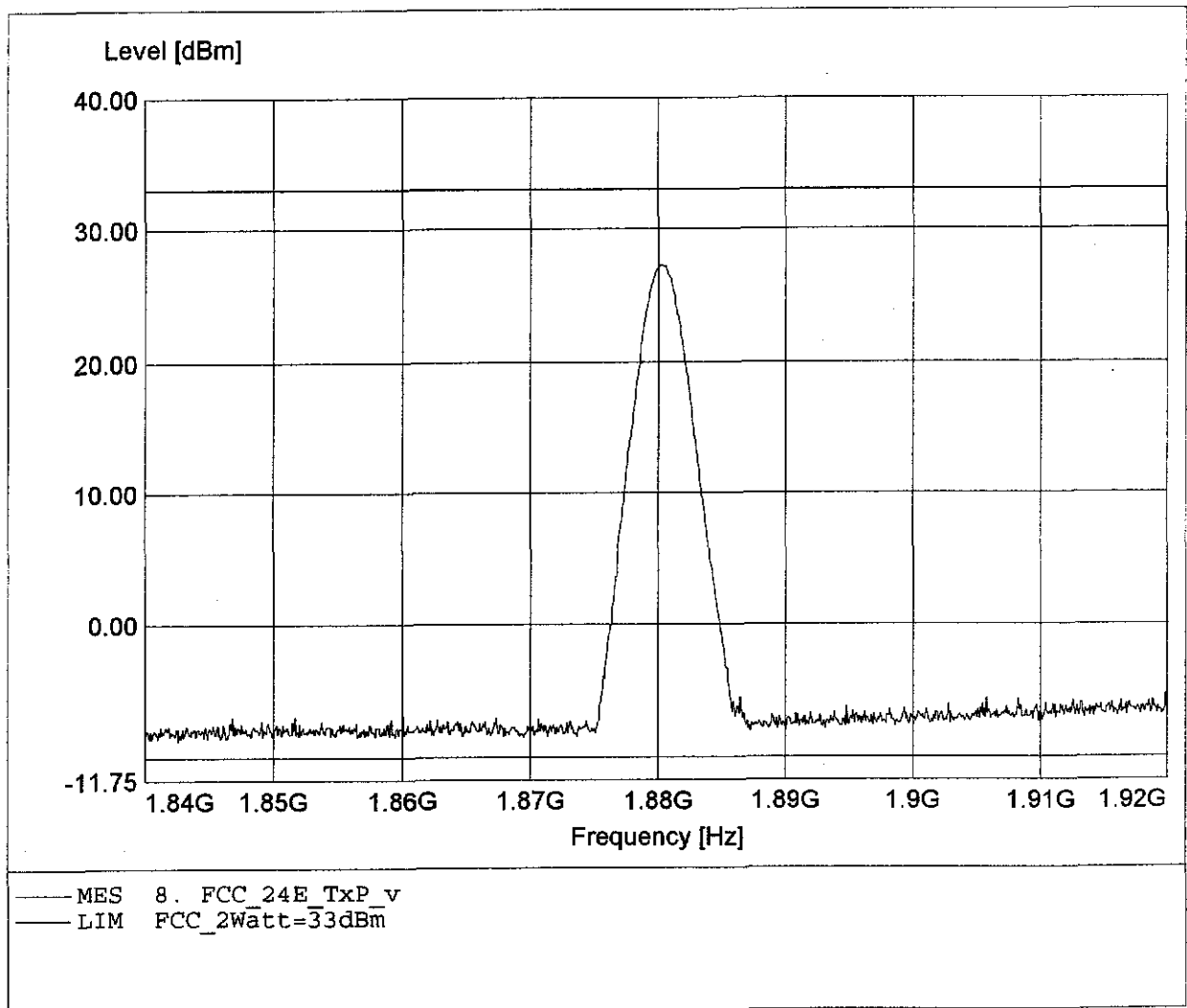
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.850GHz, Pmax: 23.11dBm, RBW: 3MHz



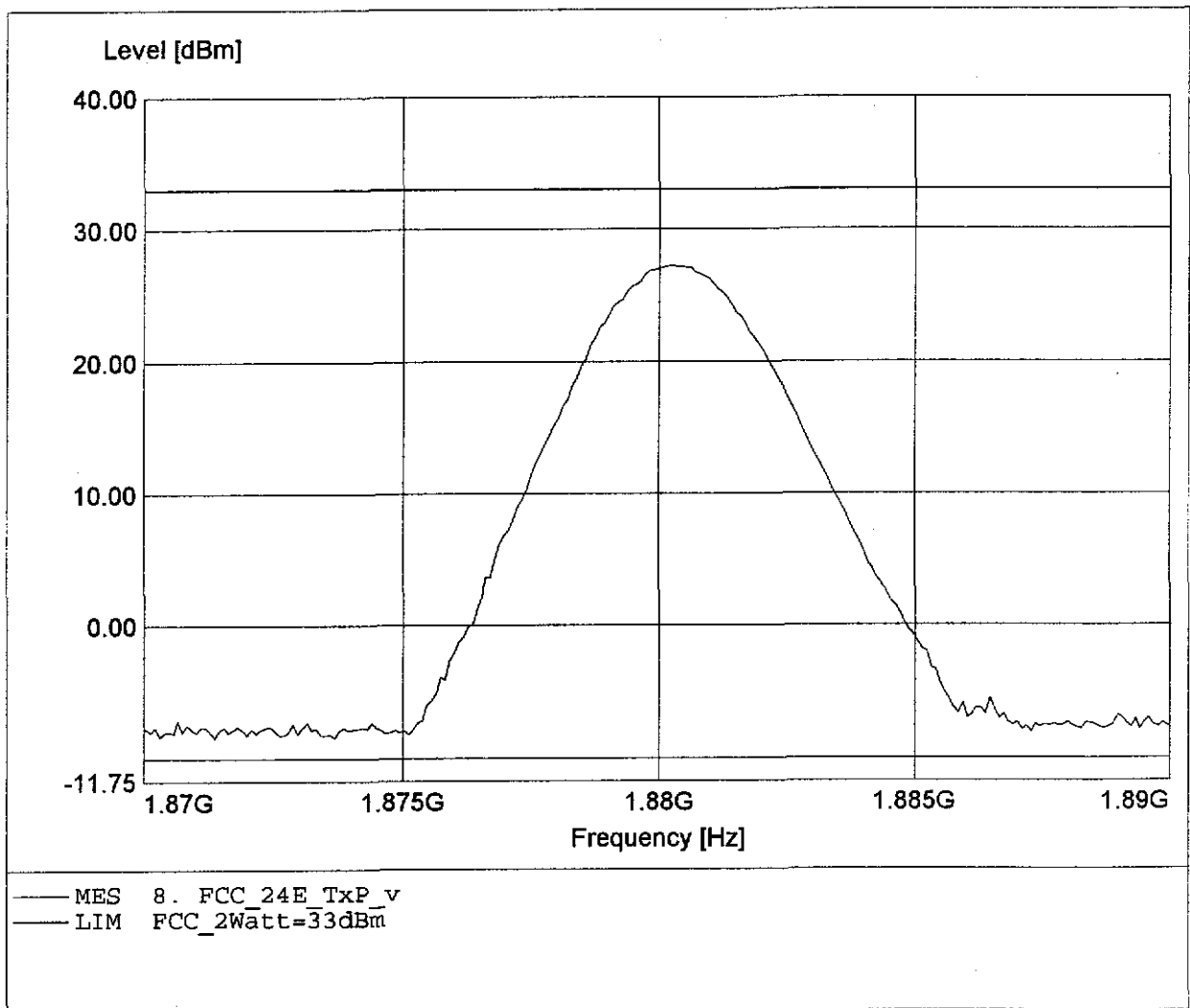
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.880GHz, Pmax: 27.28dBm, RBW: 3MHz



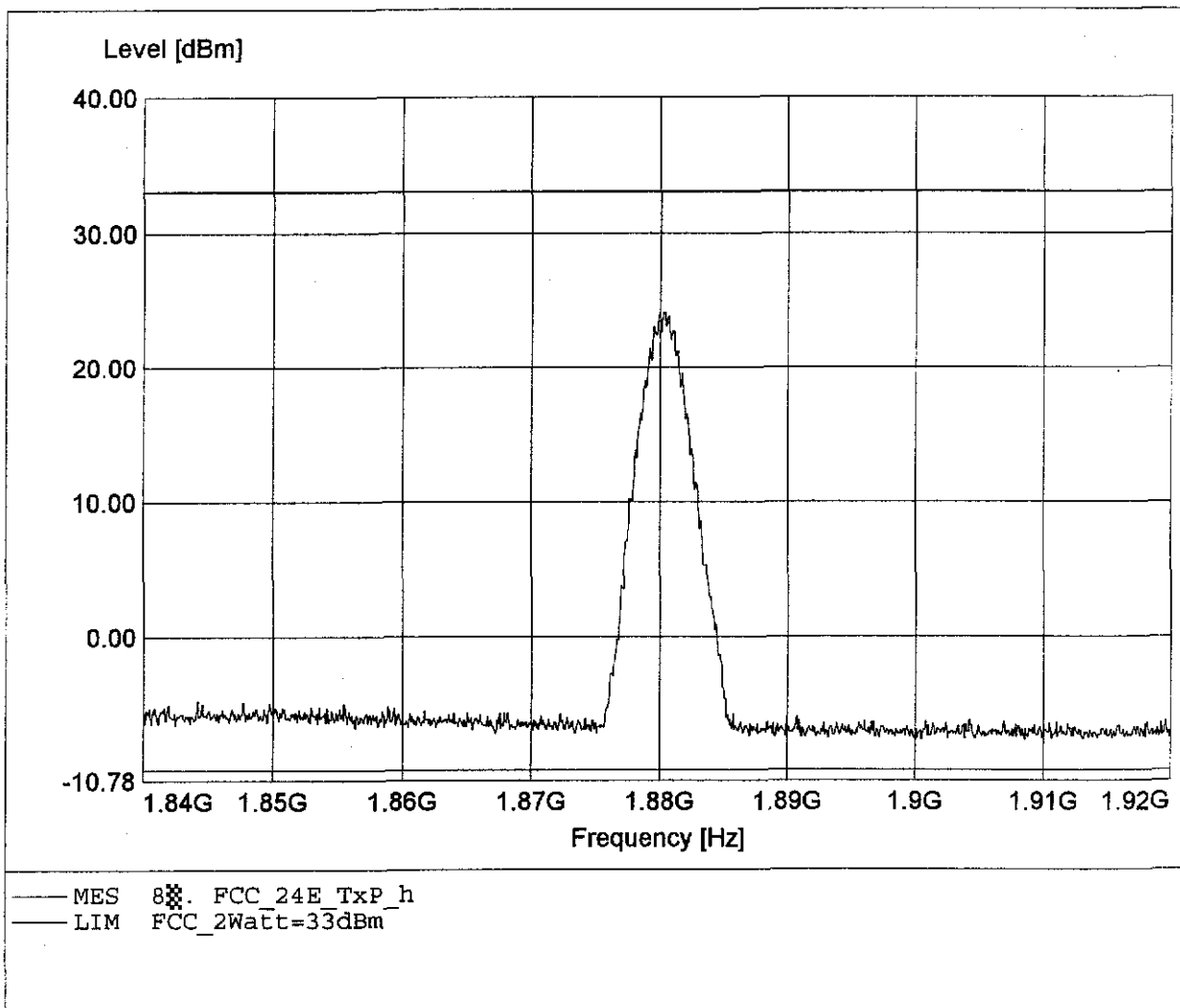
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.880GHz, Pmax: 27.28dBm, RBW: 3MHz



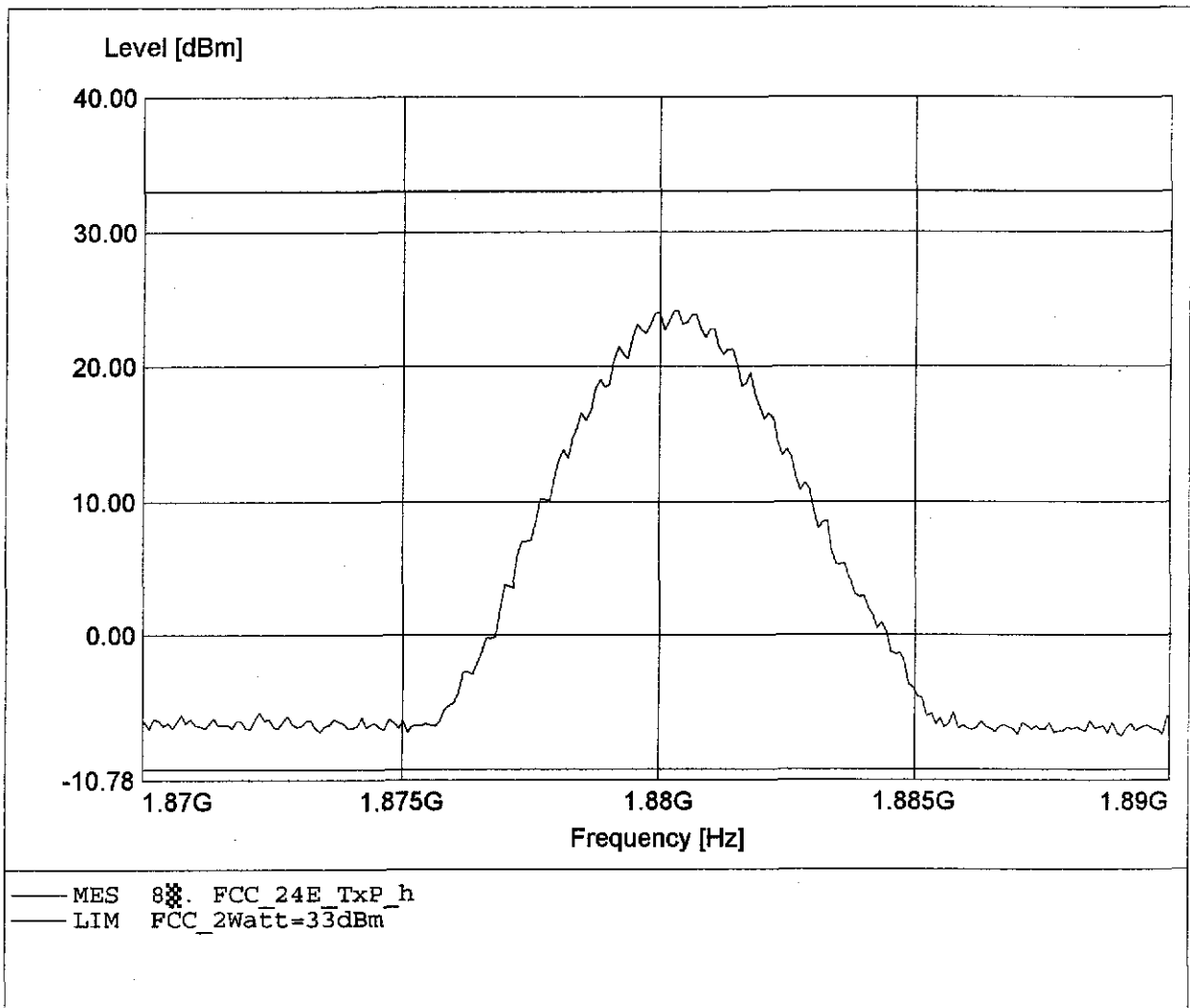
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.880GHz, Pmax: 24.09dBm, RBW: 3MHz



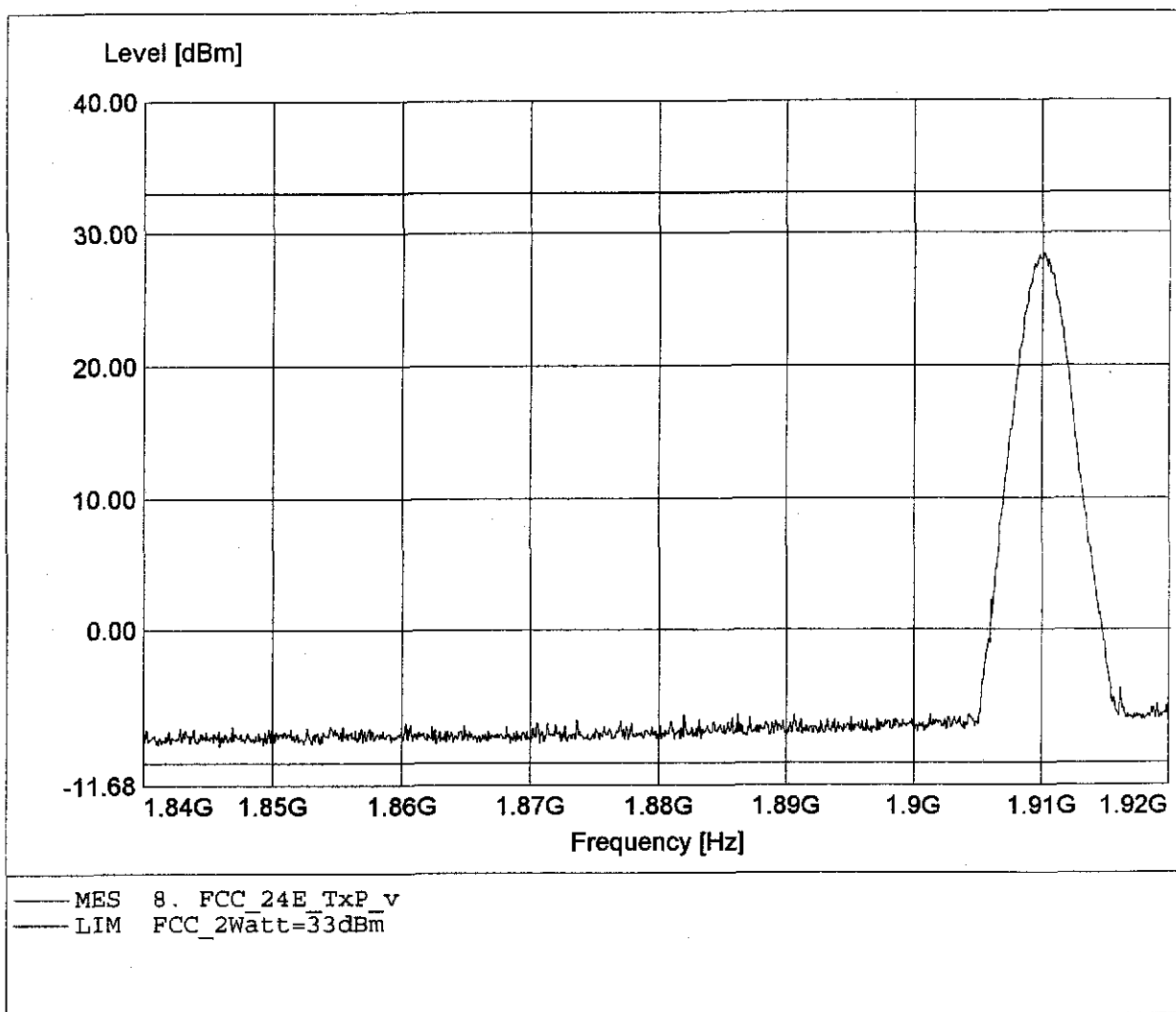
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.880GHz, Pmax: 24.09dBm, RBW: 3MHz



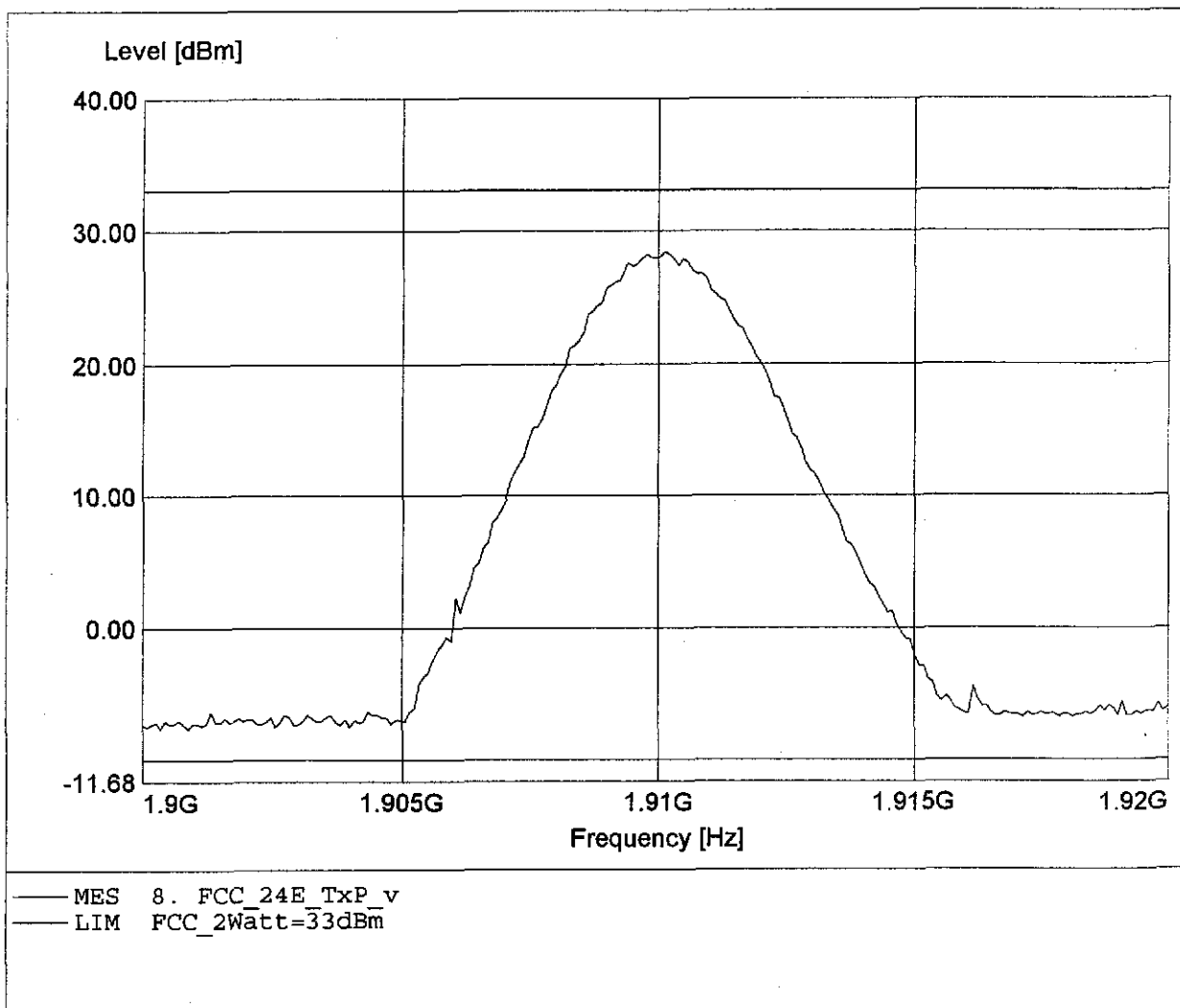
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.910GHz, Pmax: 28.42dBm, RBW: 3MHz



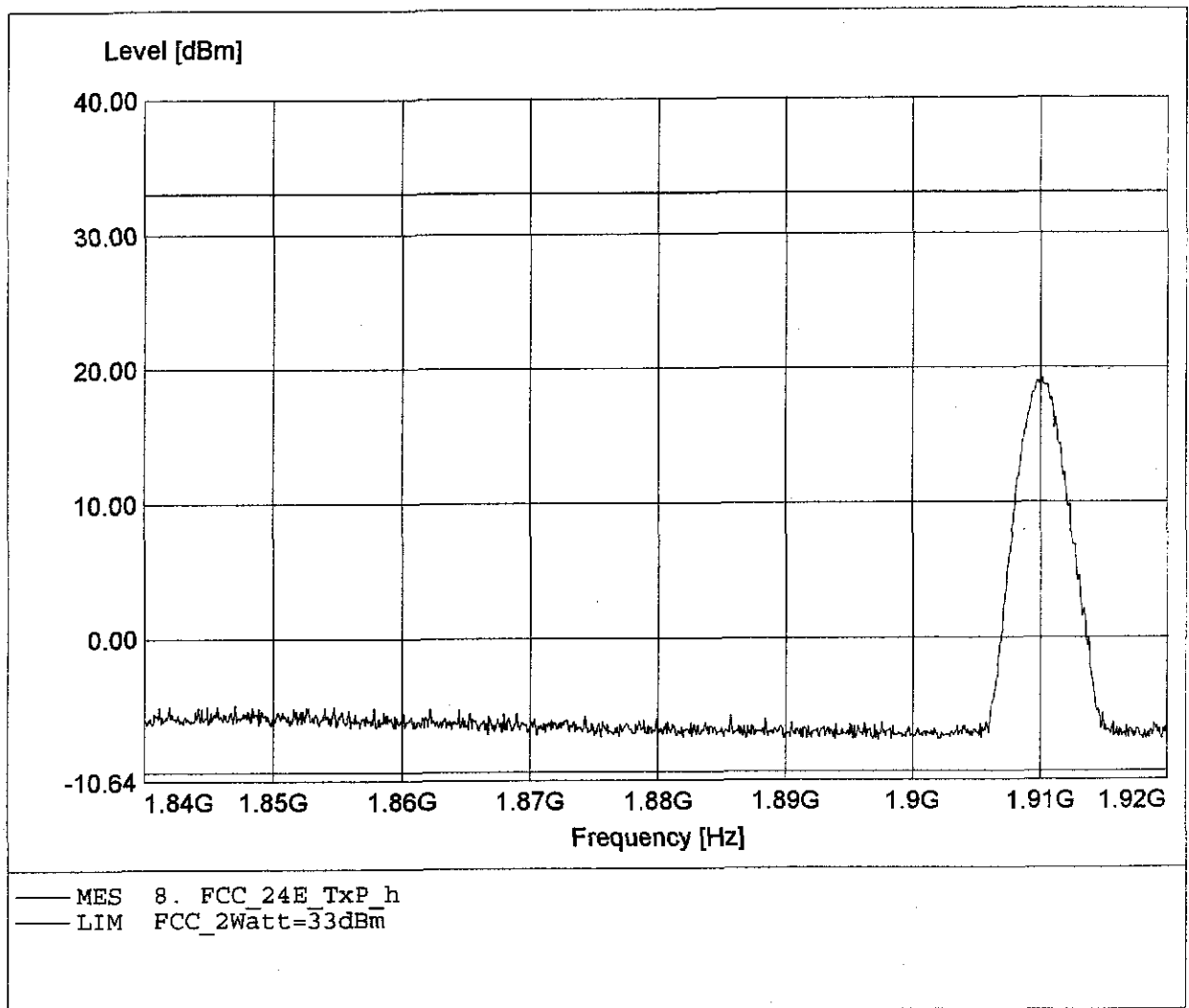
**Equivalent Isotropically Radiated Power  
FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.910GHz, Pmax: 28.42dBm, RBW: 3MHz



