

Appendix B

RF Power Output

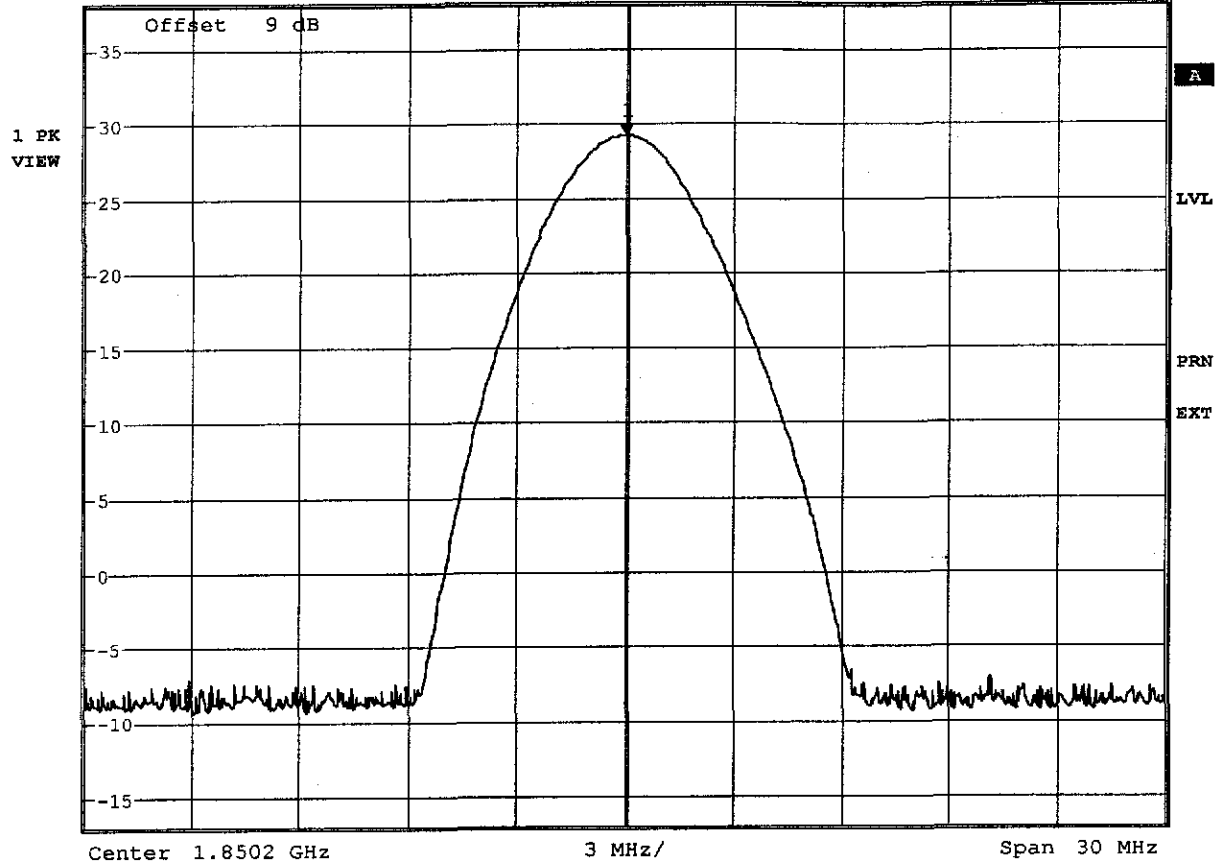


*RBW 3 MHz Marker 1 [T1]
*VBW 3 MHz 29.13 dBm
SWT 2.5 ms 1.850200000 GHz

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

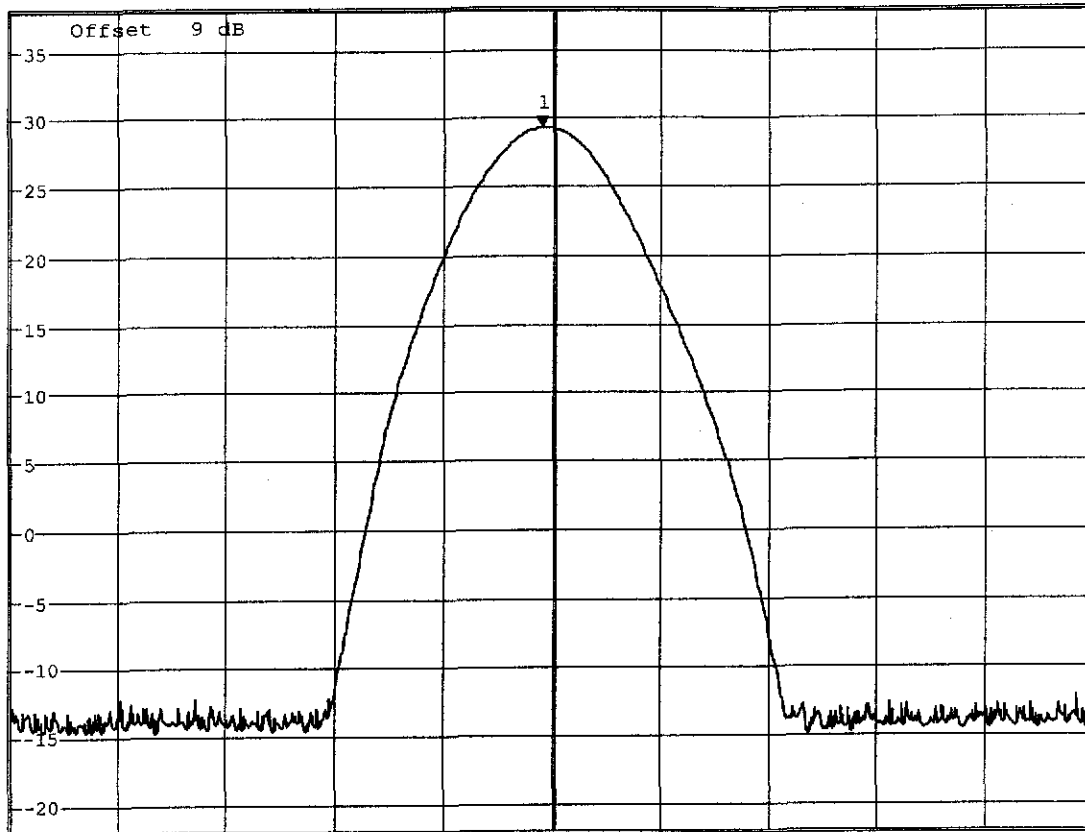


*RBW 3 MHz Marker 1 [T1]
*VBW 3 MHz 29.24 dBm
SWT 2.5 ms 1.879911538 GHz

Ref 38 dBm

Att 55 dB

1 PK
VIEW



Center 1.8802 GHz

3 MHz/

Span 30 MHz

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

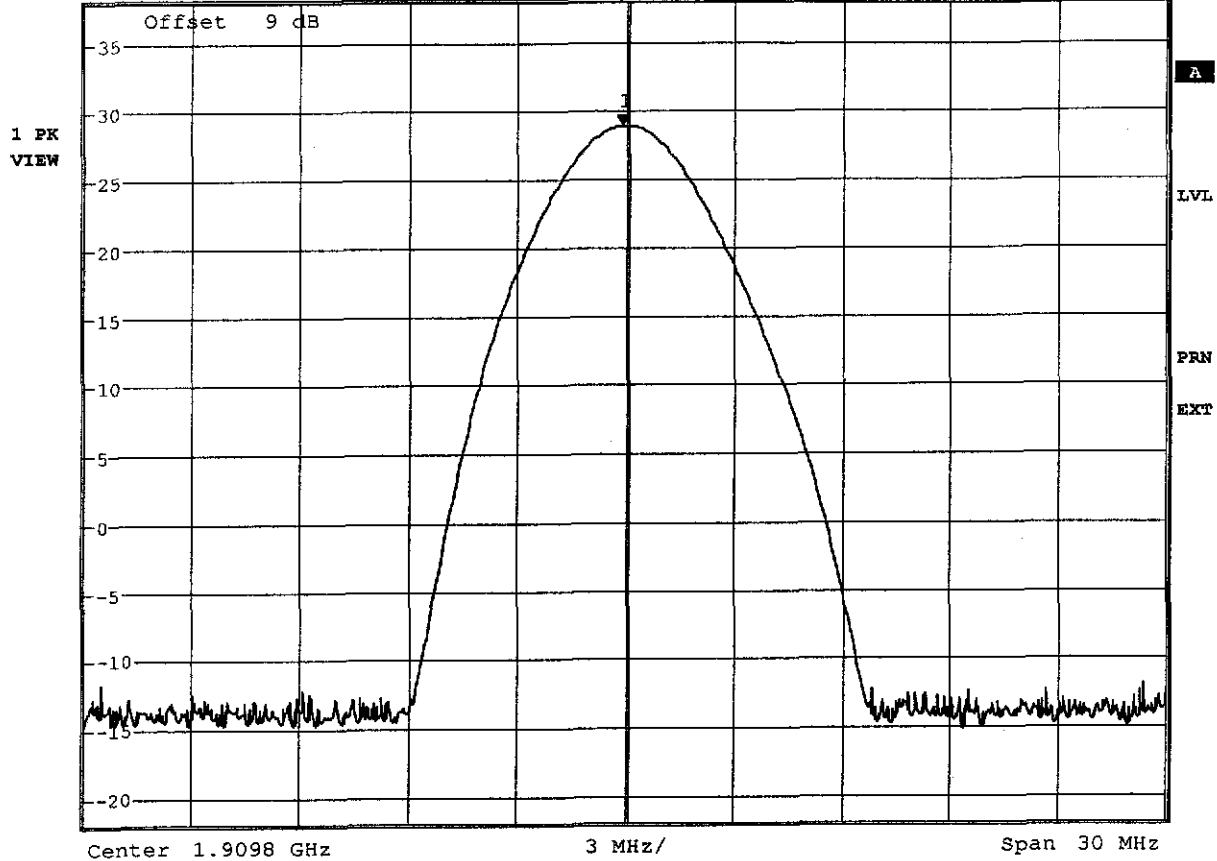


*RBW 3 MHz Marker 1 [T1]
*VBW 3 MHz 28.89 dBm
SWT 2.5 ms 1.909703846 GHz

Ref 38 dBm

Att 55 dB

1.909703846 GHz



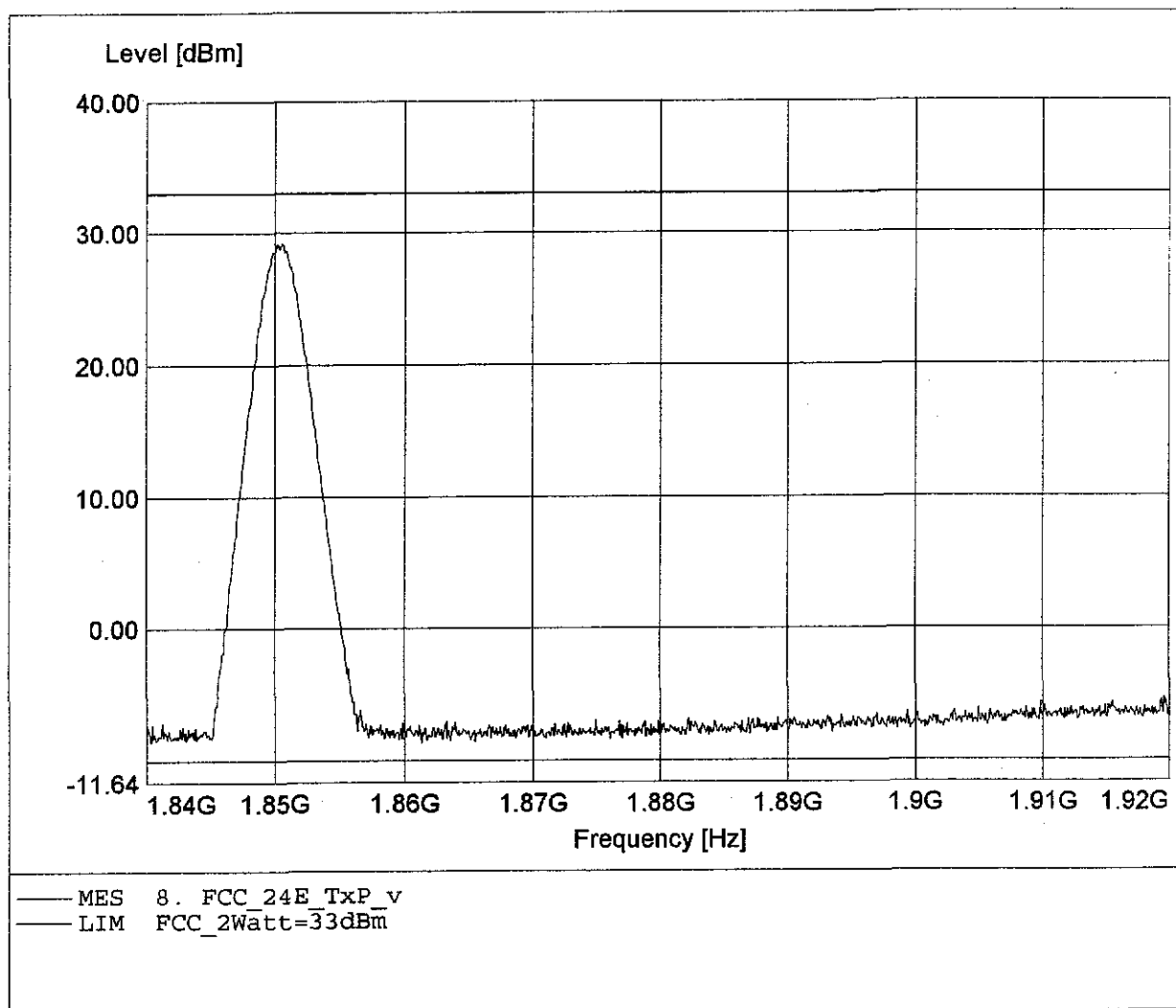
Comment A: Outputpower conducted Channel 810 Model: Telex 2
Date: 19.NOV.2002 09:18:38

Appendix C

Radiated Power

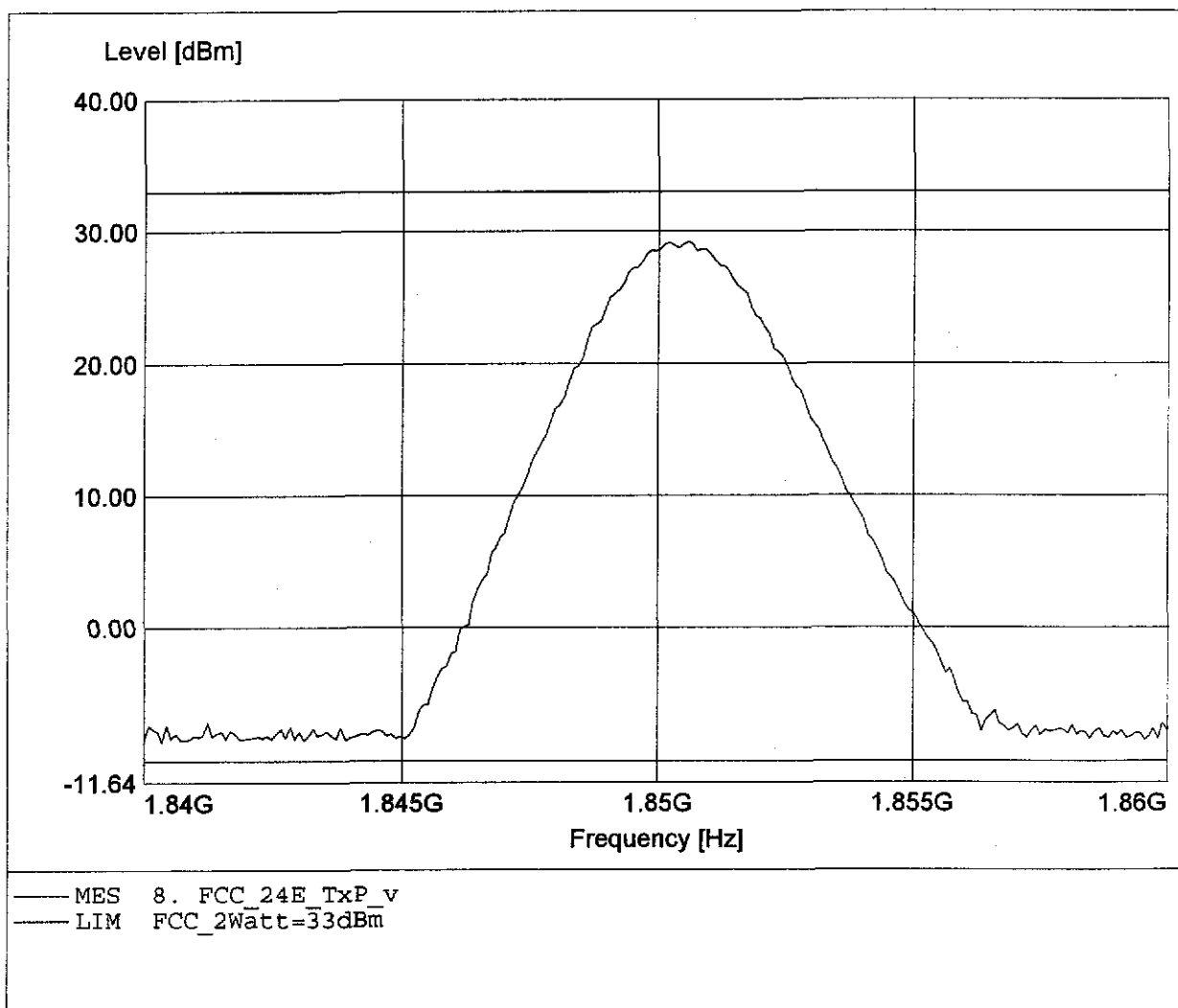
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



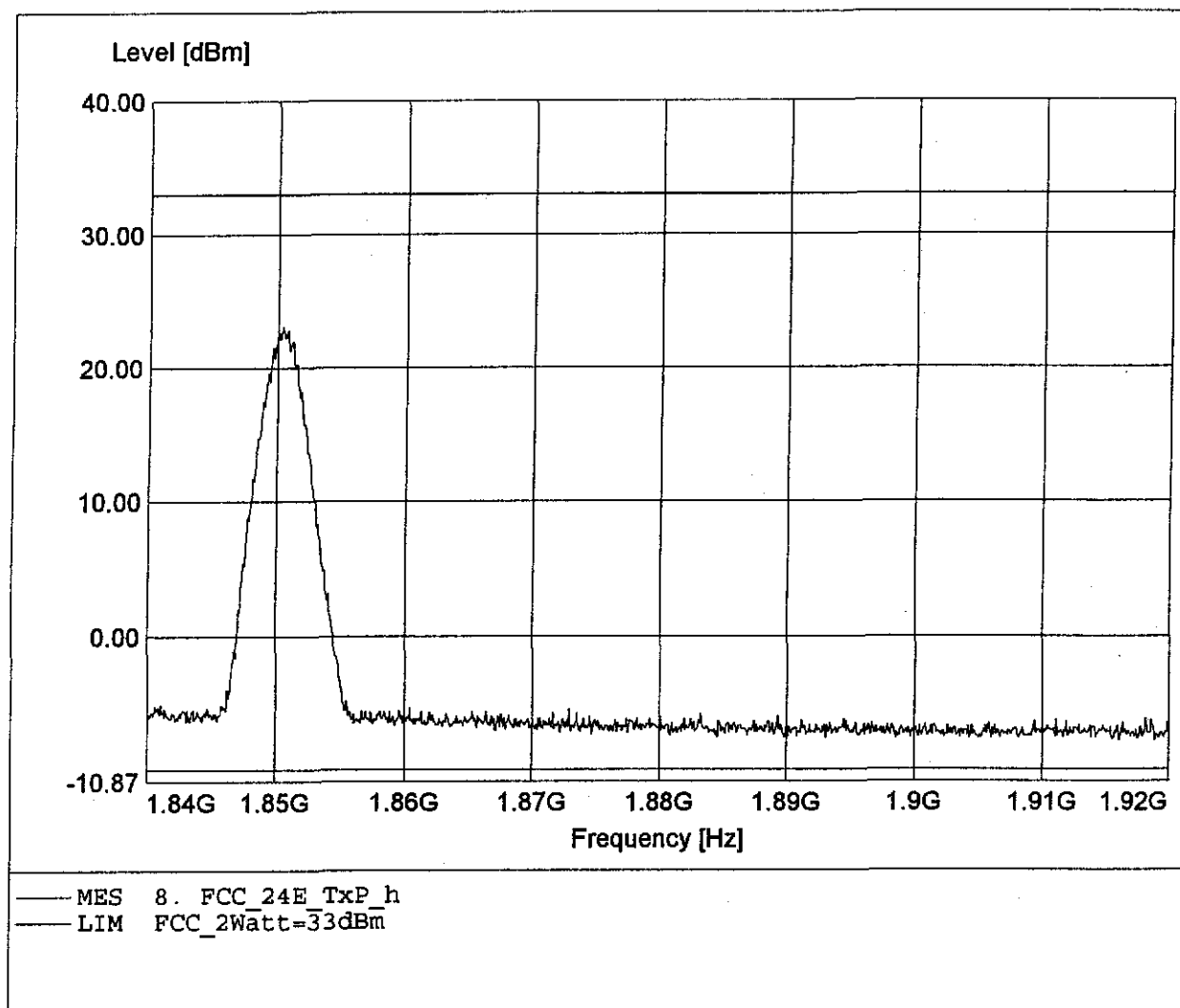
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



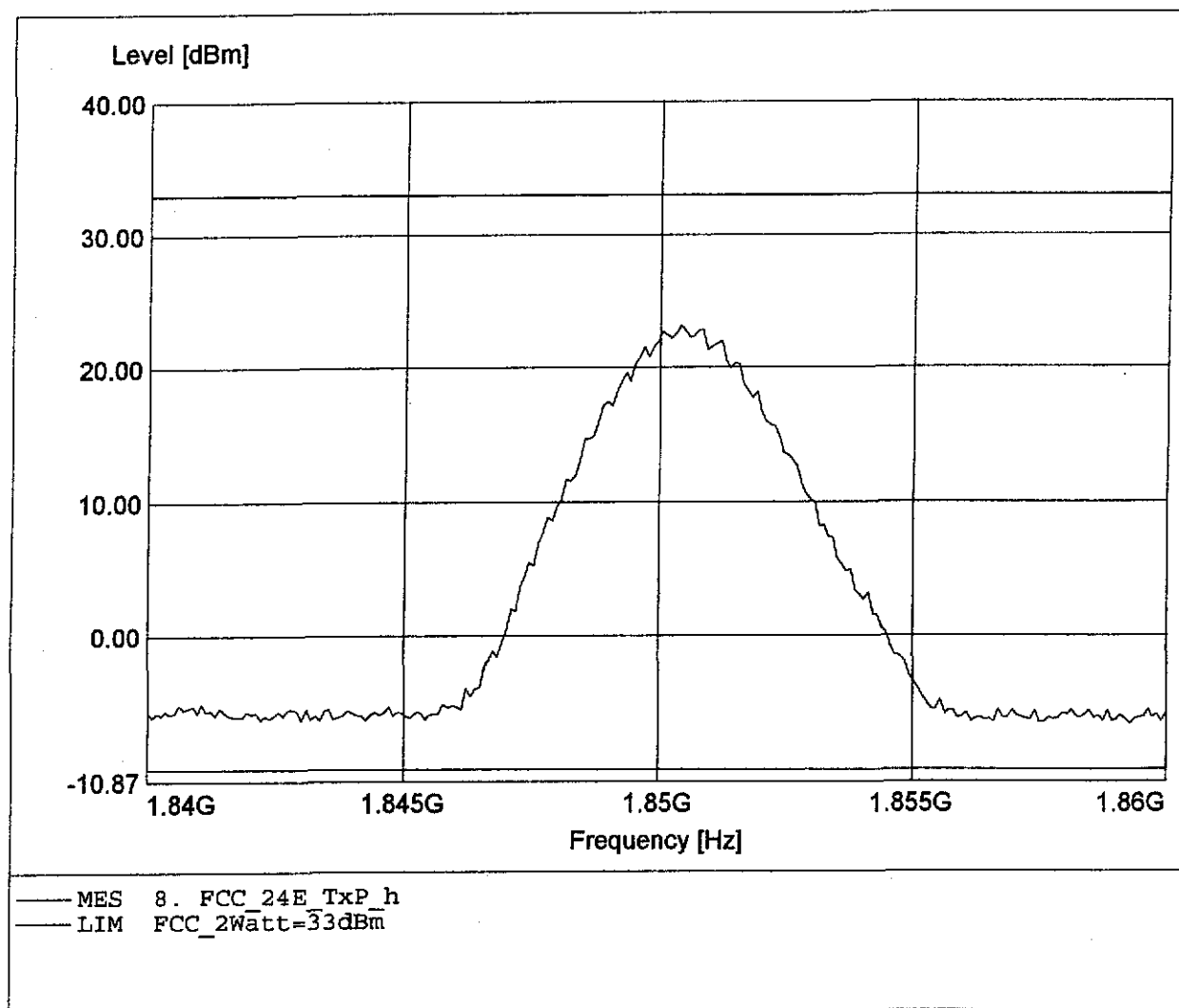
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