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

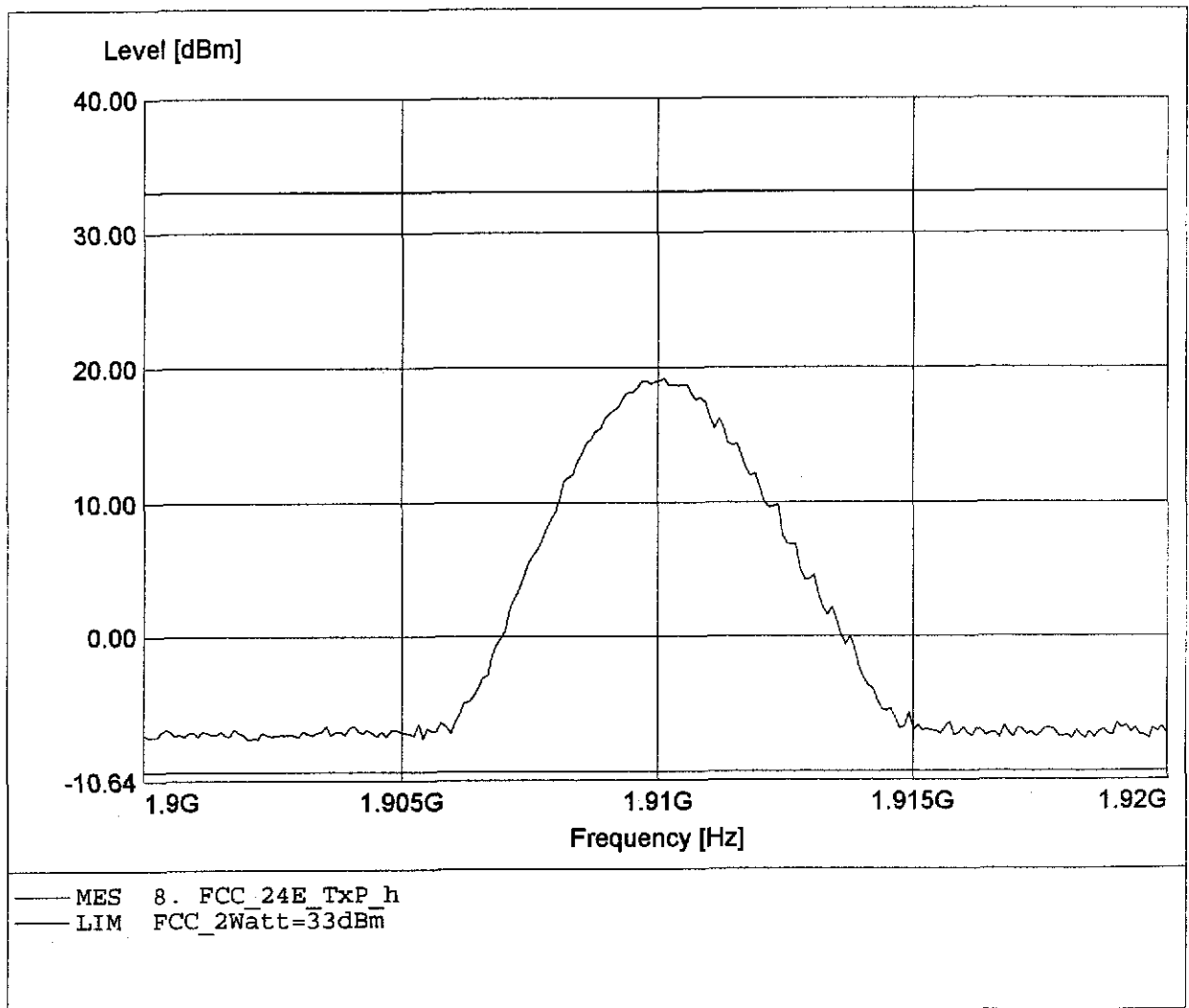
EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.910GHz, Pmax: 19.18dBm, RBW: 3MHz





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

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.232  
Comment 1: Dist.: 3m, Ant.: BBHA 2190D  
Comment 2: Freq: 1.910GHz, Pmax: 19.18dBm, RBW: 3MHz





## Appendix D

Occupied Bandwidth

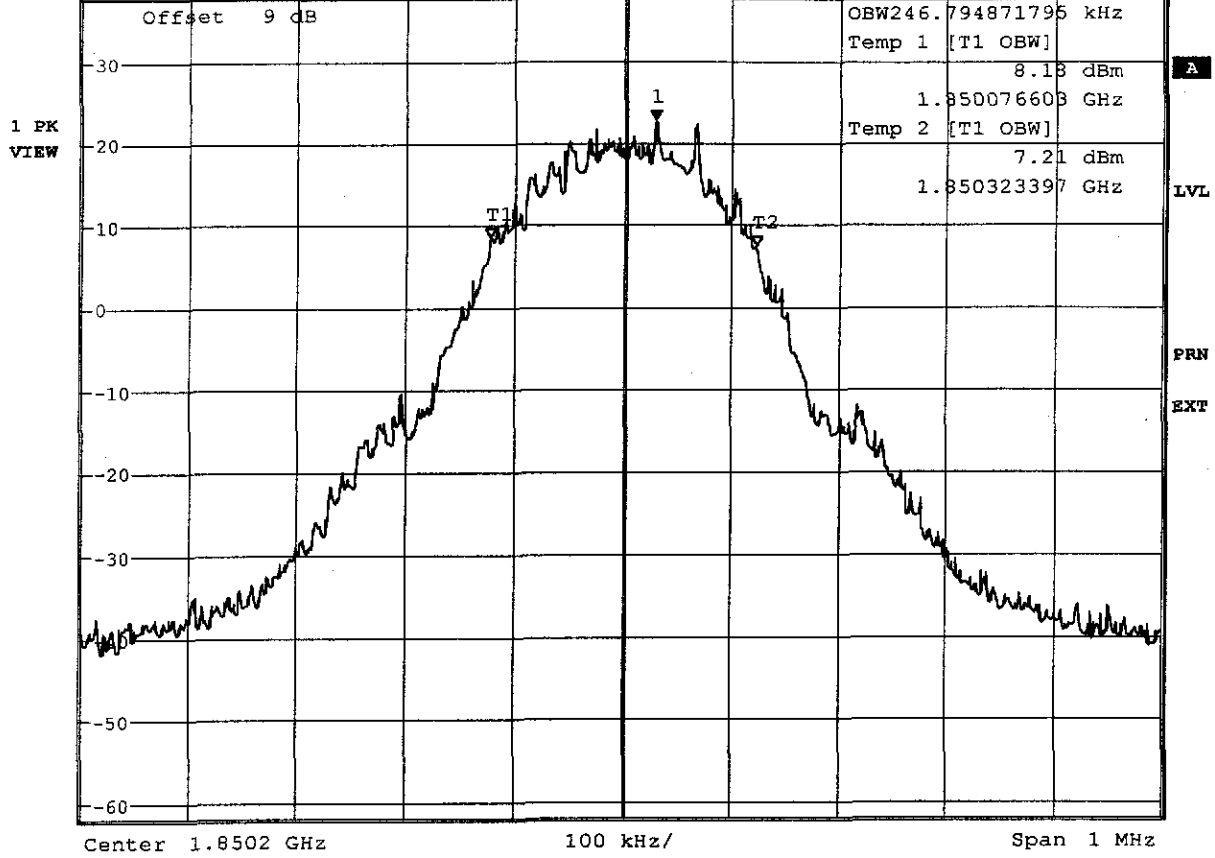


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      22.55 dBm  
SWT 190 ms      1.850228846 GHz

Ref 38 dBm

Att 55 dB

1.850228846 GHz



Comment A: Occupied Bandwidth Channel 512 Model: Telex 2  
Date: 19.NOV.2002 09:25:32



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      22.09 dBm  
SWT 190 ms      1.879985577 GHz

Ref 38 dBm

Att 55 dB

SWT 190 ms

1.879985577 GHz

Offset 9 dB

OBW245.192307692 kHz

Temp 1 [T1 OBW]

5.25 dBm

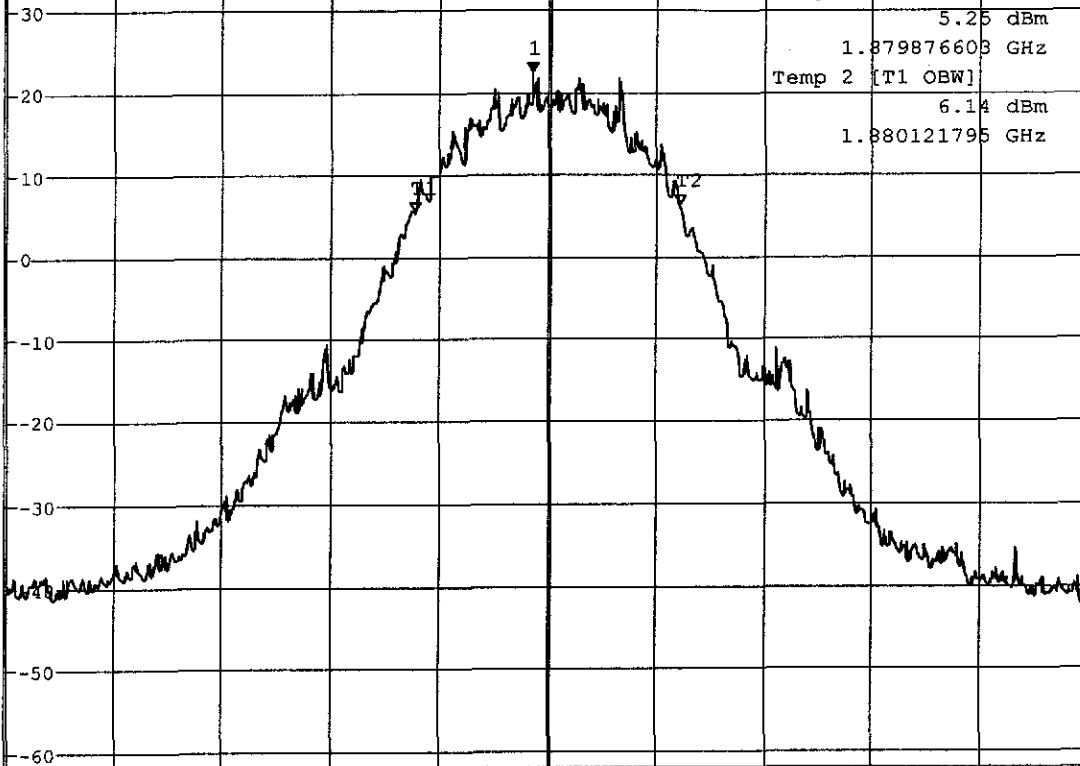
1.879876609 GHz

Temp 2 [T1 OBW]

6.14 dBm

1.880121795 GHz

1 PK  
VIEW



Center 1.88 GHz

100 kHz/

Span 1 MHz

Comment A: Occupied Bandwidth Channel 661 Model: Telex 2  
Date: 19.NOV.2002 09:33:05



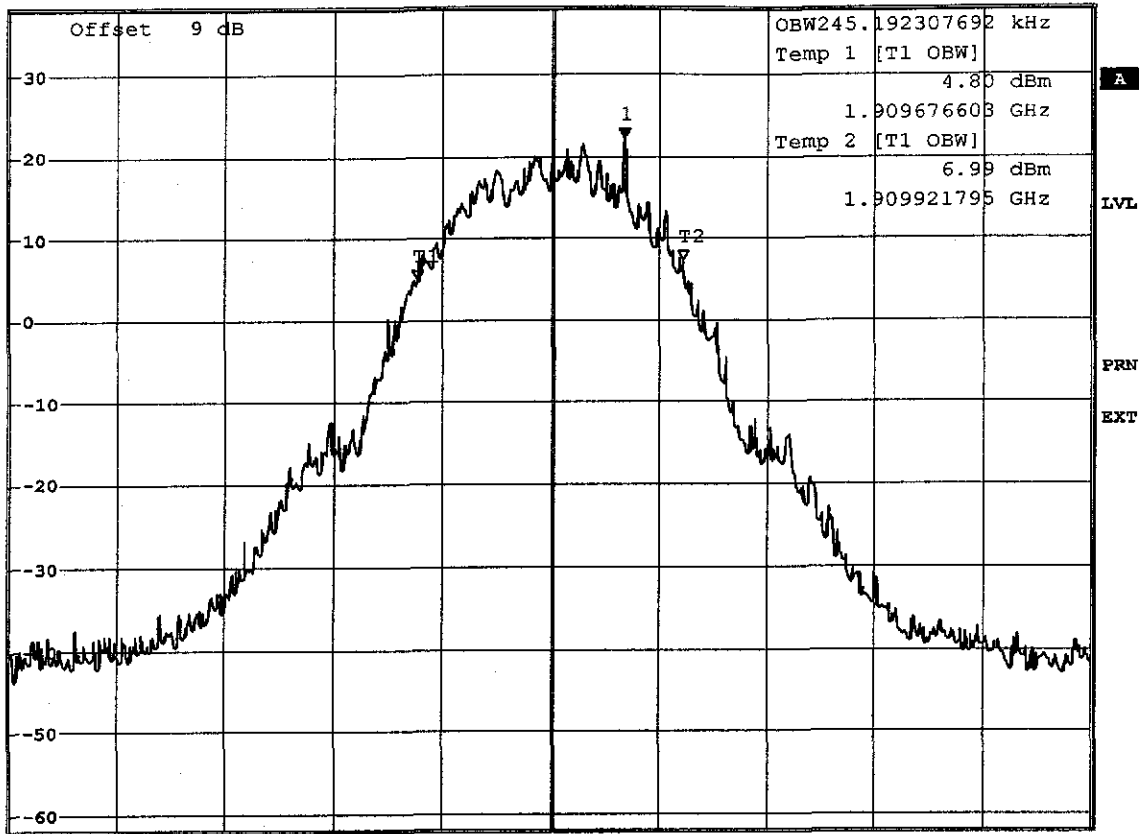
\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      21.96 dBm  
SWT 190 ms      1.909867308 GHz

Ref 38 dBm

Att 55 dB

1.909867308 GHz

1 PK  
VIEW



Center 1.9098 GHz

100 kHz/

Span 1 MHz

Comment A: Occupied Bandwidth Channel 810 Model: Telex 2  
Date: 19.NOV.2002 09:38:37



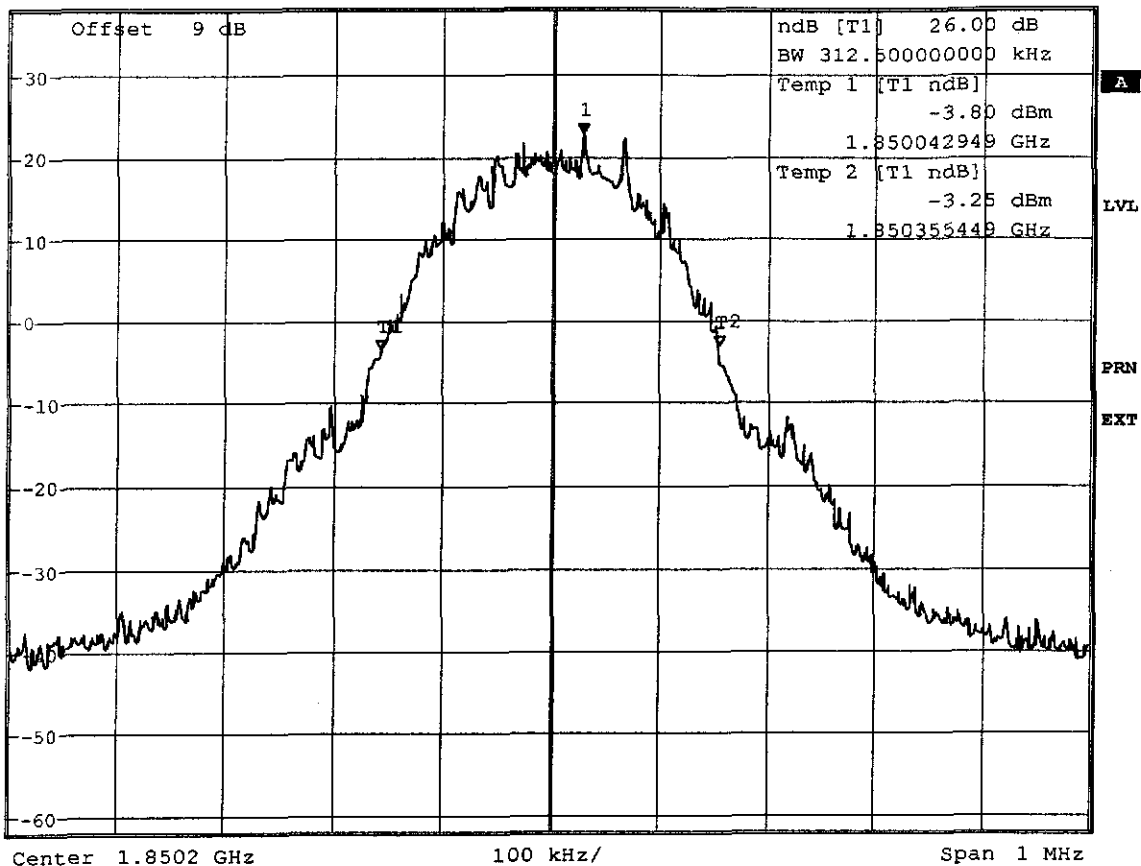
\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      22.55 dBm  
SWT 190 ms      1.850228846 GHz

Ref 38 dBm

Att 55 dB

1.850228846 GHz

1 PK  
VIEW



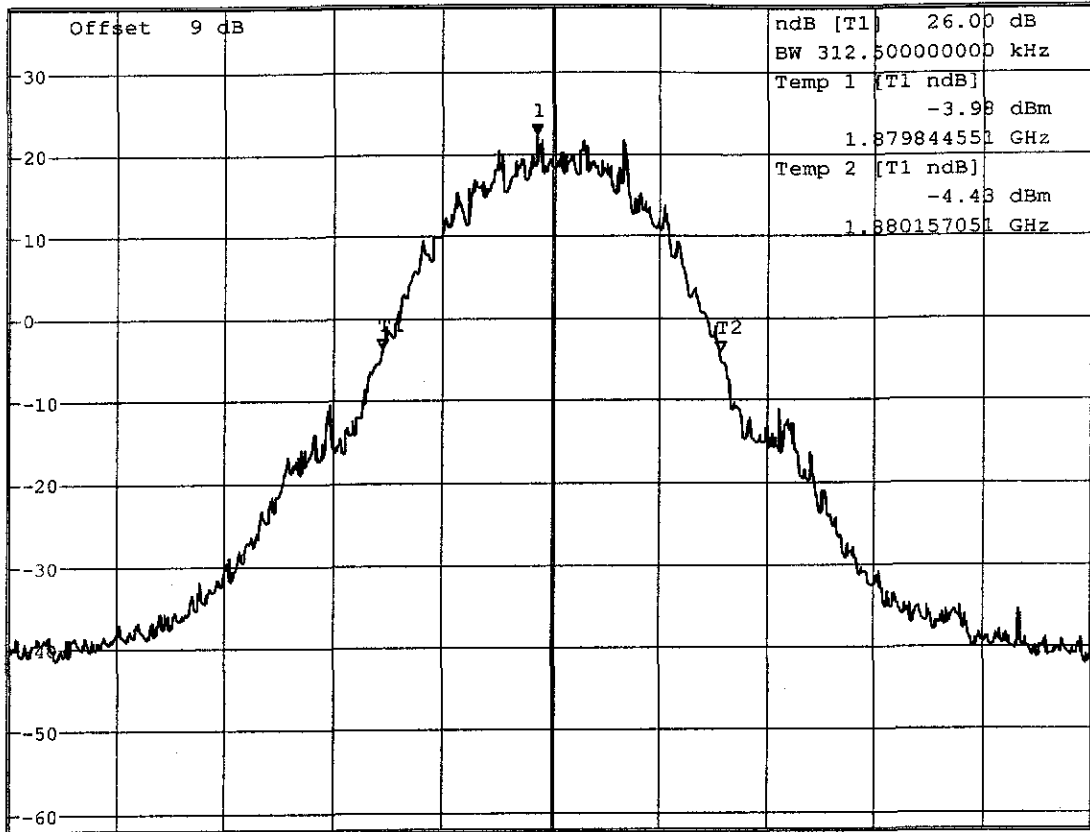
Comment A: -26dBc Bandwidth Channel 512 Model: Telex 2  
Date: 19.NOV.2002 09:27:57



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      22.09 dBm  
SWT 190 ms      1.879985577 GHz

Ref 38 dBm      Att 55 dB

1 PK  
VIEW



Center 1.88 GHz      100 kHz/      Span 1 MHz

Comment A: -26dBc Bandwidth Channel 661 Model: Telex 2  
Date: 19.NOV.2002 09:31:40



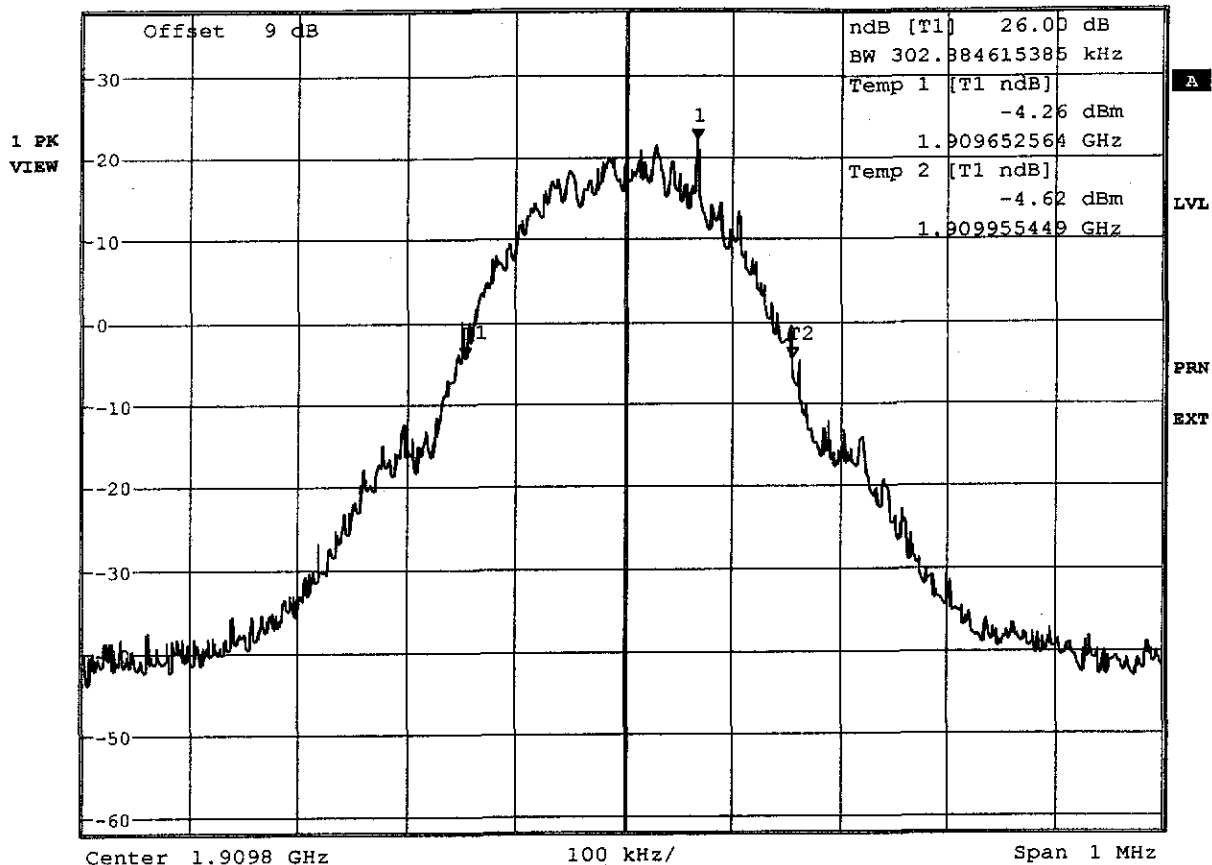
\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      21.96 dBm  
SWT 190 ms      1.909867308 GHz

Ref 38 dBm

Att 55 dB

SWT 190 ms

1.909867308 GHz



Comment A: -26dBc Bandwidth Channel 810 Model: Telex 2  
Date: 19.NOV.2002 09:40:29





## Appendix E

Field Strength of Spurious Radiation

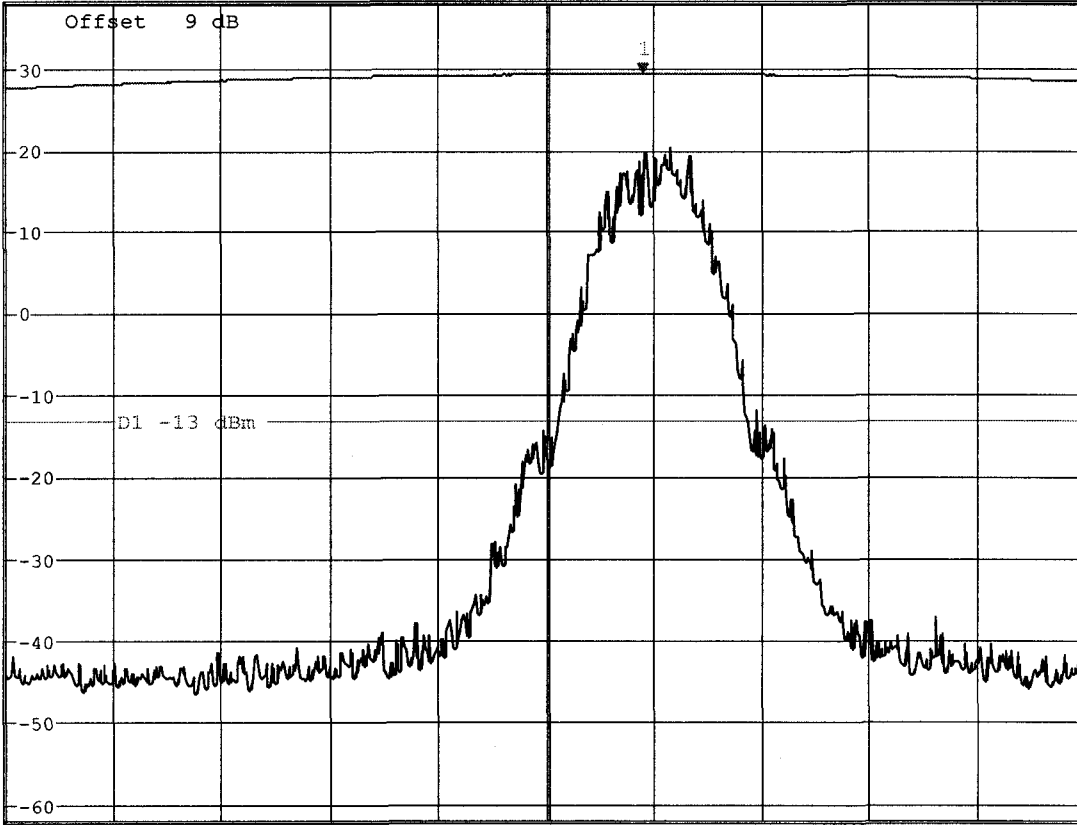


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      29.25 dBm  
SWT 225 ms      1.850179451 GHz

Ref 38 dBm

Att 55 dB

1 PK  
VIEW  
2 PK  
VIEW



Center 1.849999964 GHz

200 kHz/

Span 2 MHz

Comment A: Lower Band Edge Model: Telex 2  
Date: 19.NOV.2002 09:56:32

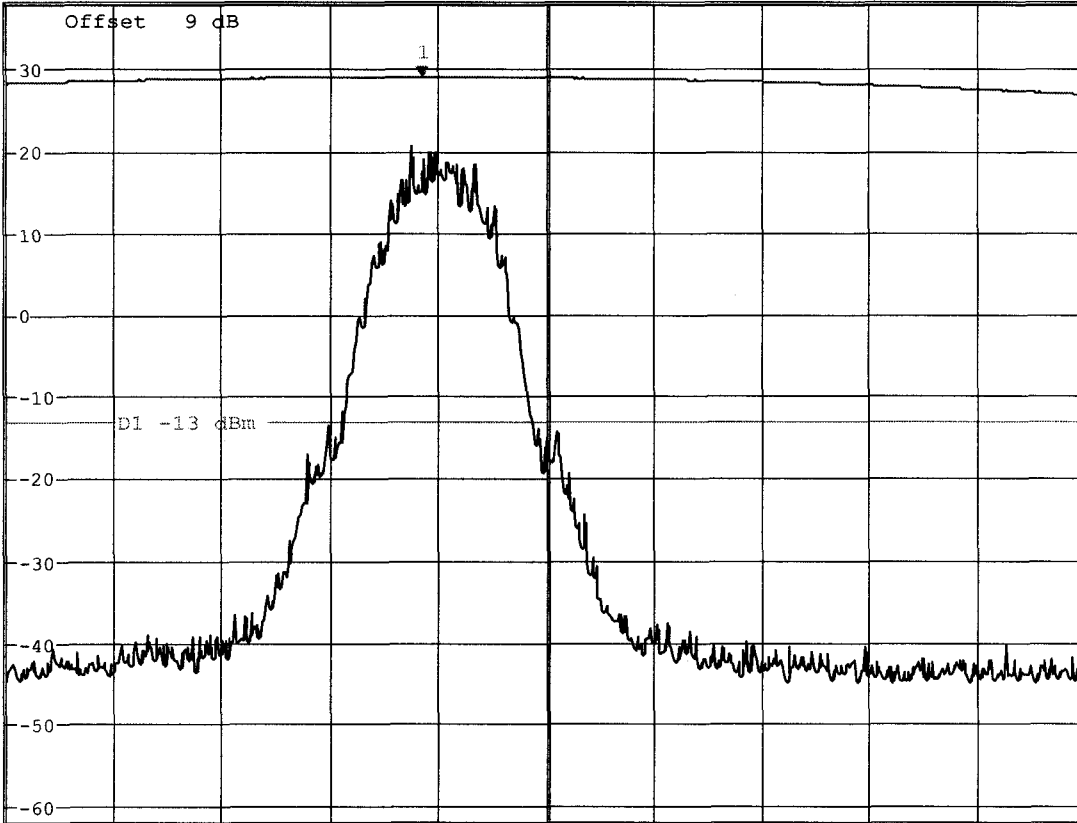


\*RBW 3 kHz    Marker 1 [T1 ]  
\*VBW 3 kHz    28.86 dBm  
SWT 225 ms    1.909769231 GHz

Ref 38 dBm

Att 55 dB

1 PK  
VIEW  
2 PK  
VIEW



LVL  
PRN  
EXT

Center 1.91 GHz

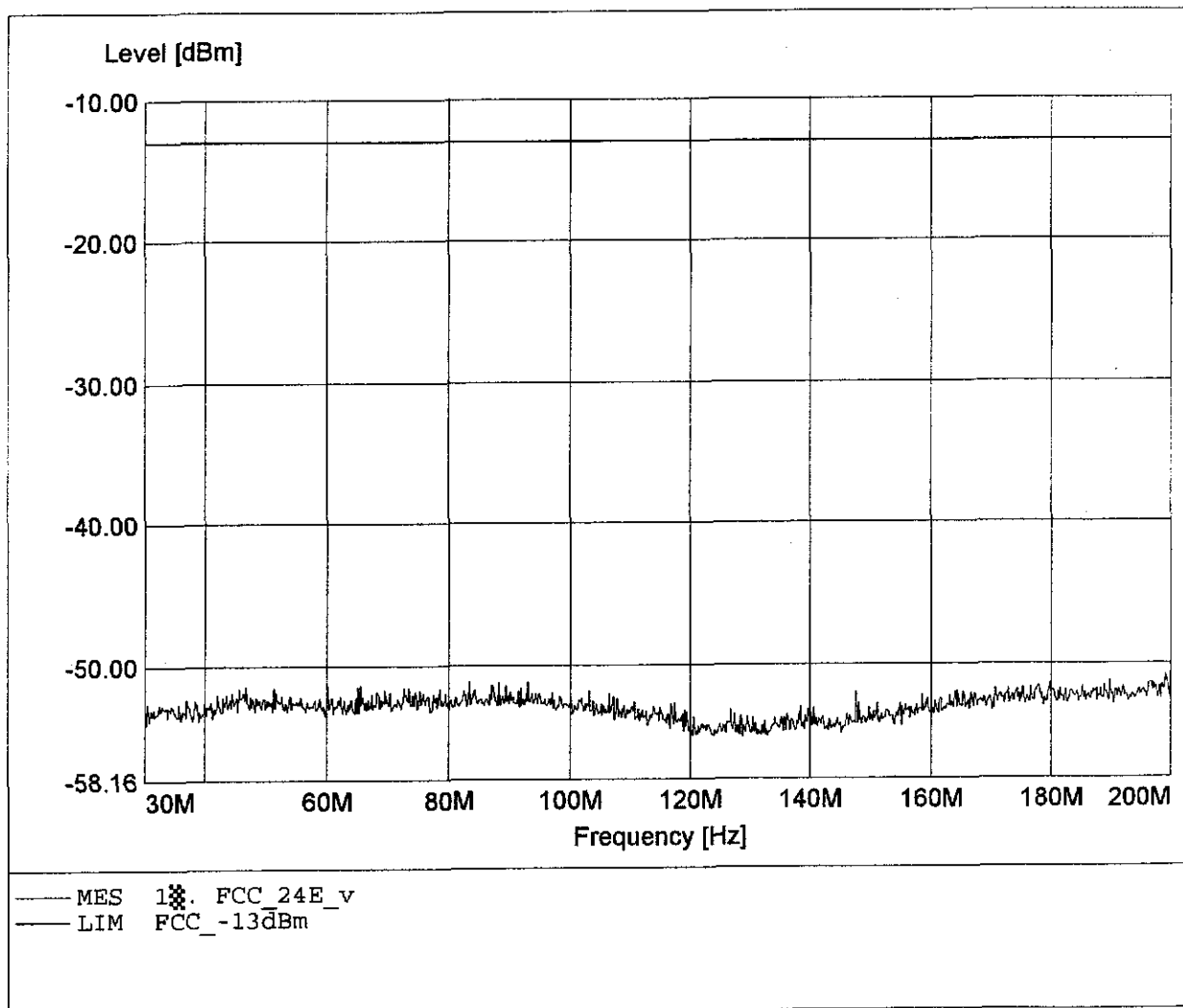
200 kHz/

Span 2 MHz

Comment A: Higher Band Edge Model: Telex 2  
Date: 19.NOV.2002 10:00:37

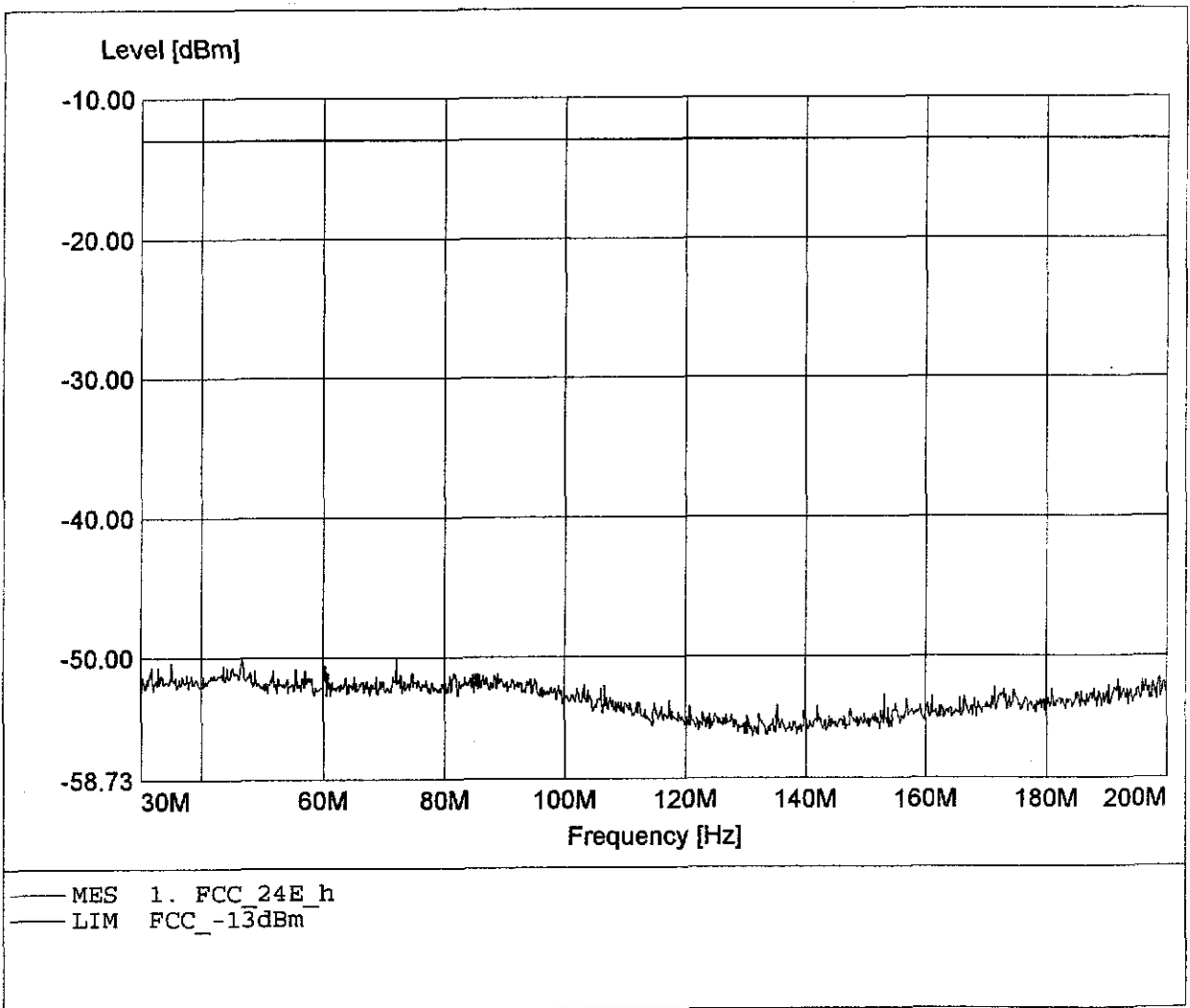
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 199.244MHz, Pmax: -50.82dBm, RBW: 1MHz



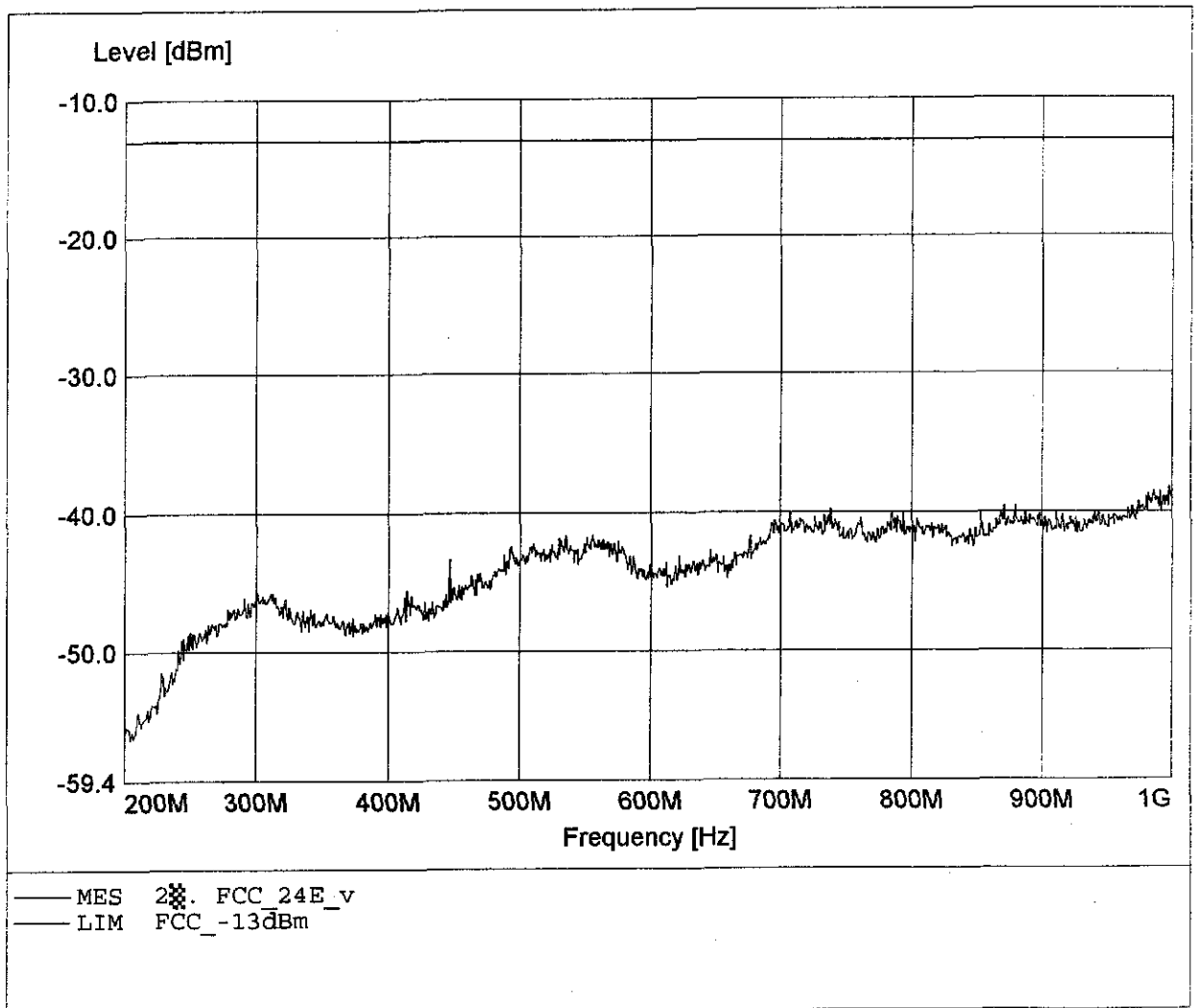
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 46.811MHz, Pmax: -49.95dBm, RBW: 1MHz



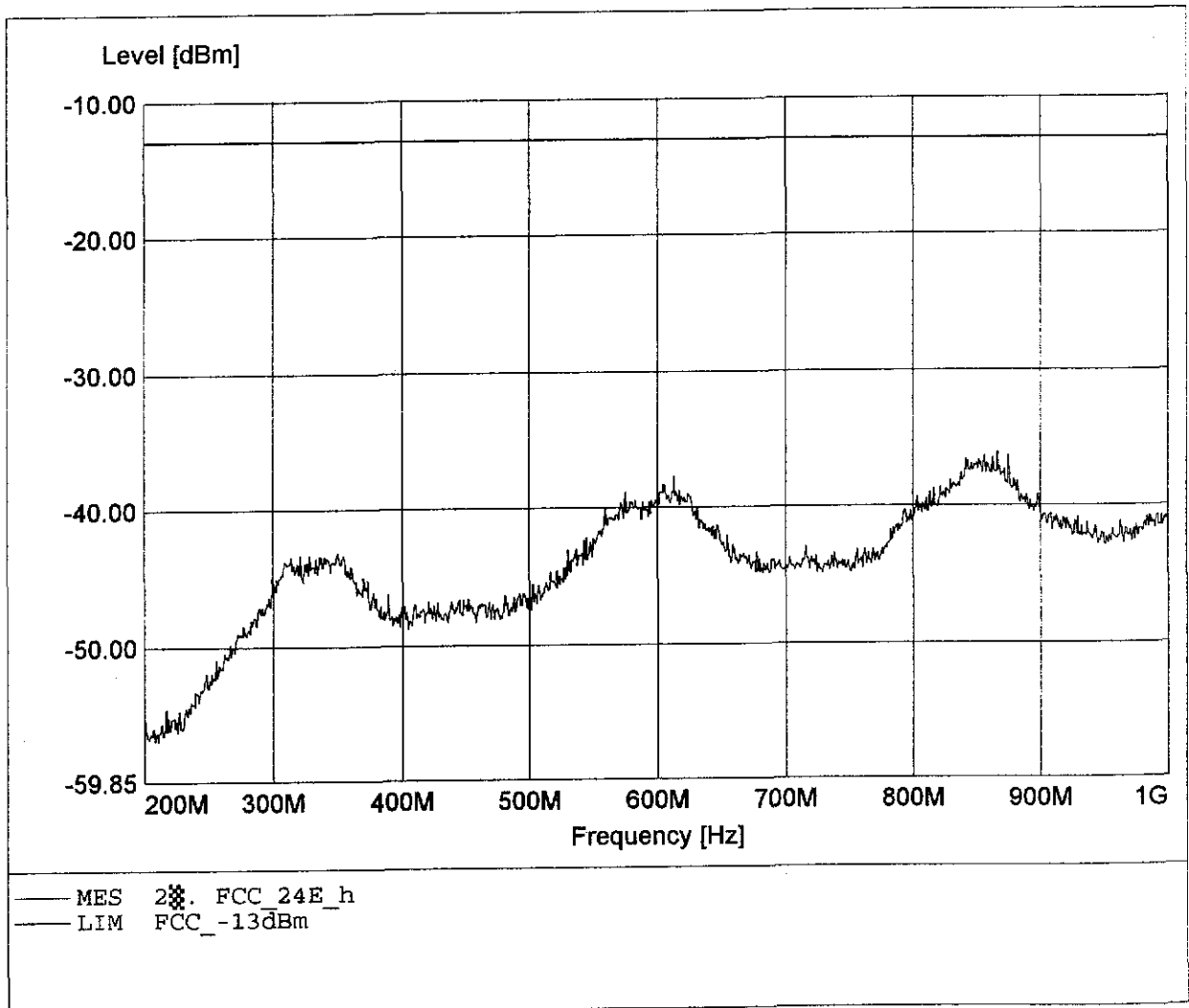
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 998.222MHz, Pmax: -38.16dBm, RBW: 1MHz



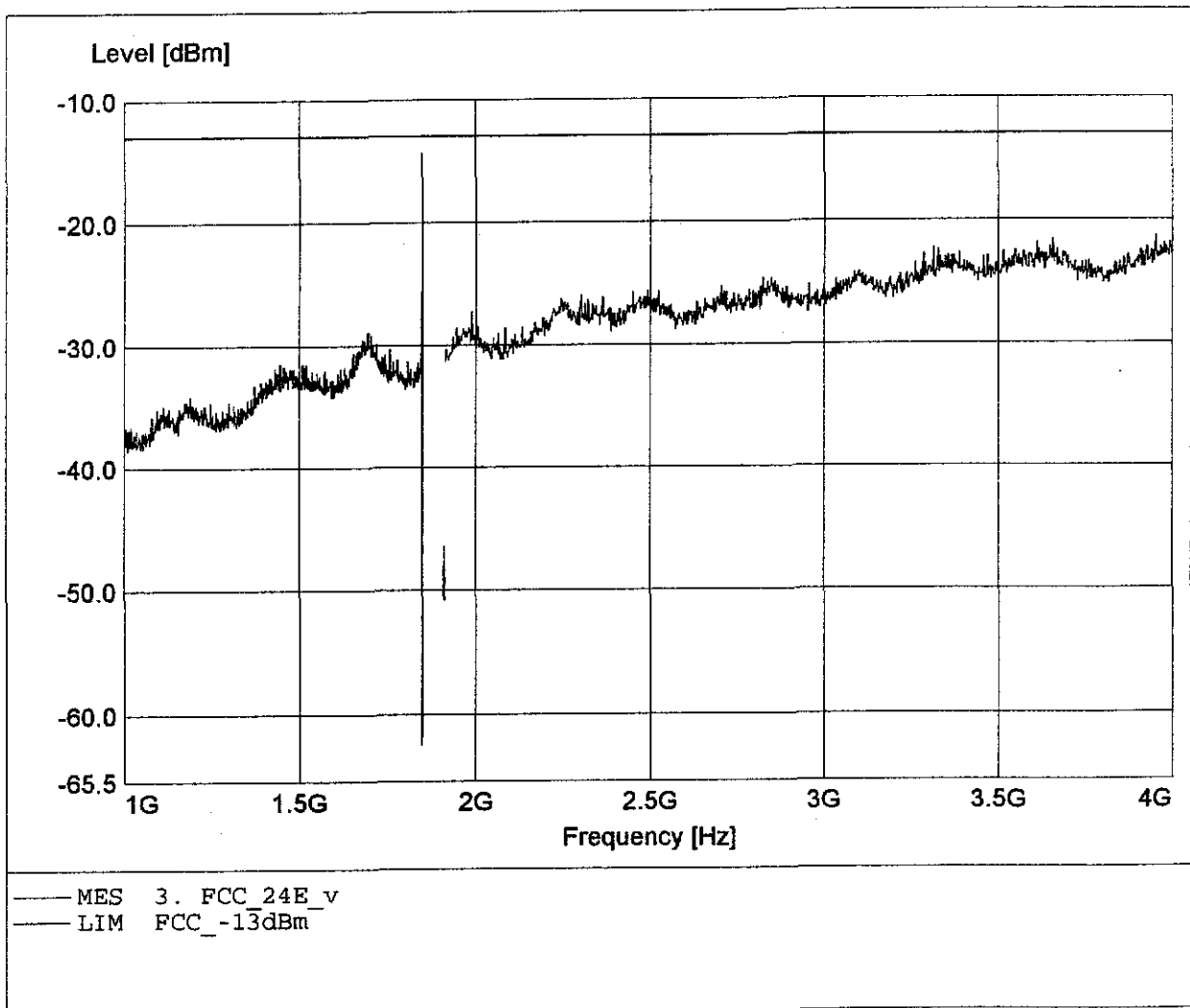
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 866.667MHz, Pmax: -36.03dBm, RBW: 1MHz



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

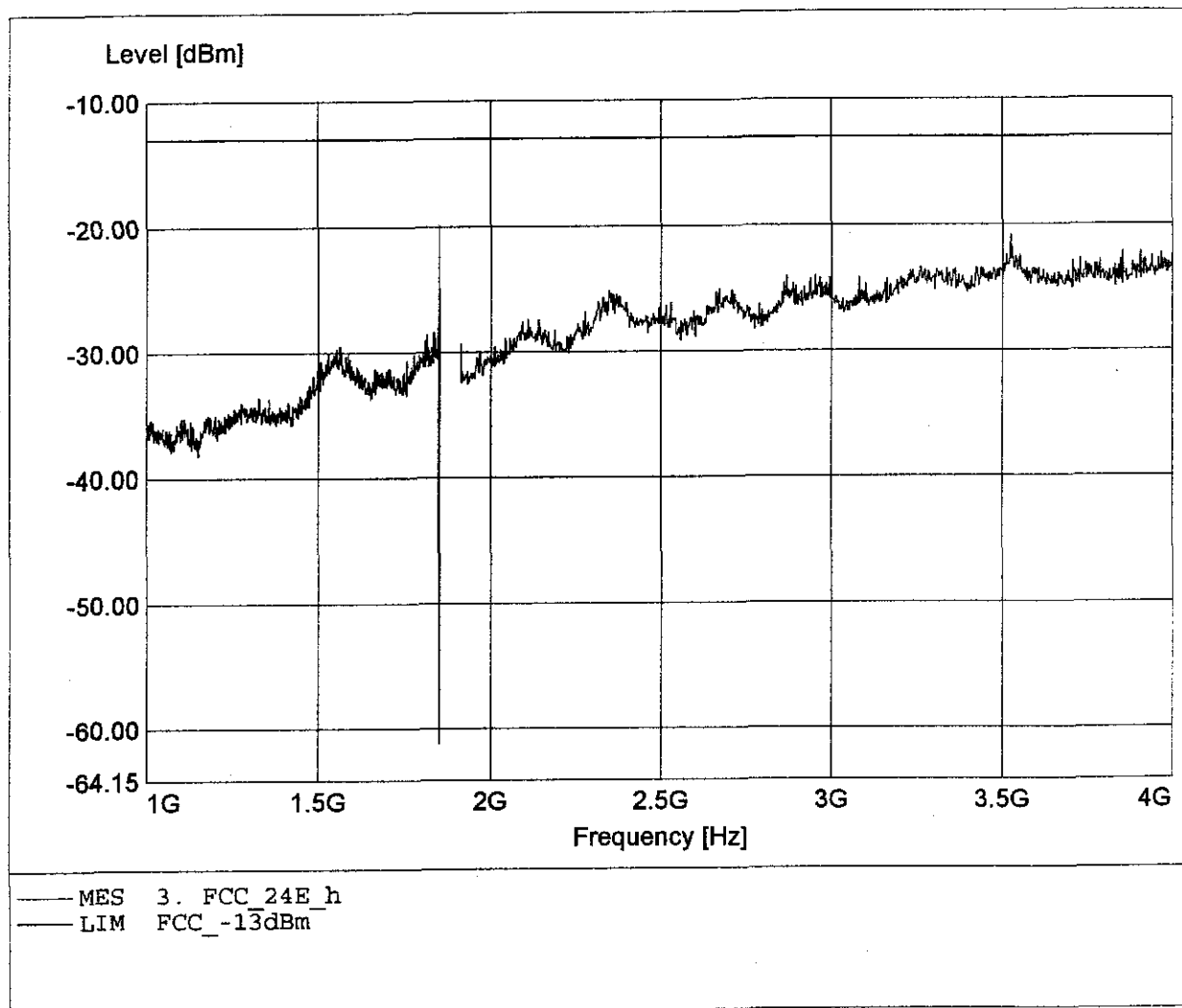
EUT / Model:           TELEX 2  
Approval Holder:       Biotronik GmbH  
Channel:                512  
Test Site / Operator:  ETS / Mr.F.Schulz  
Temperature/ Voltage:  22°C / Unom :  
Test Specification:    according to §24.238  
Comment 1:             Dist.: 3m, Ant.: HL025  
Comment 2:             Freq: 1.848GHz, Pmax: -14.28dBm, RBW: 1MHz/20kHz





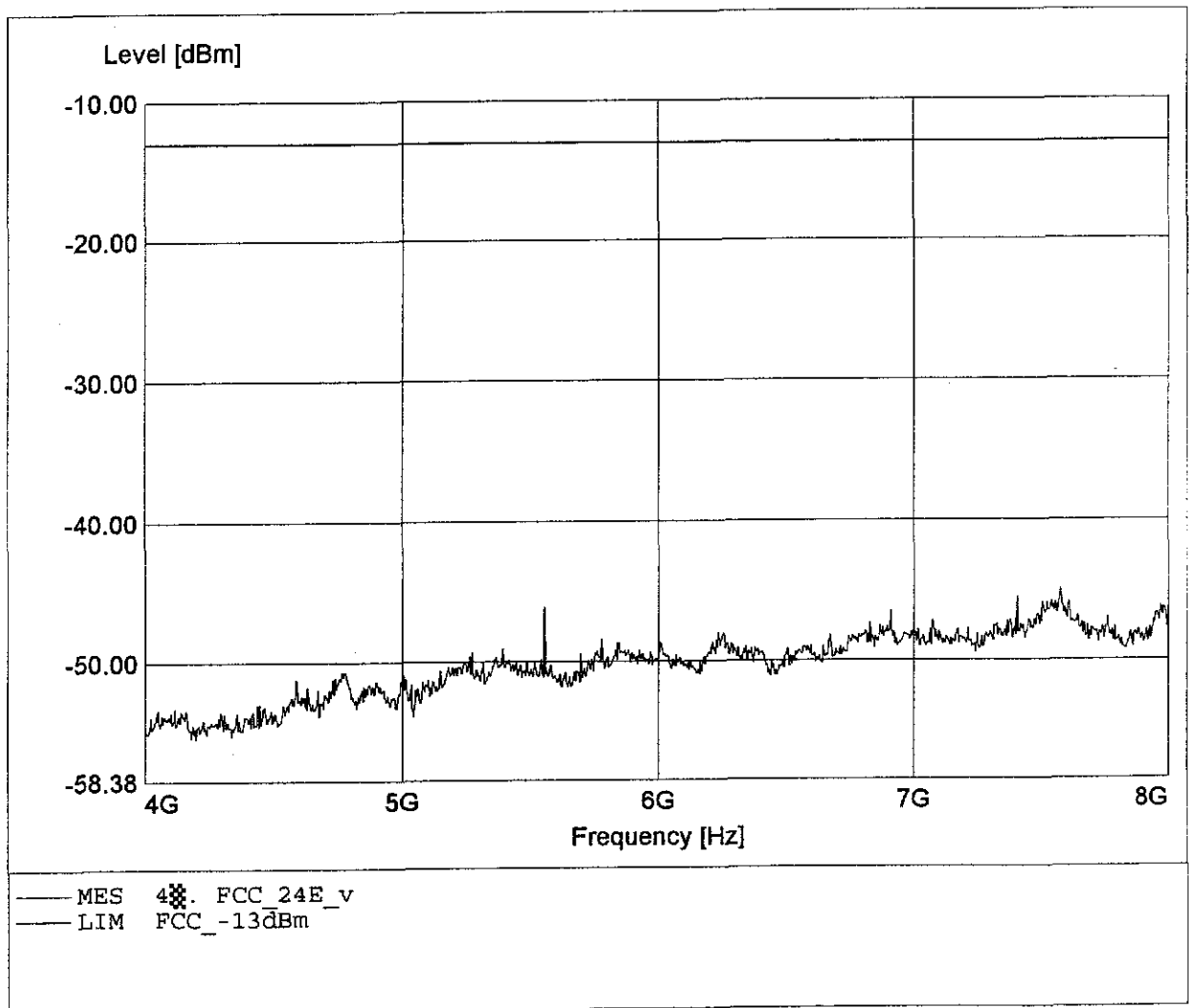
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: TELEX 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr.F.Schulz  
Temperature/ Voltage: 22°C / Unom :  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 1.848GHz, Pmax: -19.84dBm, RBW: 1MHz/20kHz