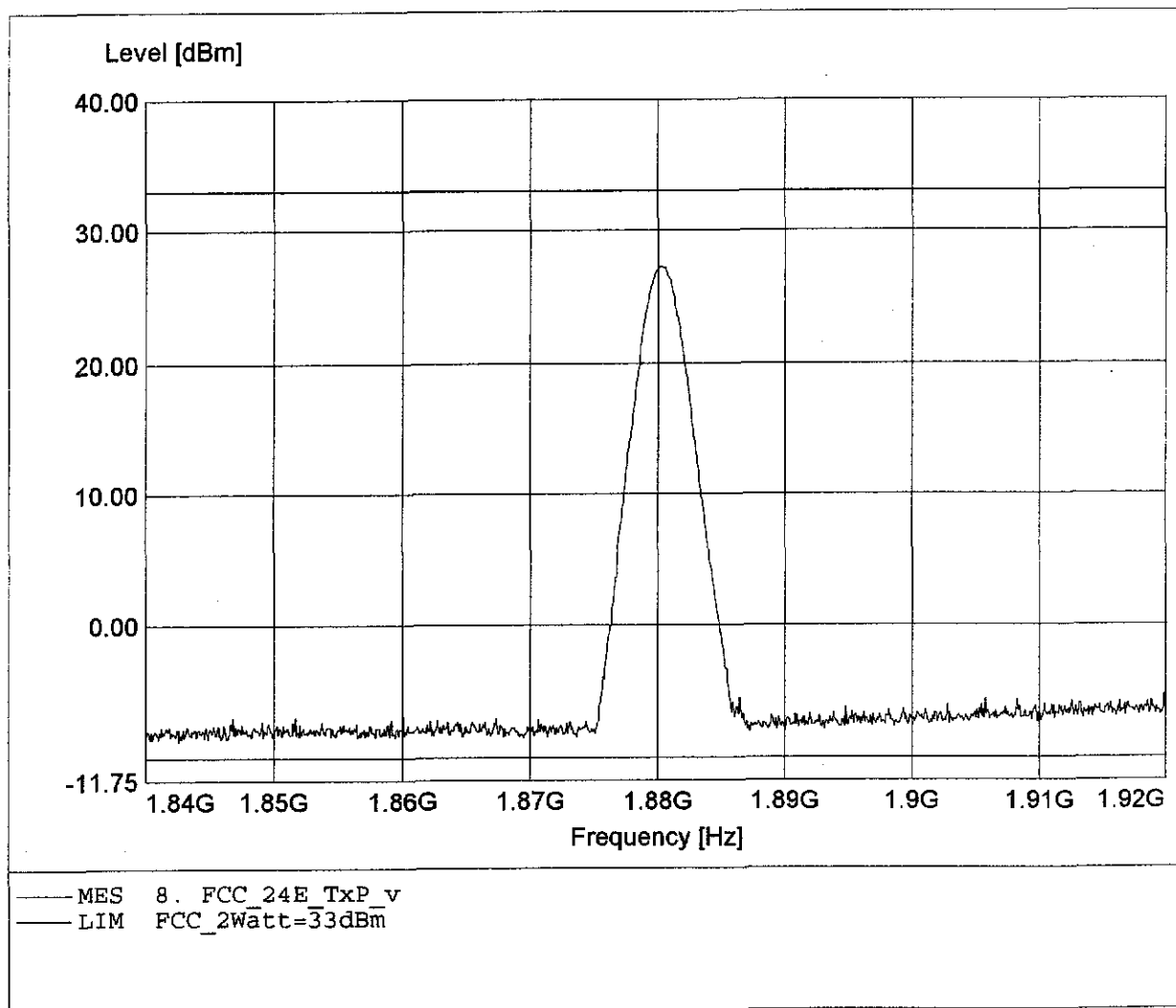
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



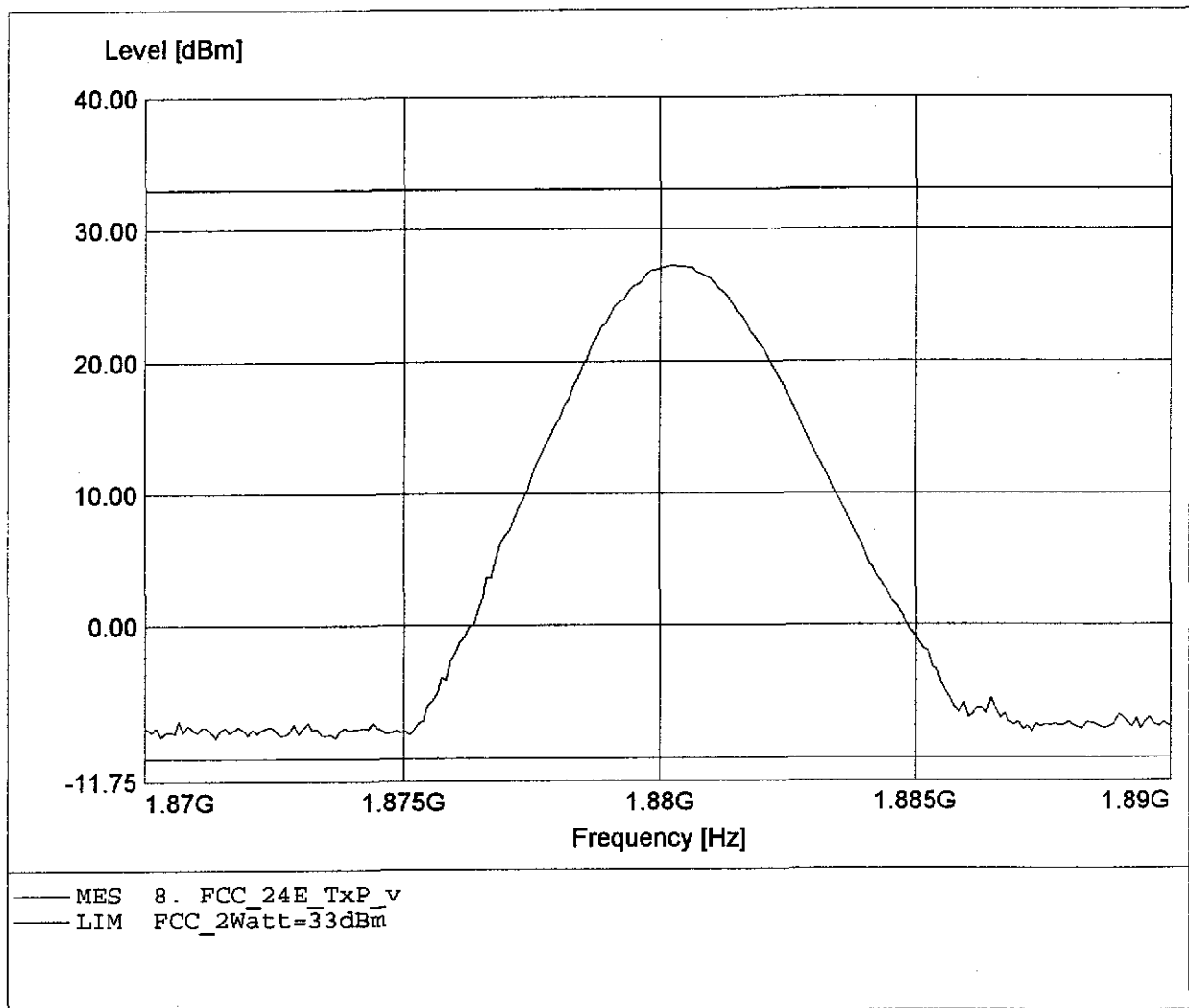
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



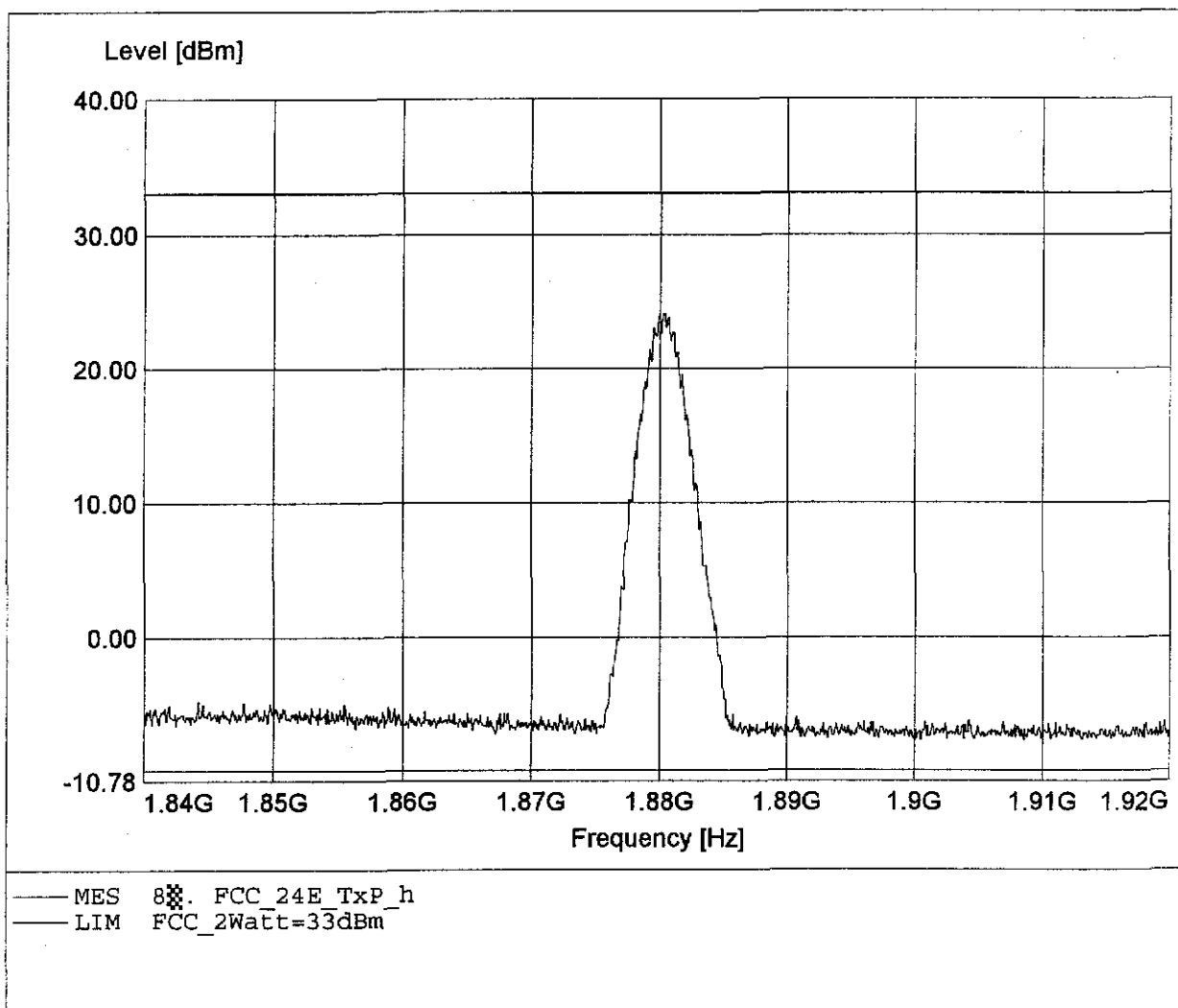
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



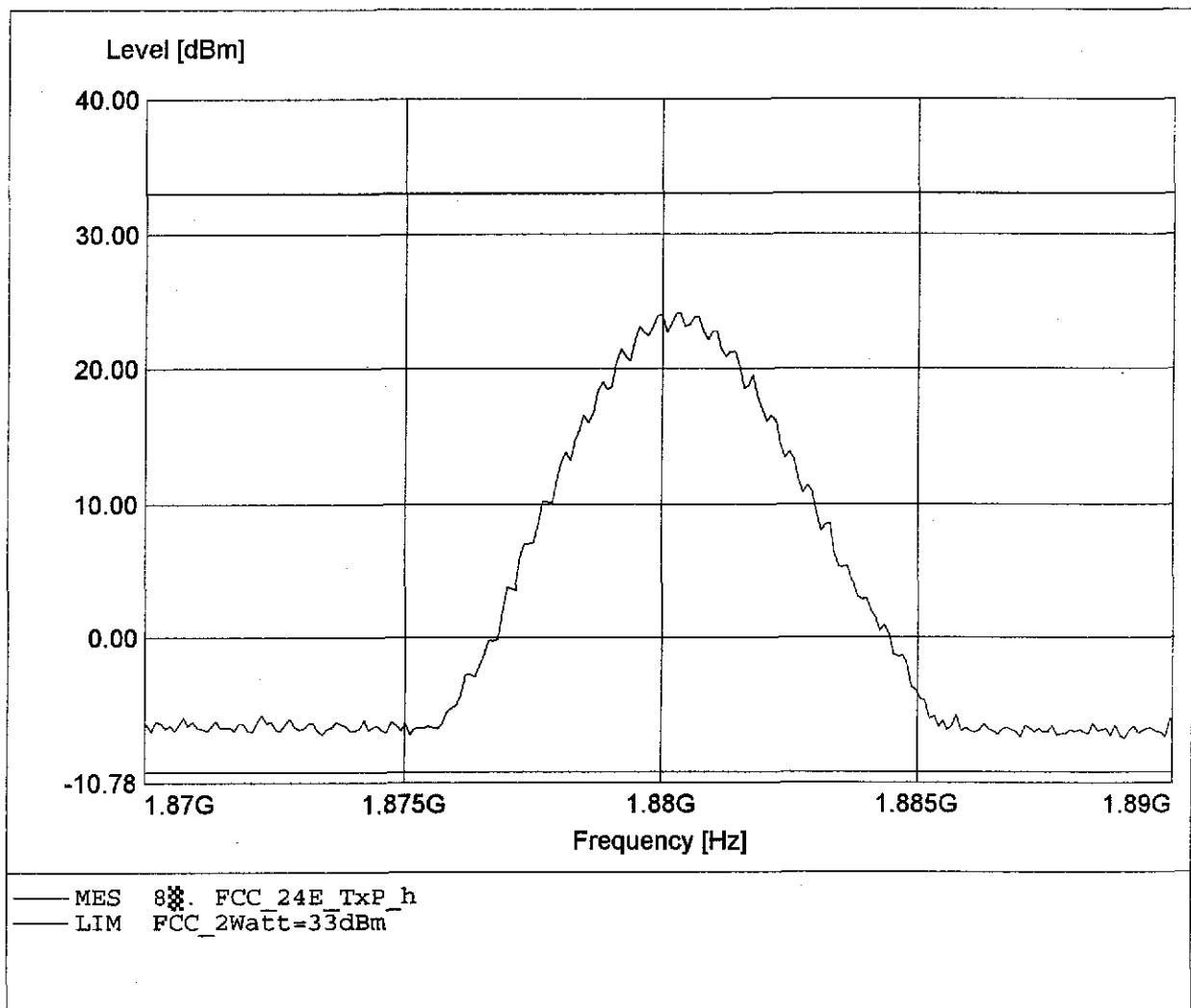
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



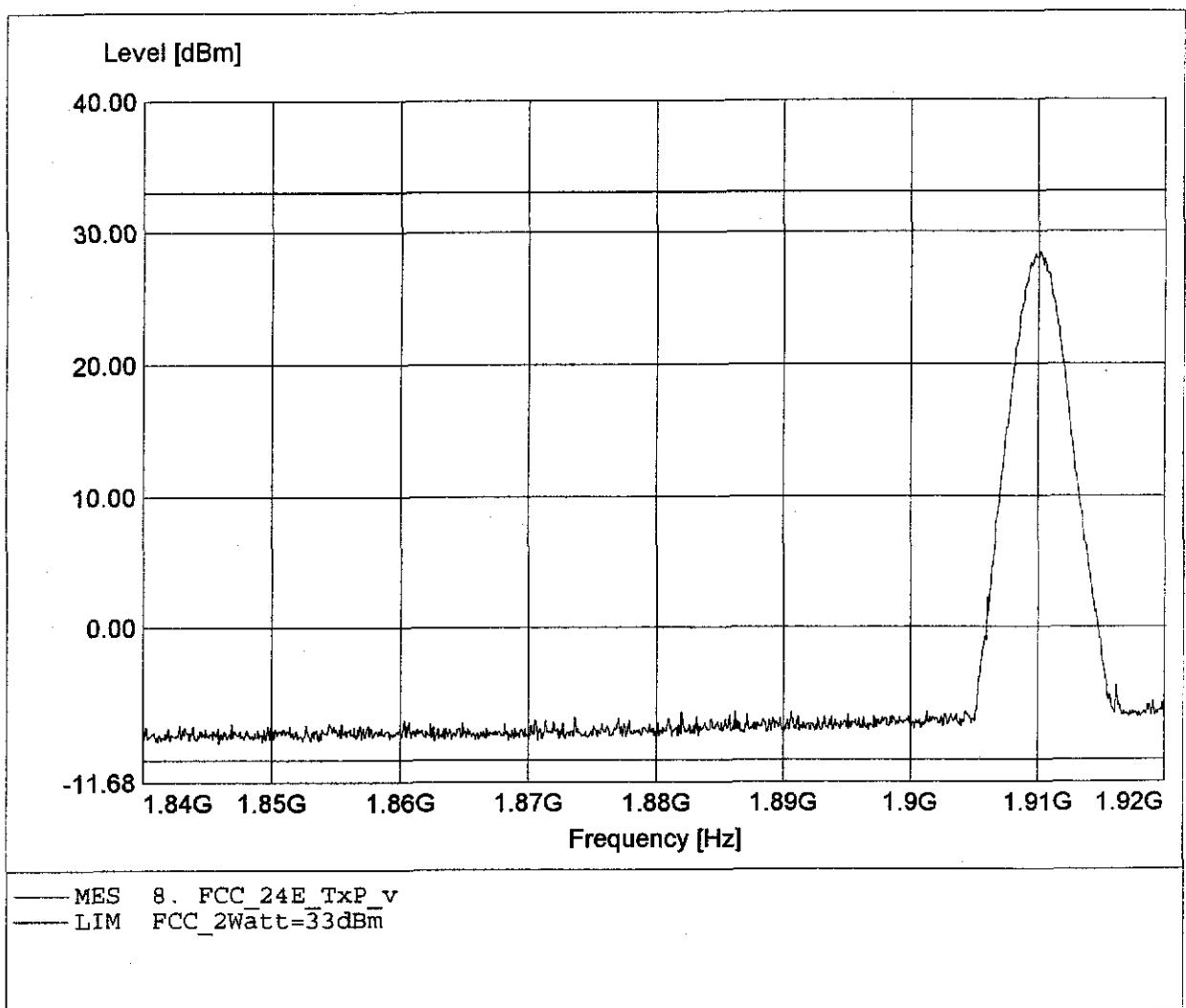
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



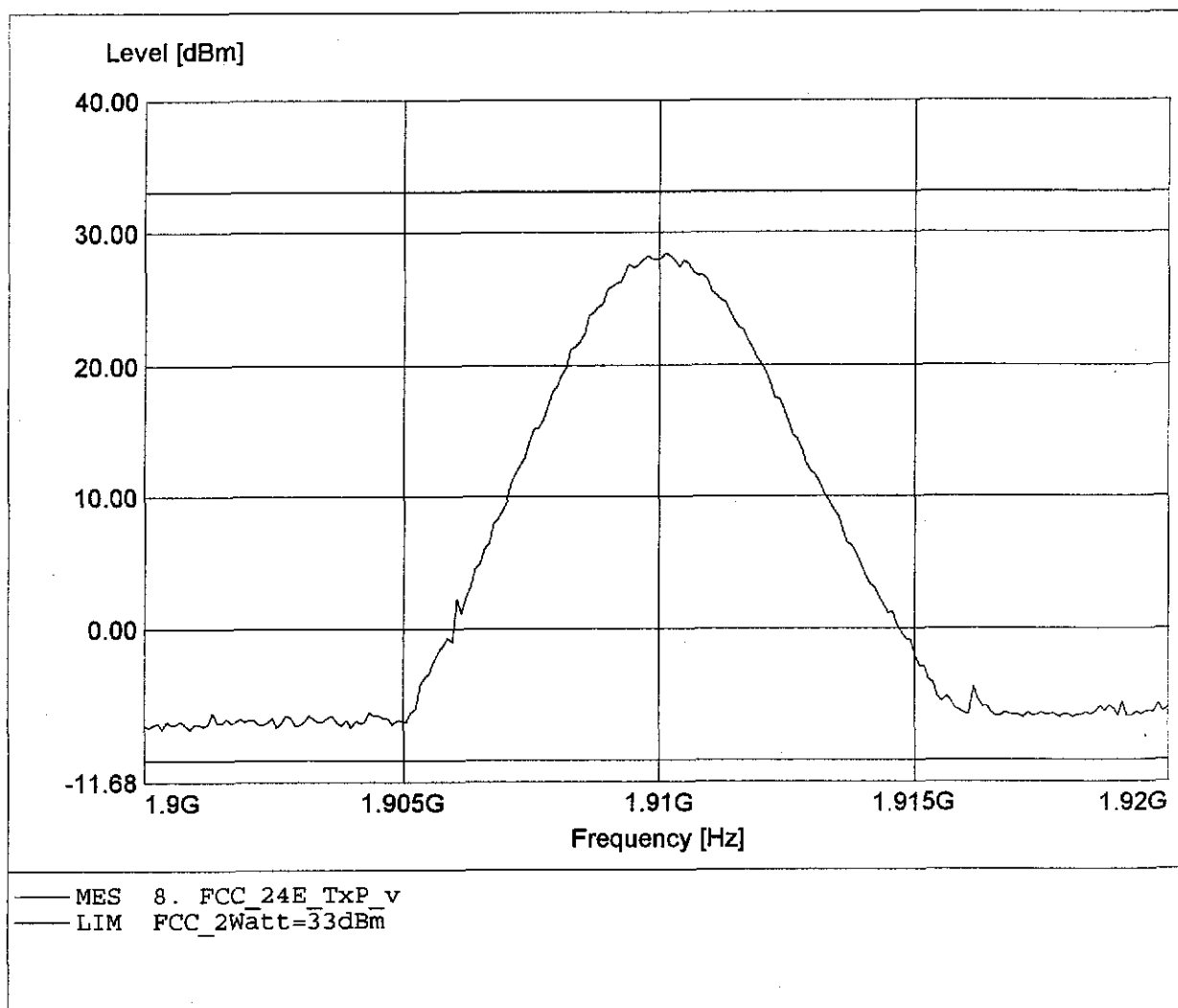
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



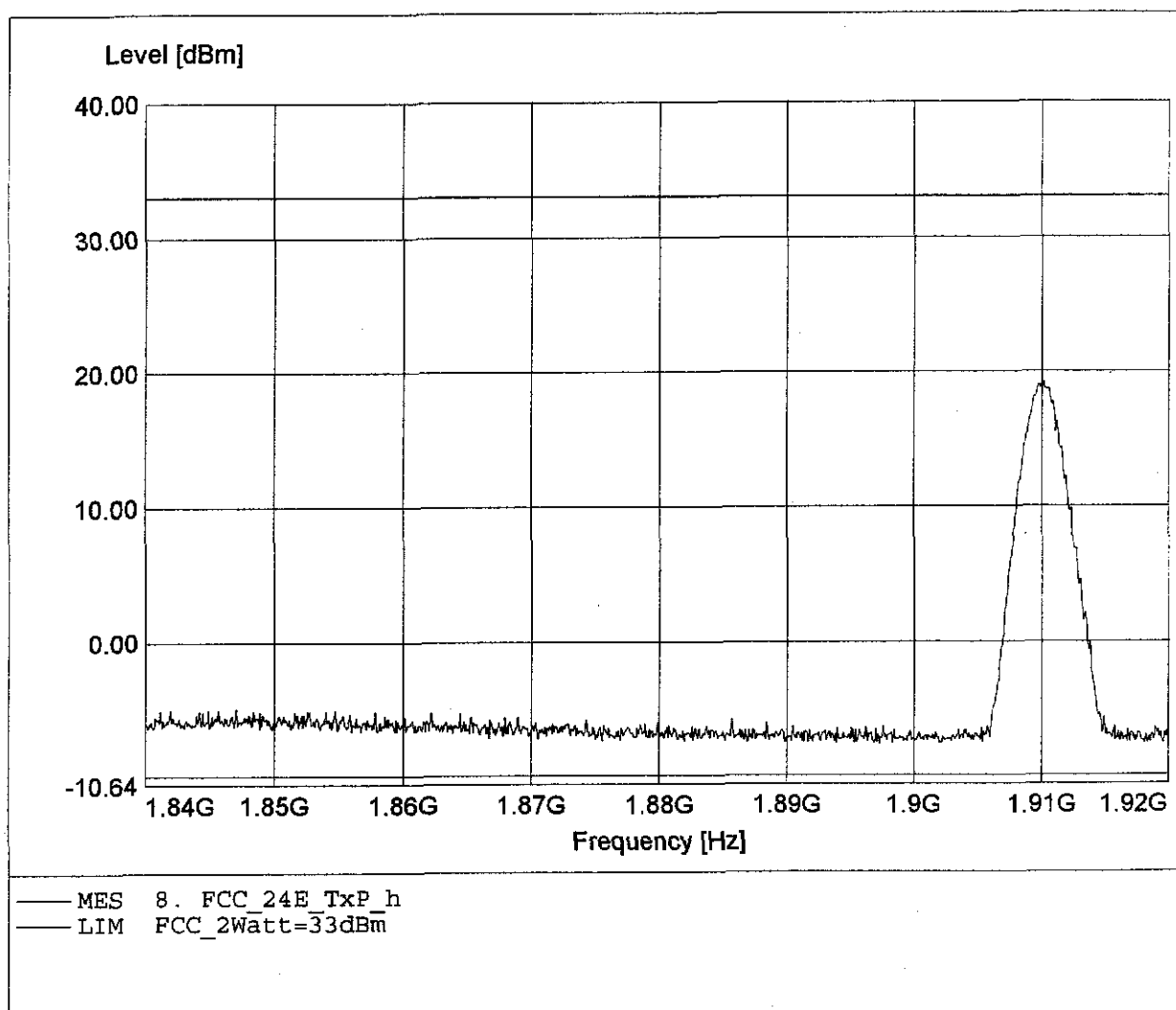
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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



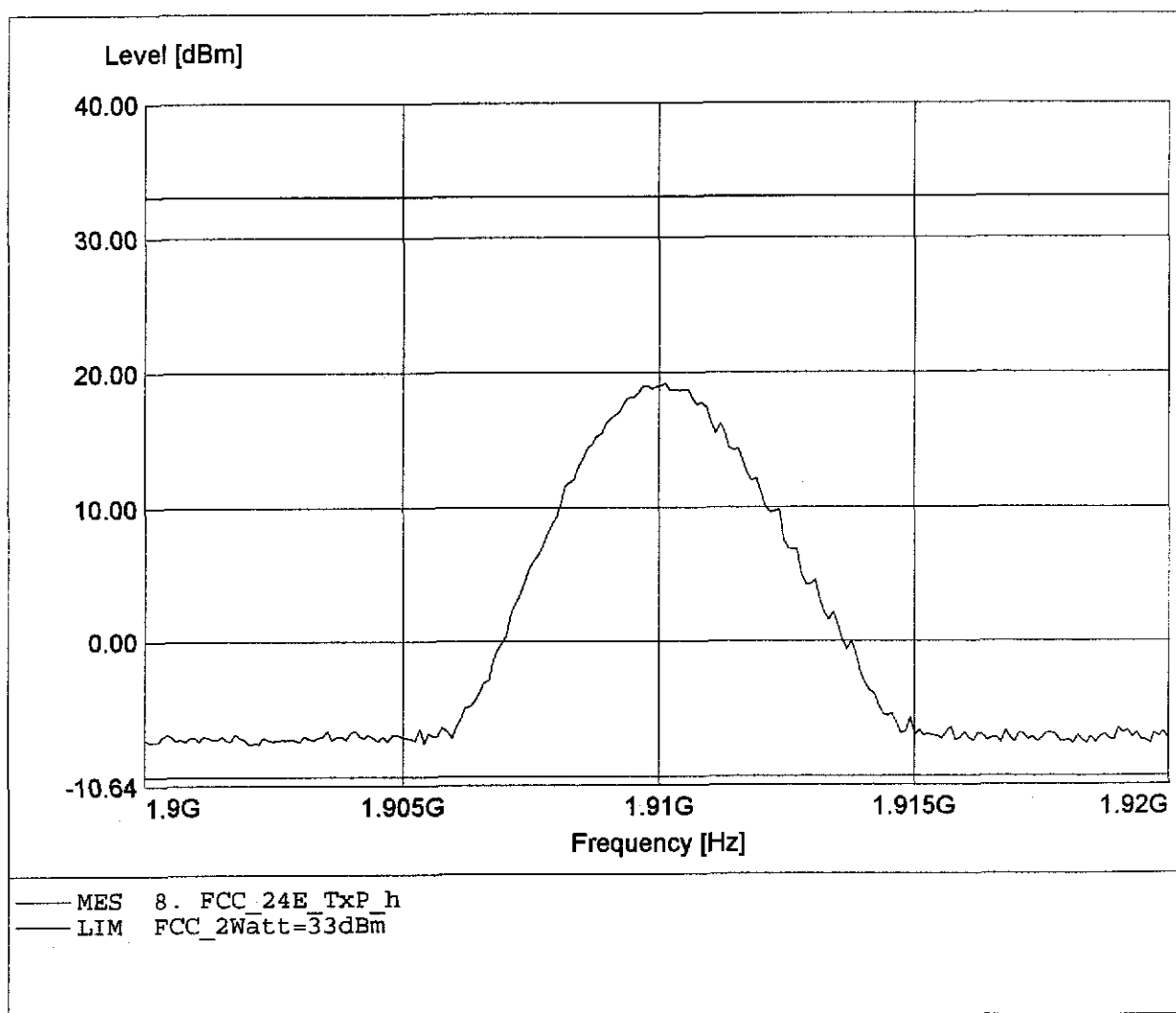
Equivalent Isotropically Radiated Power
FCC RULES PART 24 SUBPART E

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

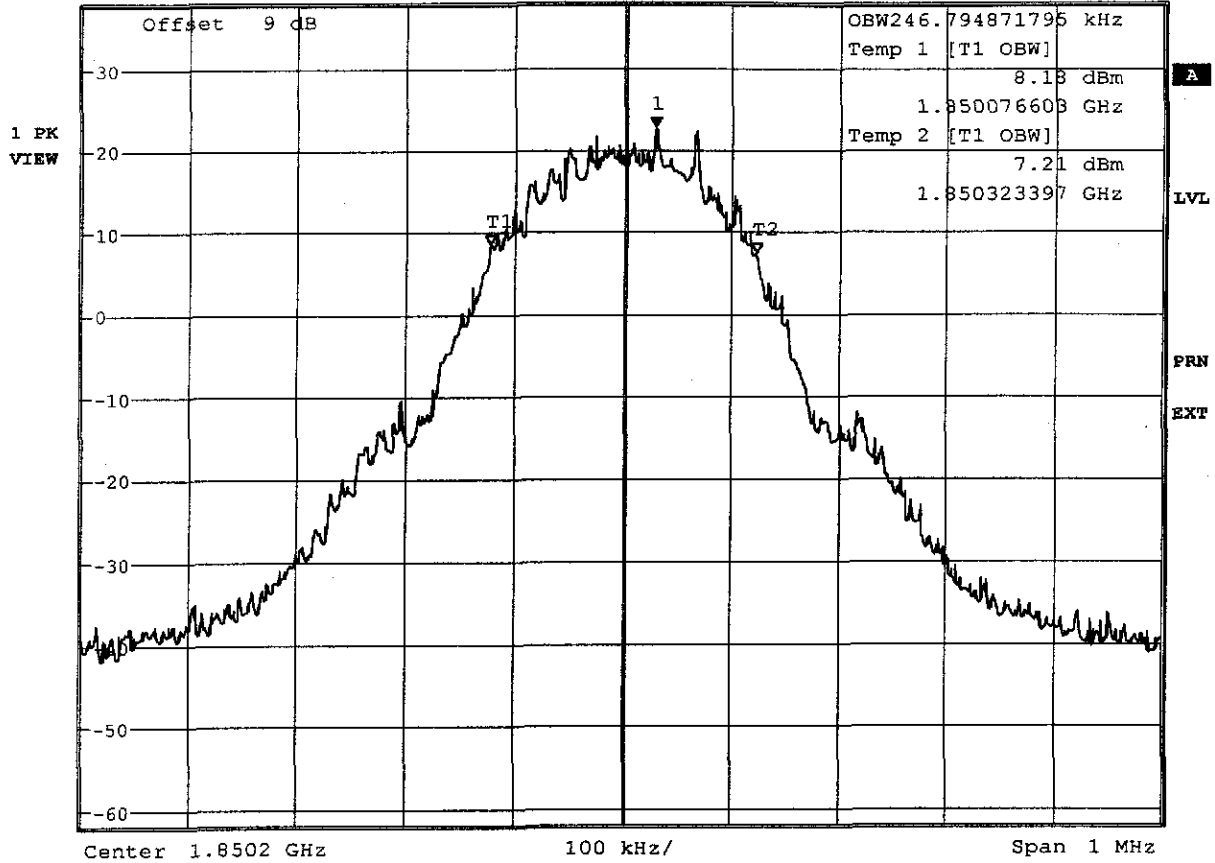


Appendix D

Occupied Bandwidth



*RBW 3 kHz Marker 1 [T1]
*VBW 3 kHz 22.55 dBm
Ref 38 dBm Att 55 dB SWT 190 ms 1.850228846 GHz

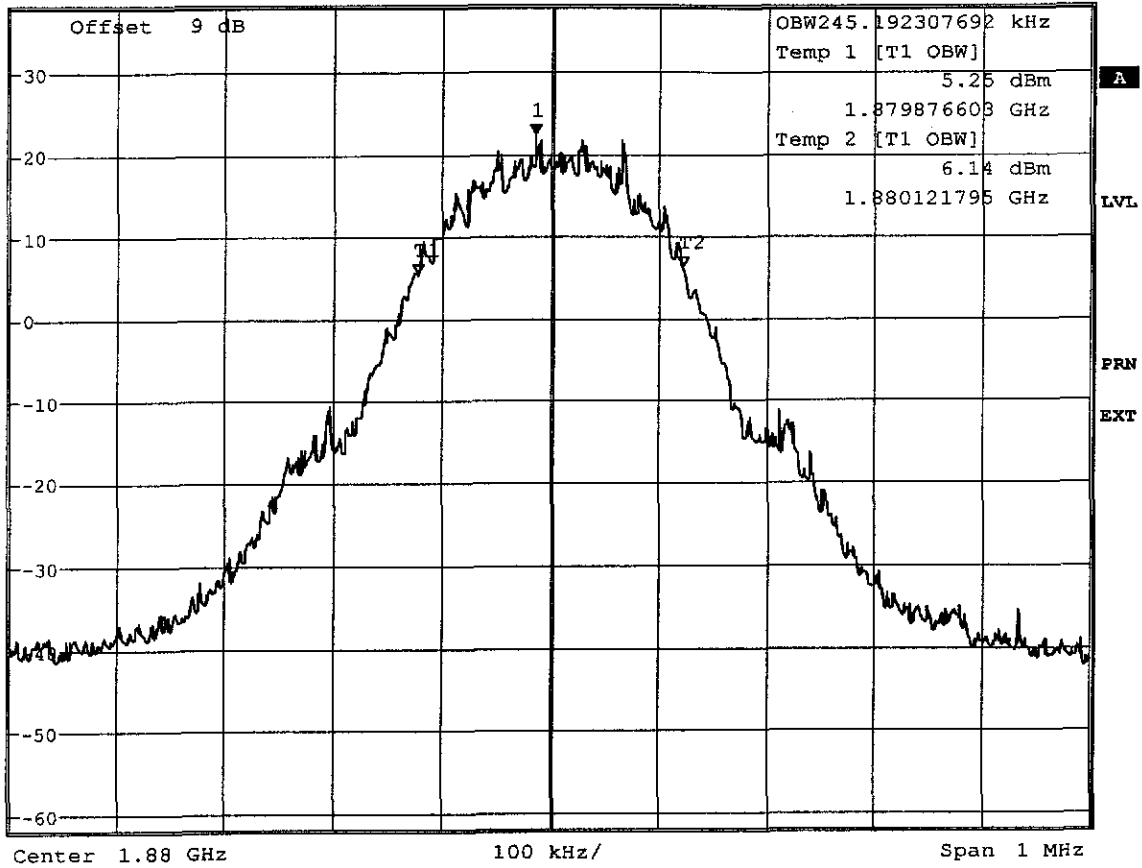


Comment A: Occupied Bandwidth Channel 512 Model: Telex 2
Date: 19.NOV.2002 09:25:32



*RBW 3 kHz Marker 1 [T1]
*VBW 3 kHz 22.09 dBm
Ref 38 dBm Att 55 dB SWT 190 ms 1.879985577 GHz

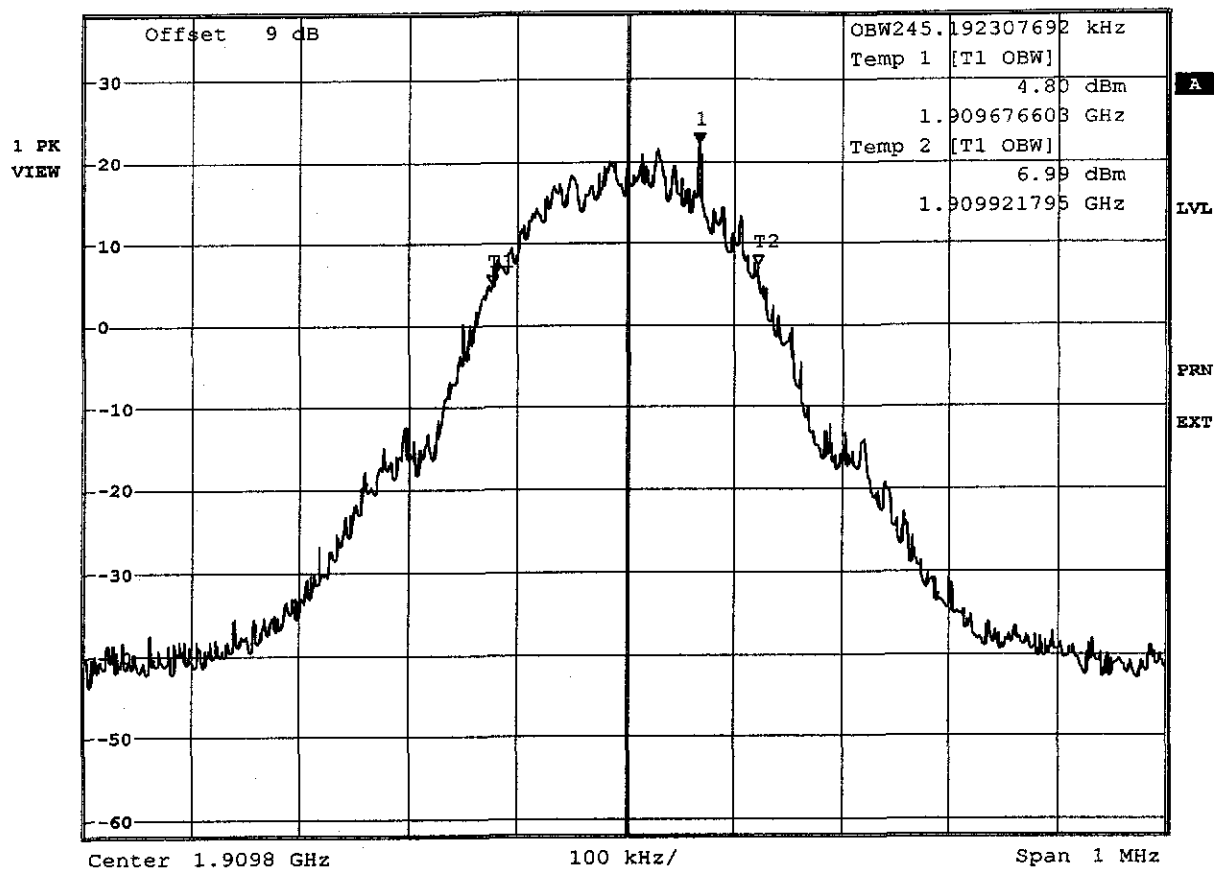
1 PK
VIEW



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
Ref 38 dBm Att 55 dB SWT 190 ms 1.909867308 GHz



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



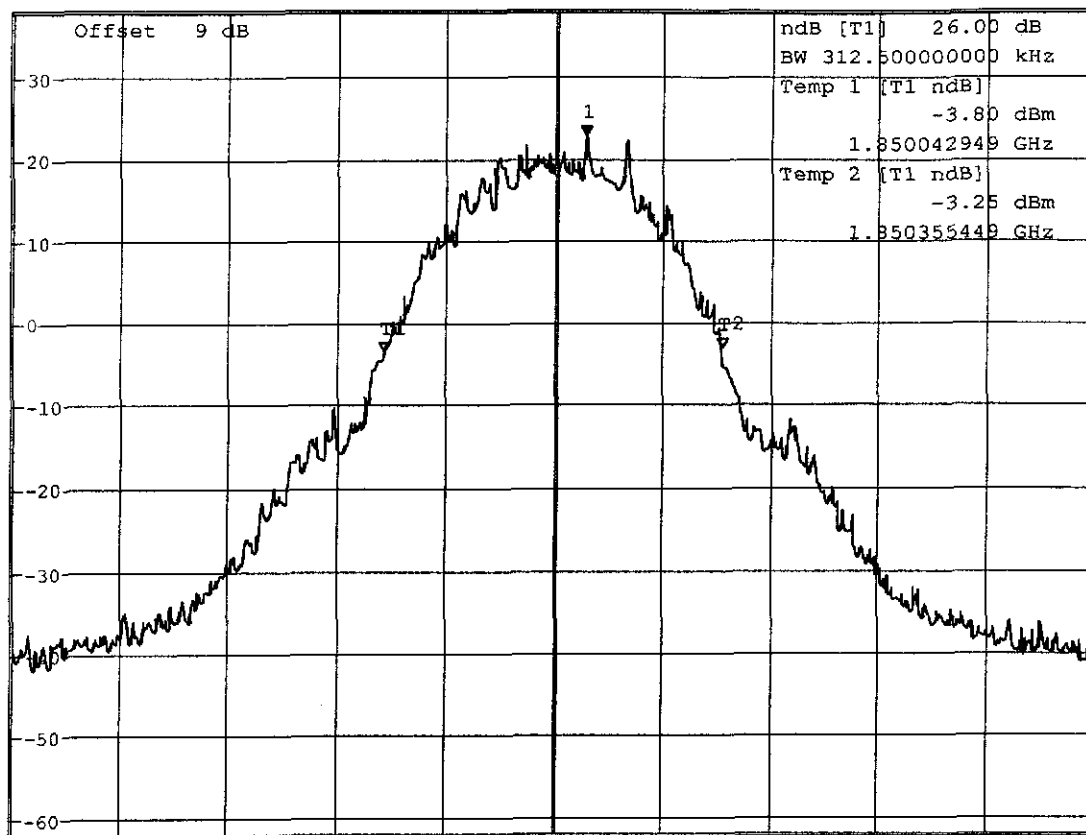
*RBW 3 kHz Marker 1 [T1]
*VBW 3 kHz 22.55 dBm
SWT 190 ms 1.850228846 GHz

Ref 38 dBm

Att 55 dB

1.850228846 GHz

1 PK
VIEW



Center 1.8502 GHz

100 kHz/

Span 1 MHz

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



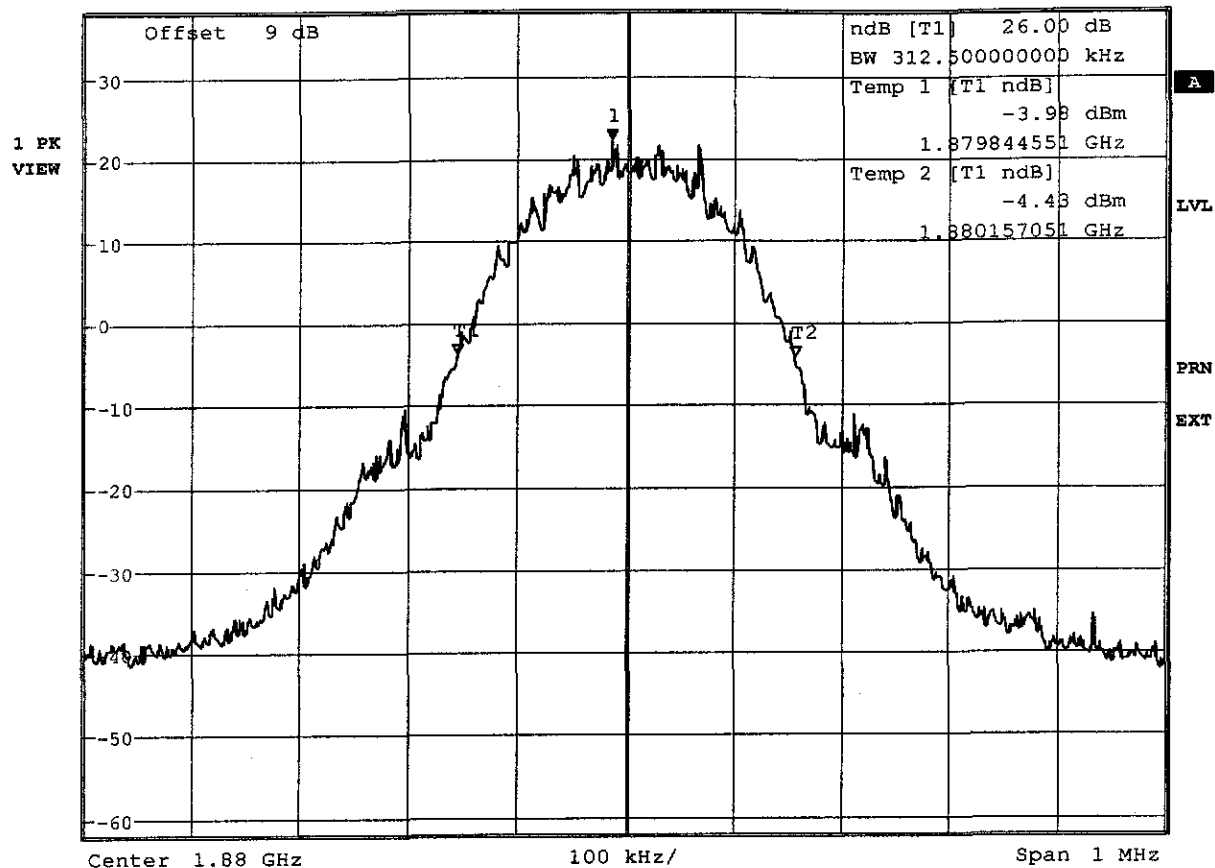
*RBW 3 kHz Marker 1 [T1] 22.09 dBm
*VBW 3 kHz
SWT 190 ms 1.879985577 GHz

Ref 38 dBm

Att 55 dB

SWT 190 ms

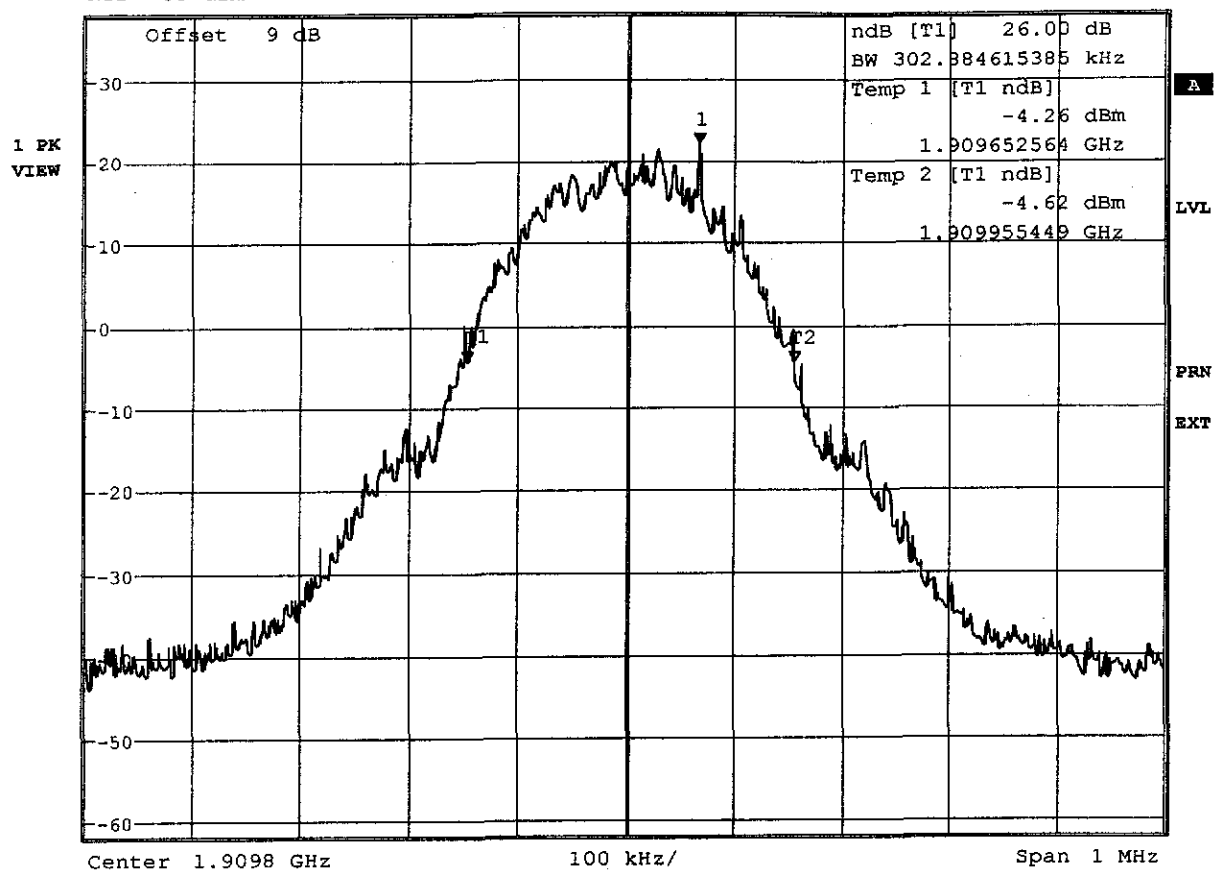
1.879985577 GHz



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
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



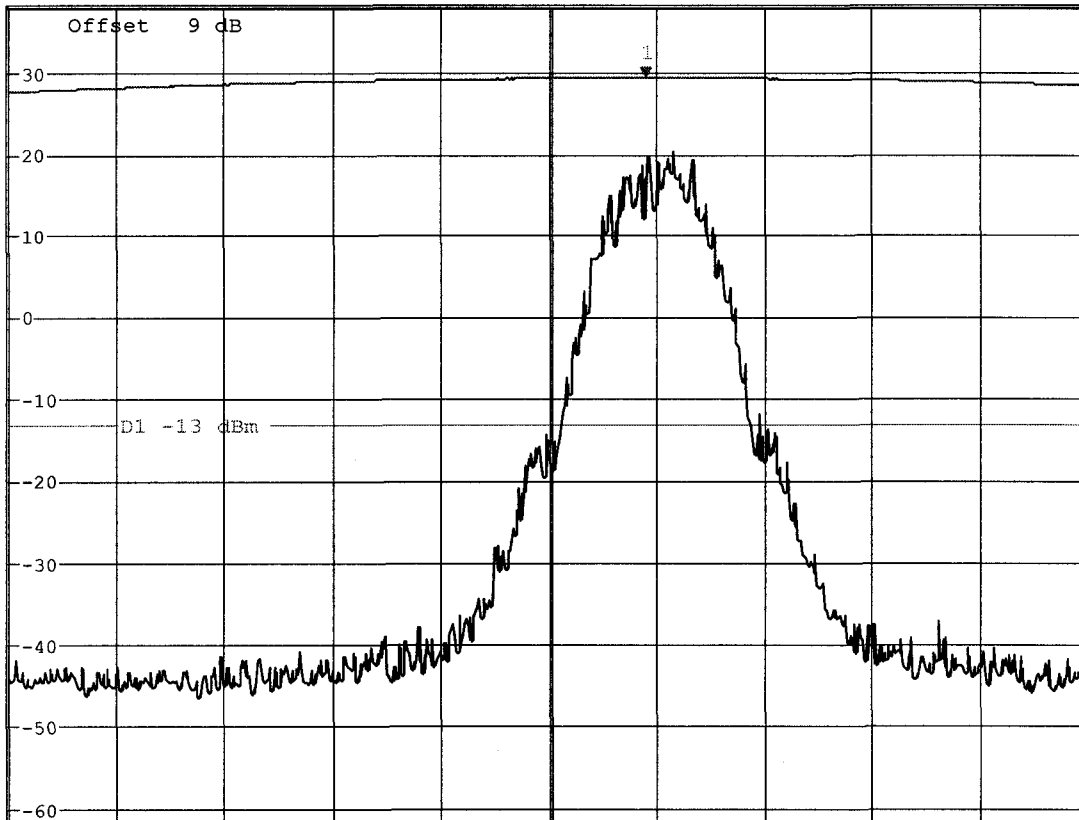
*RBW 3 kHz Marker 1 [T1]
*VBW 3 kHz 29.25 dBm
SWT 225 ms 1.850179451 GHz