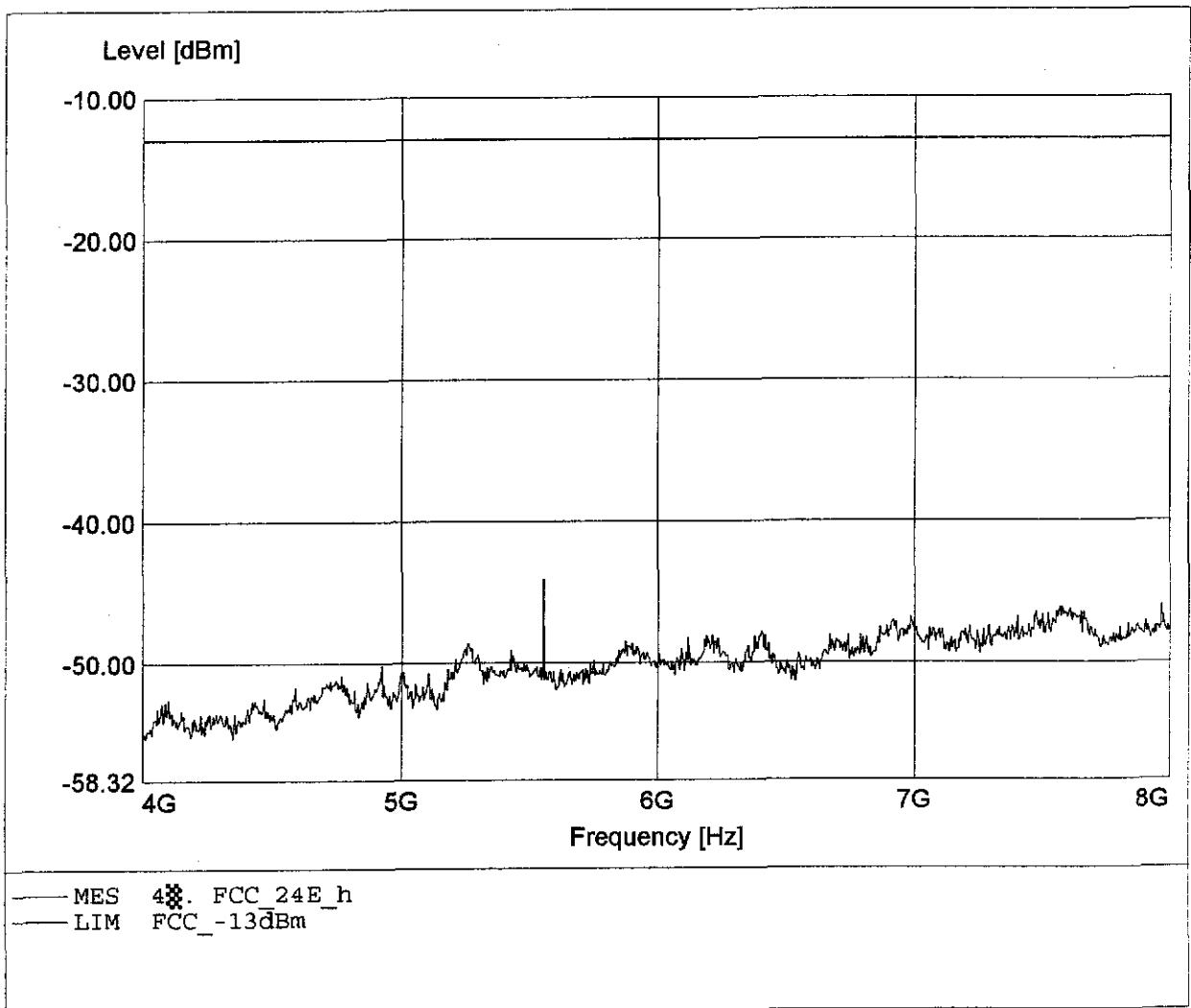
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.573GHz, Pmax: -45.03dBm, RBW: 1MHz



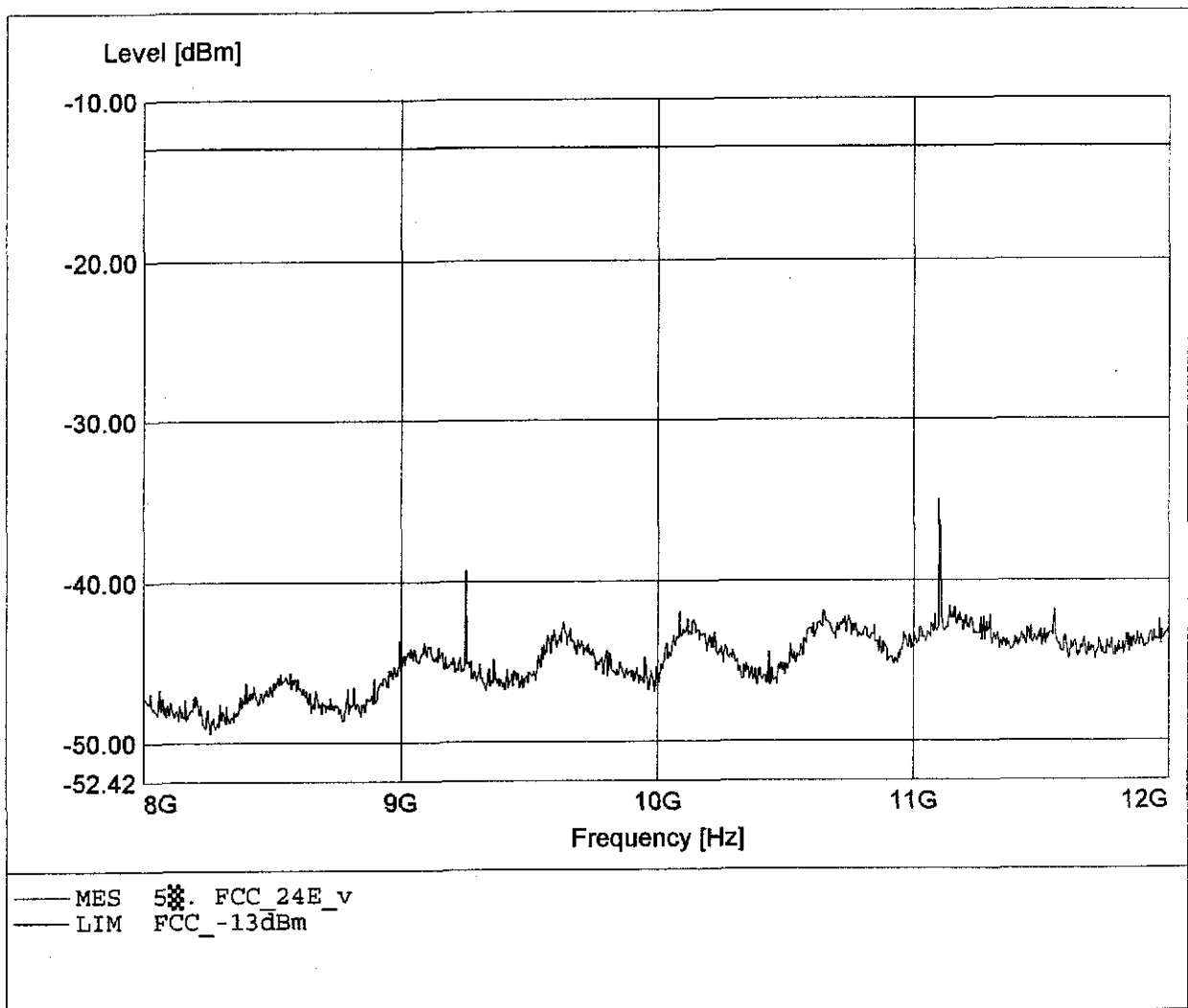
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 5.556GHz, Pmax: -44.10dBm, RBW: 1MHz



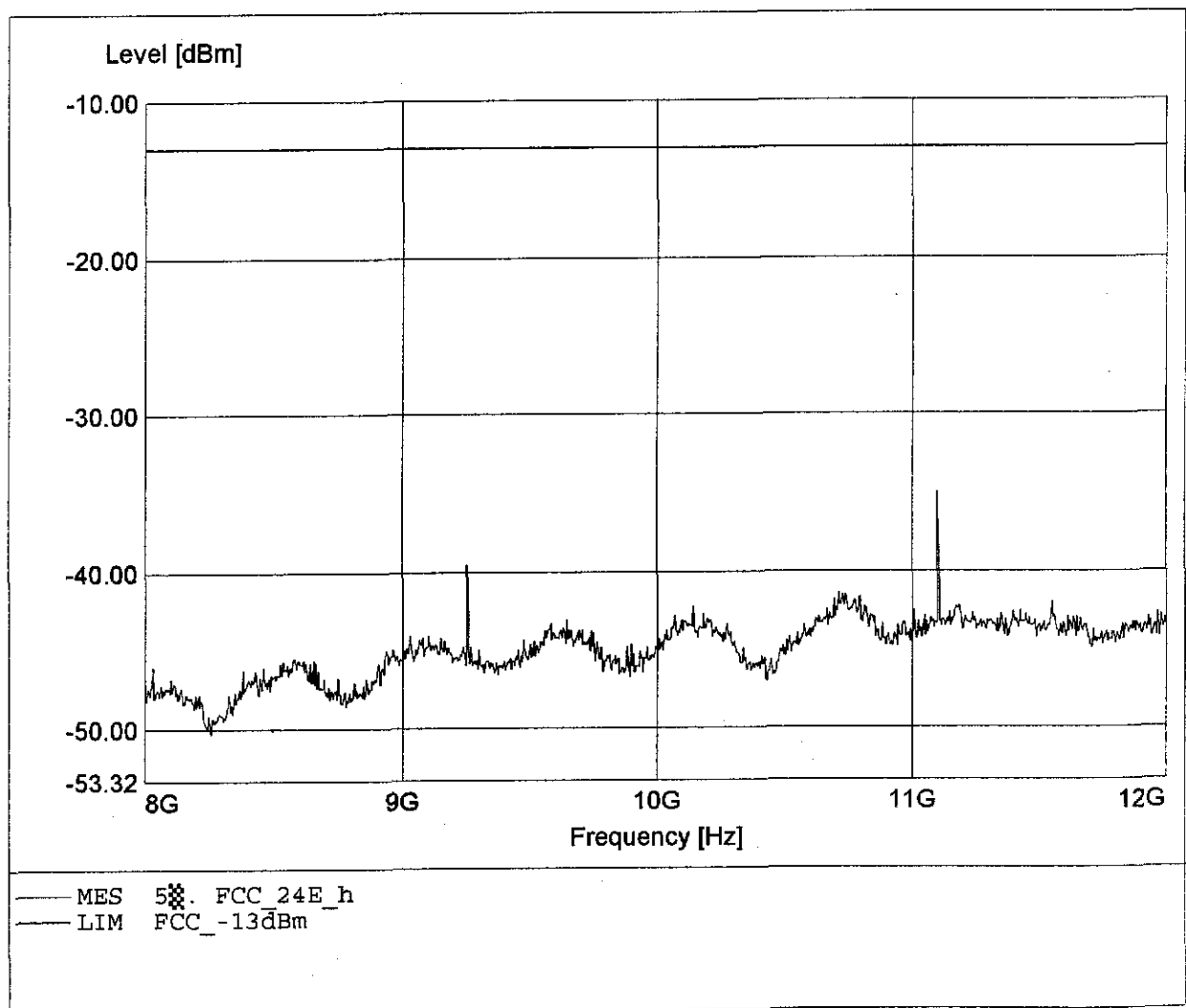
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.102GHz, Pmax: -35.00dBm, RBW: 1MHz



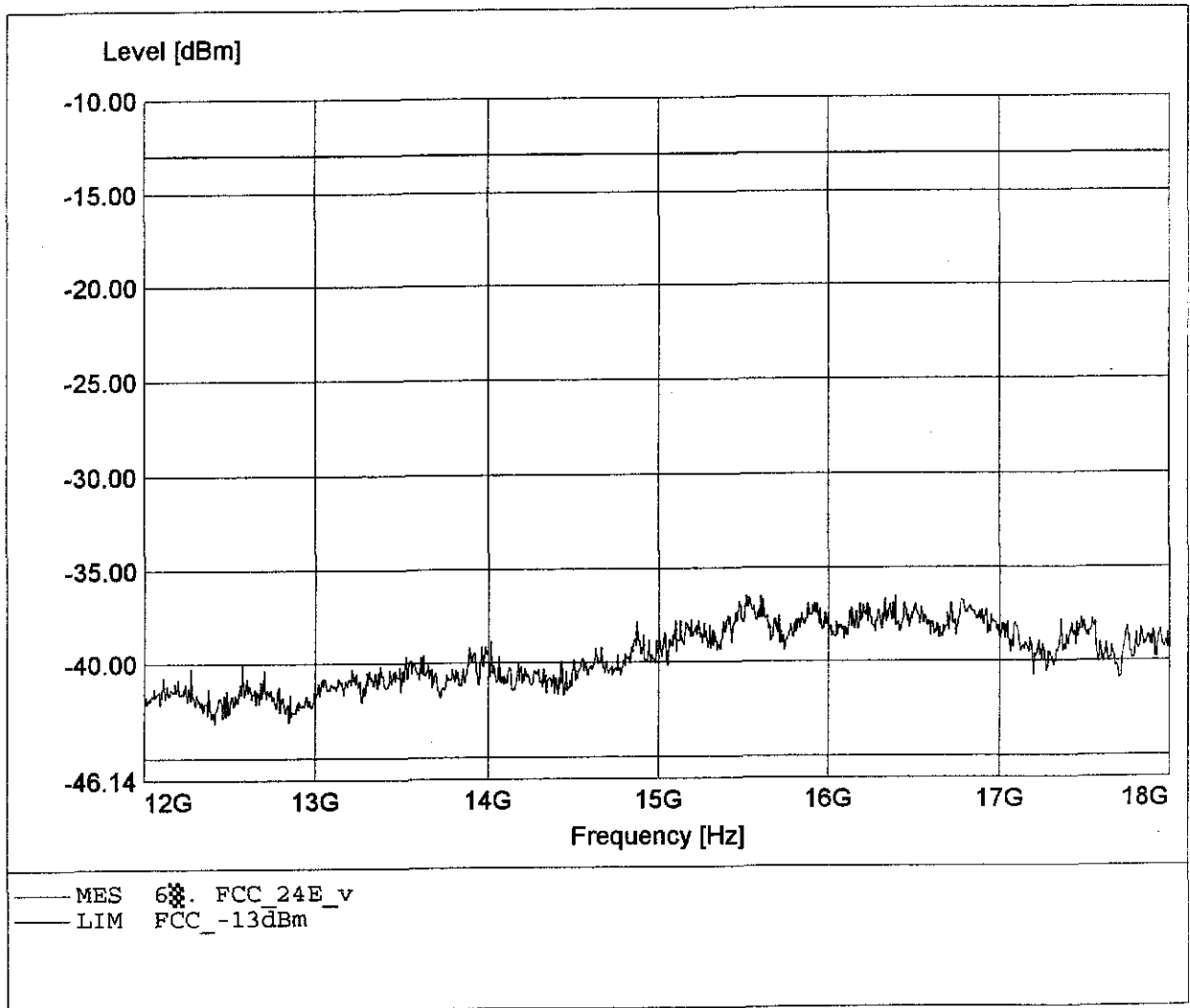
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.102GHz, Pmax: -35.07dBm, RBW: 1MHz



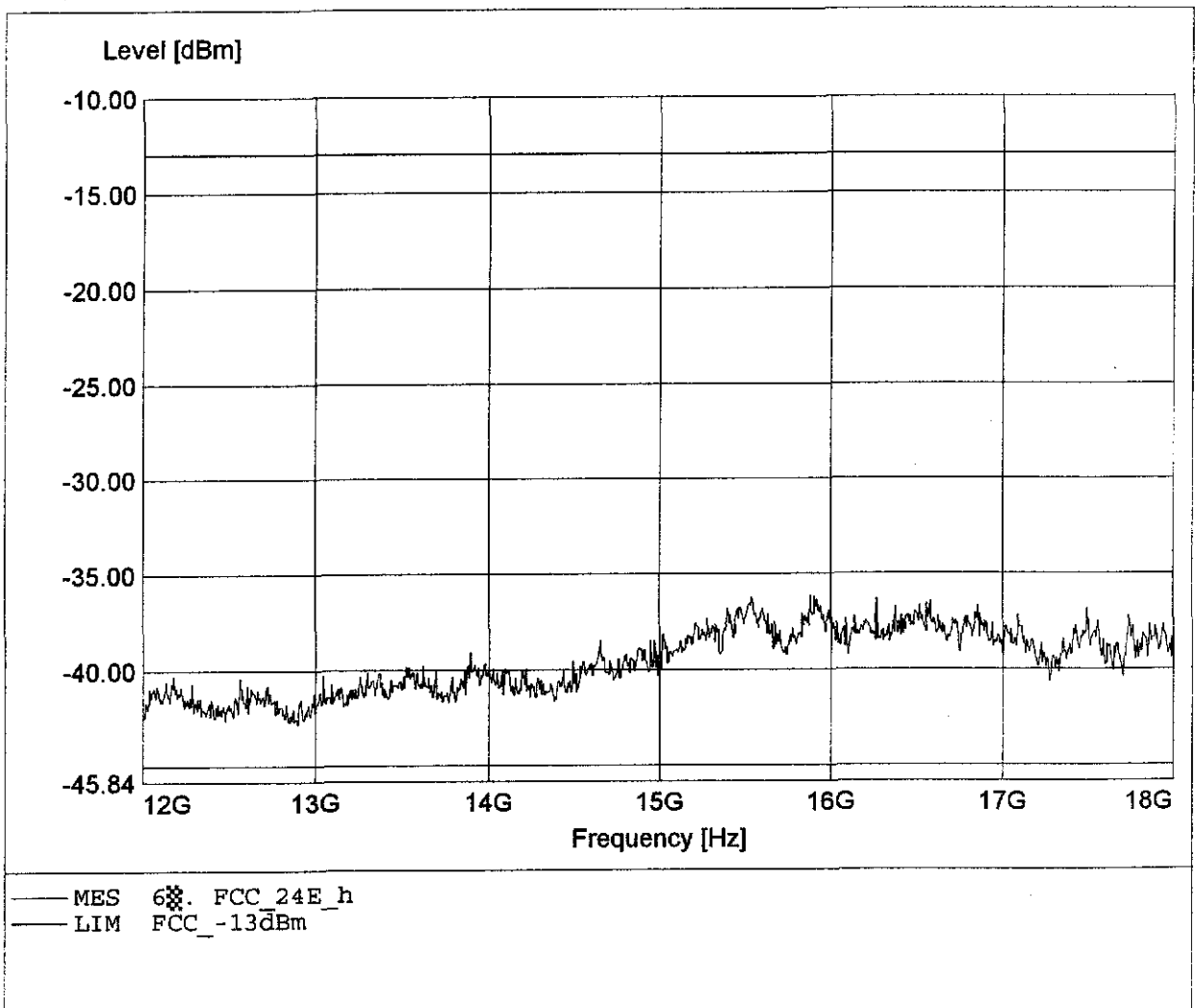
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.600GHz, Pmax: -36.49dBm, RBW: 1MHz



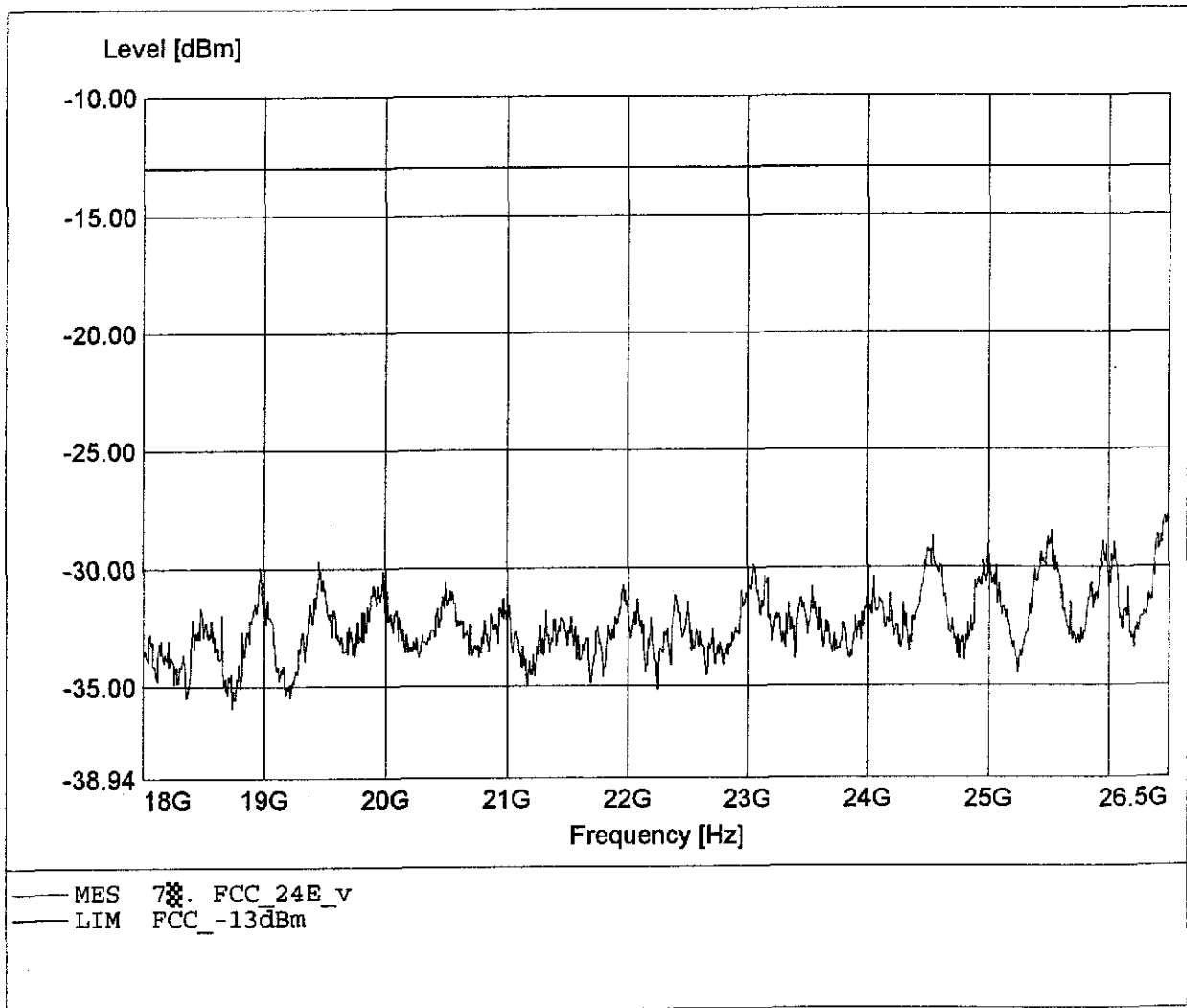
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.880GHz, Pmax: -36.17dBm, RBW: 1MHz



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

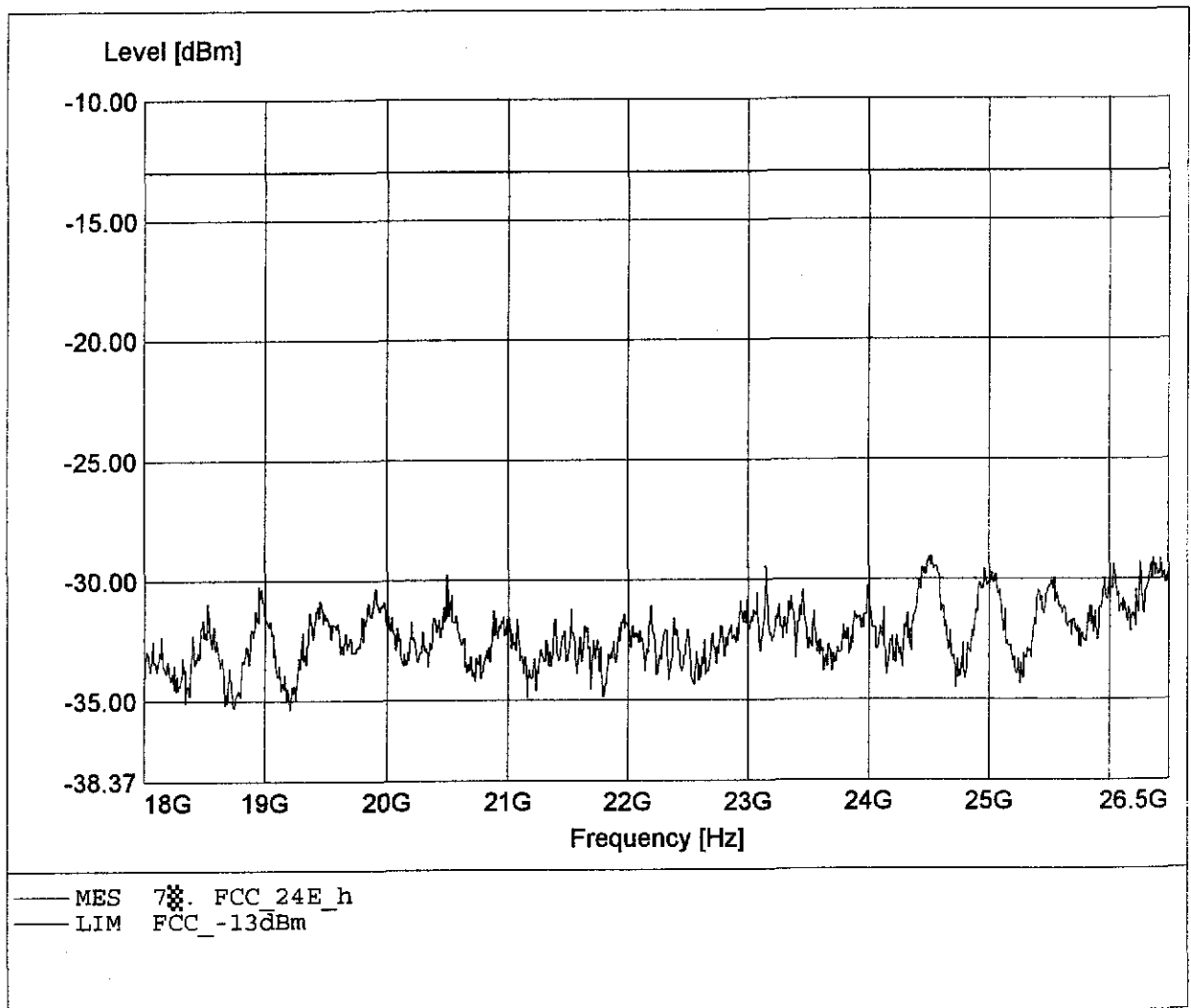
EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.500GHz, Pmax: -27.64dBm, RBW: 1MHz





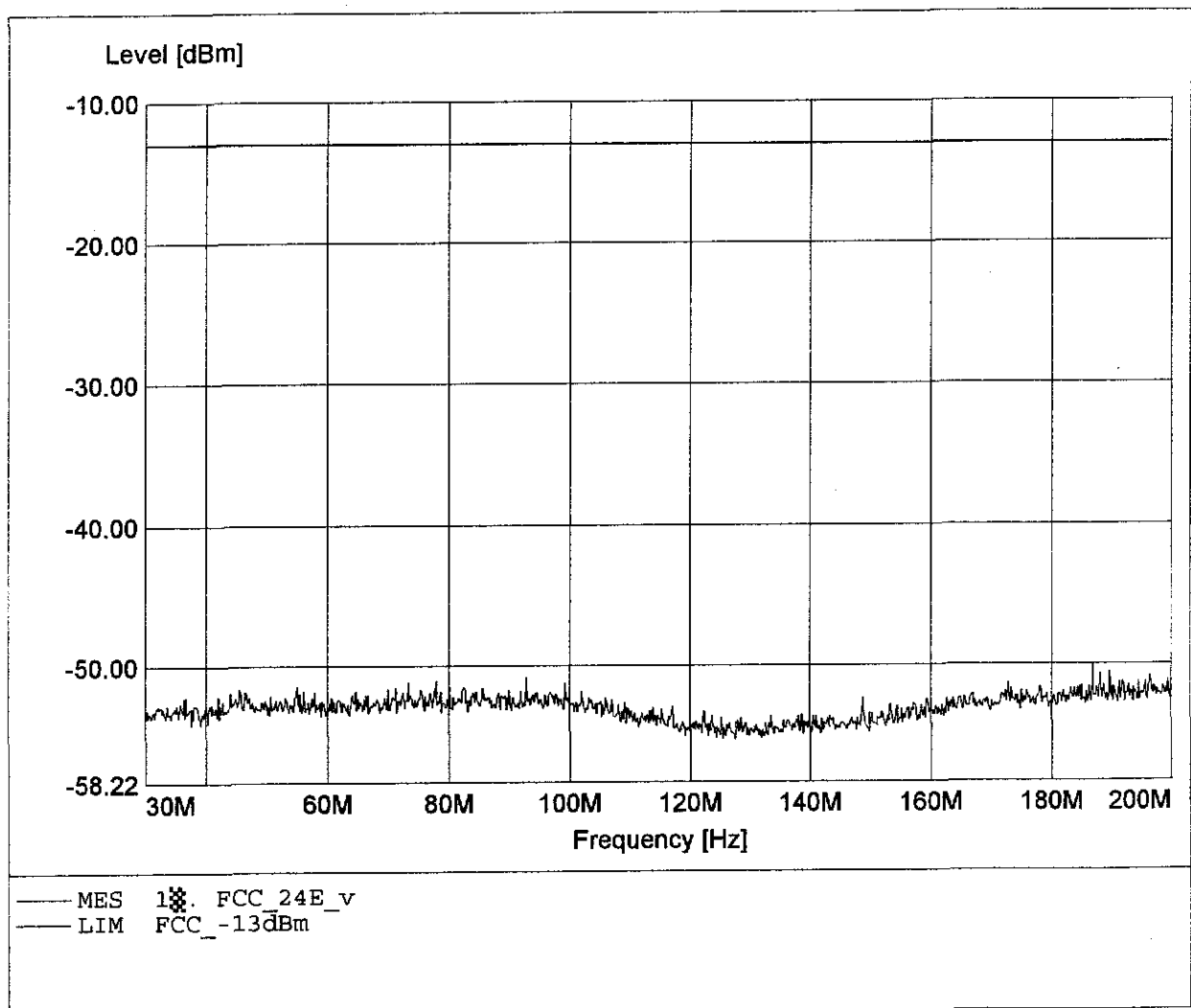
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 512  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.526GHz, Pmax: -29.04dBm, RBW: 1MHz