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

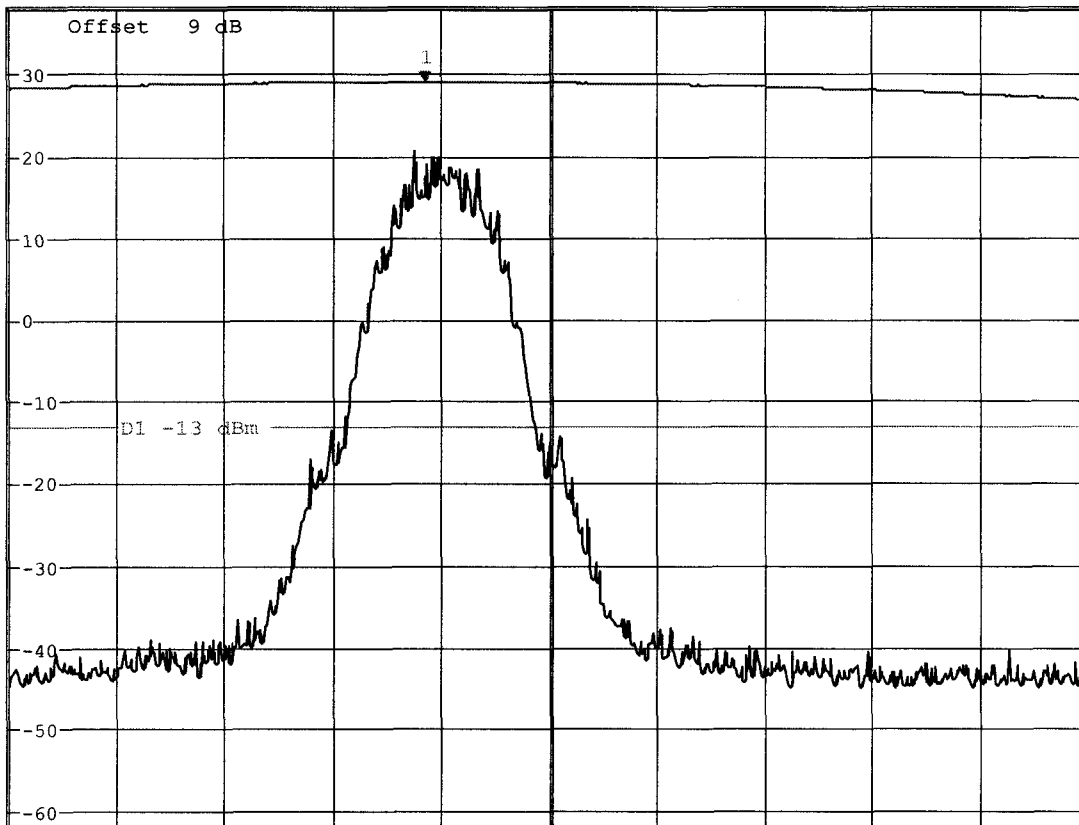
Att 55 dB

SWT 225 ms

1.909769231 GHz

1 PK
VIEW

2 PK
VIEW



Center 1.91 GHz

200 kHz/

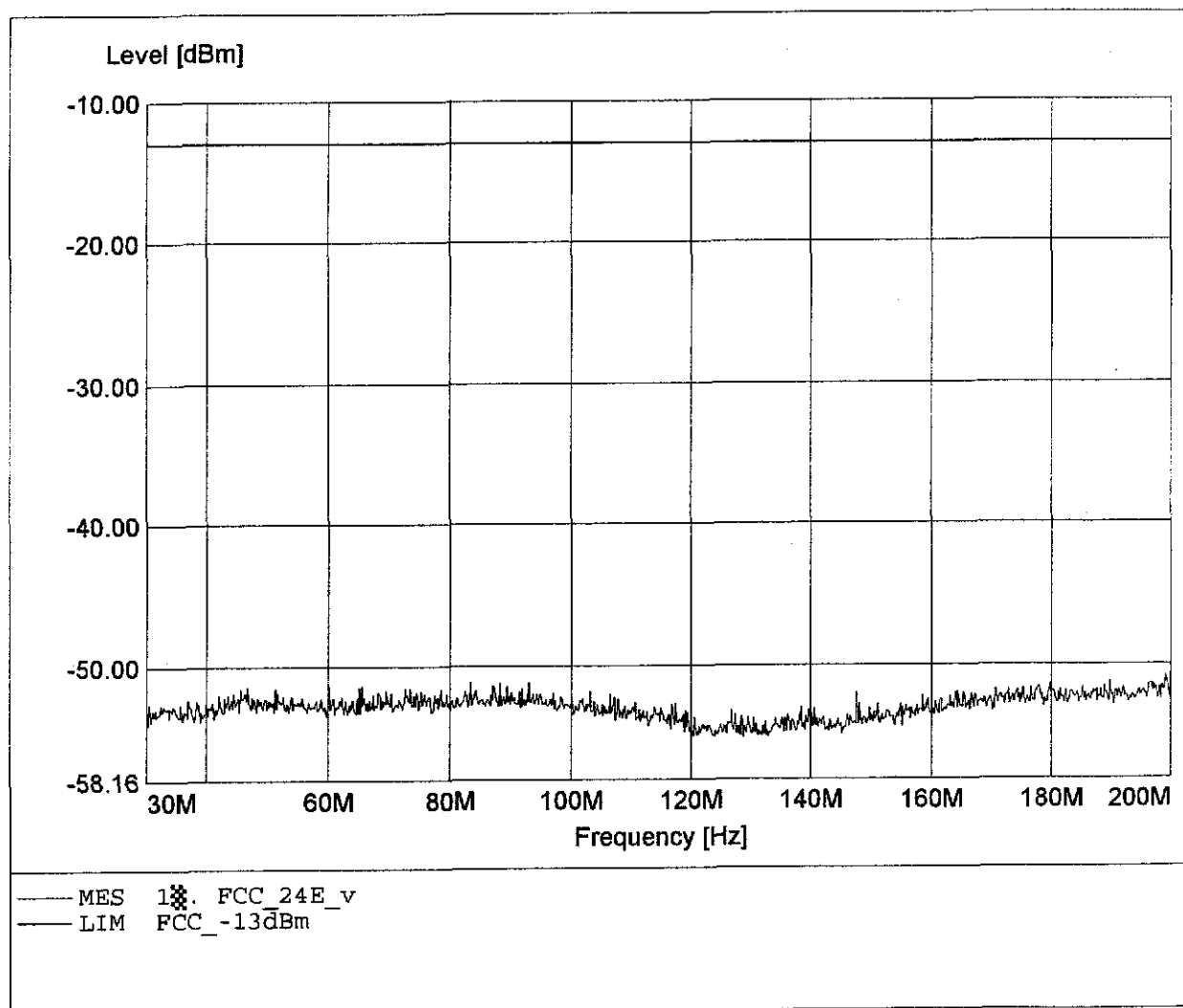
Span 2 MHz

Comment A: Higher Band Edge Model: Telex 2

Date: 19.NOV.2002 10:00:37

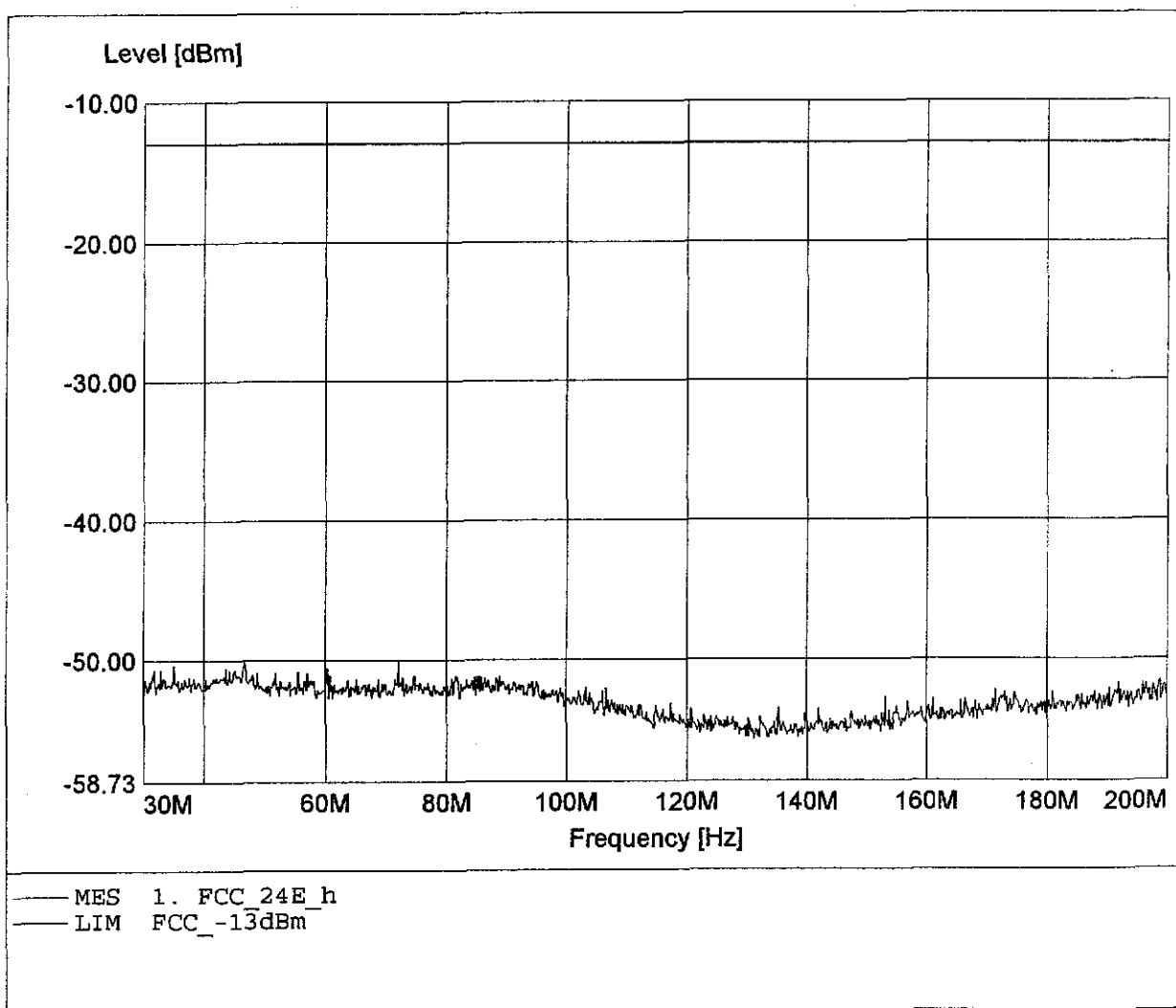
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



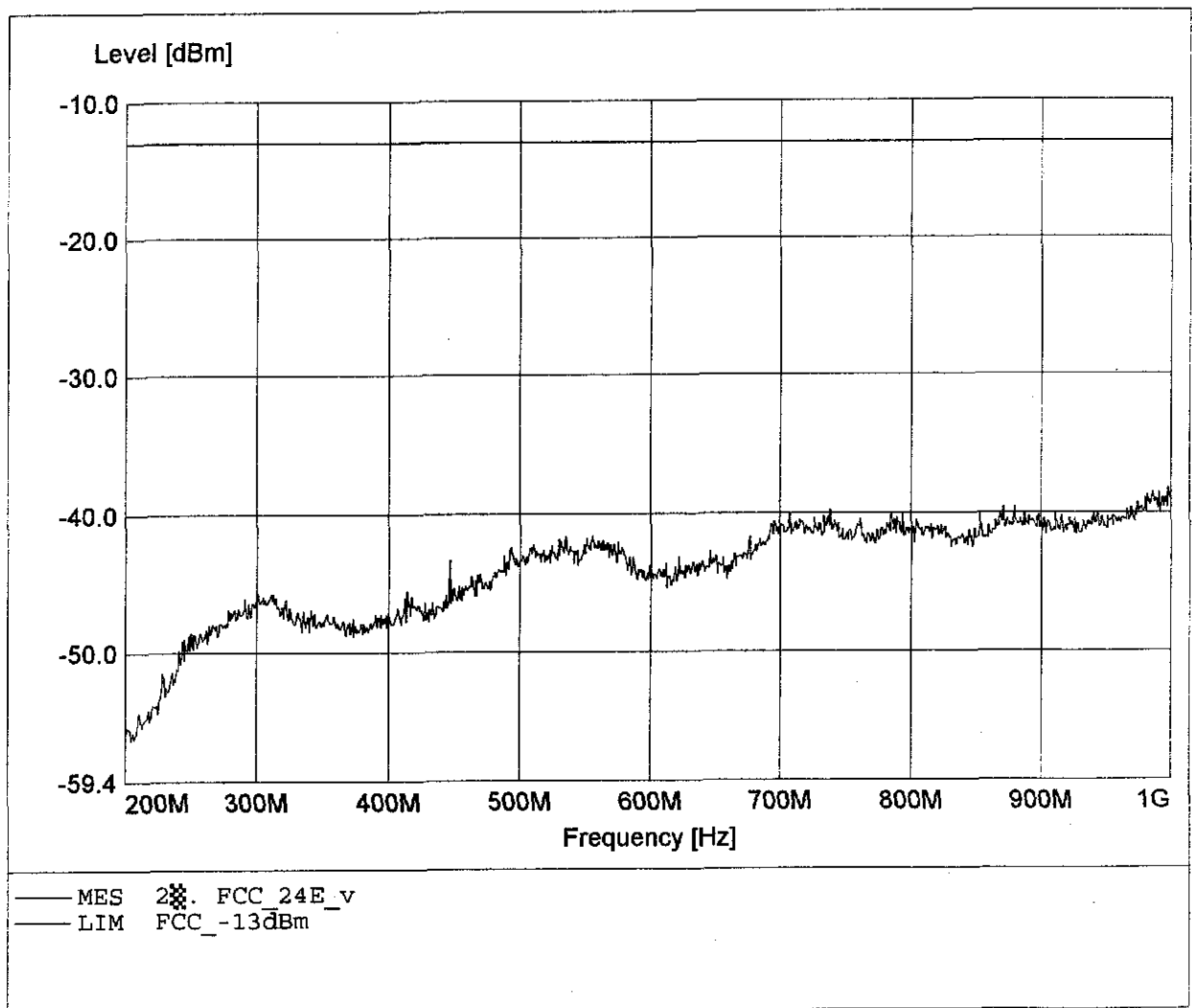
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



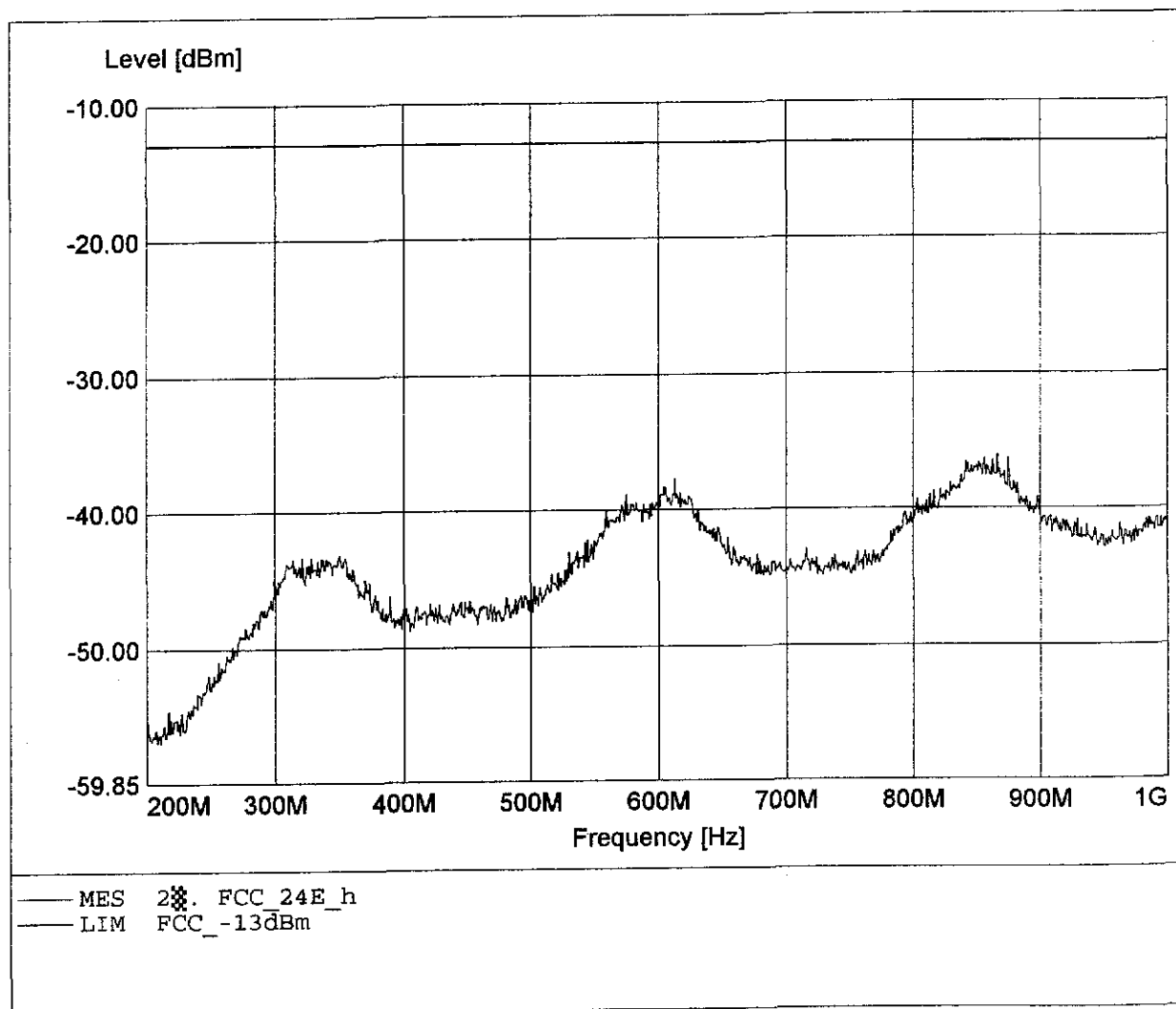
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



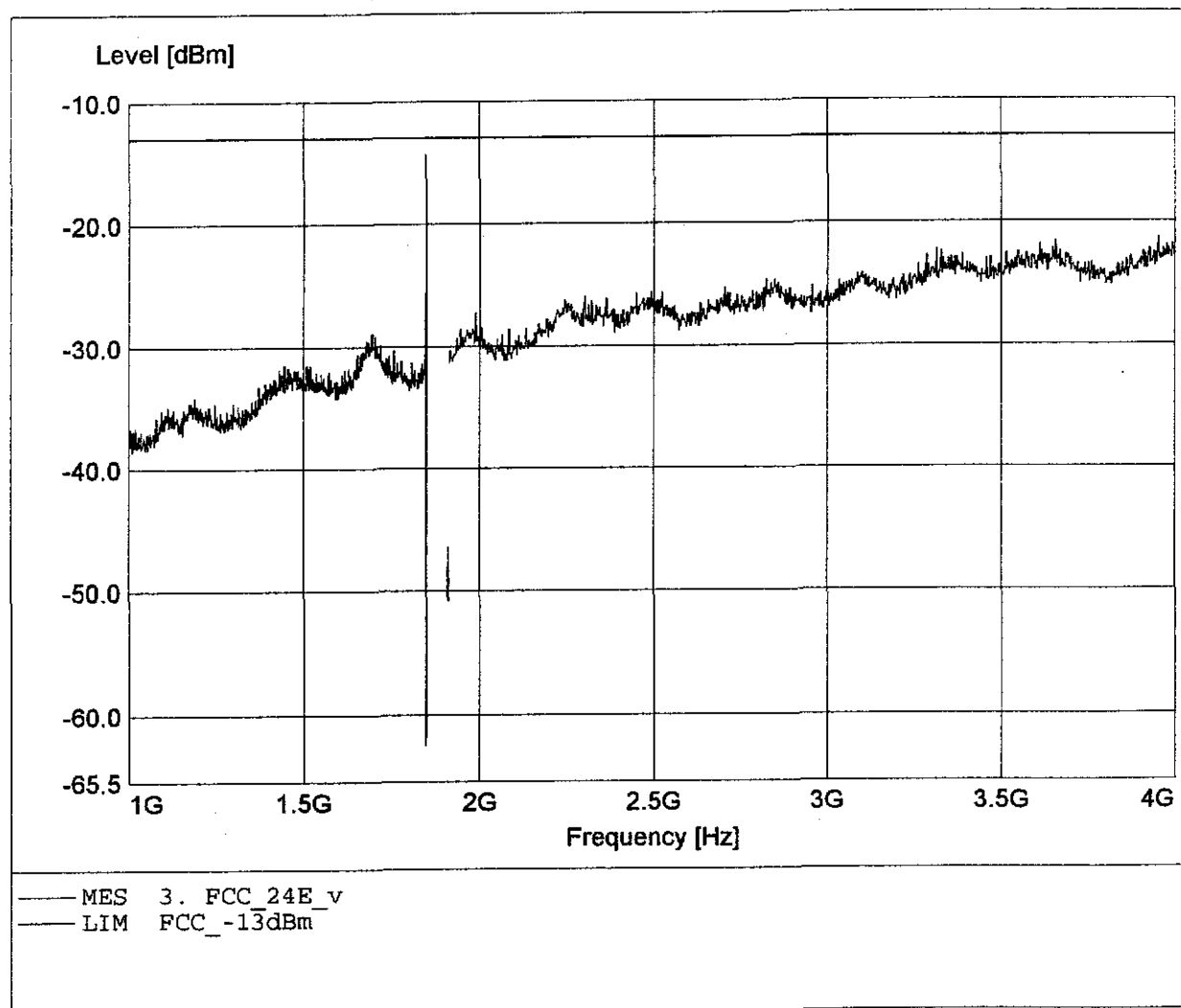
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



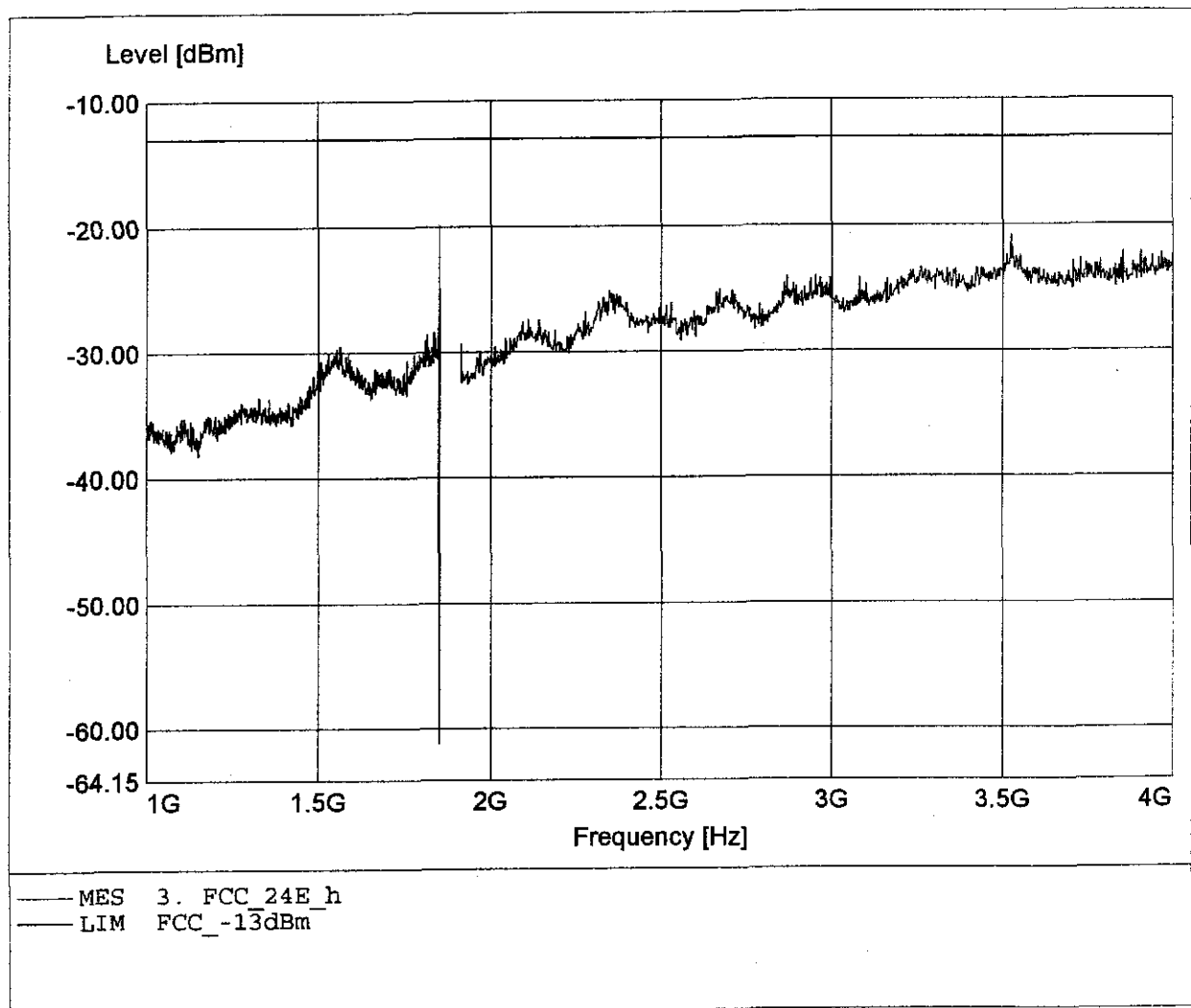
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



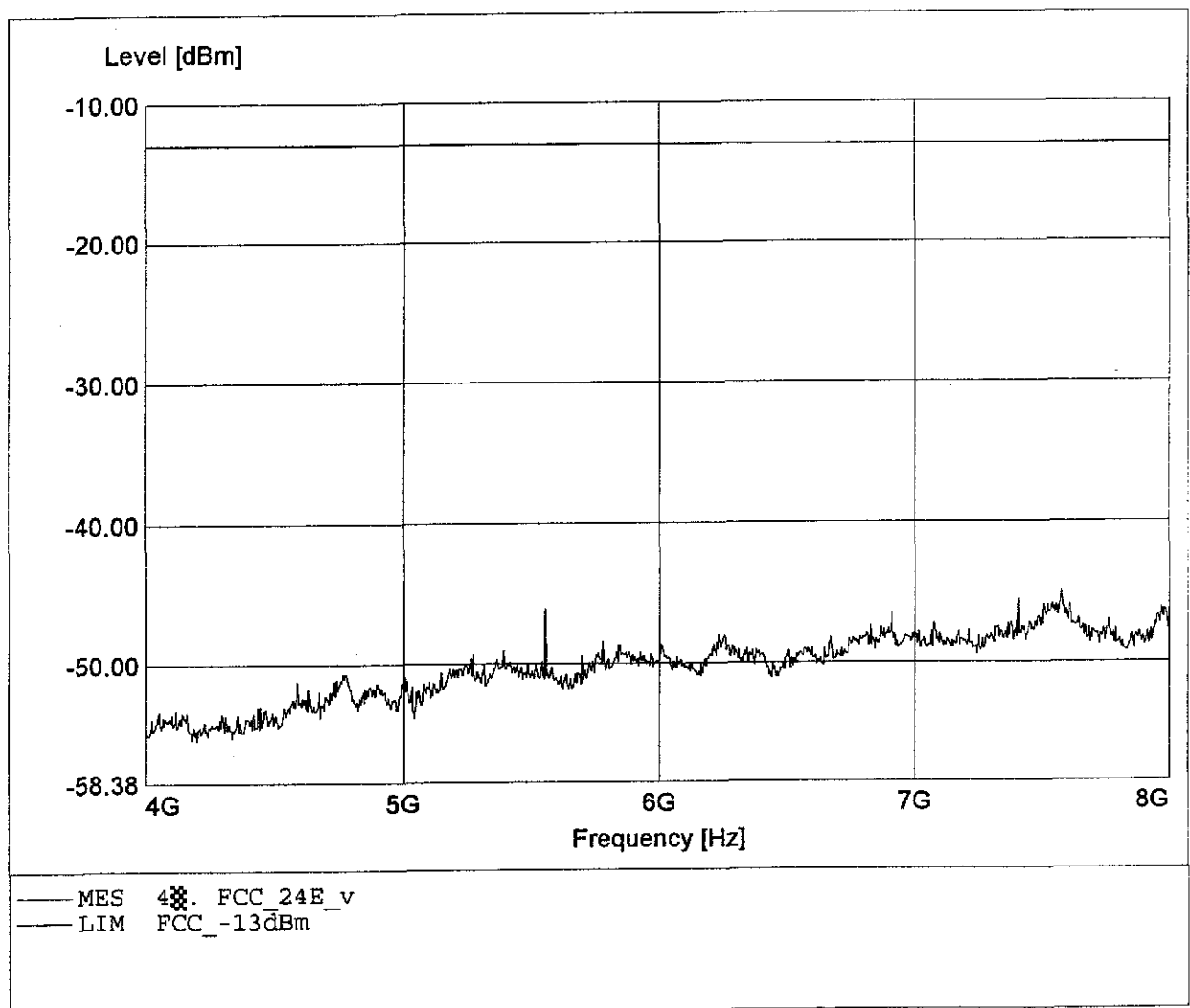
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



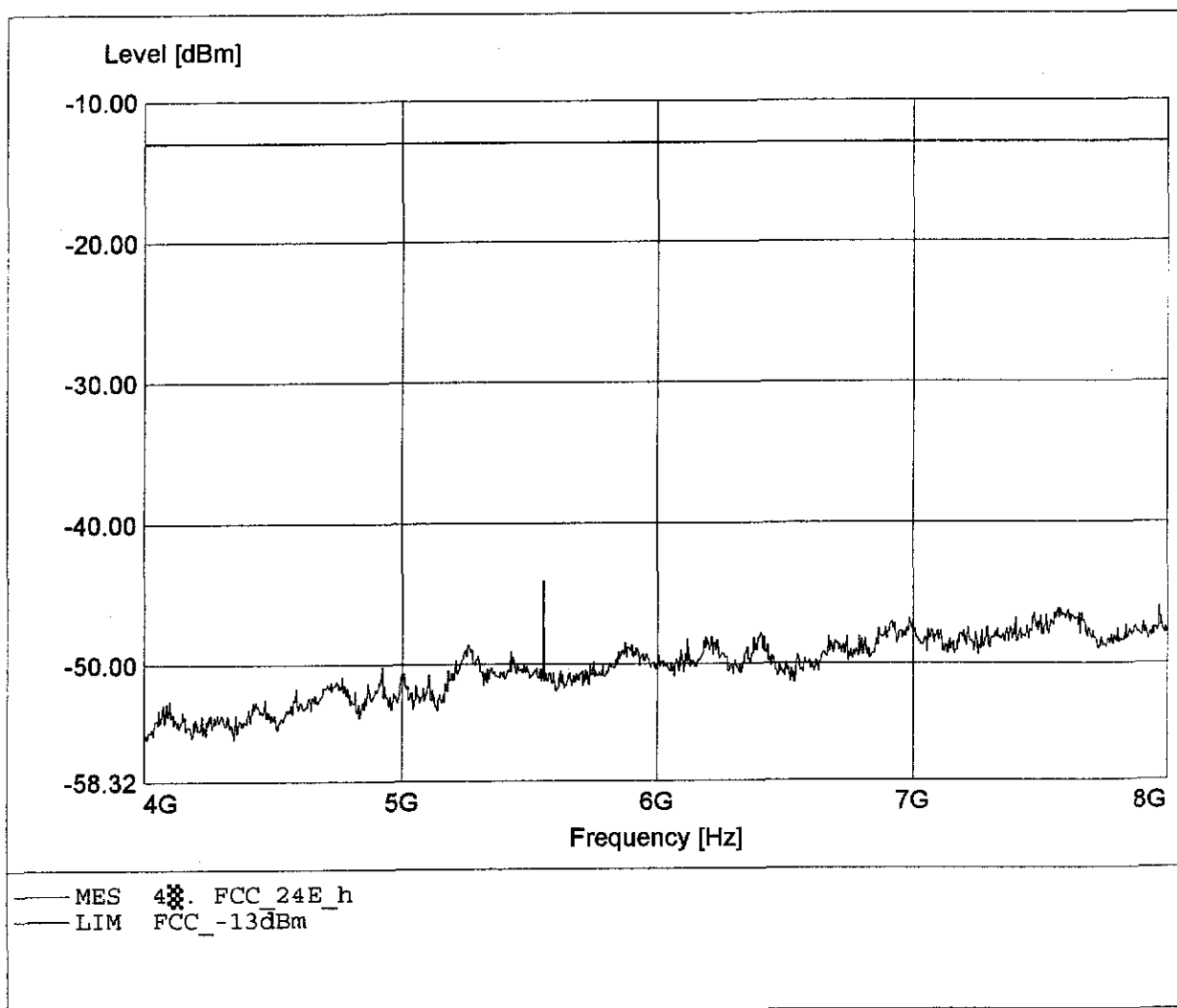
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



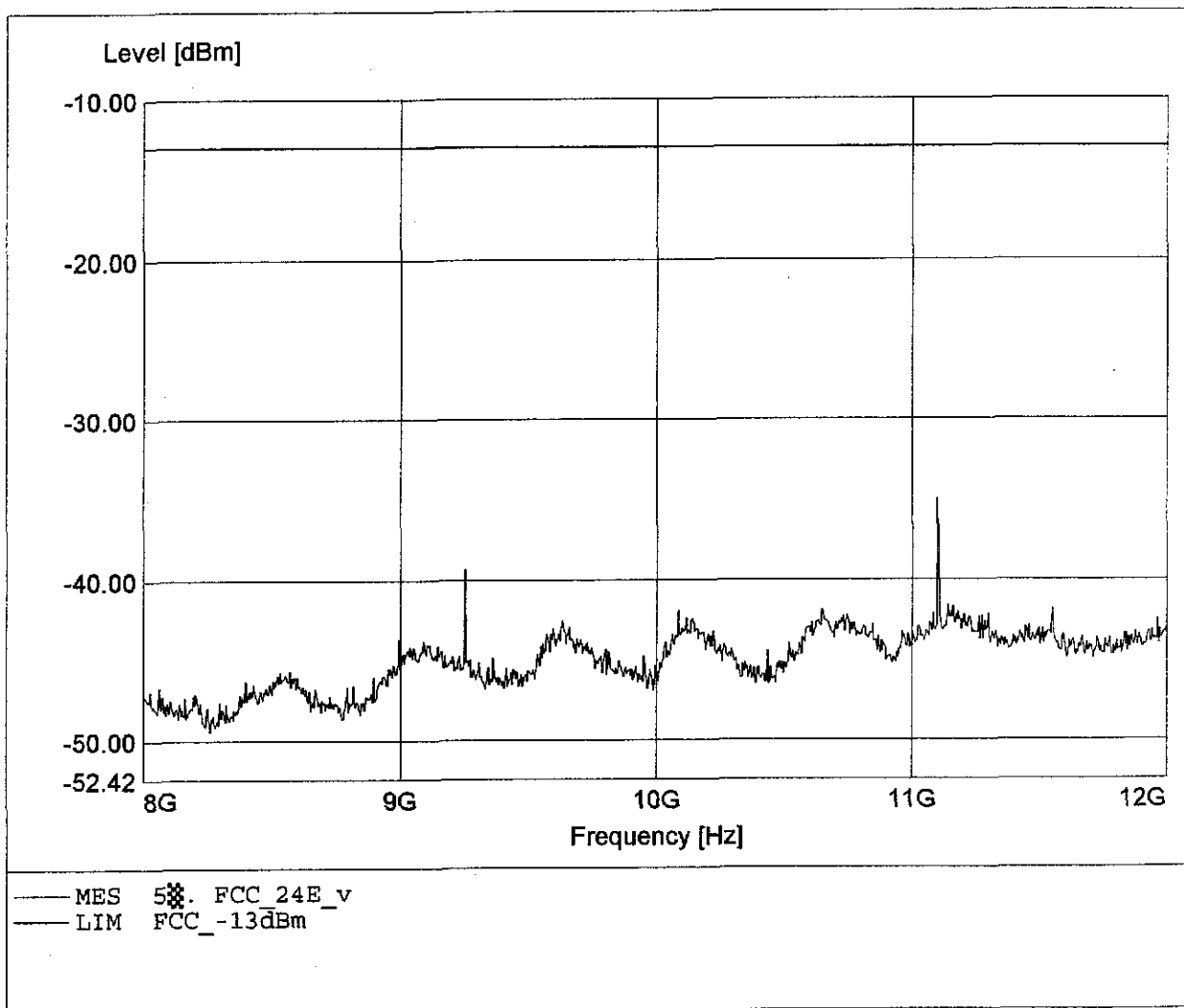
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



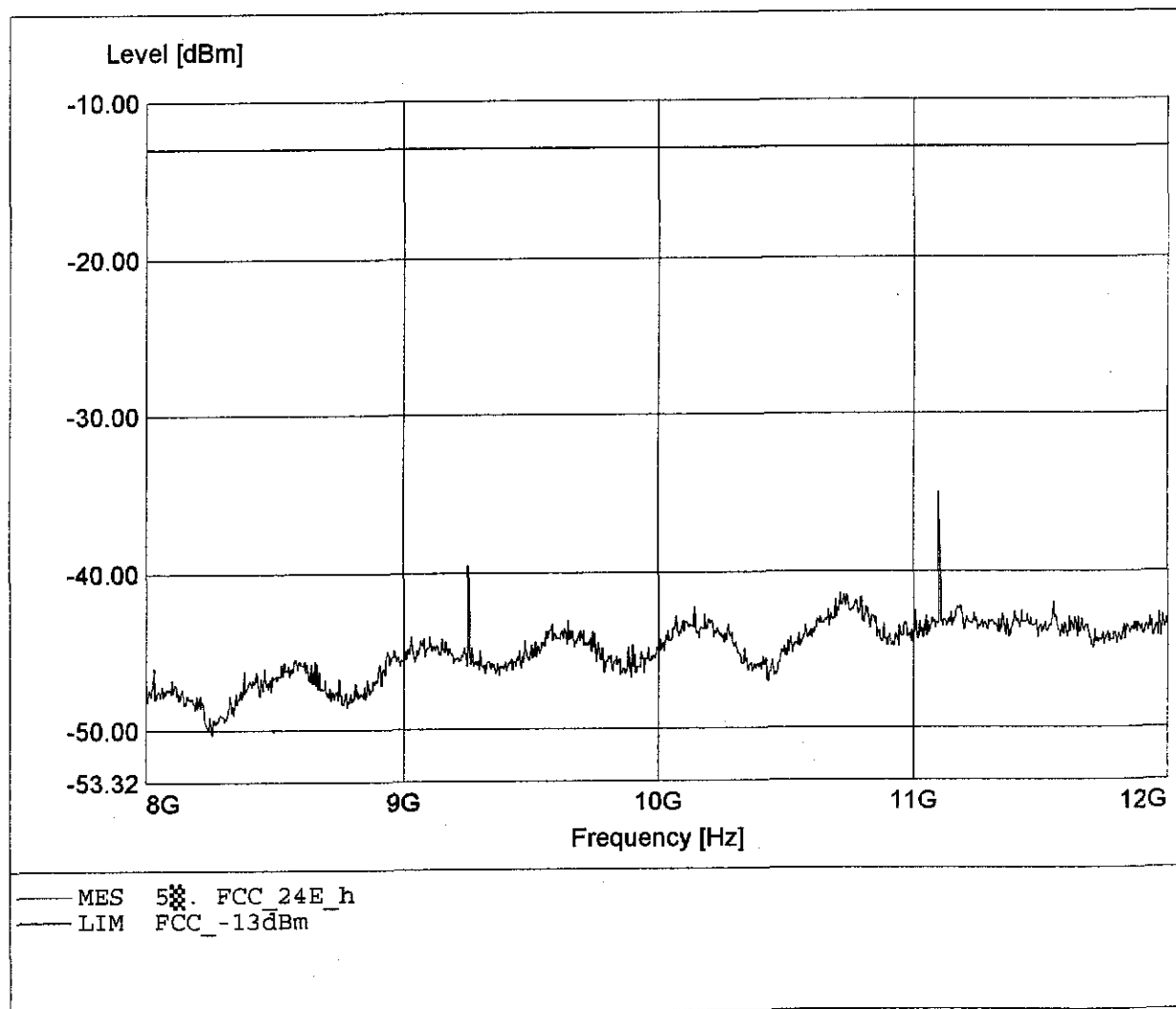
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



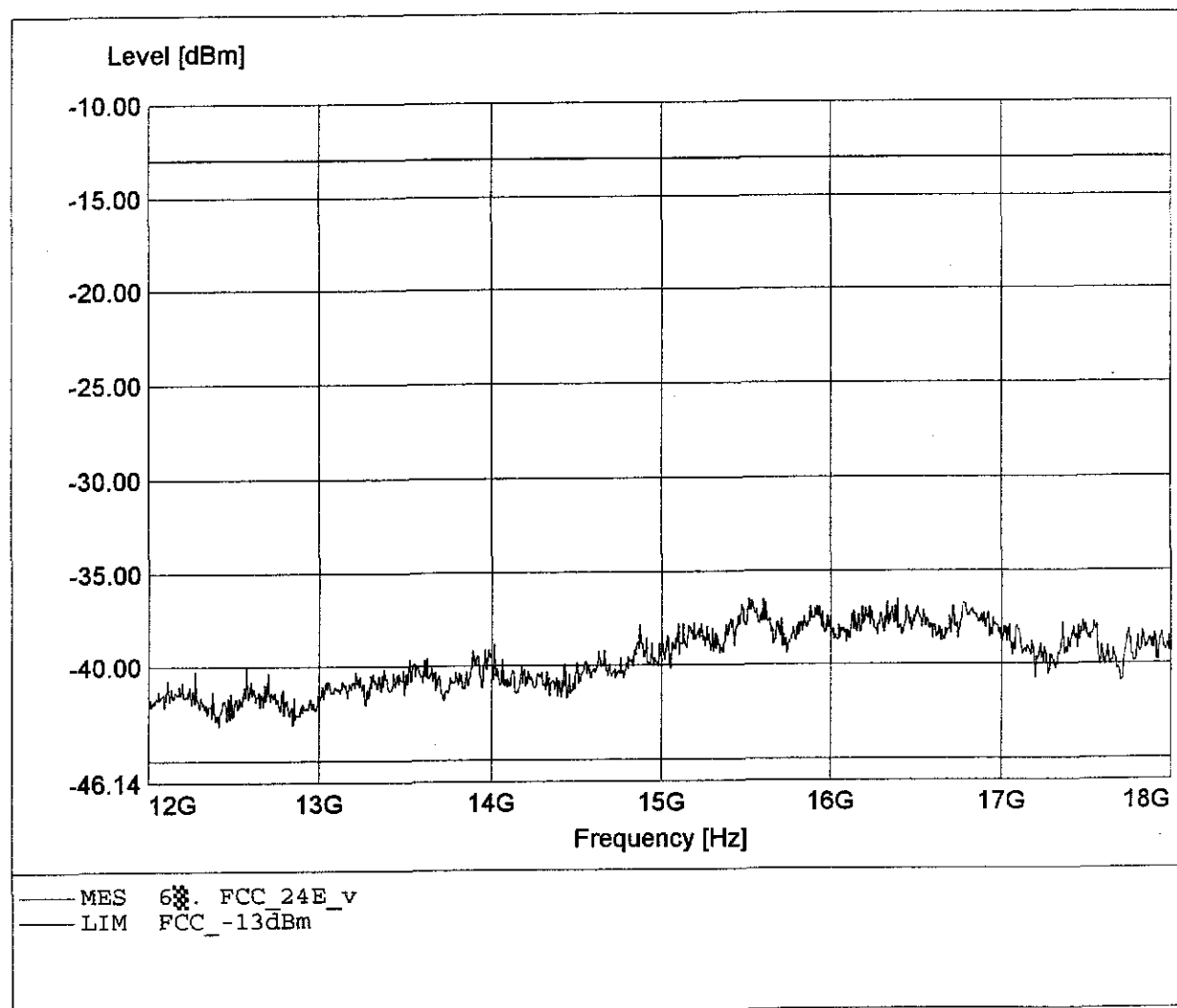
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



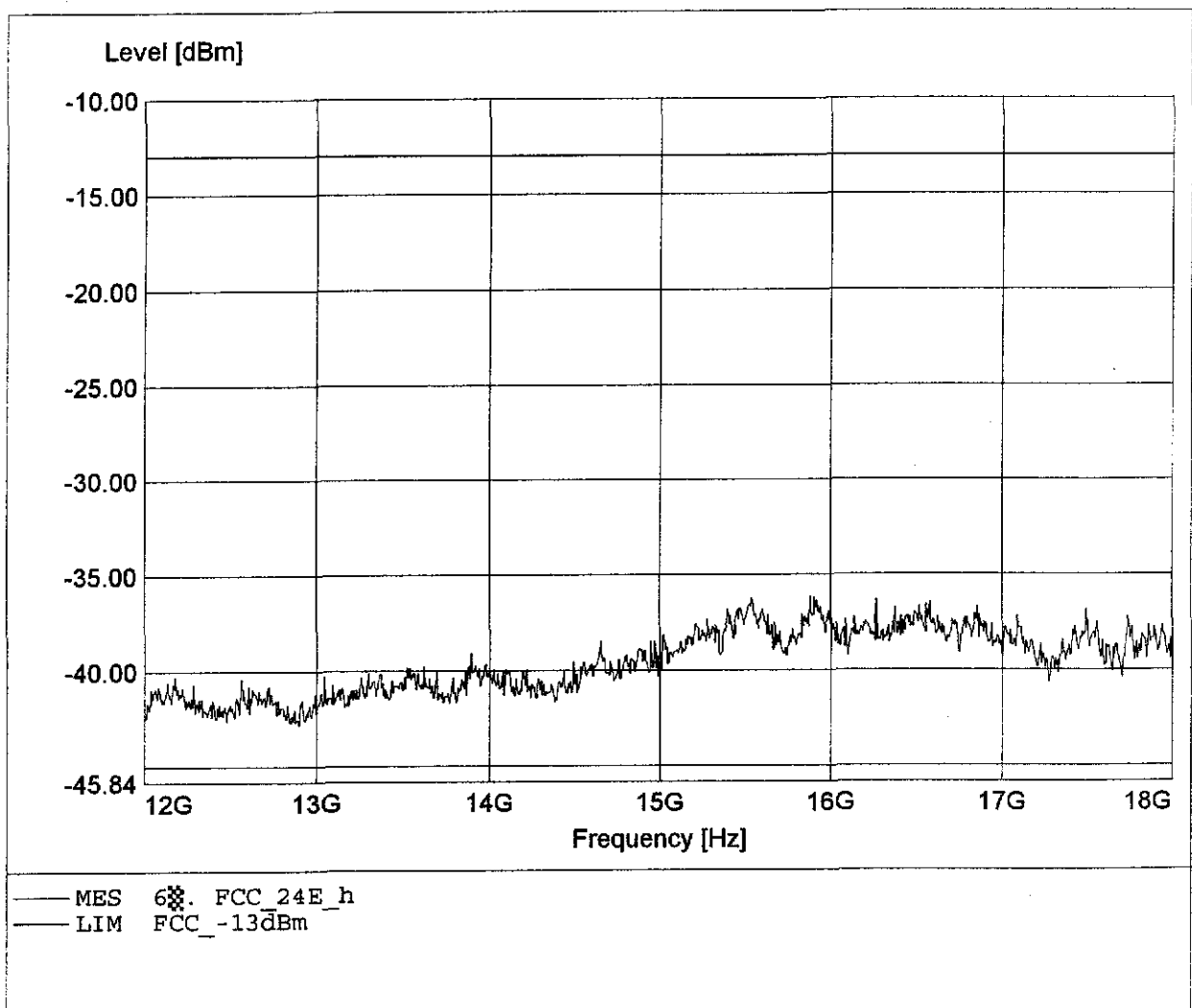
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



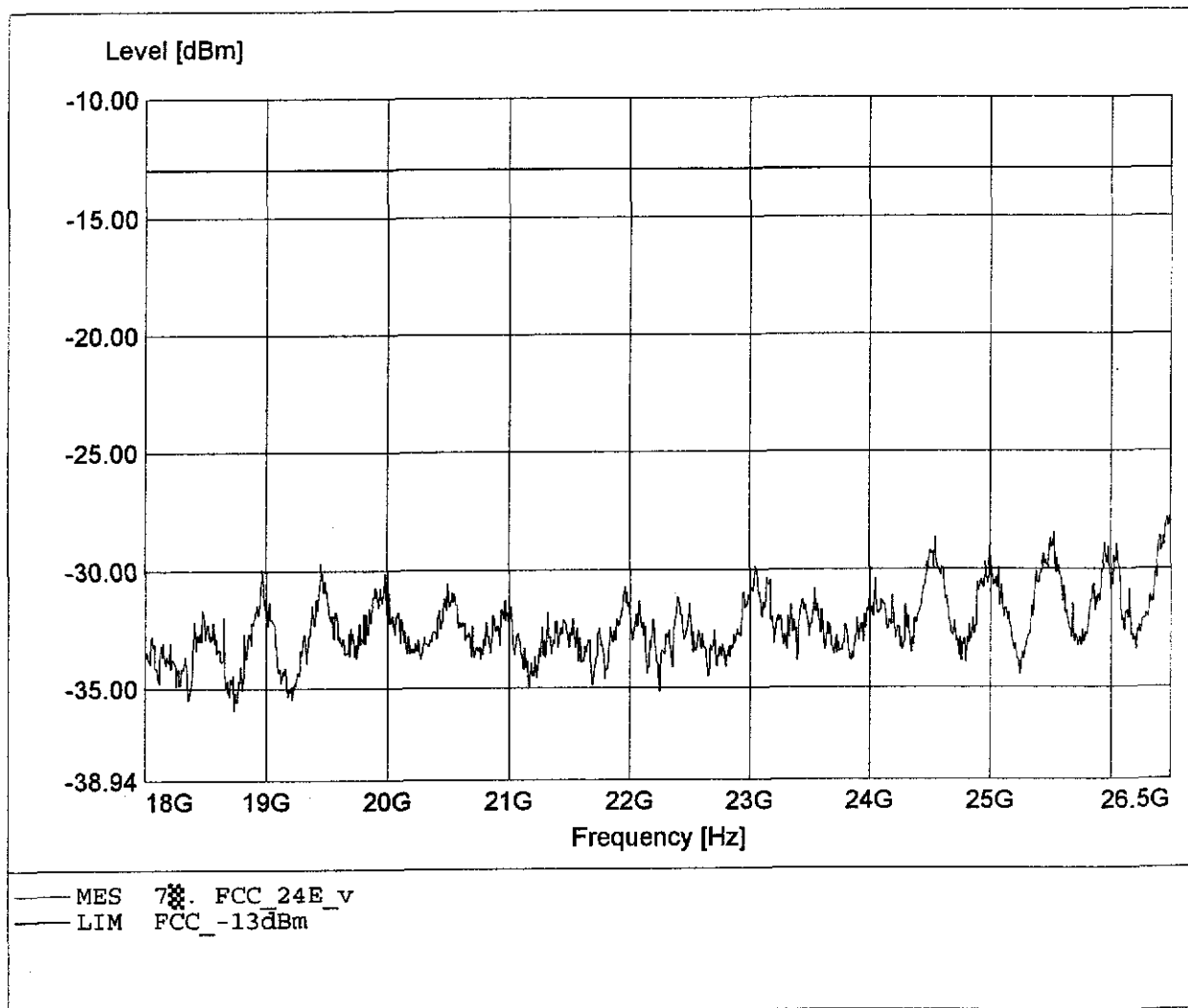
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