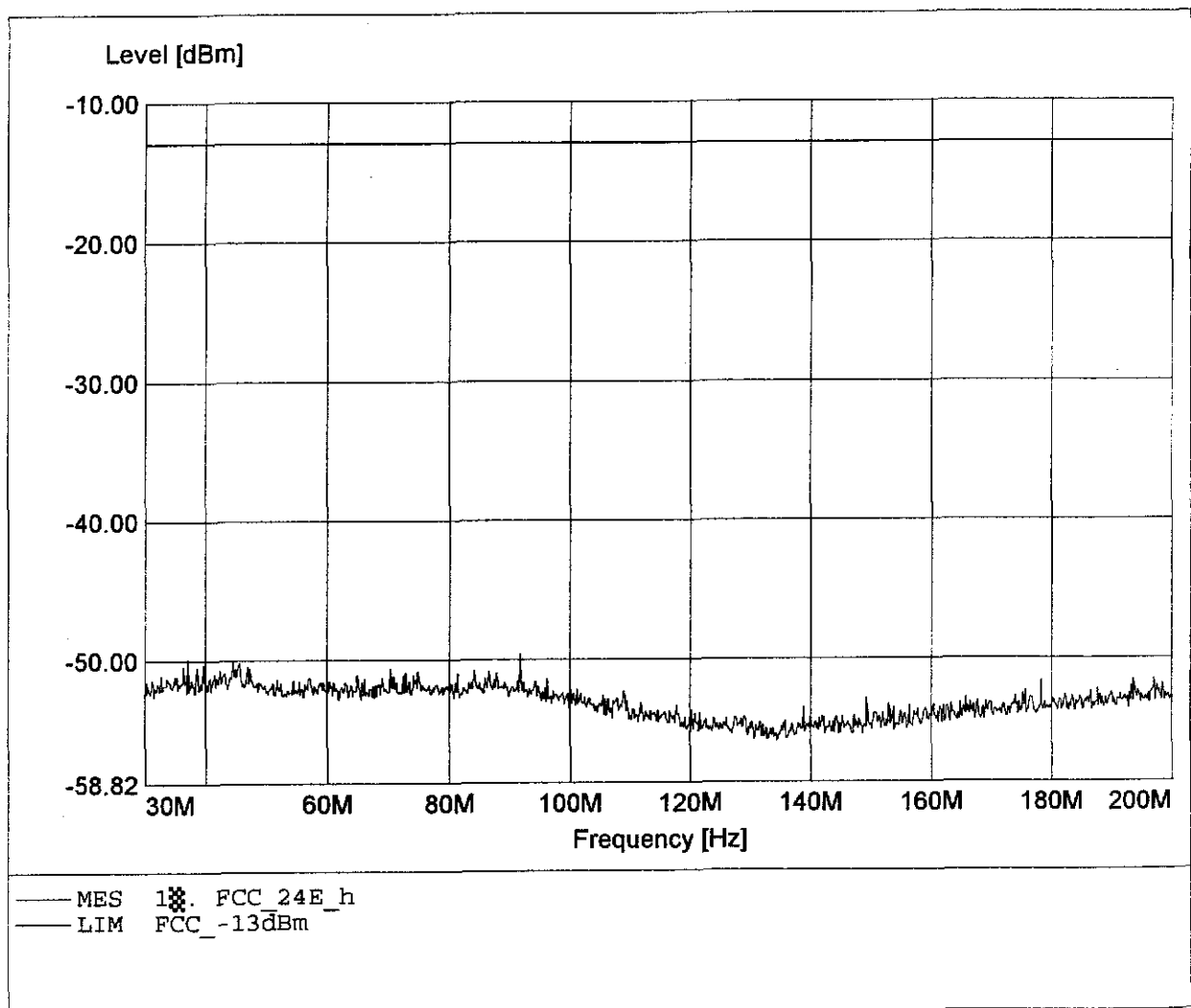
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EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 186.967MHz, Pmax: -49.98dBm, RBW: 1MHz



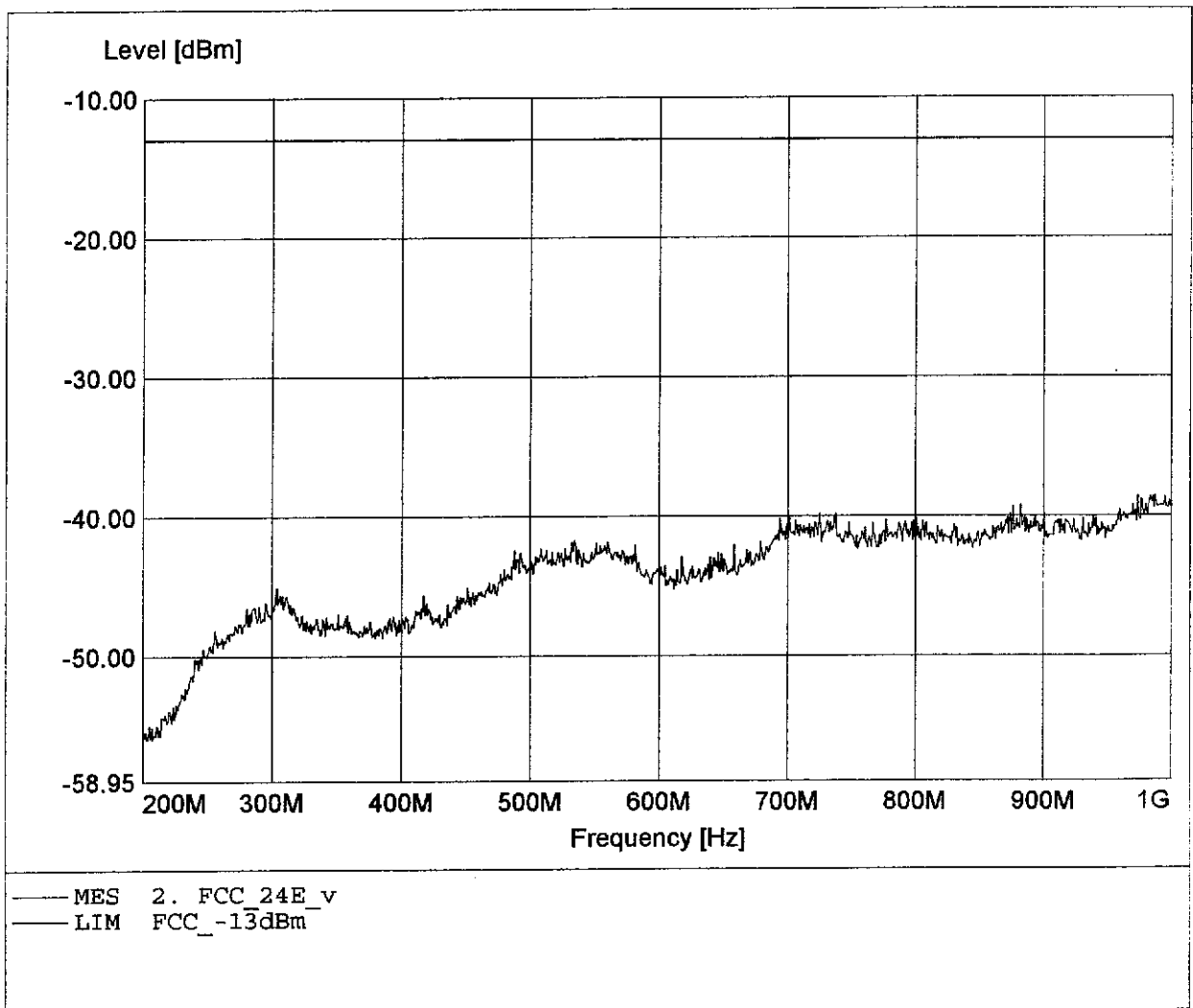
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Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 91.767MHz, Pmax: -49.59dBm, RBW: 1MHz



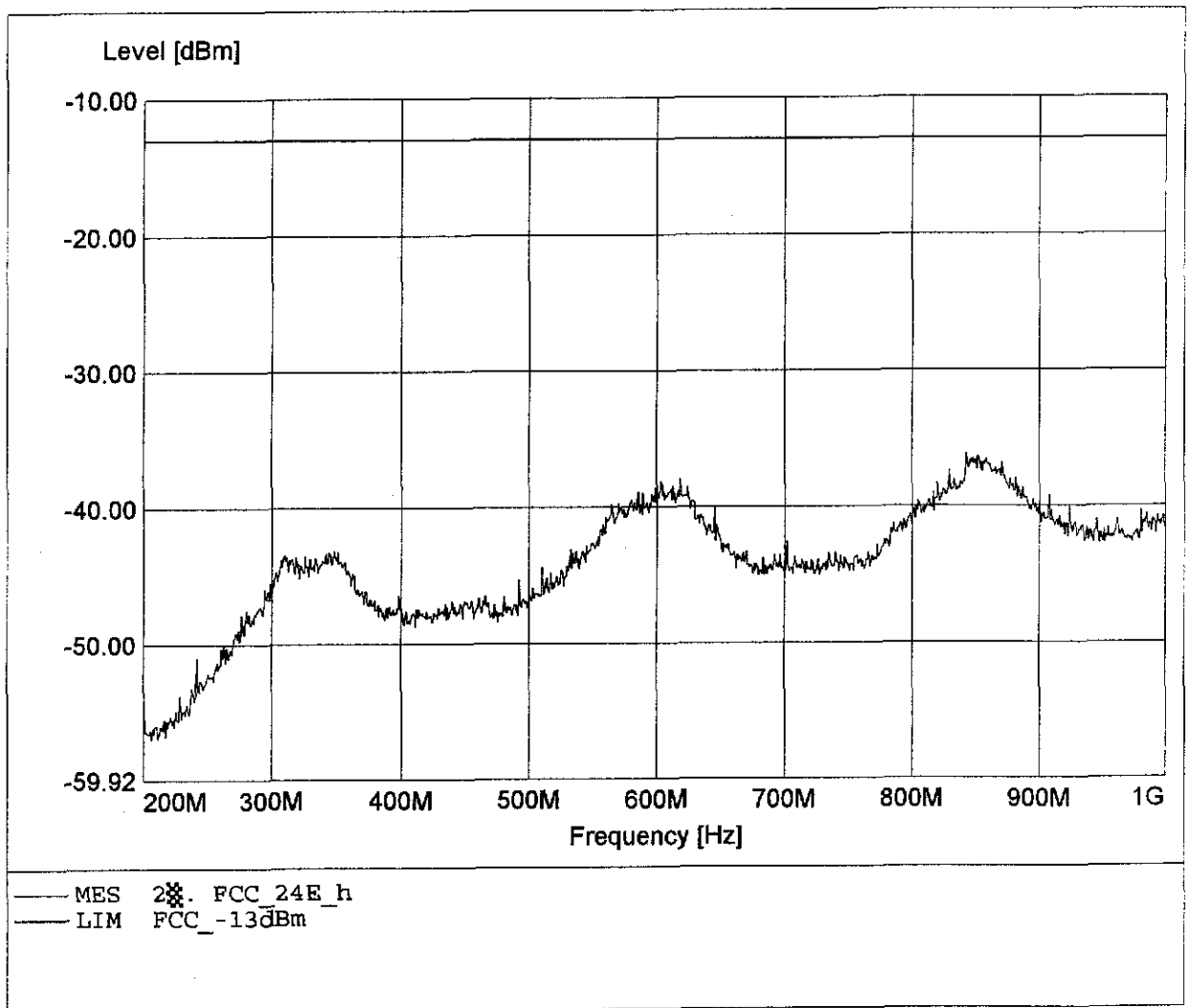
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**FCC RULES PART 24 SUBPART E**

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Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 973.333MHz, Pmax: -38.60dBm, RBW: 1MHz



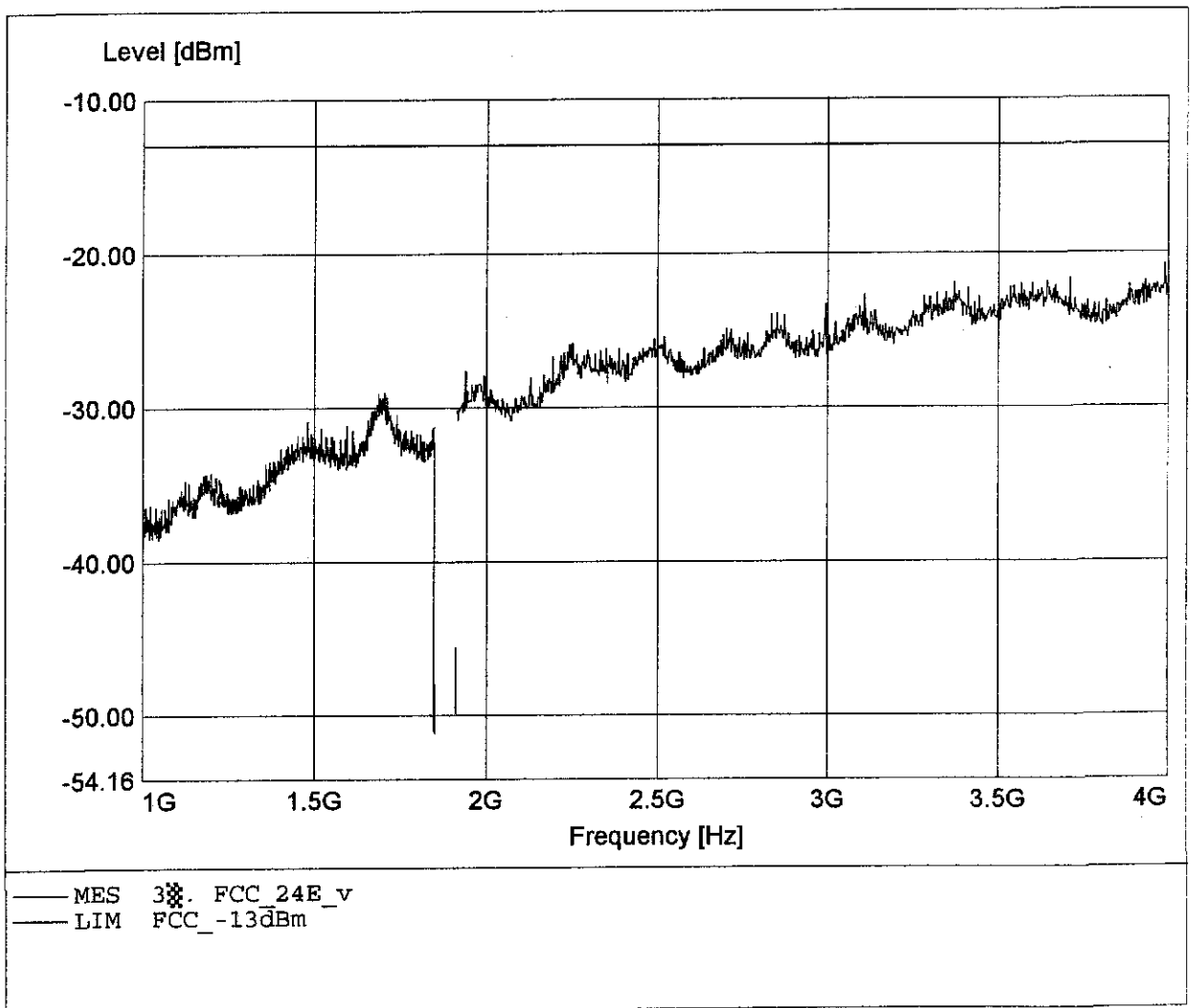
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Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
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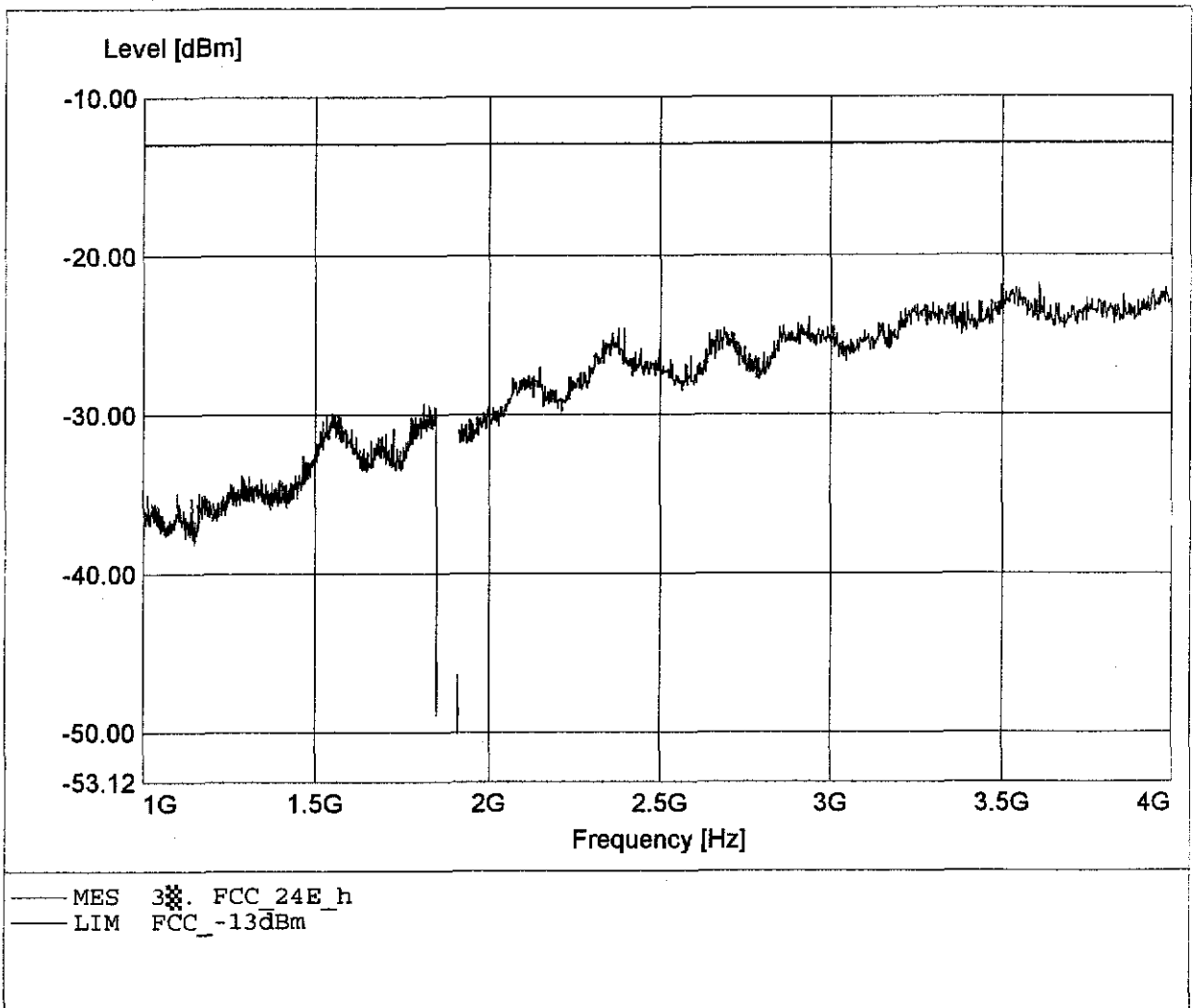
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Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
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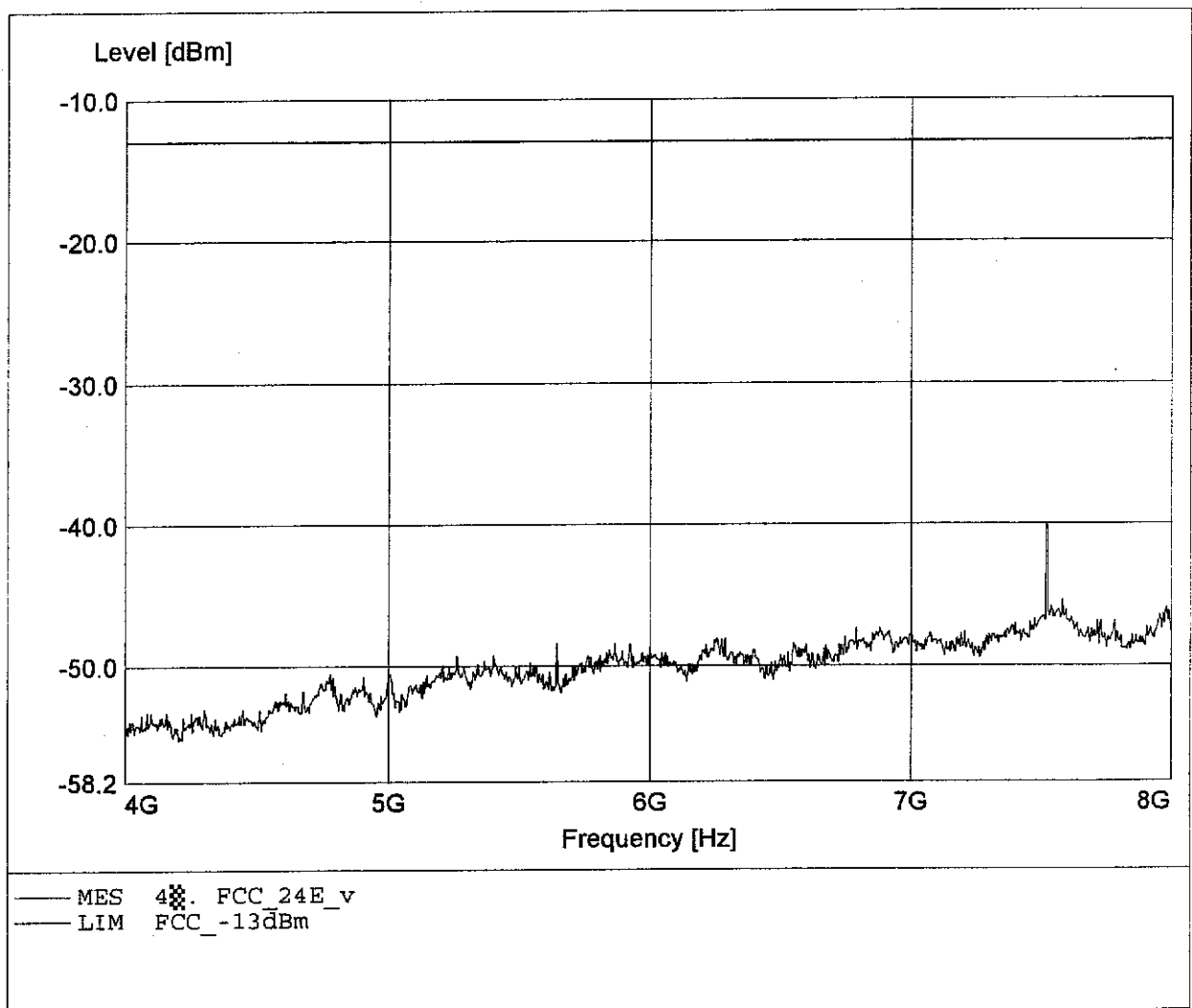
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Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 3.608GHz, Pmax: -21.70dBm, RBW: 1MHz/20kHz



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

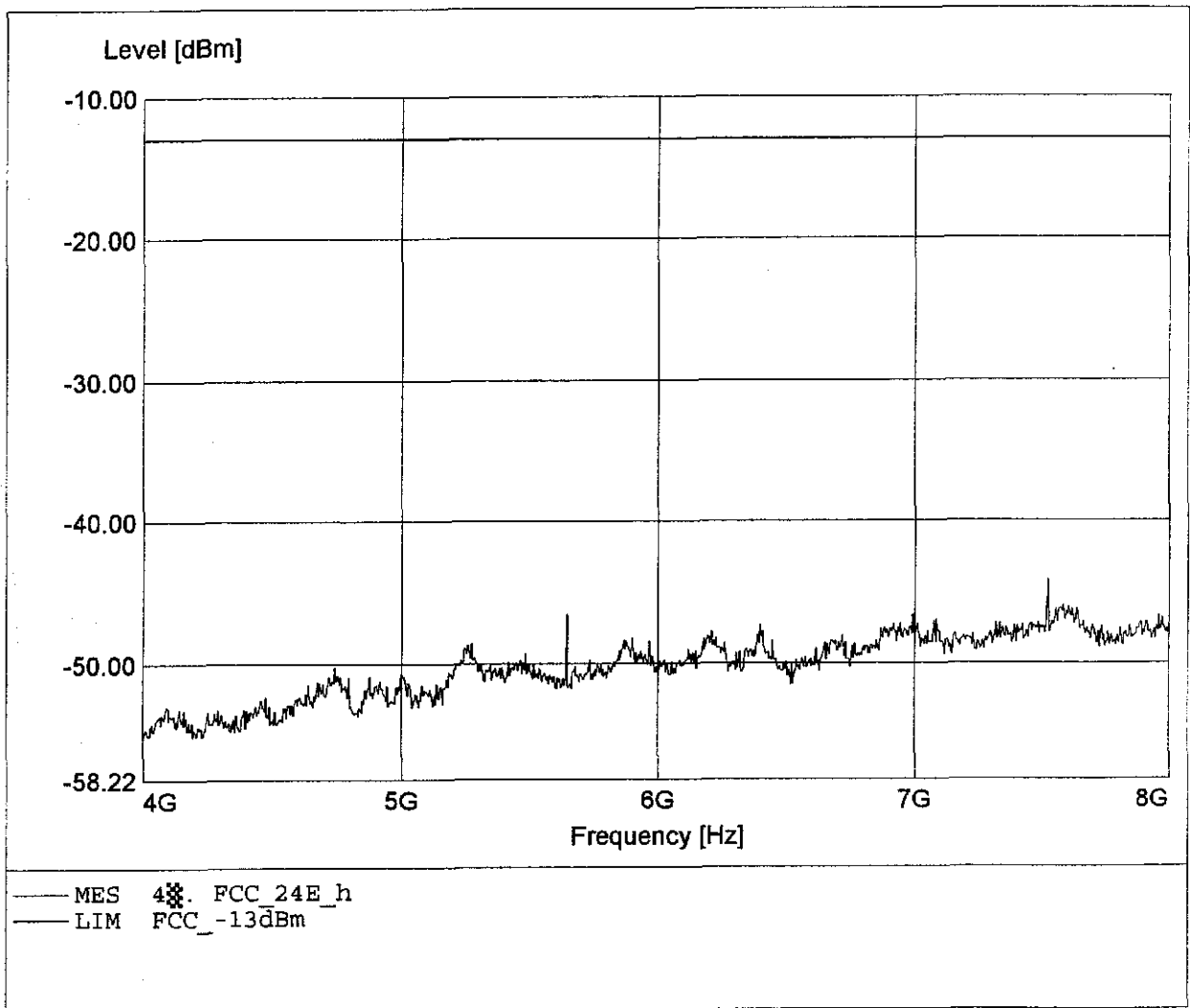
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Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
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Comment 2: Freq: 7.520GHz, Pmax: -40.01dBm, RBW: 1MHz