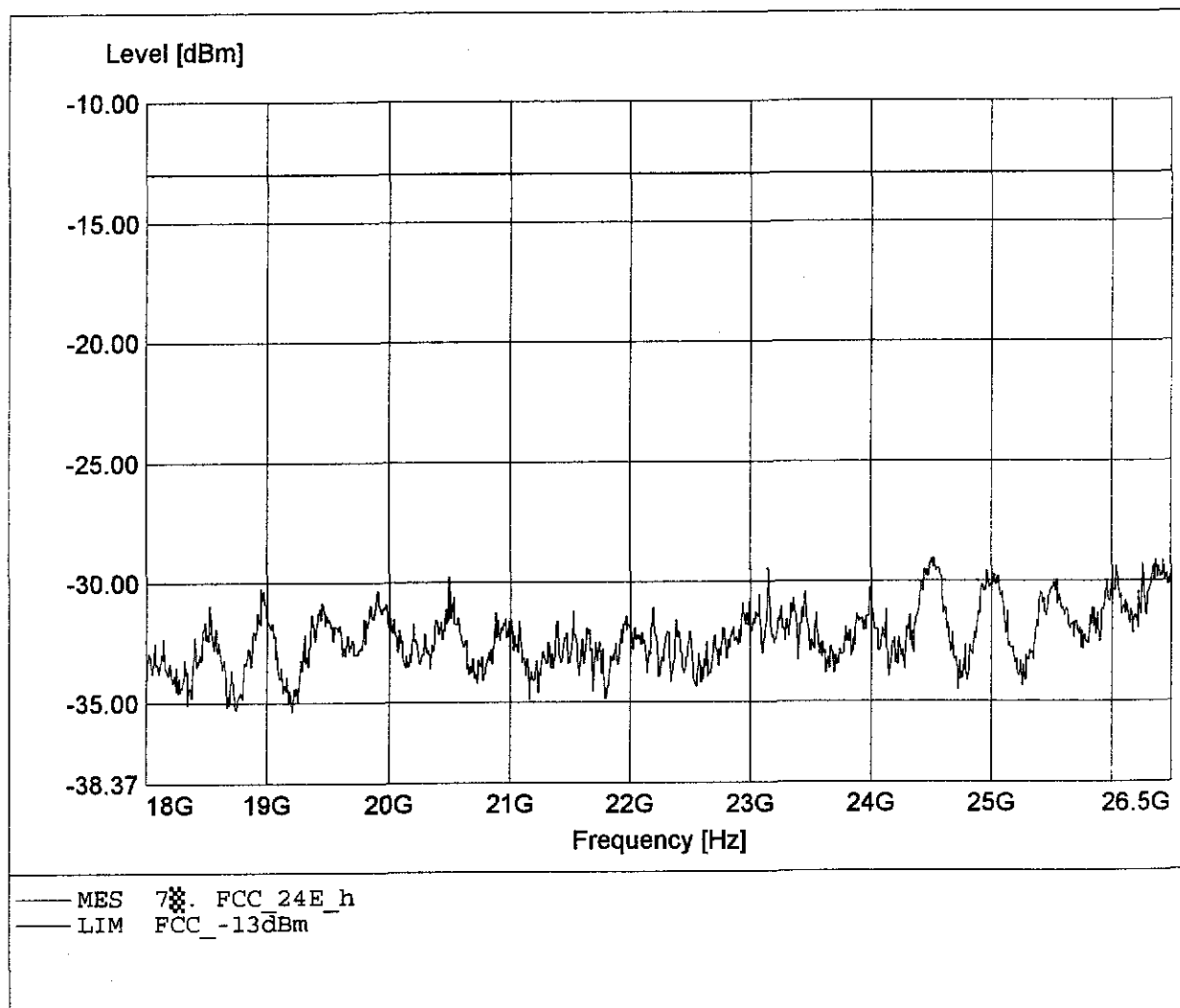
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



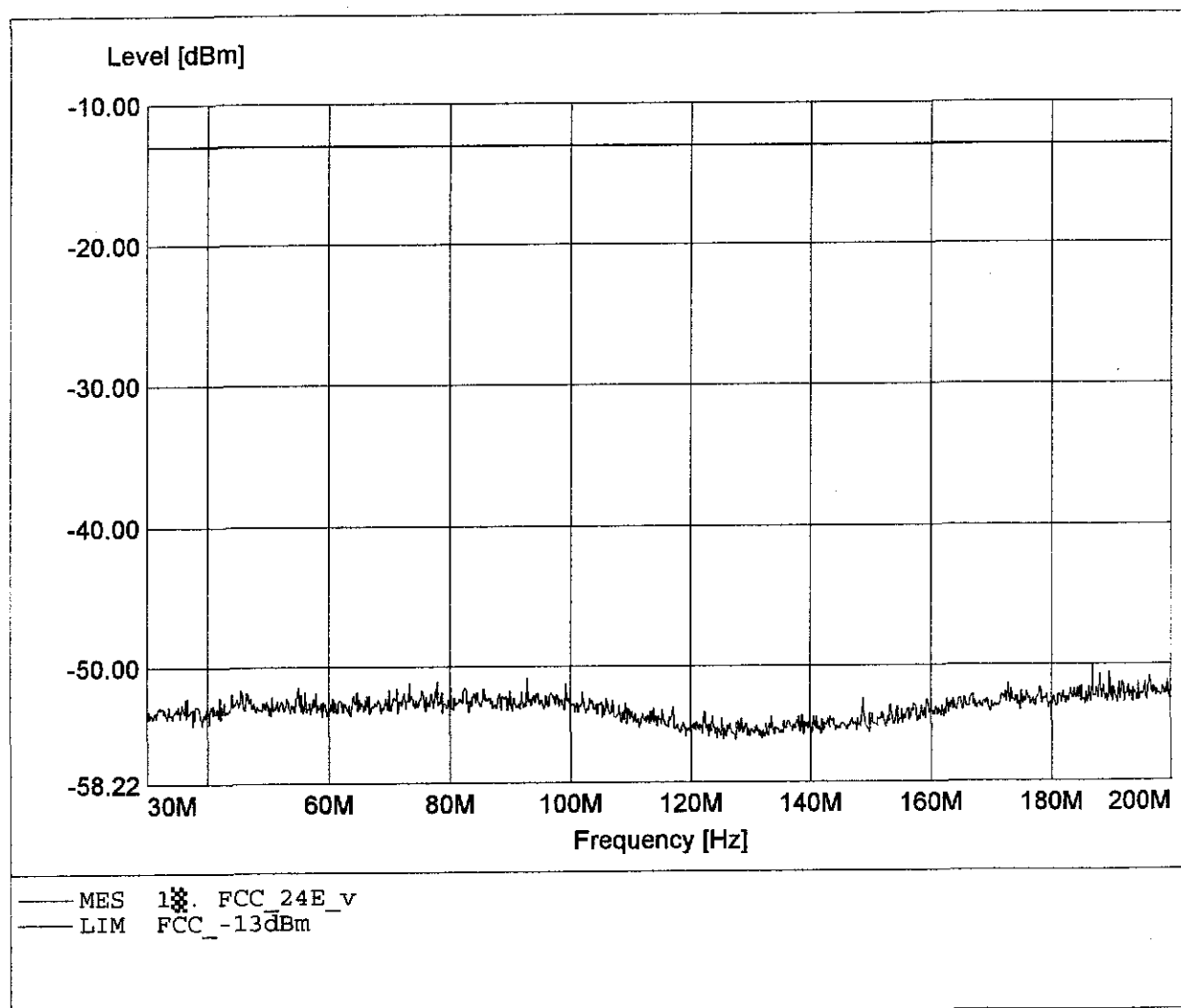
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



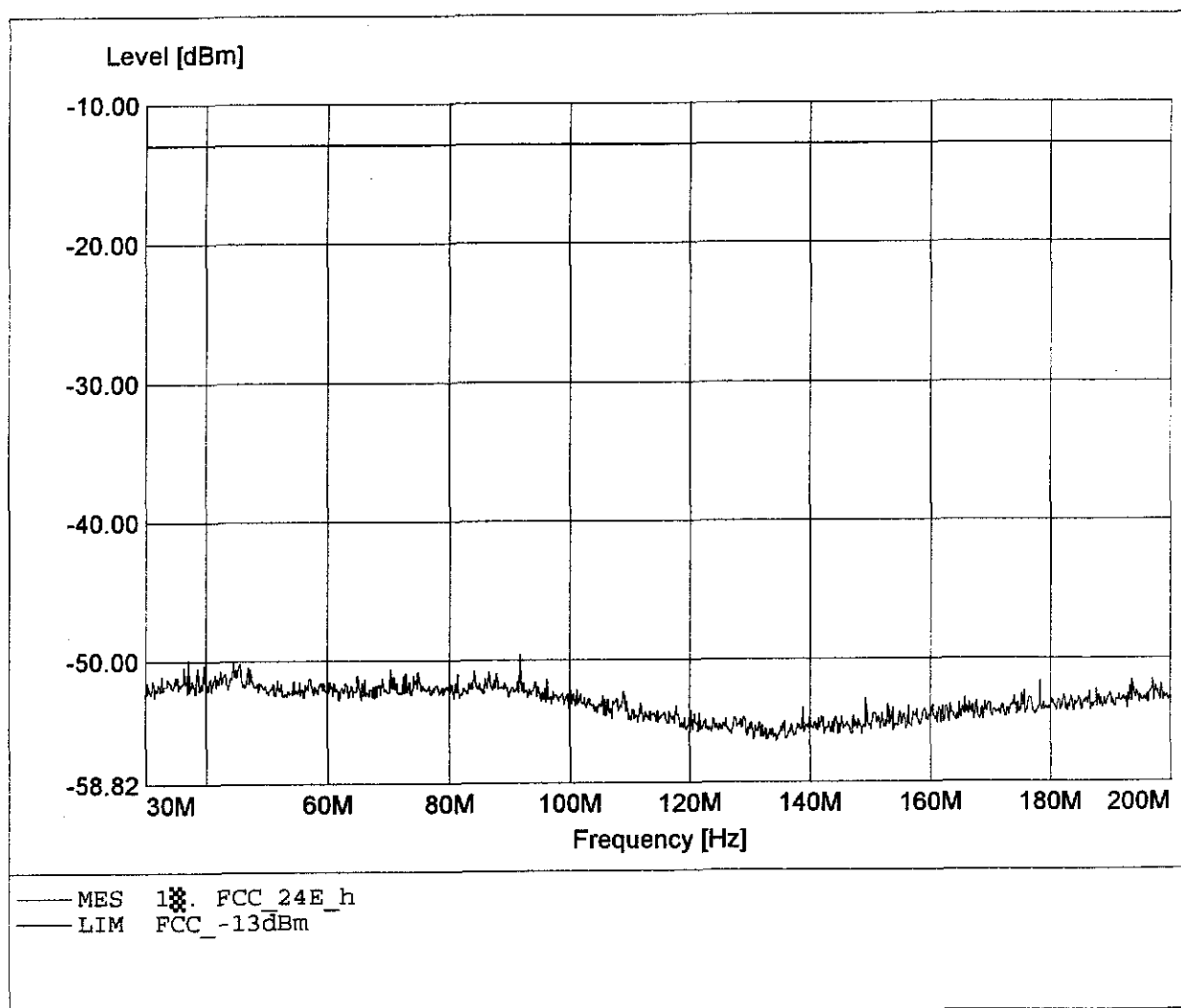
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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.: HK 116
Comment 2: Freq: 186.967MHz, Pmax: -49.98dBm, RBW: 1MHz



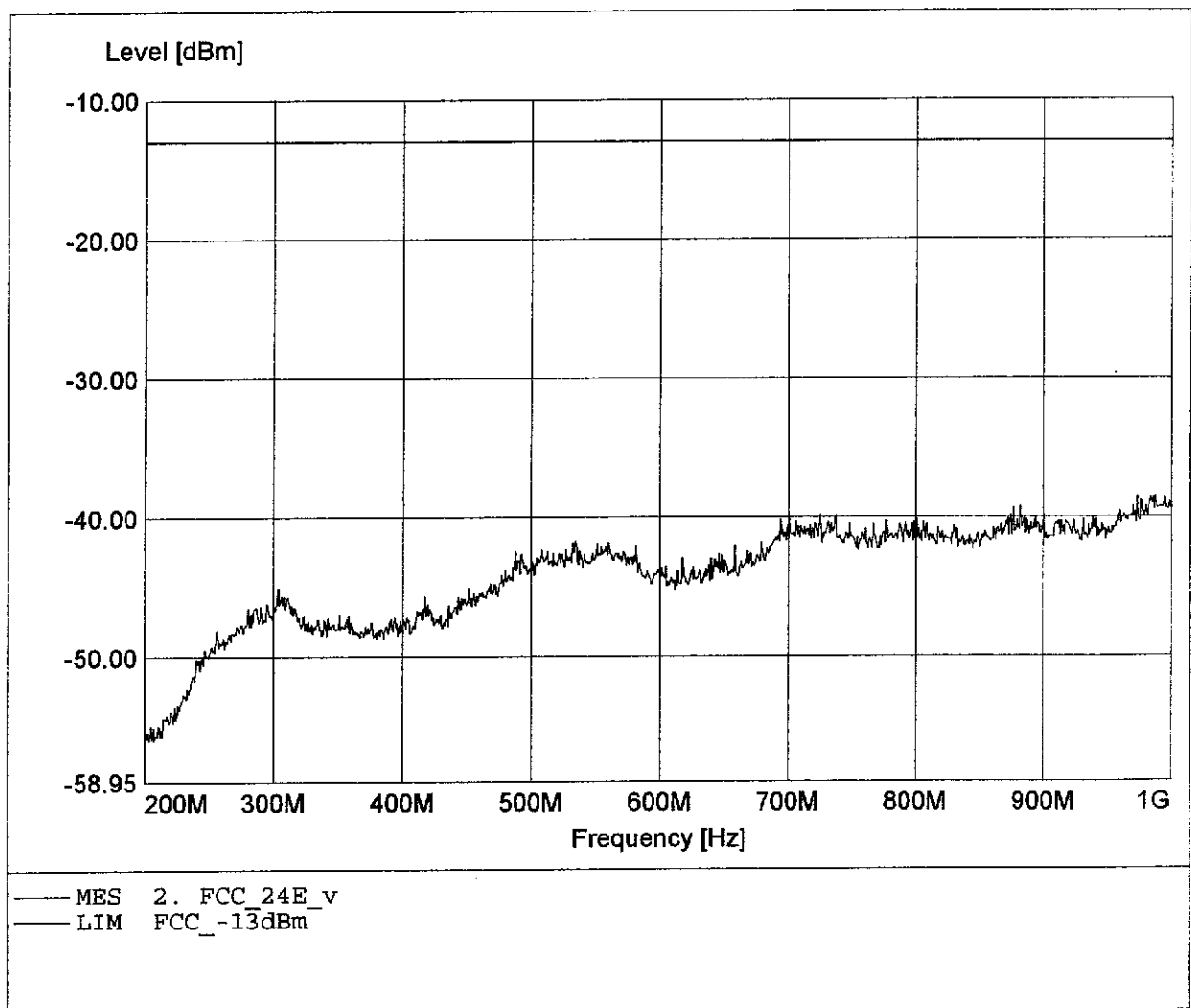
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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.: HK 116
Comment 2: Freq: 91.767MHz, Pmax: -49.59dBm, RBW: 1MHz



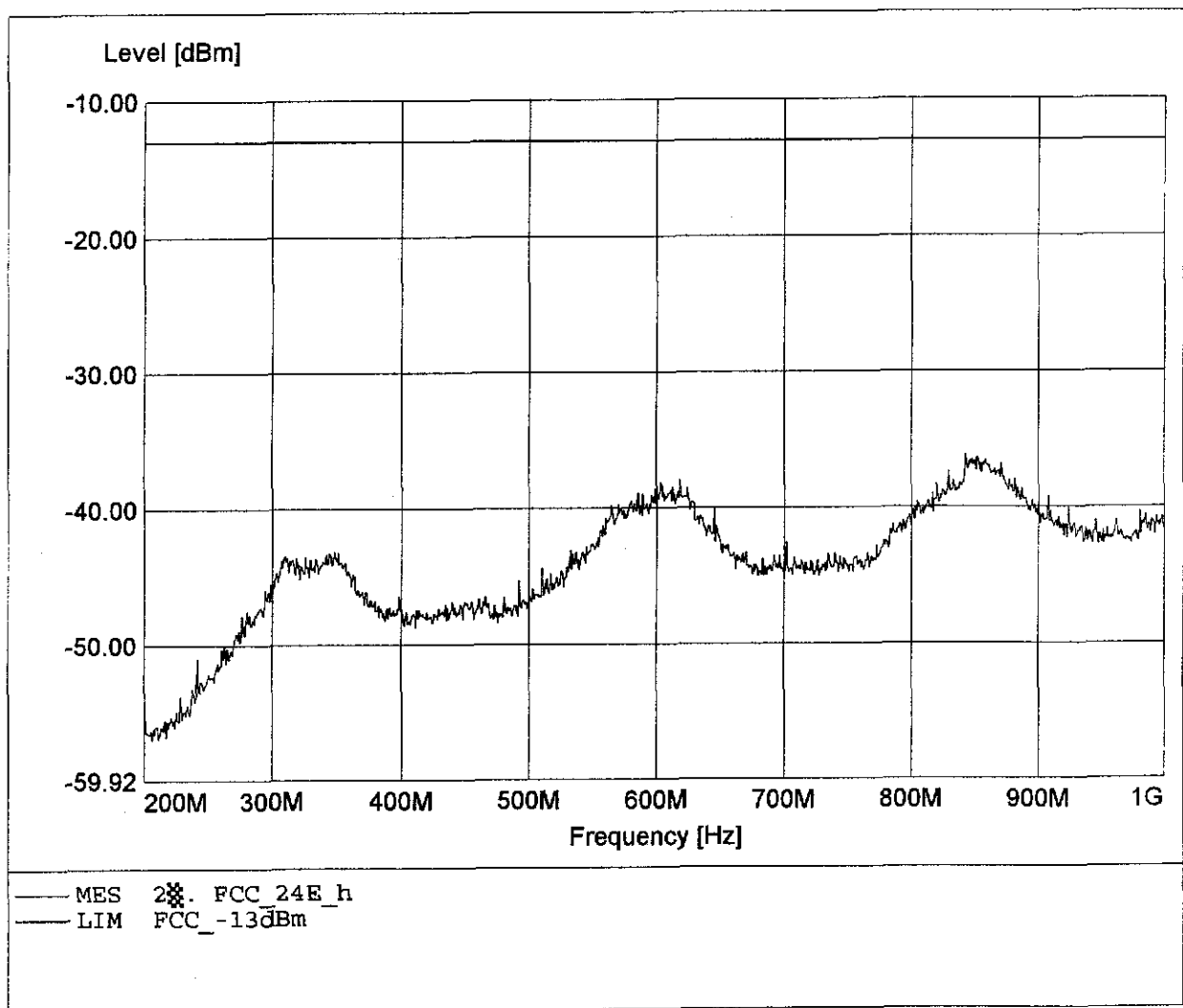
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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.: HL 223
Comment 2: Freq: 973.333MHz, Pmax: -38.60dBm, RBW: 1MHz



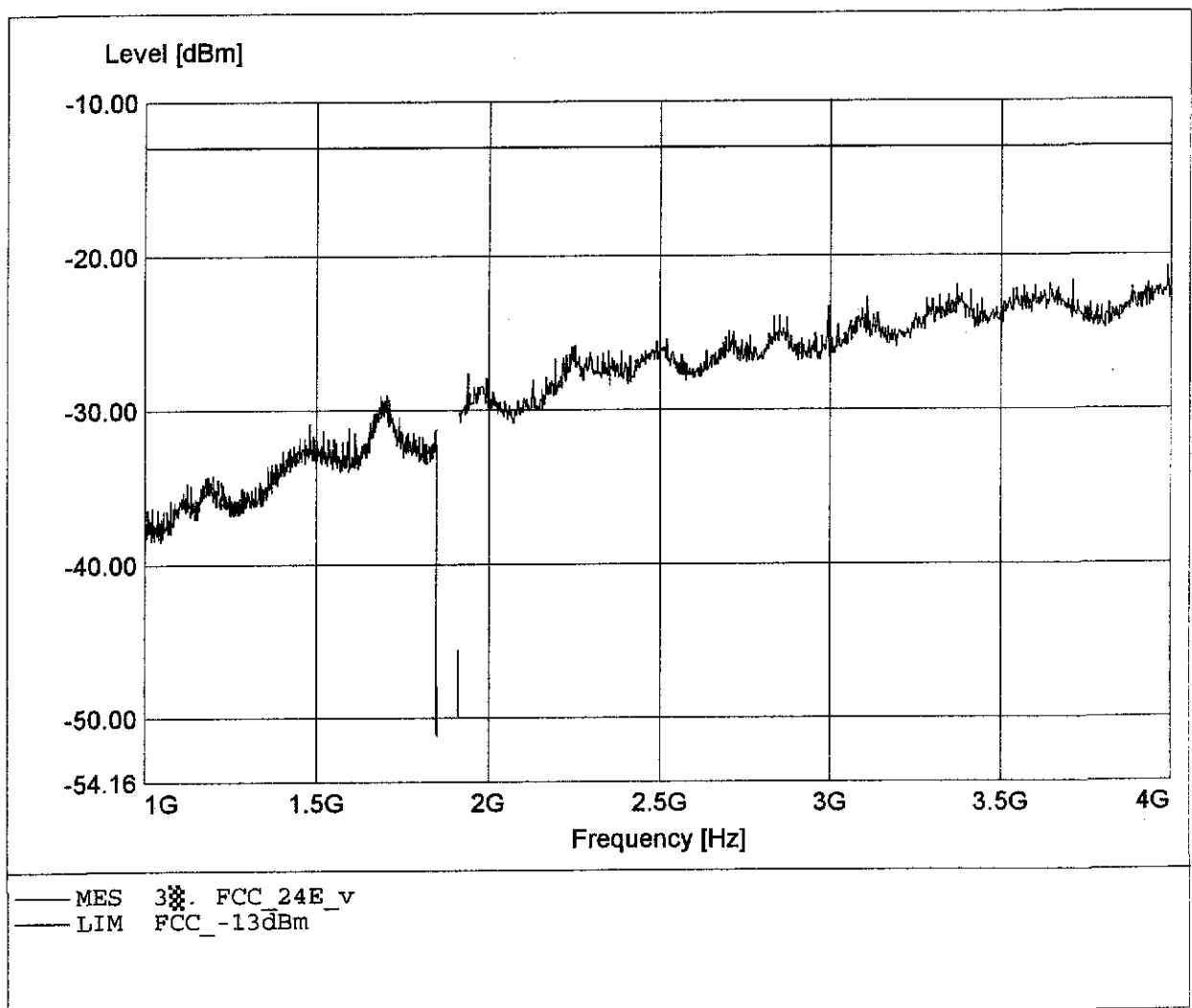
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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.: HL 223
Comment 2: Freq: 843.556MHz, Pmax: -36.18dBm, RBW: 1MHz



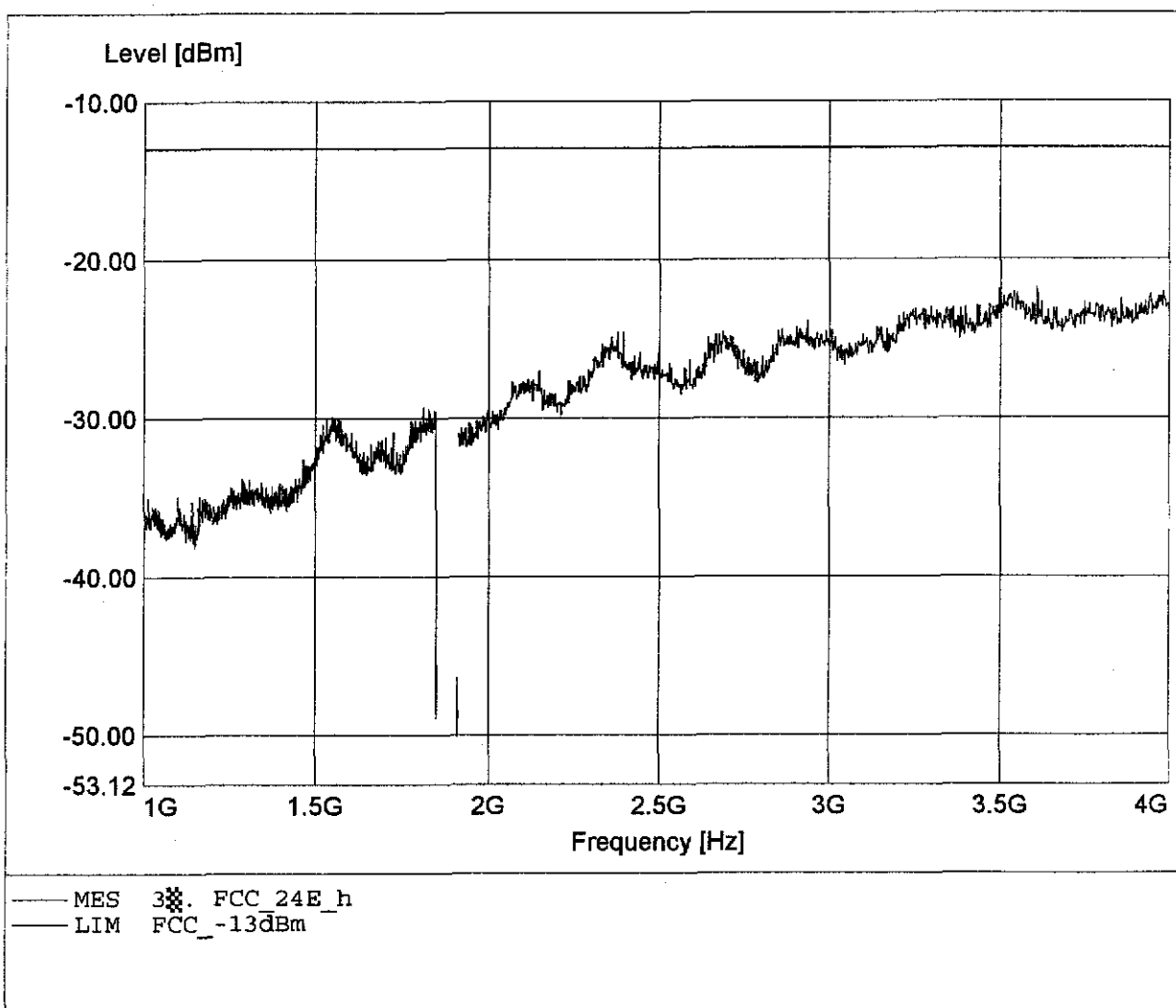
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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
 Comment 2: Freq: 3.991GHz, Pmax: -20.79dBm, RBW: 1MHz/20kHz



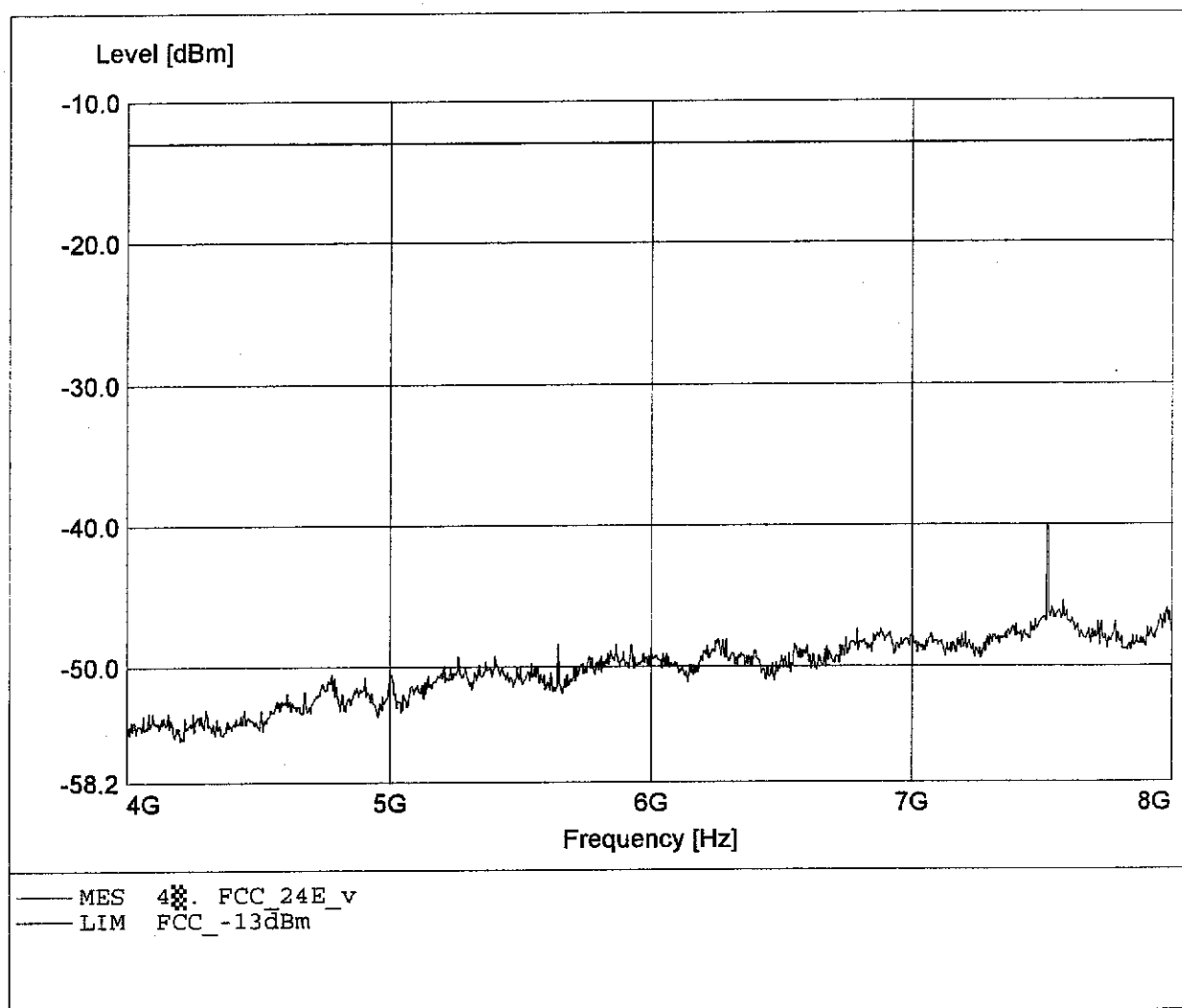
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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
Comment 2: Freq: 3.608GHz, Pmax: -21.70dBm, RBW: 1MHz/20kHz



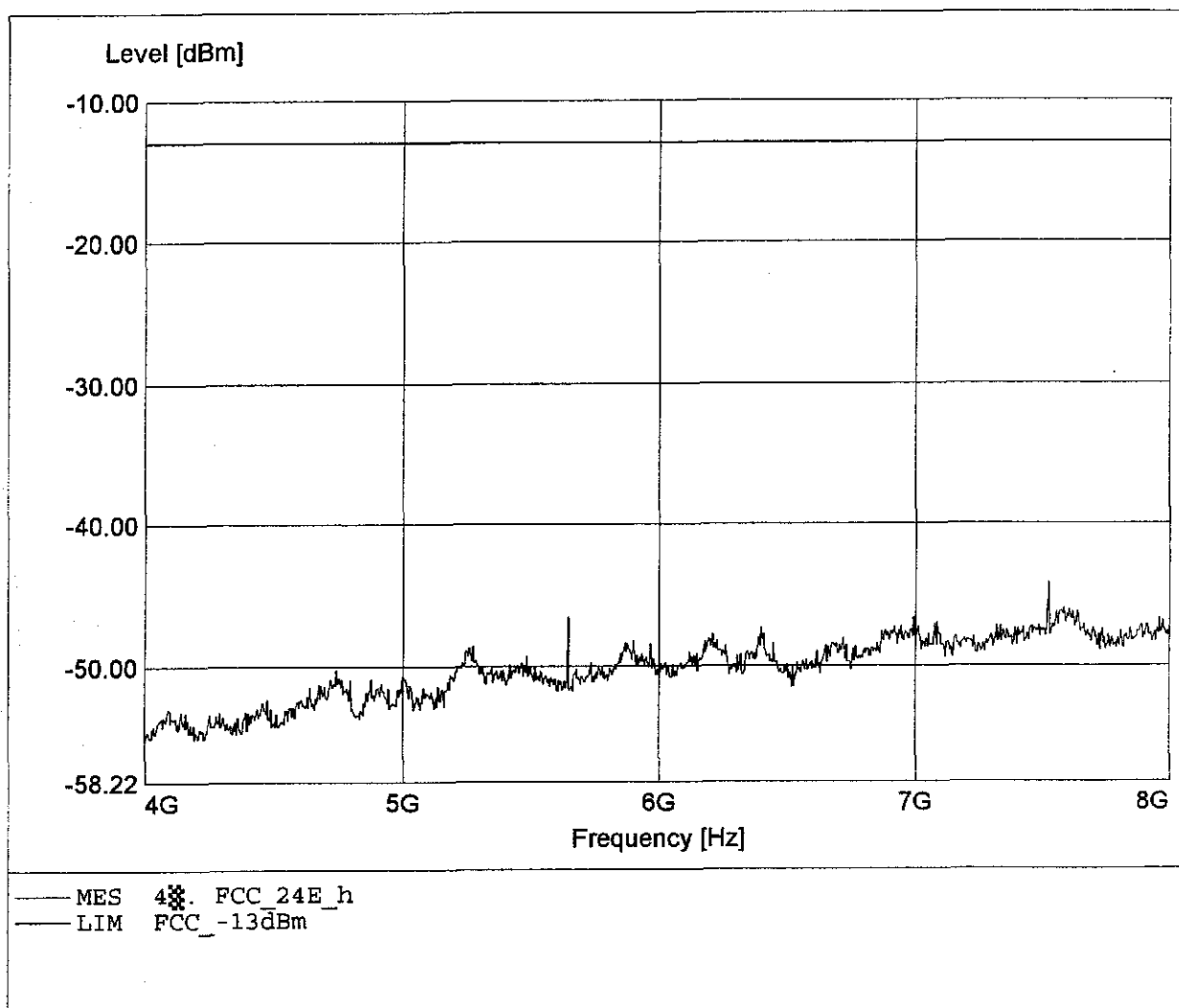
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 7.520GHz, Pmax: -40.01dBm, RBW: 1MHz



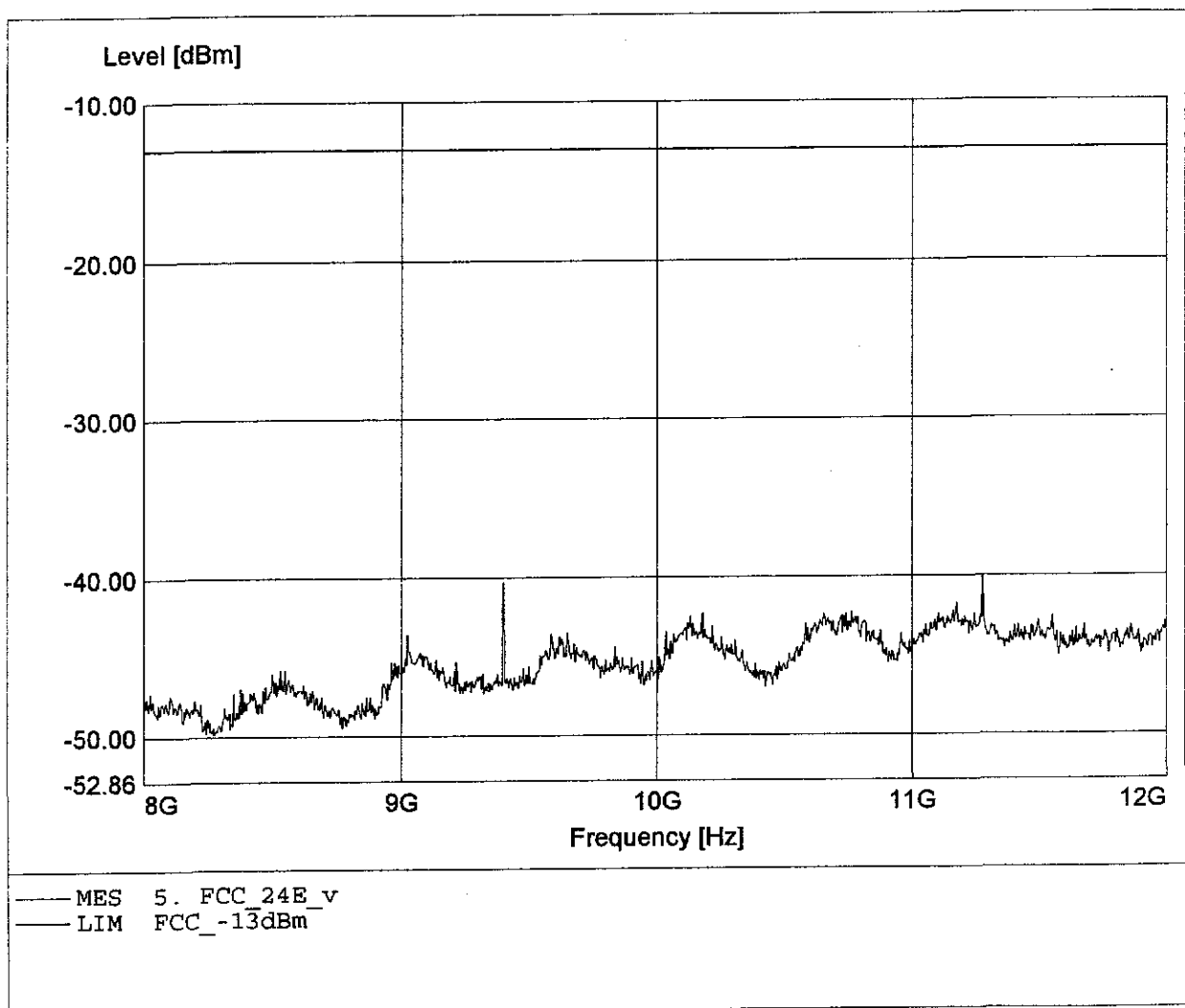
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 7.520GHz, Pmax: -44.15dBm, RBW: 1MHz



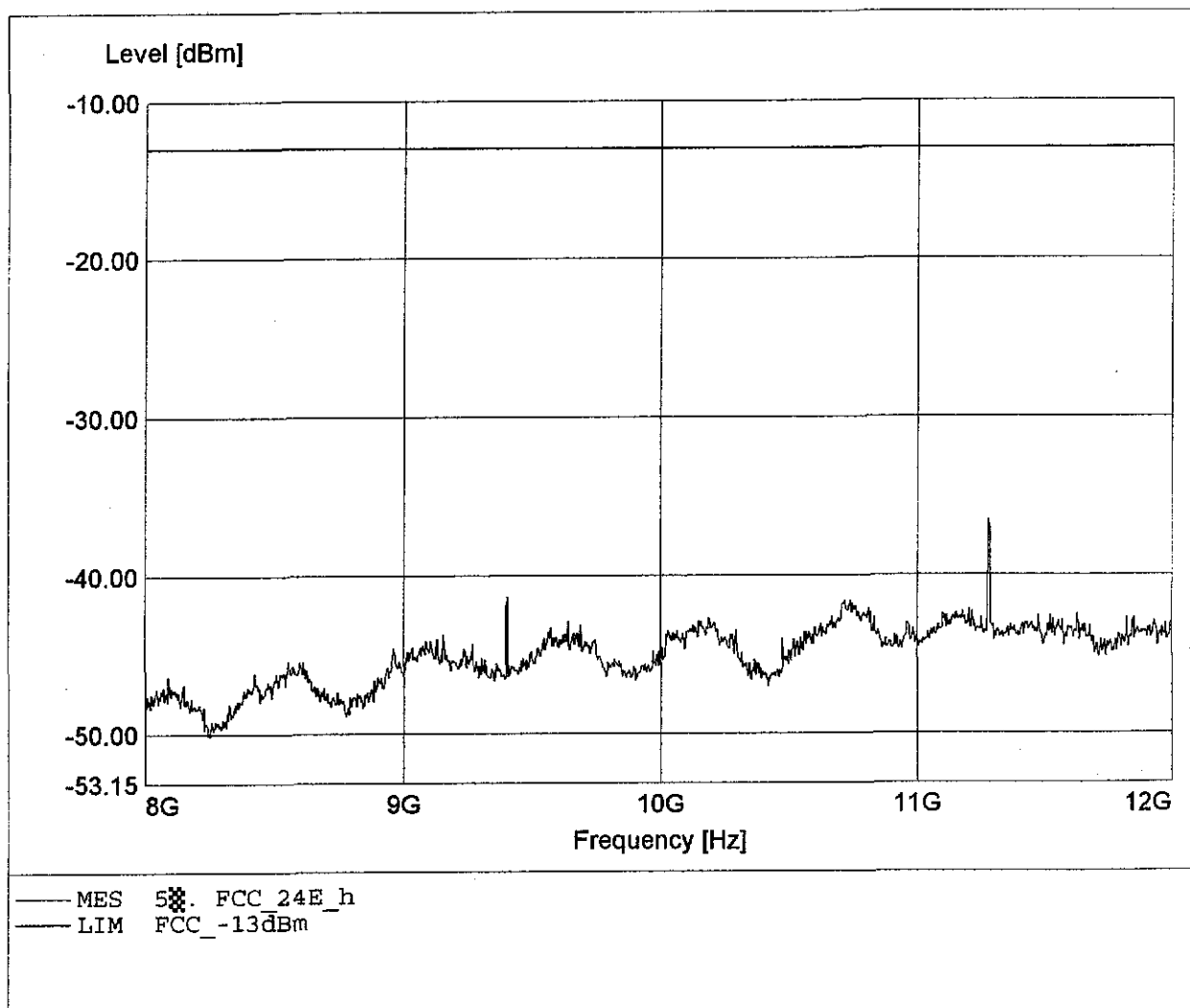
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 11.280GHz, Pmax: -39.96dBm, RBW: 1MHz



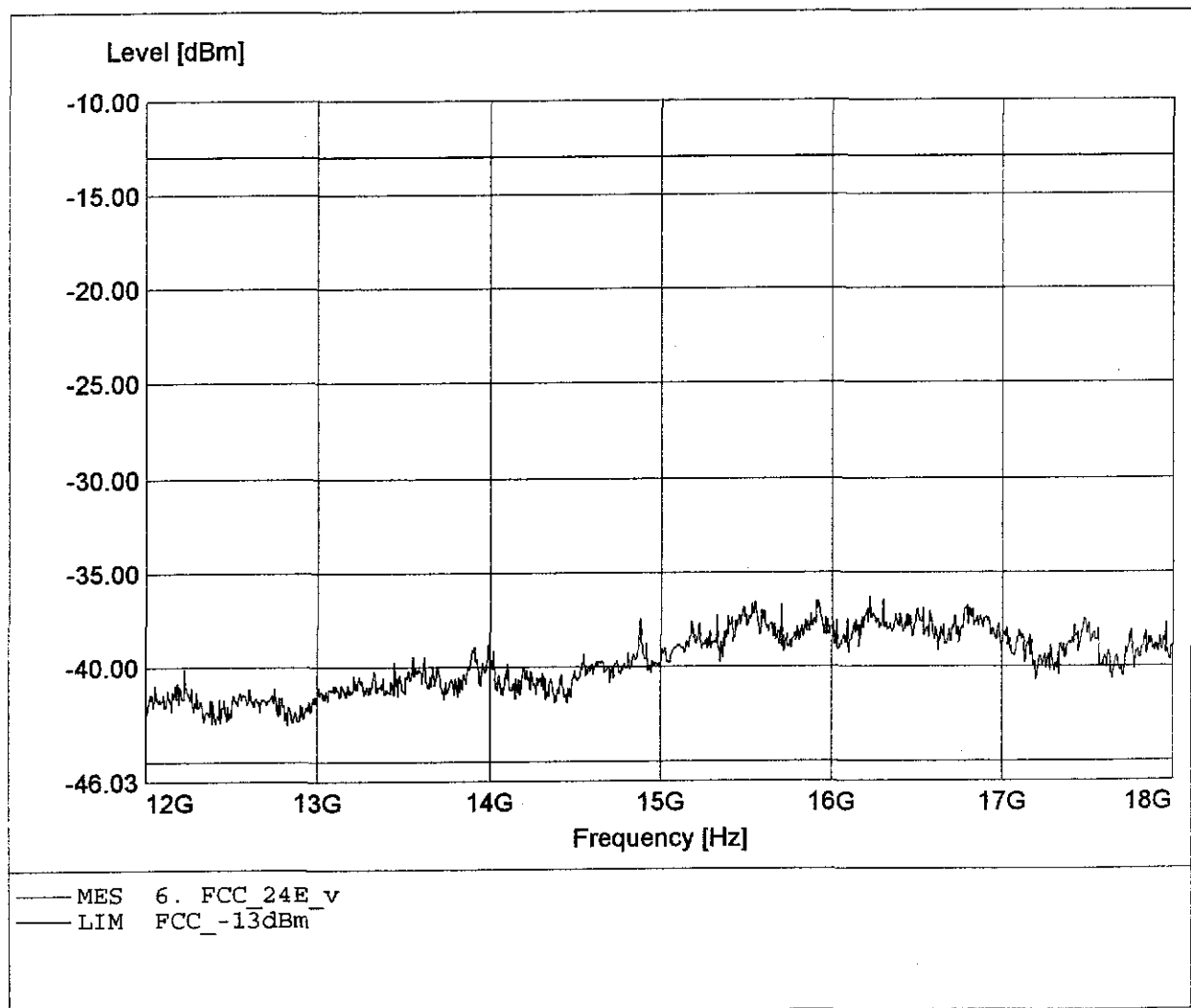
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 11.280GHz, Pmax: -36.56dBm, RBW: 1MHz



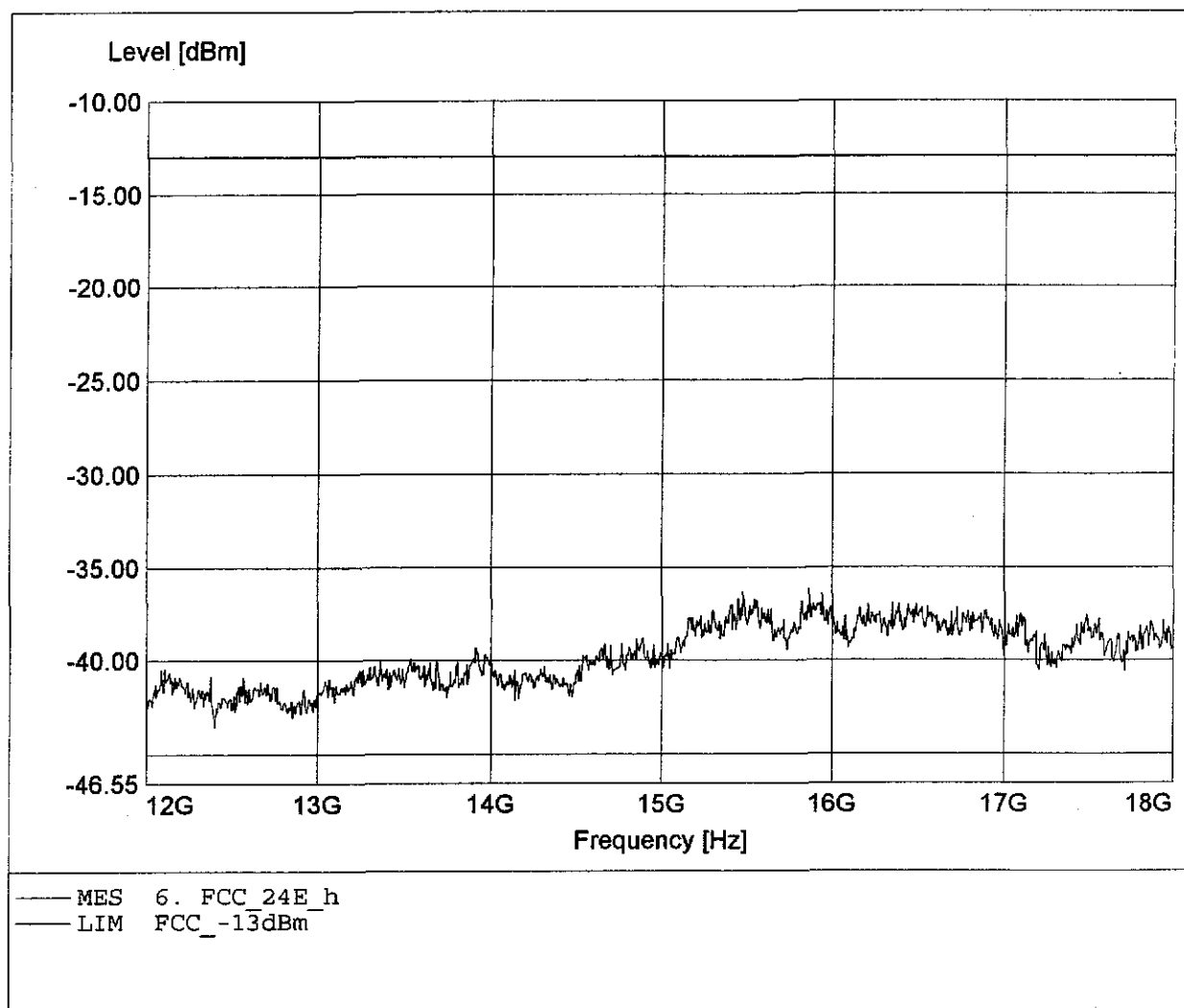
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 16.220GHz, Pmax: -36.32dBm, RBW: 1MHz