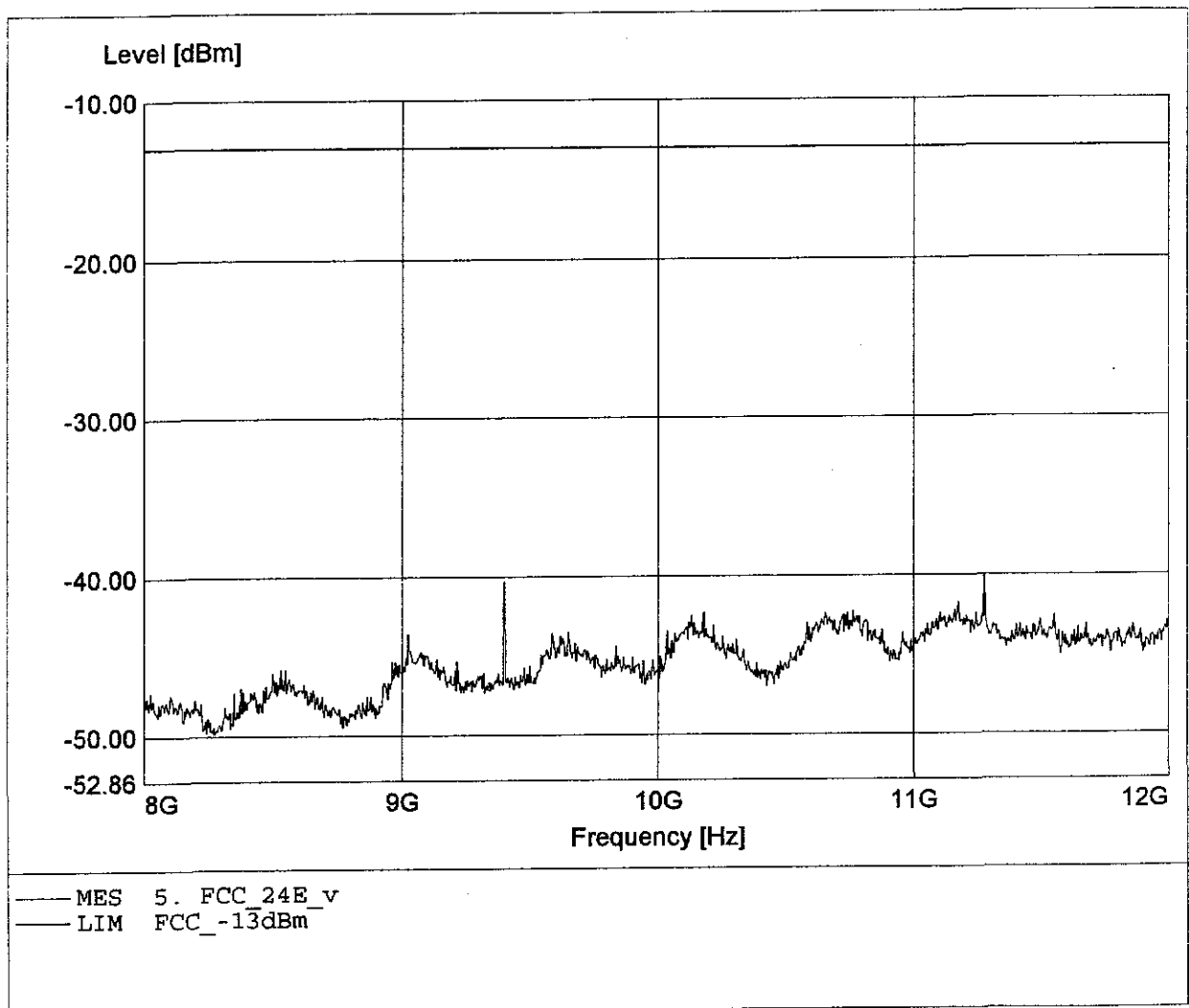
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.520GHz, Pmax: -44.15dBm, RBW: 1MHz



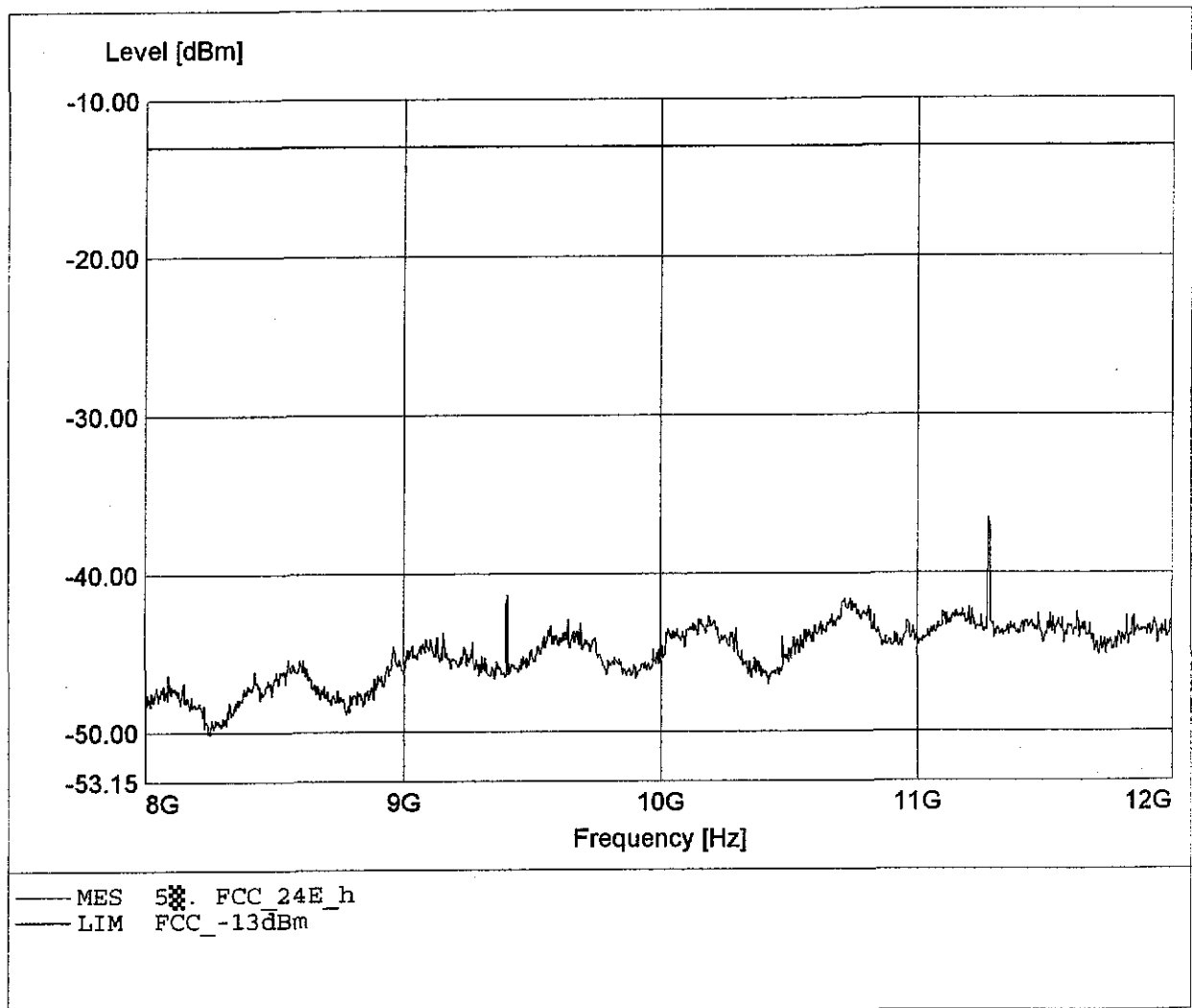
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.280GHz, Pmax: -39.96dBm, RBW: 1MHz



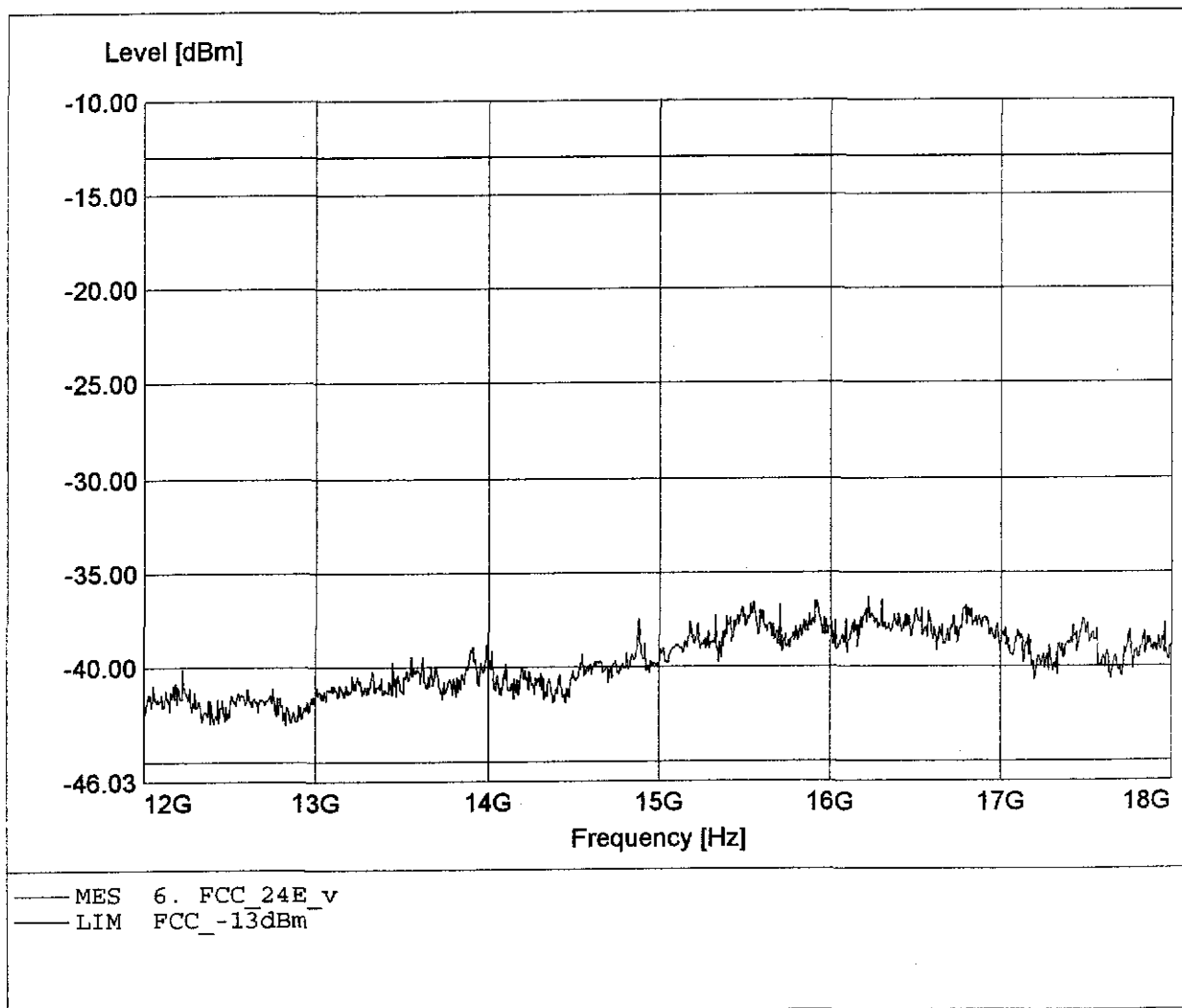
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.280GHz, Pmax: -36.56dBm, RBW: 1MHz



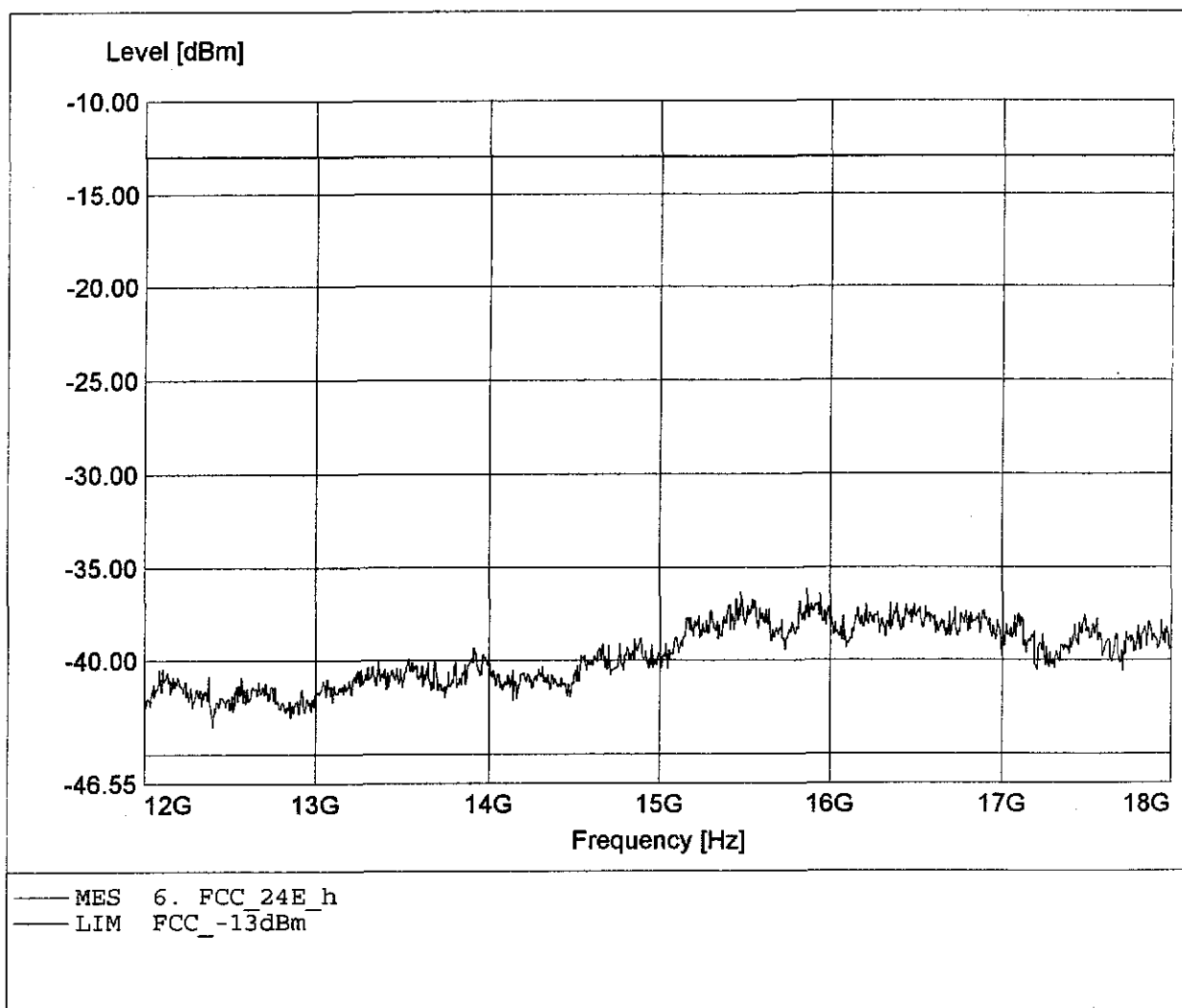
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 16.220GHz, Pmax: -36.32dBm, RBW: 1MHz



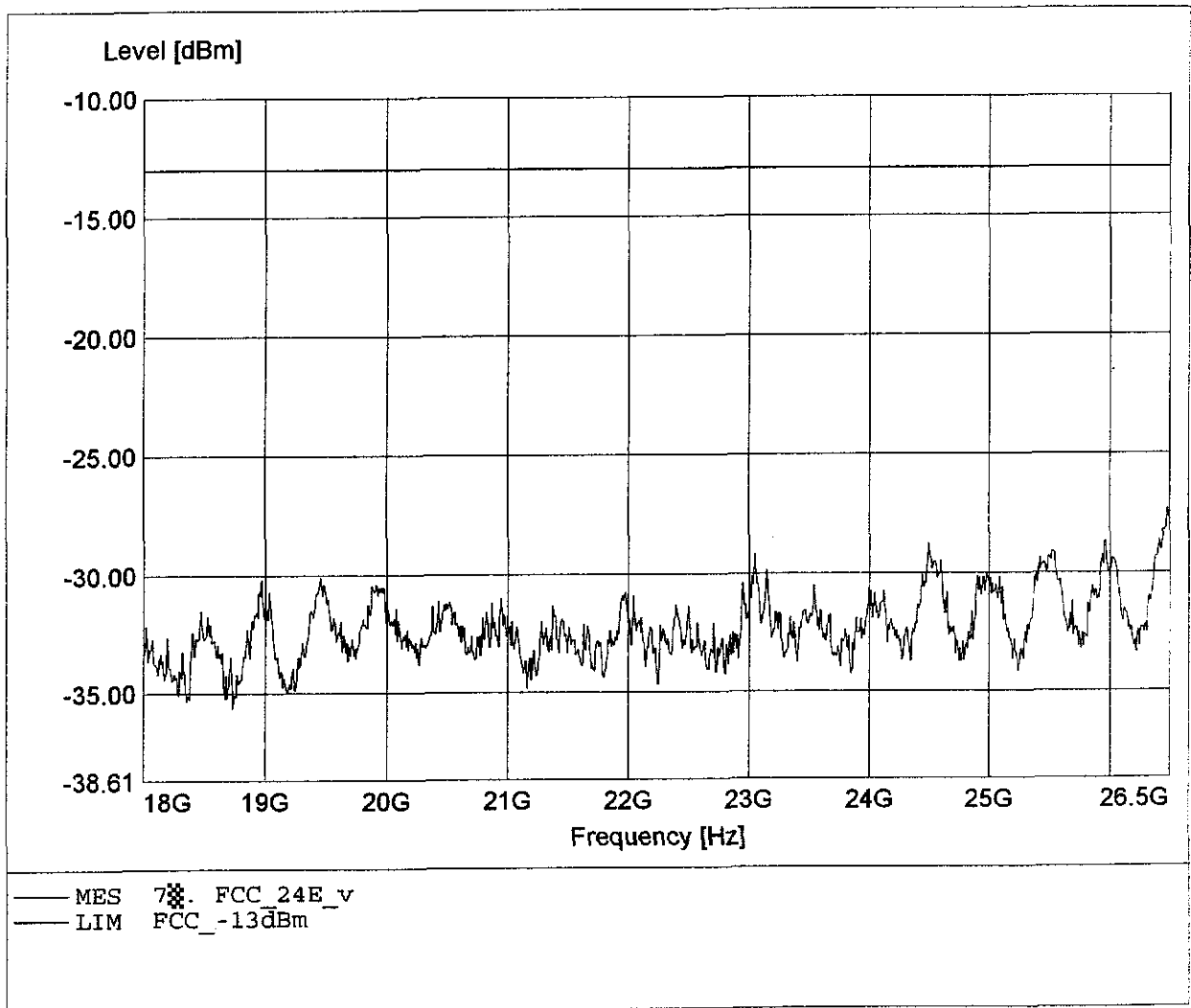
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.867GHz, Pmax: -36.24dBm, RBW: 1MHz



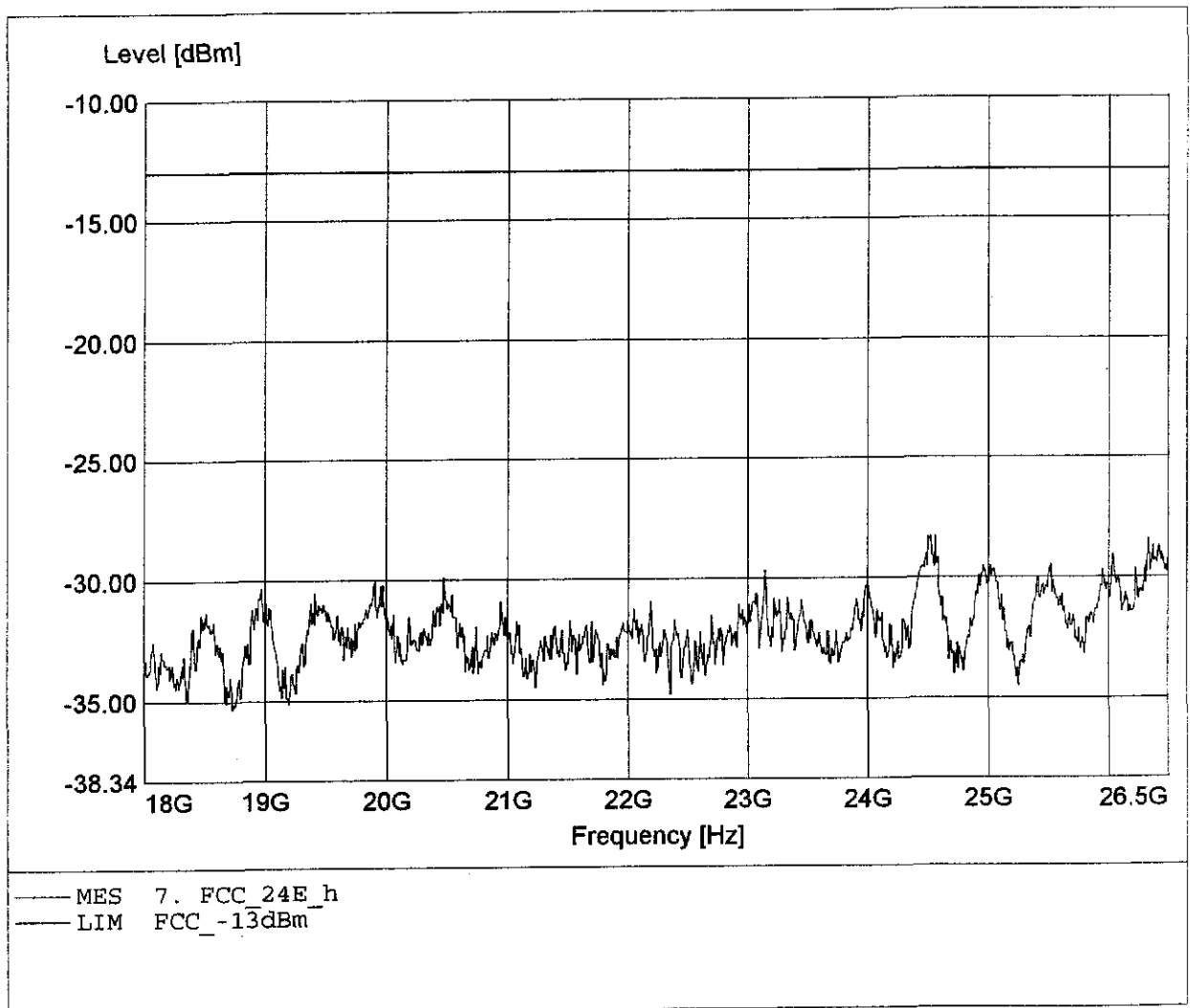
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.481GHz, Pmax: -27.34dBm, RBW: 1MHz



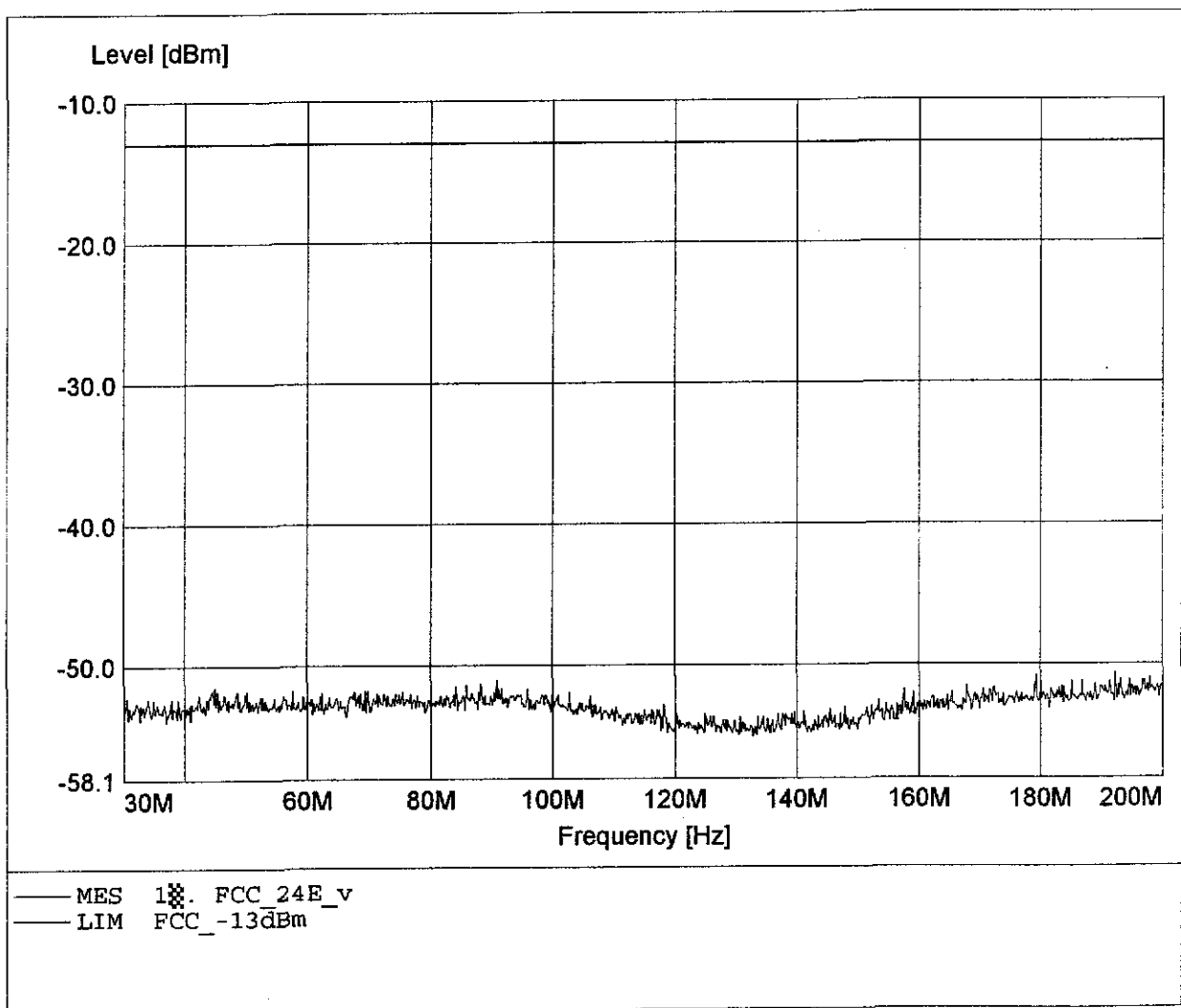
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 661  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.526GHz, Pmax: -28.31dBm, RBW: 1MHz



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

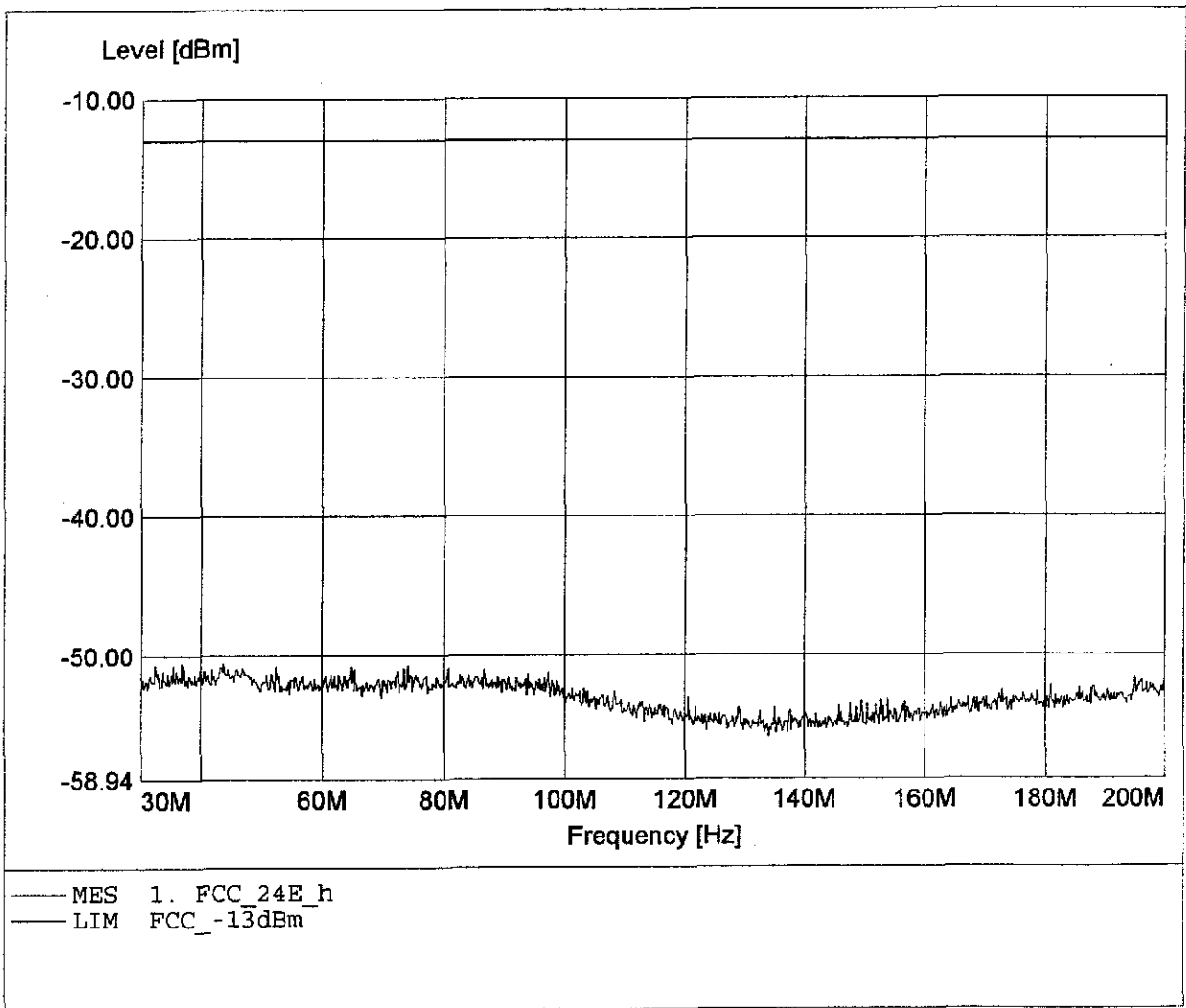
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Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 192.256MHz, Pmax: -50.67dBm, RBW: 1MHz





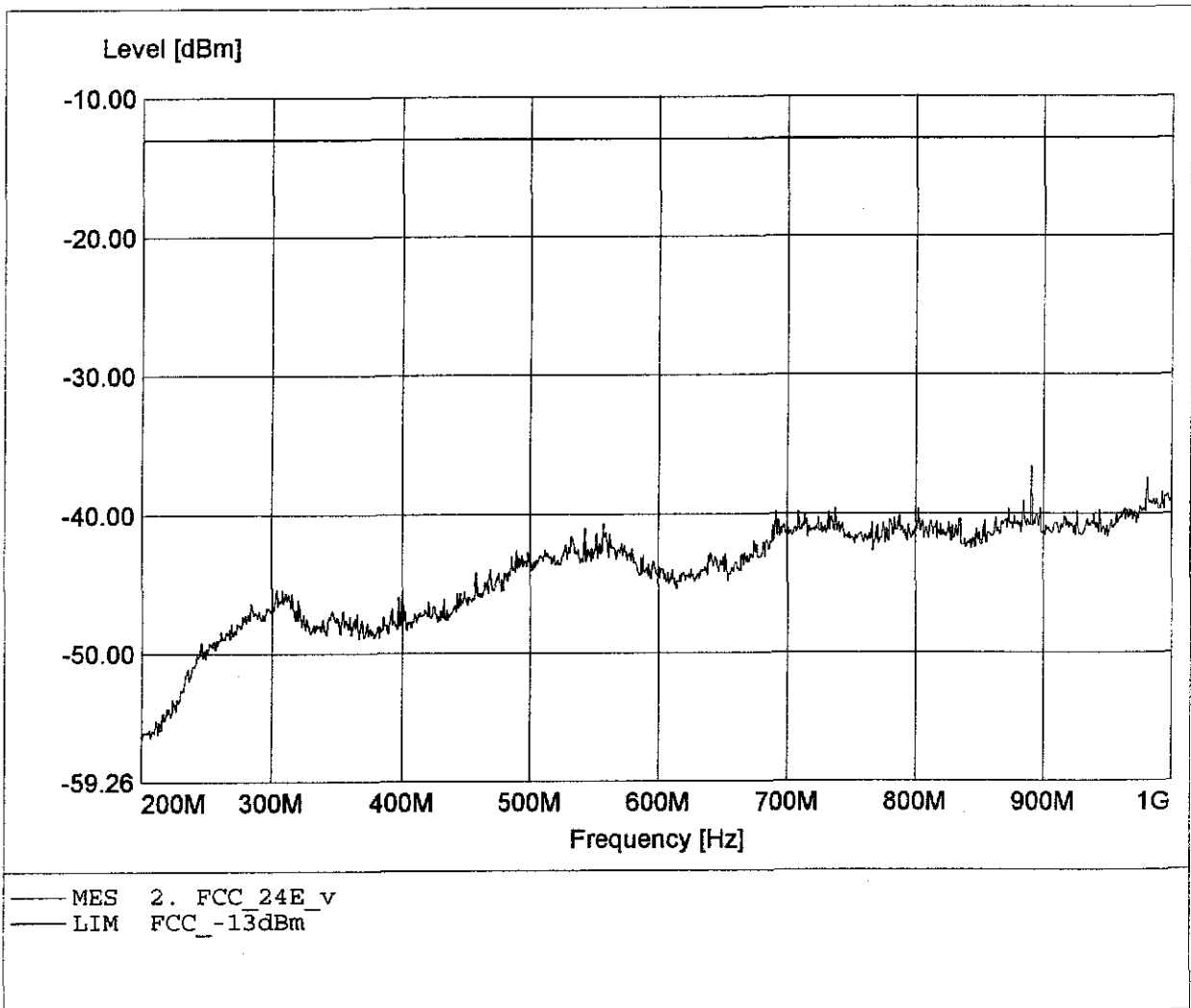
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 43.789MHz, Pmax: -50.52dBm, RBW: 1MHz



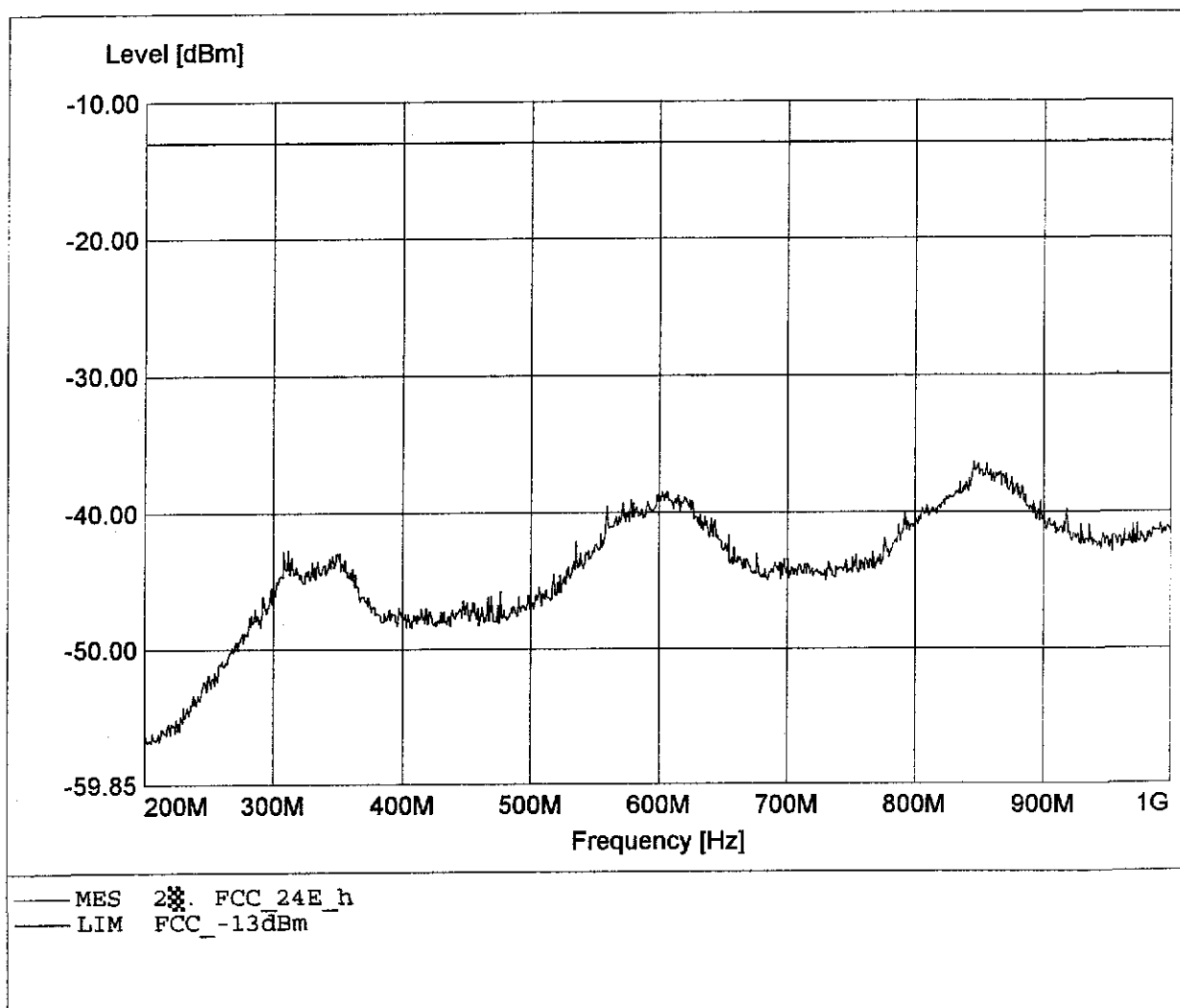
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 890.667MHz, Pmax: -36.59dBm, RBW: 1MHz



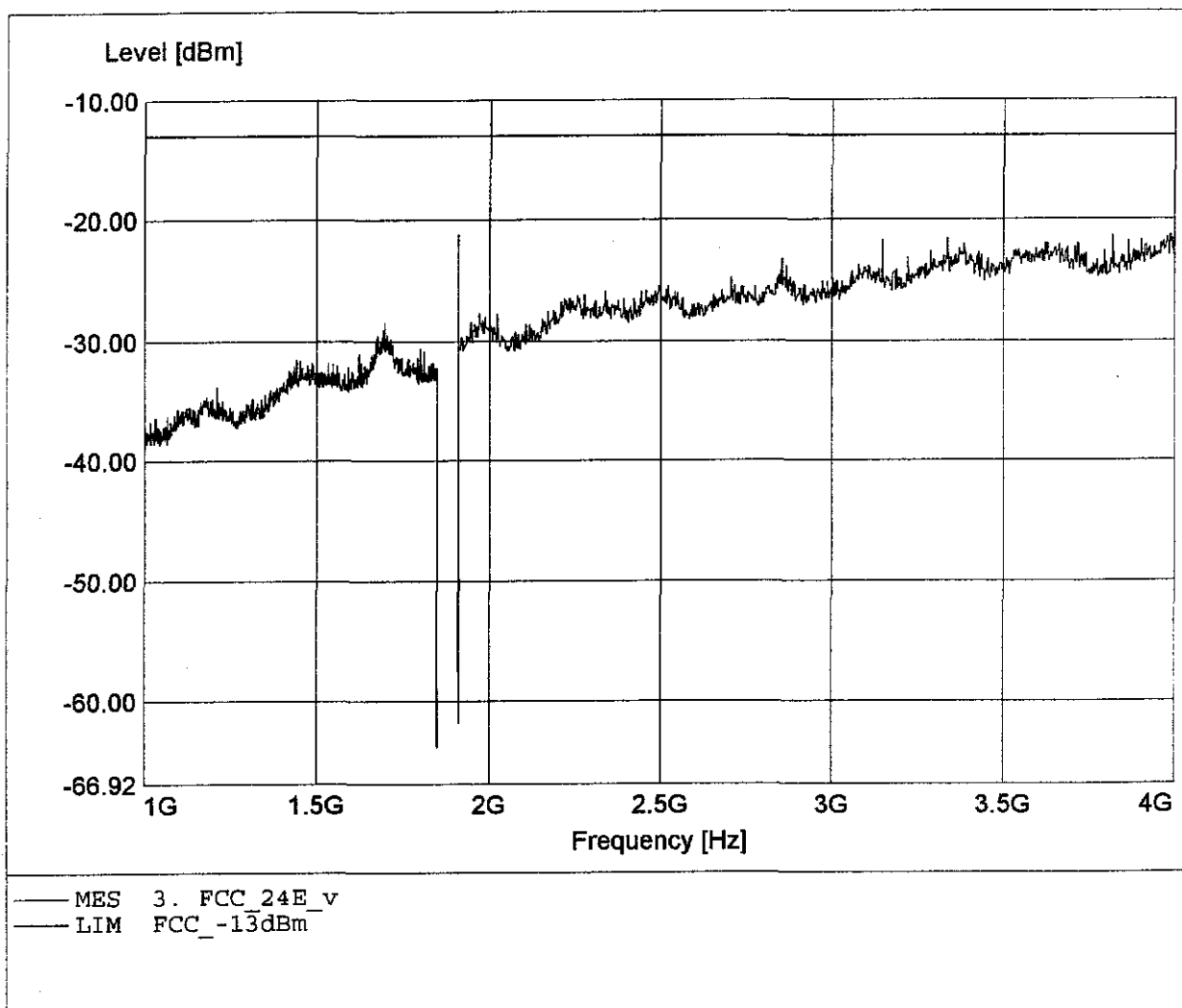
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 846.222MHz, Pmax: -36.41dBm, RBW: 1MHz



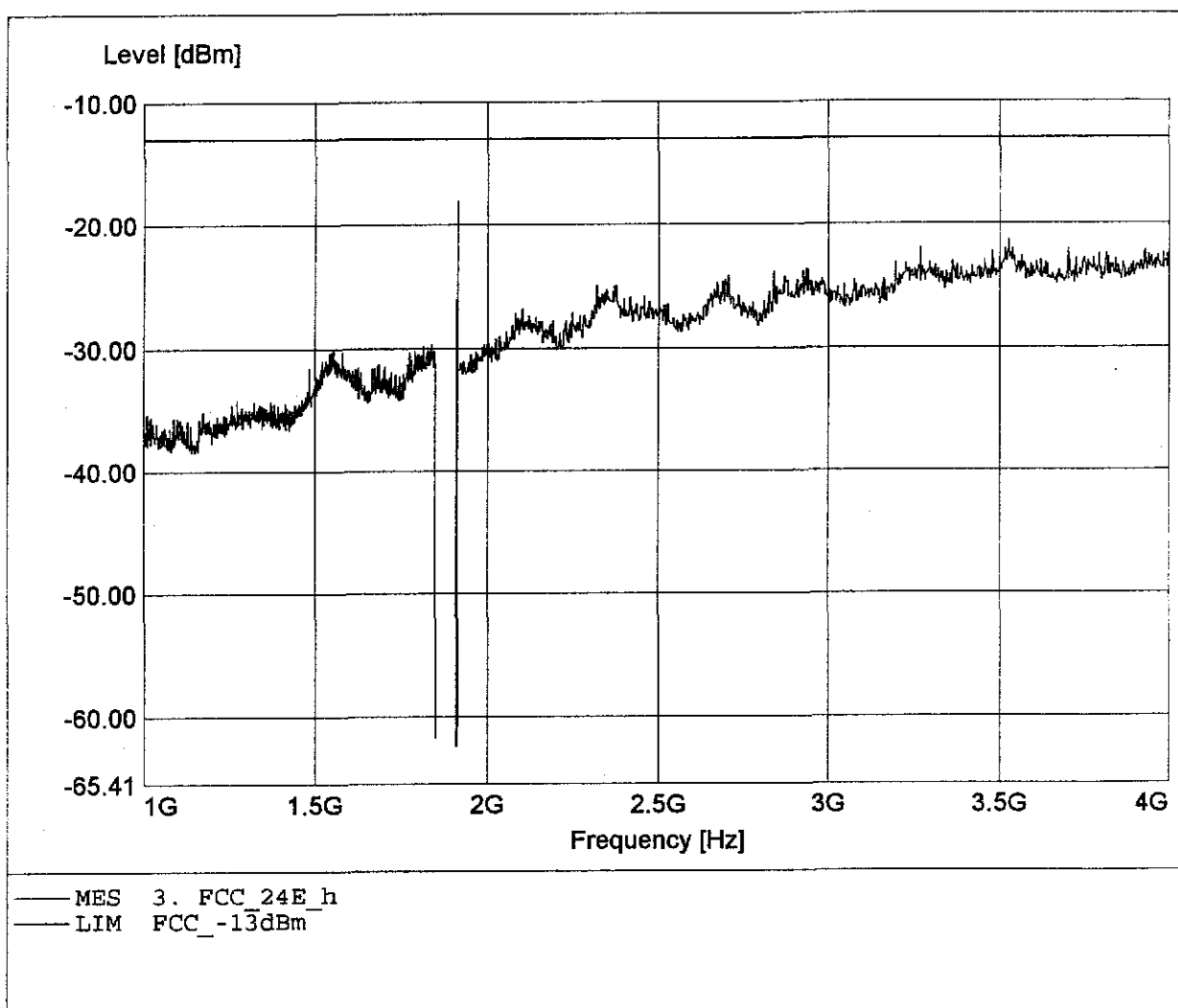
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model:           TELEX 2  
Approval Holder:       Biotronik GmbH  
Channel:                810  
Test Site / Operator:  ETS / Mr.F.Schulz  
Temperature/ Voltage: 22°C / Unom :  
Test Specification:    according to §24.238  
Comment 1:            Dist.: 3m, Ant.: HL025  
Comment 2:            Freq: 1.910GHz, Pmax: -21.14dBm, RBW: 1MHz/20kHz



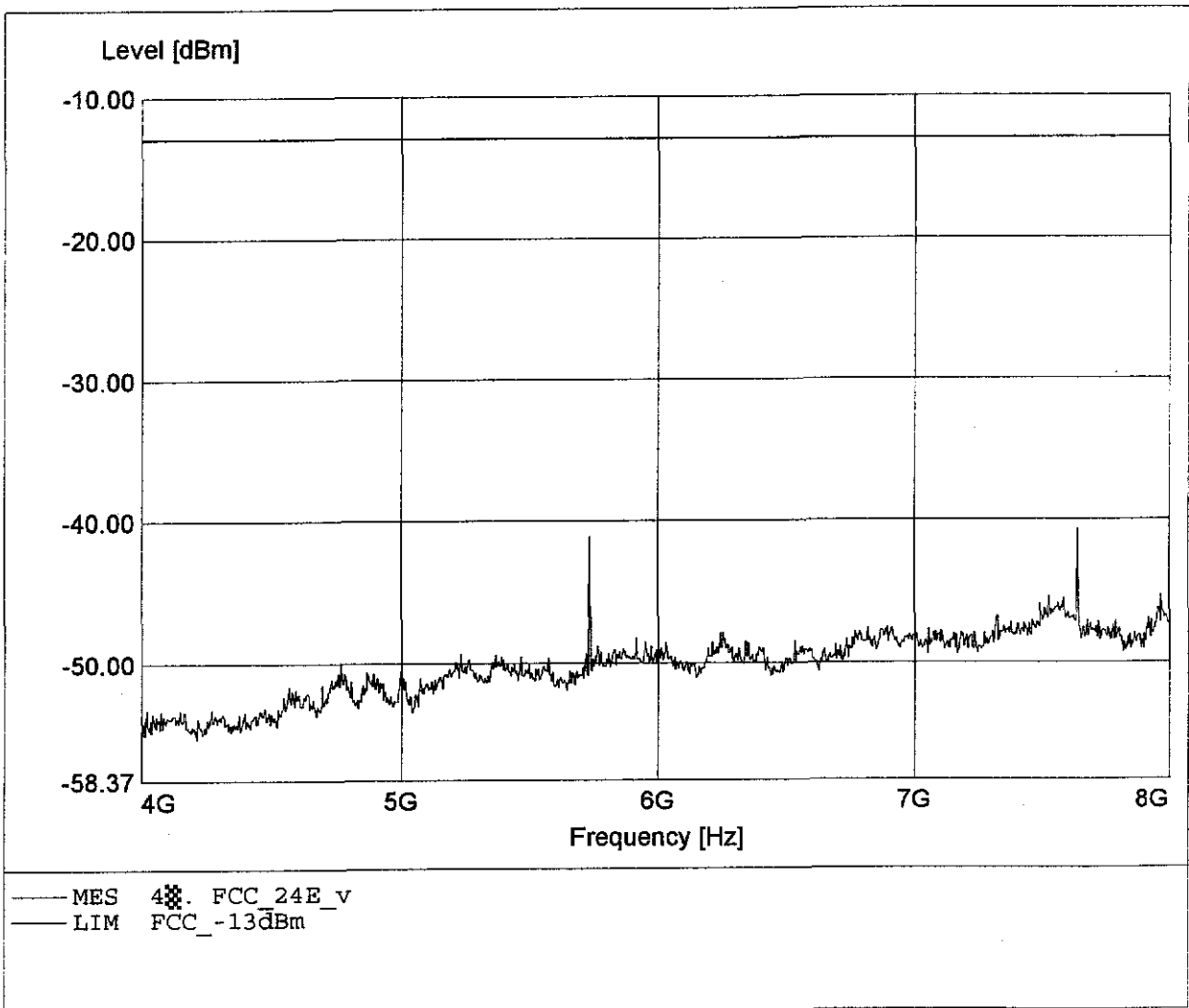
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model:           TELEX 2  
Approval Holder:       Biotronik GmbH  
Channel:                810  
Test Site / Operator:  ETS / Mr.F.Schulz  
Temperature/ Voltage:  22°C / Unom :  
Test Specification:    according to §24.238  
Comment 1:             Dist.: 3m, Ant.: HL025  
Comment 2:             Freq: 1.912GHz, Pmax: -17.94dBm, RBW: 1MHz/20kHz



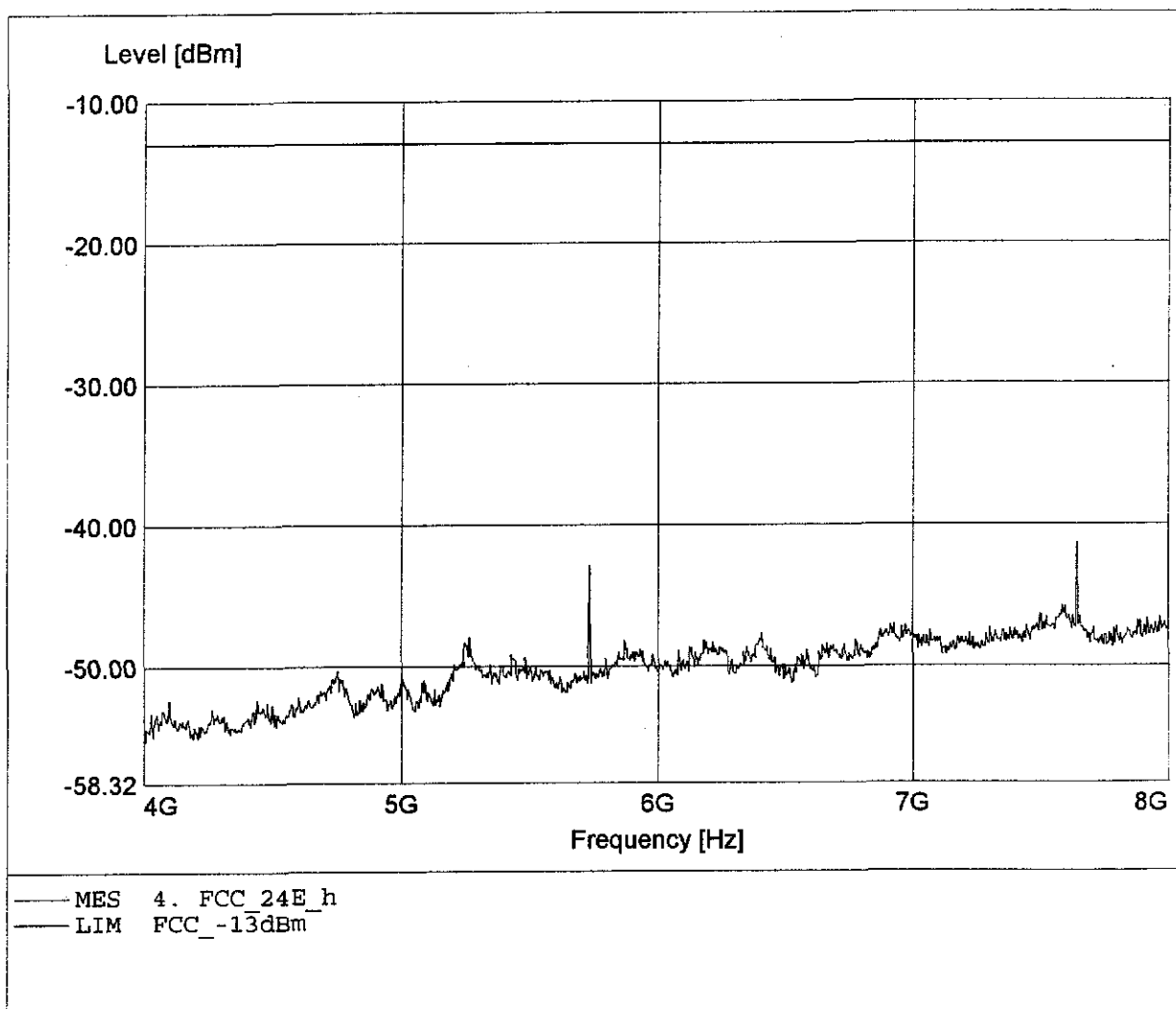
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.640GHz, Pmax: -40.64dBm, RBW: 1MHz



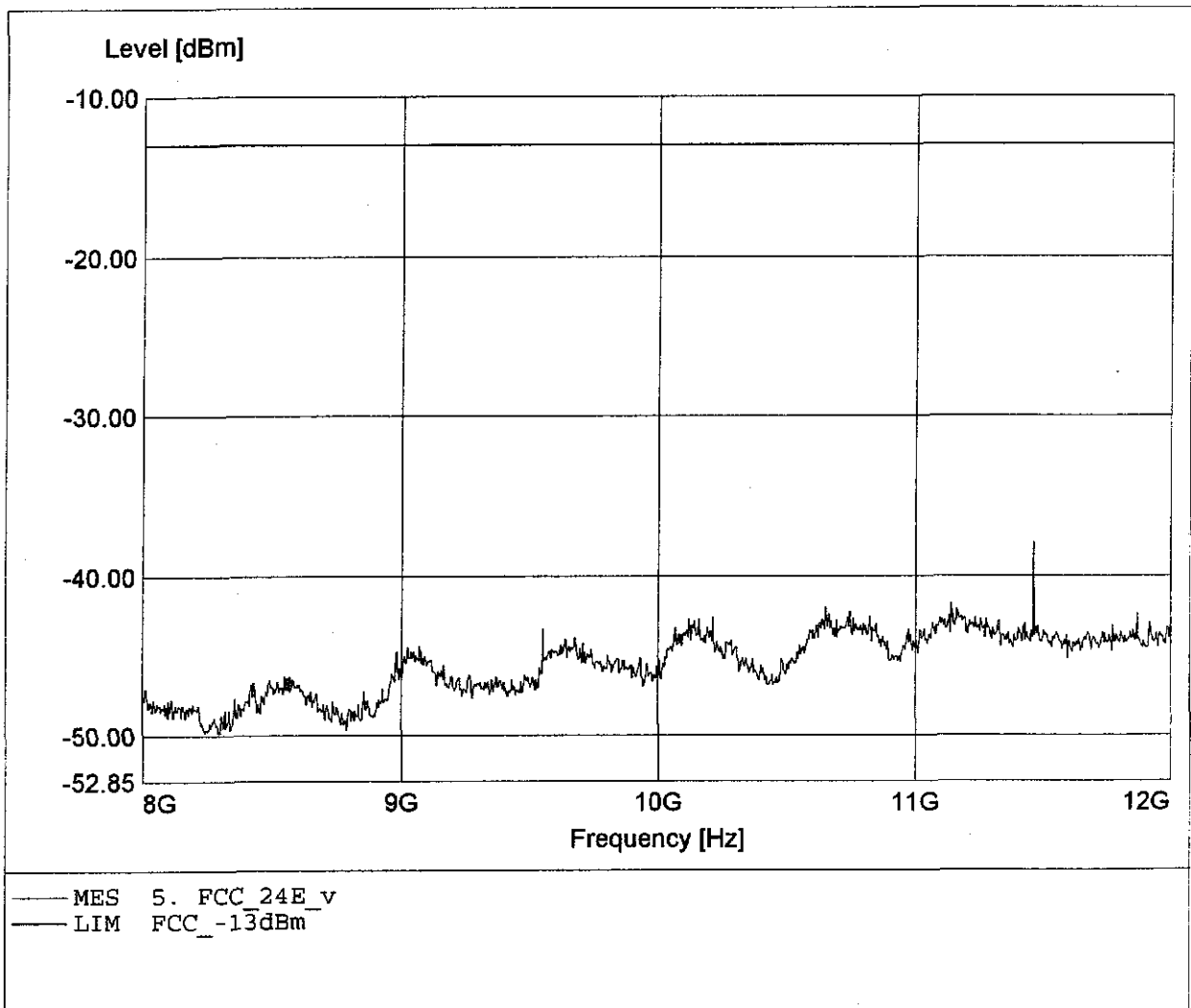
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.640GHz, Pmax: -41.34dBm, RBW: 1MHz



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

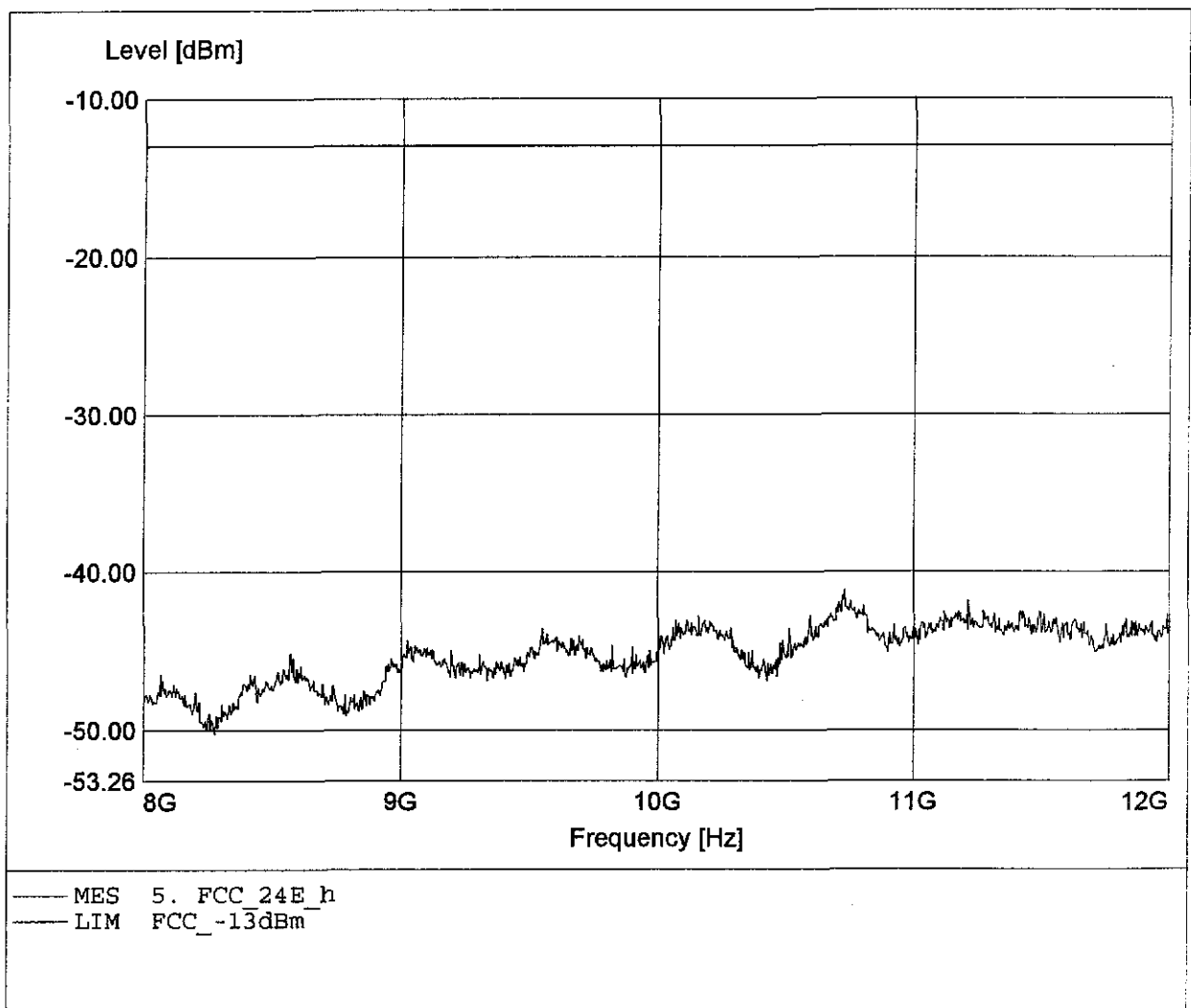
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Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.462GHz, Pmax: -37.89dBm, RBW: 1MHz





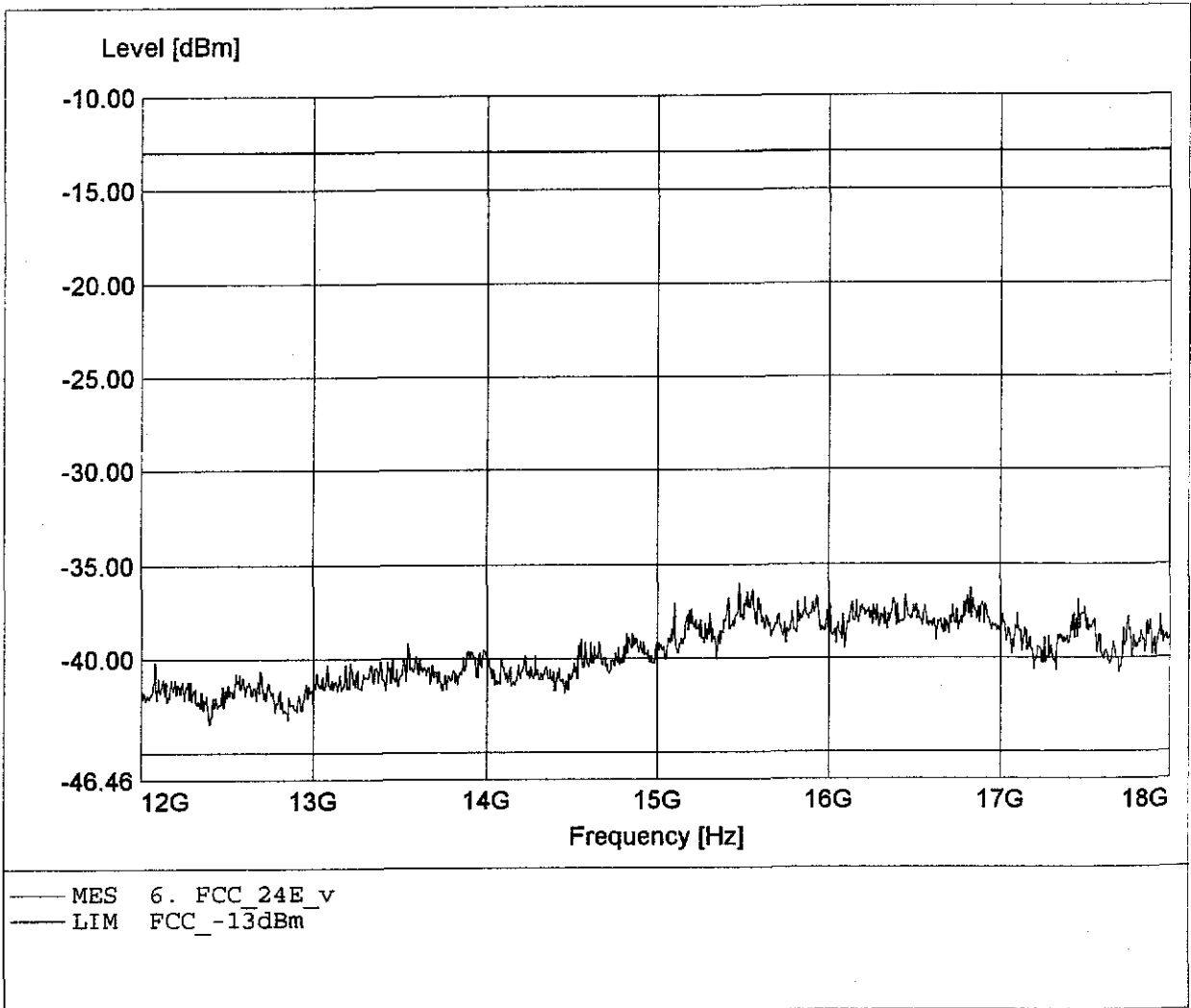
**Radiated Emissions Tx**  
**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 10.733GHz, Pmax: -41.13dBm, RBW: 1MHz



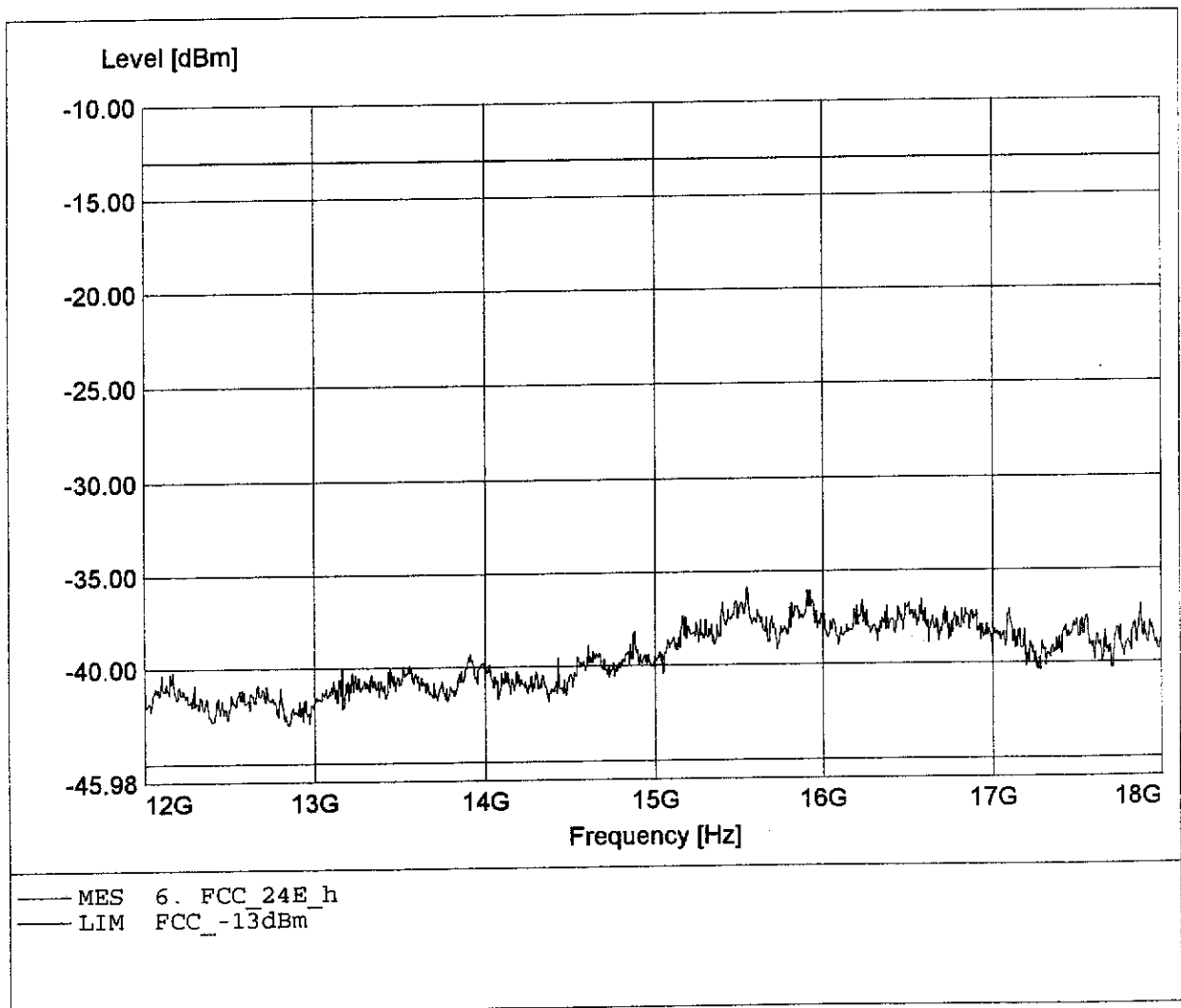
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.473GHz, Pmax: -35.98dBm, RBW: 1MHz



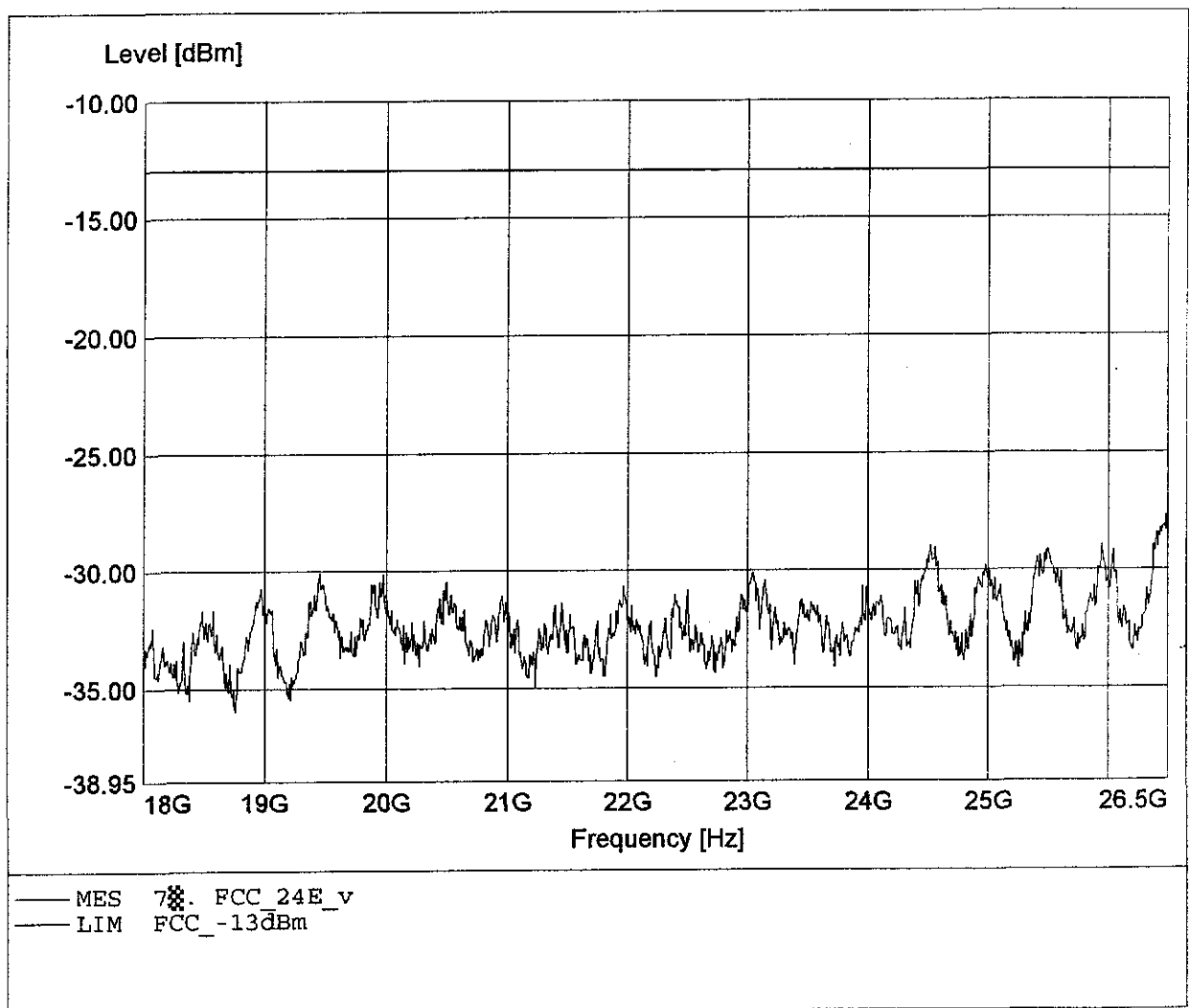
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.547GHz, Pmax: -35.86dBm, RBW: 1MHz



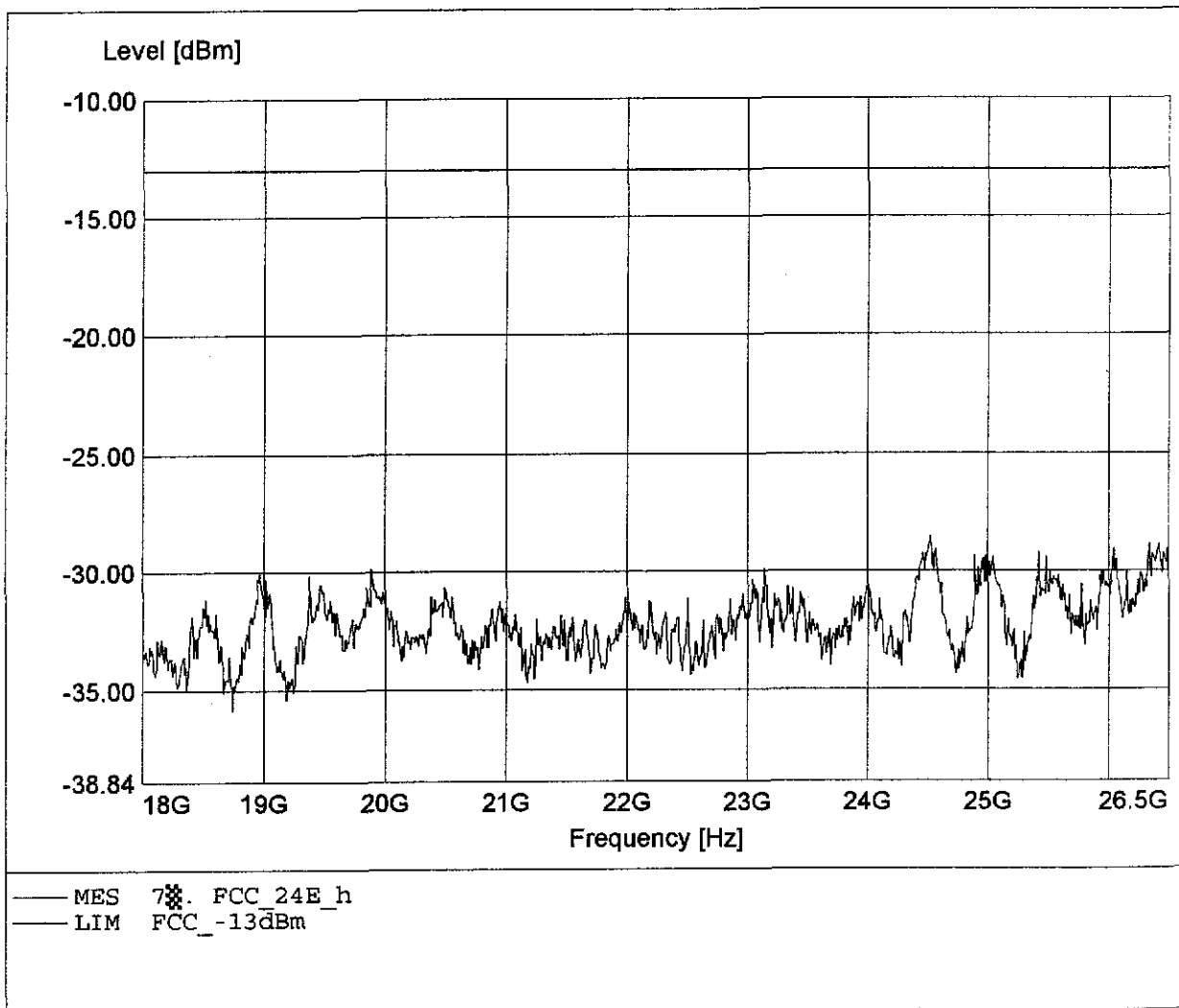
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**FCC RULES PART 24 SUBPART E**

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.491GHz, Pmax: -27.70dBm, RBW: 1MHz



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

EUT / Model: Telex 2  
Approval Holder: Biotronik GmbH  
Channel: 810  
Test Site / Operator: ETS / Mr. F.Schulz  
Temperature/ Voltage: 22°C / Unom  
Test Specification: according to §24.238  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.526GHz, Pmax: -28.54dBm, RBW: 1MHz





## Appendix F

Line Conducted Emissions

No test



## Appendix G

Frequency Stability vs. Temperature

Refer to point 10.2

**Frequency Stability**

**Contents**

Method of Measurement..... 24  
 Measurement Limit ..... 25  
 Frequency Stability Plots  
     Carrier Stability Over Voltage..... 26  
     Carrier Stability Over Temperature ..... 26

**Method of Measurement:**

In order to measure the carrier frequency under the condition of AFC lock, see EXHIBIT 12, it is necessary to make measurements with the mobile station in a "call mode". This is accomplished with the use of a Hewlett Packard 8922H GSM MS Test Set.

1. Measure the carrier frequency at room temperature.
2. Subject the mobile station to overnight soak at -30 C.
3. With the mobile station, powered via 4.8 Volts, connected to the 8922H and in a simulated call on channel 662 (center channel), measure the carrier frequency. These measurements should be made within 2 minutes of powering up the mobile station, to prevent significant self warming.
4. Repeat the above measurements at 10 C increments from -30 C to +60 C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal 4.8 Volts. Vary supply voltage from minimum 3 Volts to maximum 6 Volts, in 0.2 Volt increments re-measuring carrier frequency at each voltage.
6. Subject the mobile station to overnight soak at +60 C.
7. With the mobile station, powered via 3 Volts, connected to the 8922H and in a simulated call on channel 662 (center channel), measure the carrier frequency. These measurements should be made within 2 minutes of powering up the mobile station, to prevent significant self warming.
8. Repeat the above measurements at 10 C increments from +60 C to -30 C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.

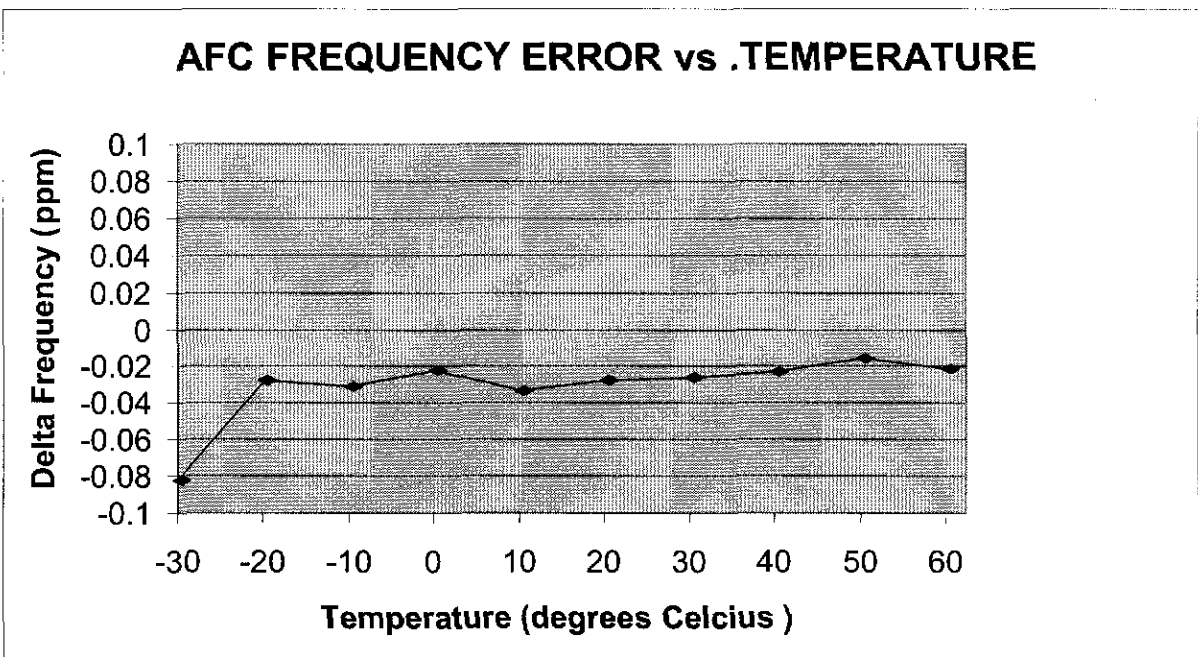
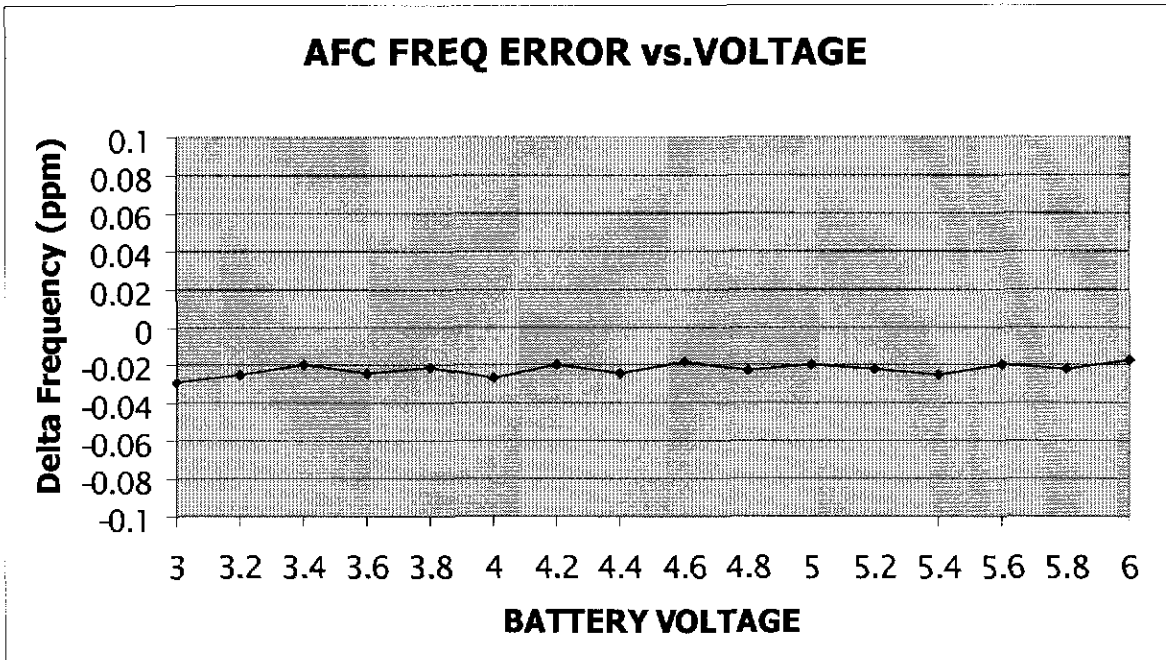


9. At all temperature levels hold the temperature to +/- 0.5 C during the measurement procedure.

#### **Measurement Limit**

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

As this transceiver is considered "Hand carried, battery powered equipment..." Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of between 3 Vdc and 6 Vdc, with a nominal voltage of 4.8 Vdc (based on operation off of a 3-cell Nickel-Metal Hydride battery pack). Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress. These voltages represent a tolerance of + 25 % and - 18 %. For the purposes of measuring frequency stability these voltage limits are to be used.





## Appendix H

Frequency Stability vs. Voltage

Refer to point 11.2

**Frequency Stability**

**Contents**

Method of Measurement..... 24  
 Measurement Limit ..... 25  
 Frequency Stability Plots  
     Carrier Stability Over Voltage..... 26  
     Carrier Stability Over Temperature ..... 26

**Method of Measurement:**

In order to measure the carrier frequency under the condition of AFC lock, see EXHIBIT 12, it is necessary to make measurements with the mobile station in a "call mode". This is accomplished with the use of a Hewlett Packard 8922H GSM MS Test Set.

1. Measure the carrier frequency at room temperature.
2. Subject the mobile station to overnight soak at -30 C.
3. With the mobile station, powered via 4.8 Volts, connected to the 8922H and in a simulated call on channel 662 (center channel), measure the carrier frequency. These measurements should be made within 2 minutes of powering up the mobile station, to prevent significant self warming.
4. Repeat the above measurements at 10 C increments from -30 C to +60 C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal 4.8 Volts. Vary supply voltage from minimum 3 Volts to maximum 6 Volts, in 0.2 Volt increments re-measuring carrier frequency at each voltage.
6. Subject the mobile station to overnight soak at +60 C.
7. With the mobile station, powered via 3 Volts, connected to the 8922H and in a simulated call on channel 662 (center channel), measure the carrier frequency. These measurements should be made within 2 minutes of powering up the mobile station, to prevent significant self warming.
8. Repeat the above measurements at 10 C increments from +60 C to -30 C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.

9. At all temperature levels hold the temperature to +/- 0.5 C during the measurement procedure.

### **Measurement Limit**

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

As this transceiver is considered "Hand carried, battery powered equipment..." Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of between 3 Vdc and 6 Vdc, with a nominal voltage of 4.8 Vdc (based on operation off of a 3-cell Nickel-Metal Hydride battery pack). Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress. These voltages represent a tolerance of + 25 % and - 18 %. For the purposes of measuring frequency stability these voltage limits are to be used.