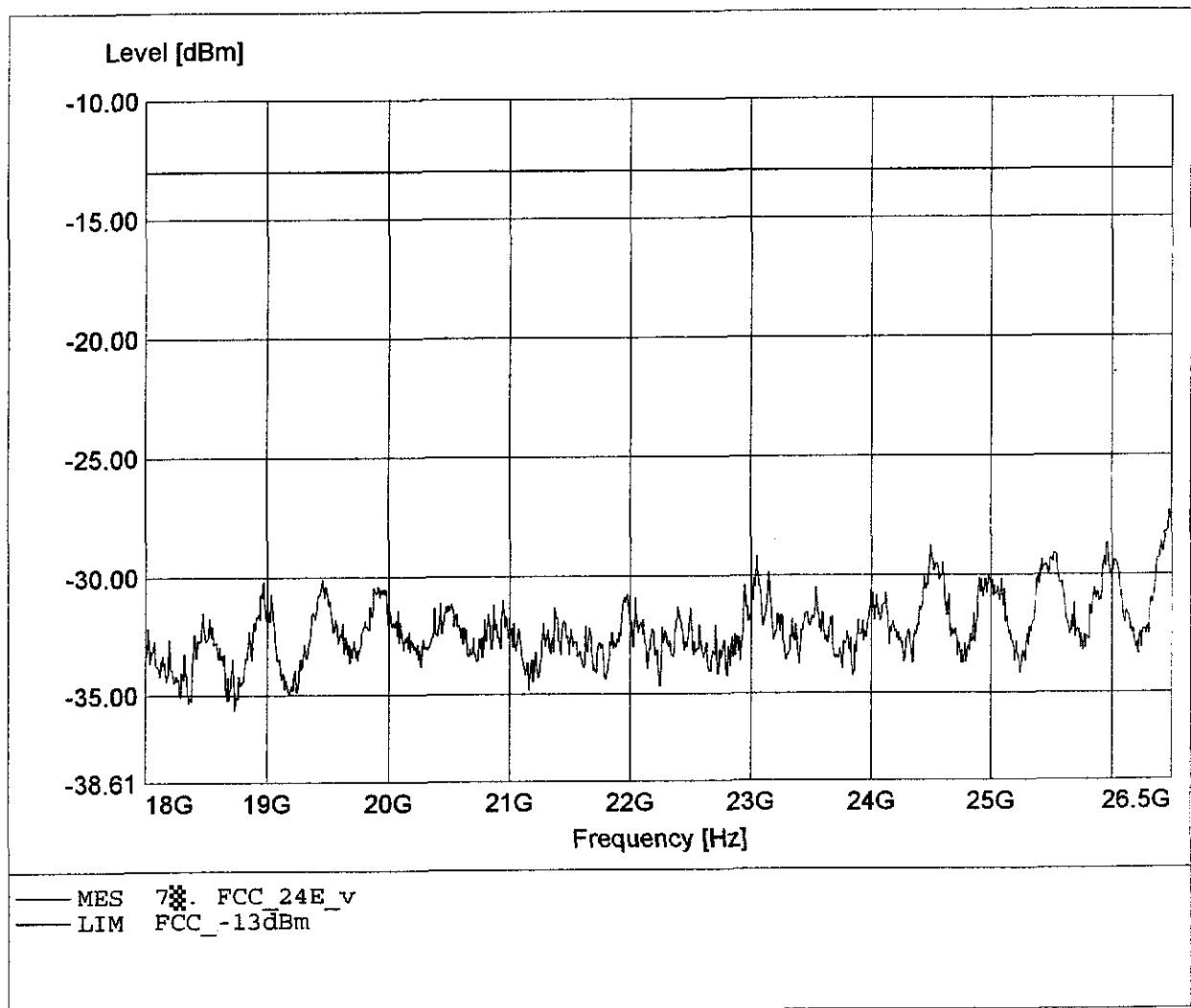
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 15.867GHz, Pmax: -36.24dBm, RBW: 1MHz



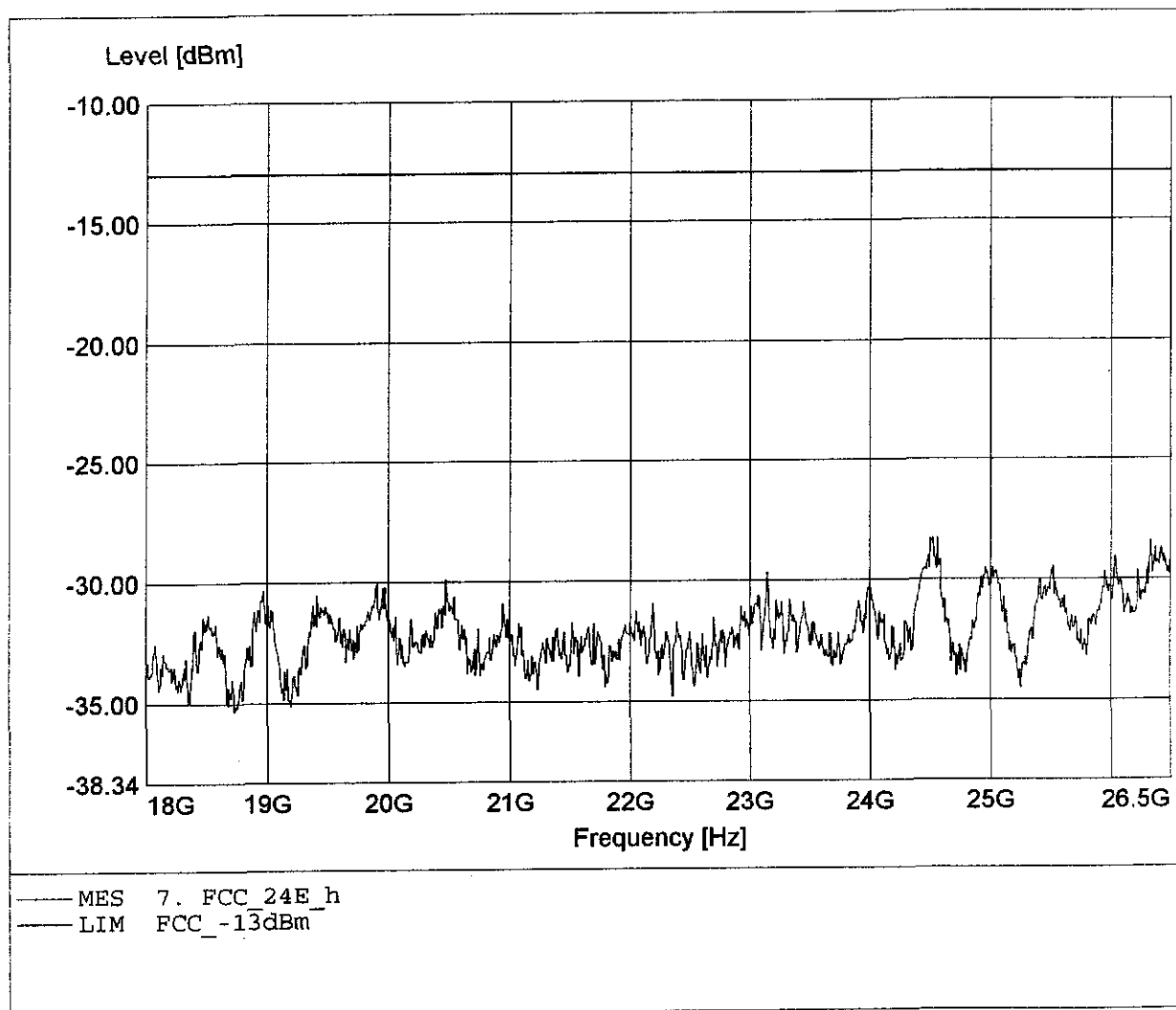
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 26.481GHz, Pmax: -27.34dBm, RBW: 1MHz



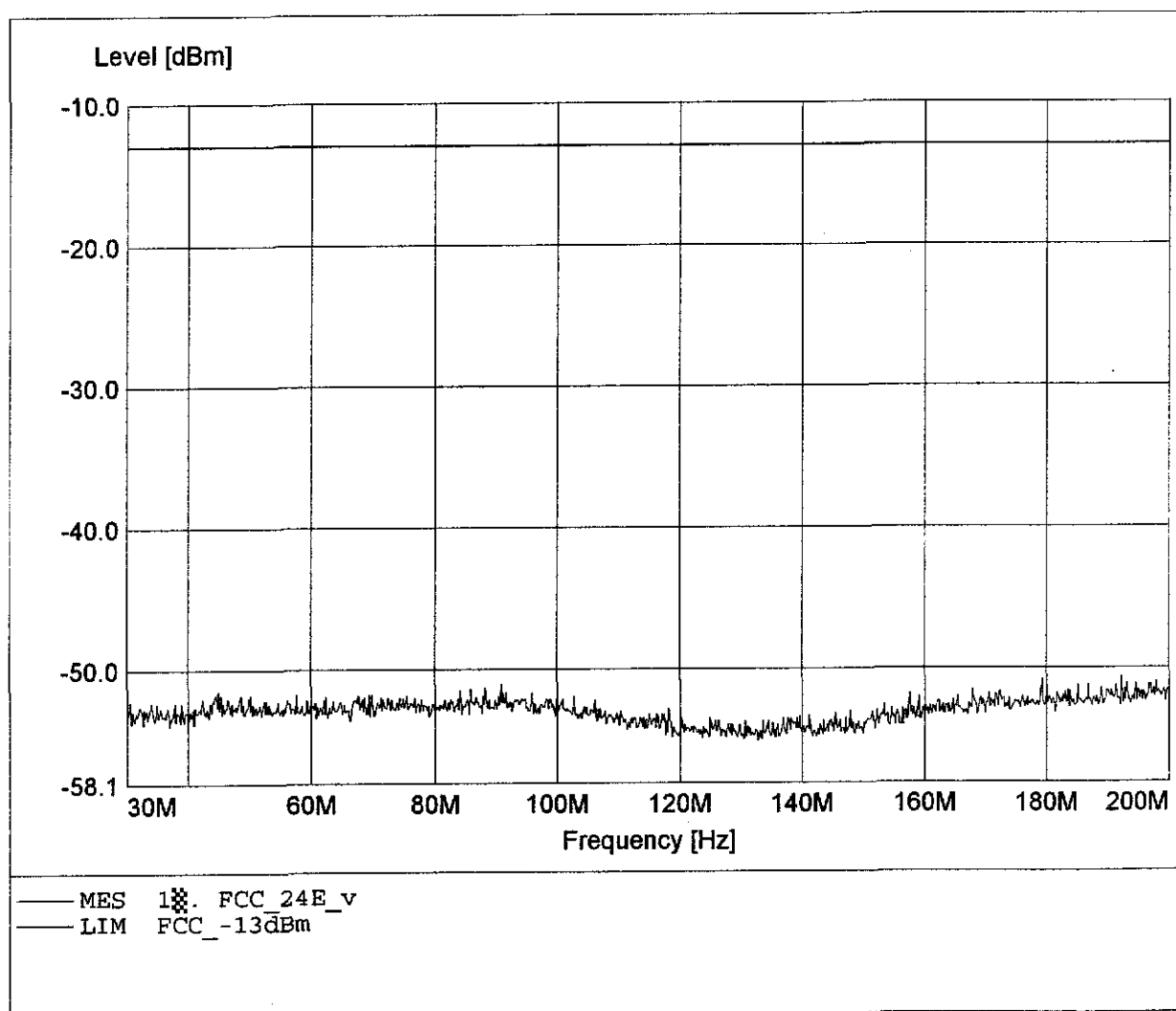
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



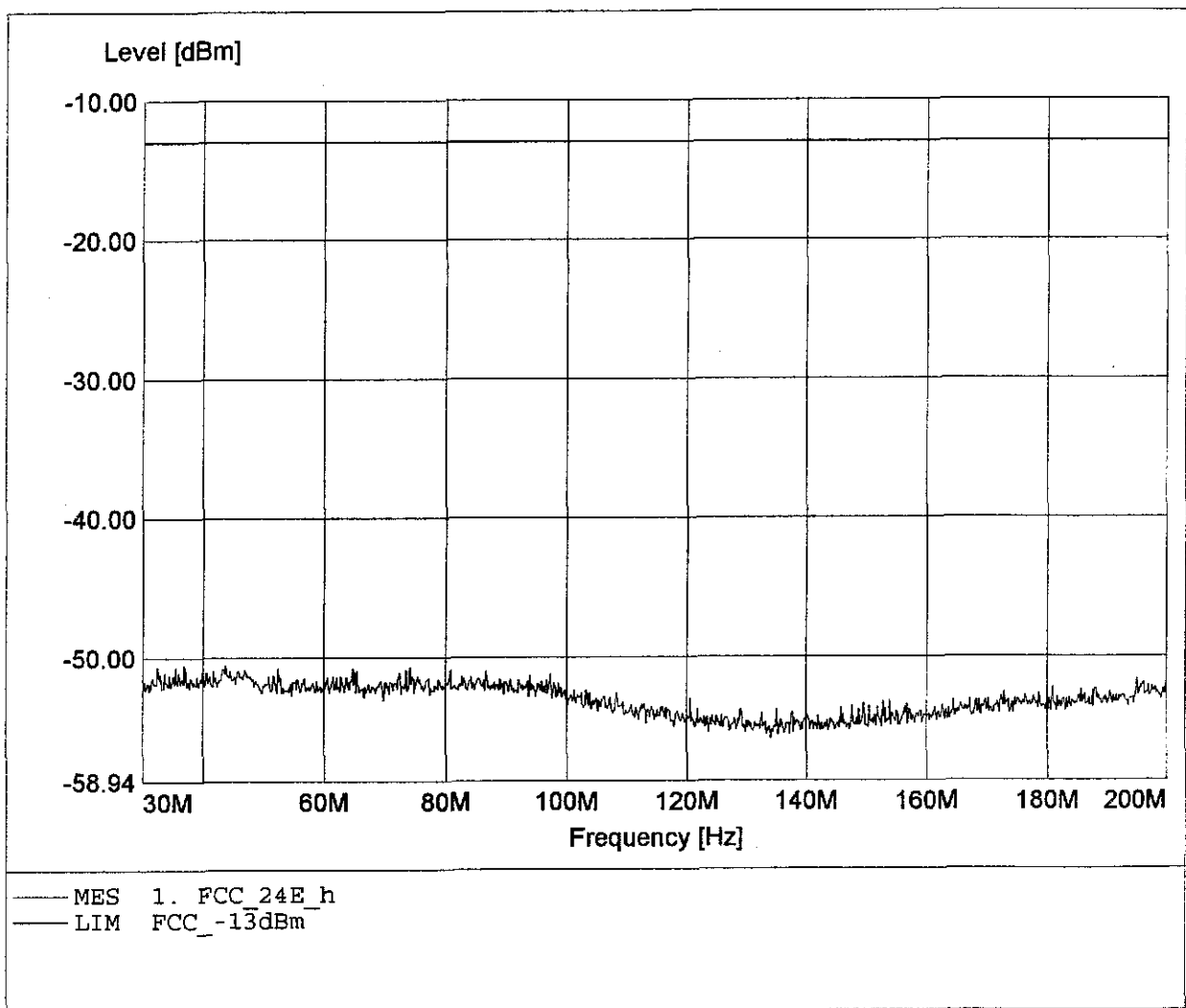
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 192.256MHz, Pmax: -50.67dBm, RBW: 1MHz



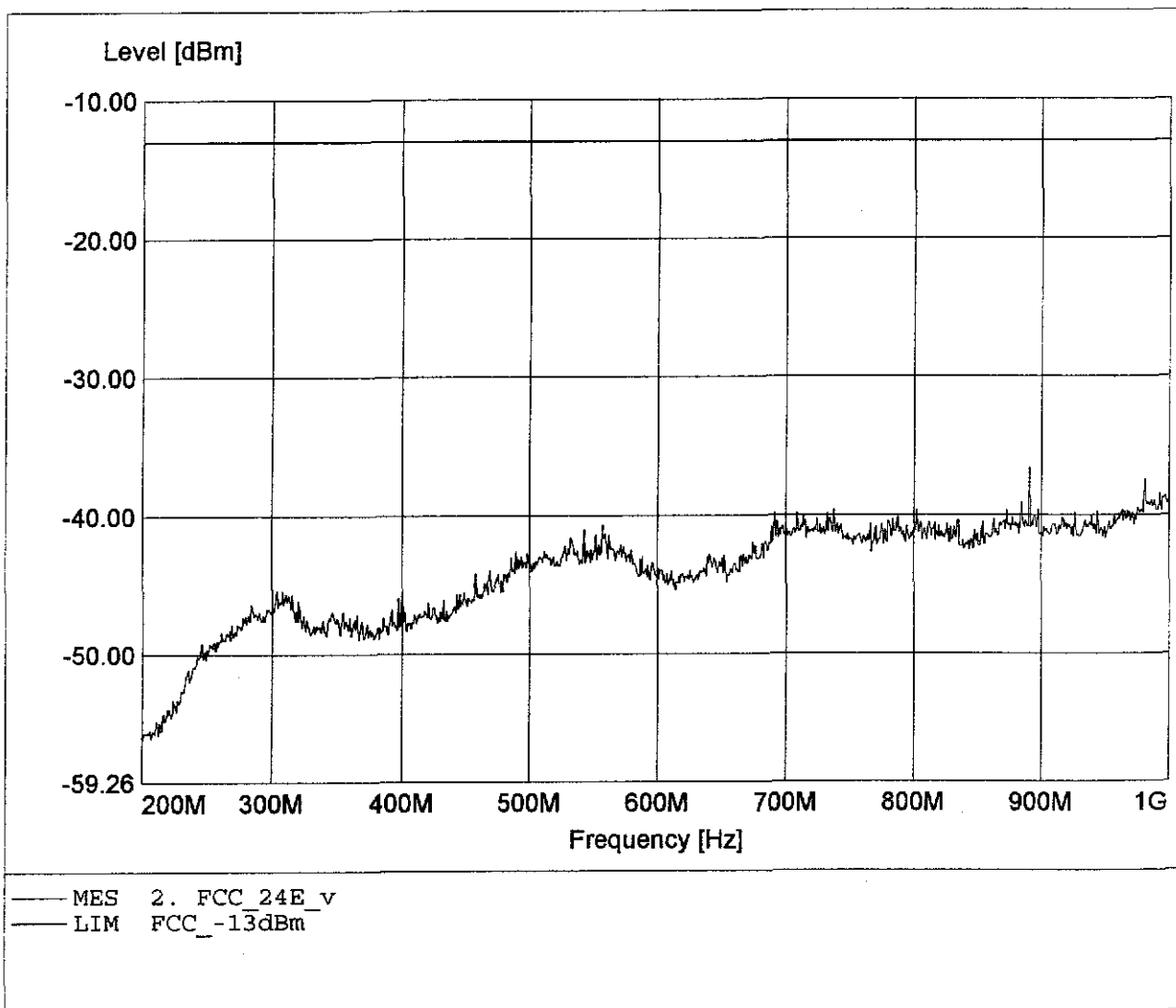
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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.: HK 116
Comment 2: Freq: 43.789MHz, Pmax: -50.52dBm, RBW: 1MHz



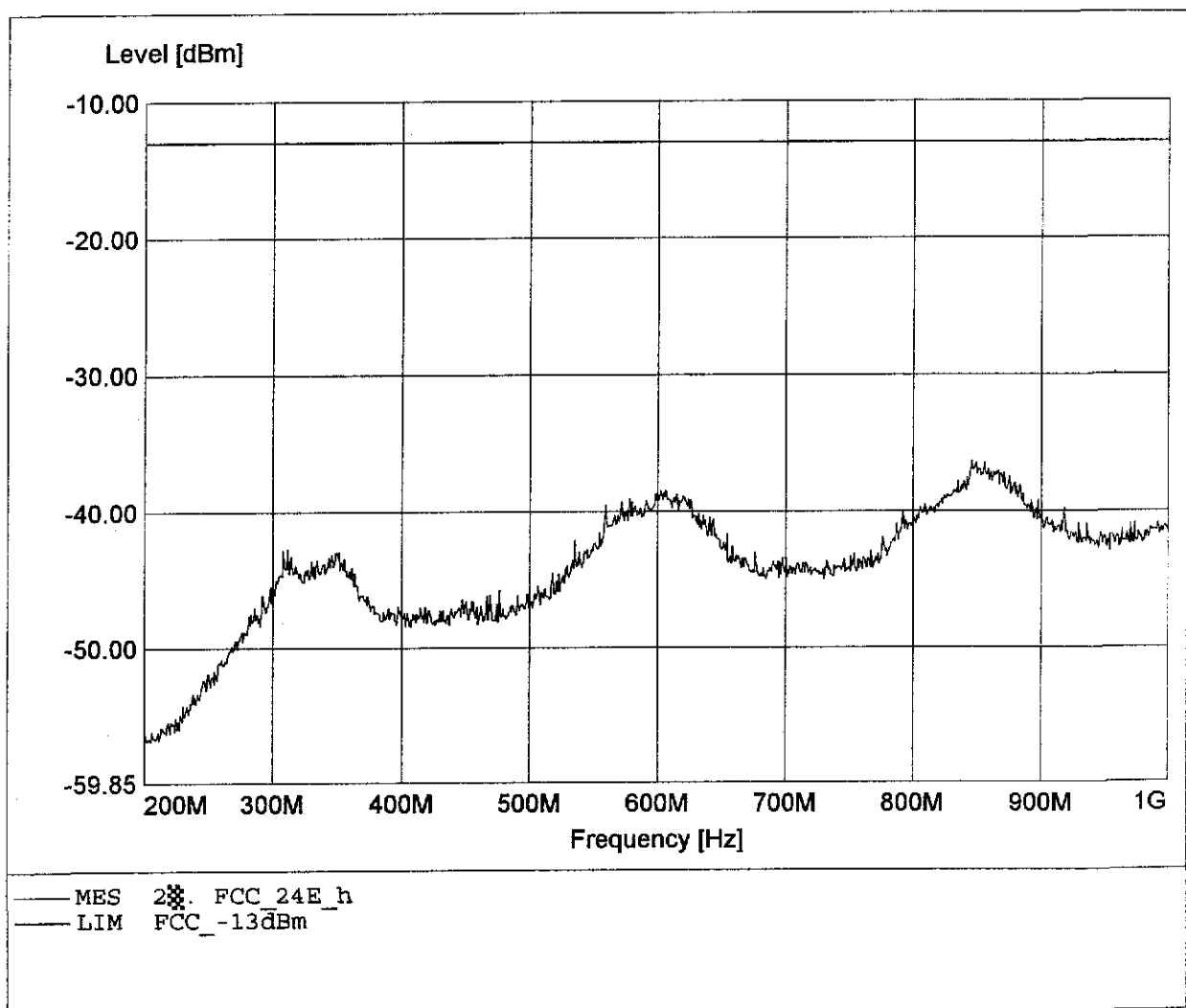
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



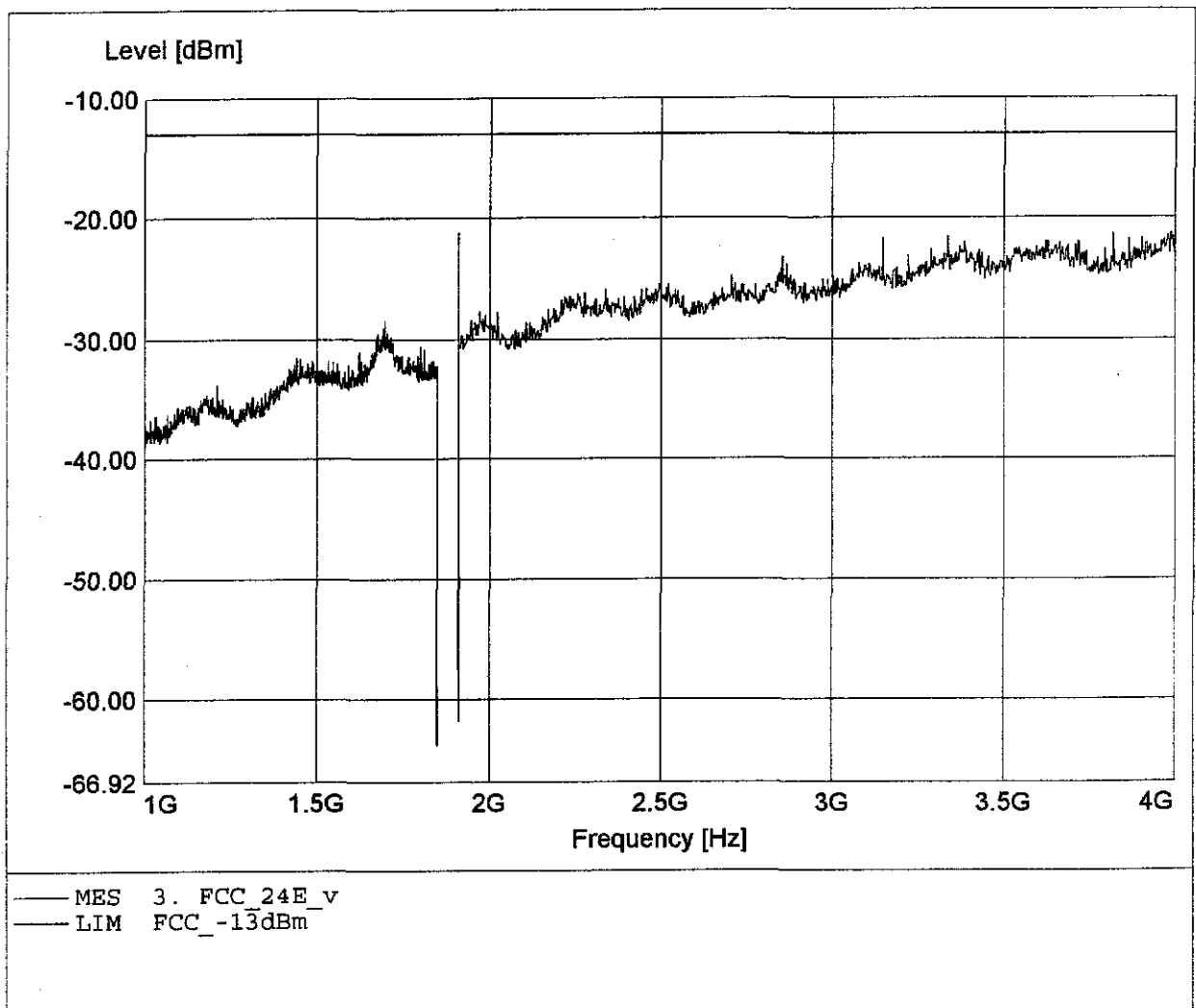
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



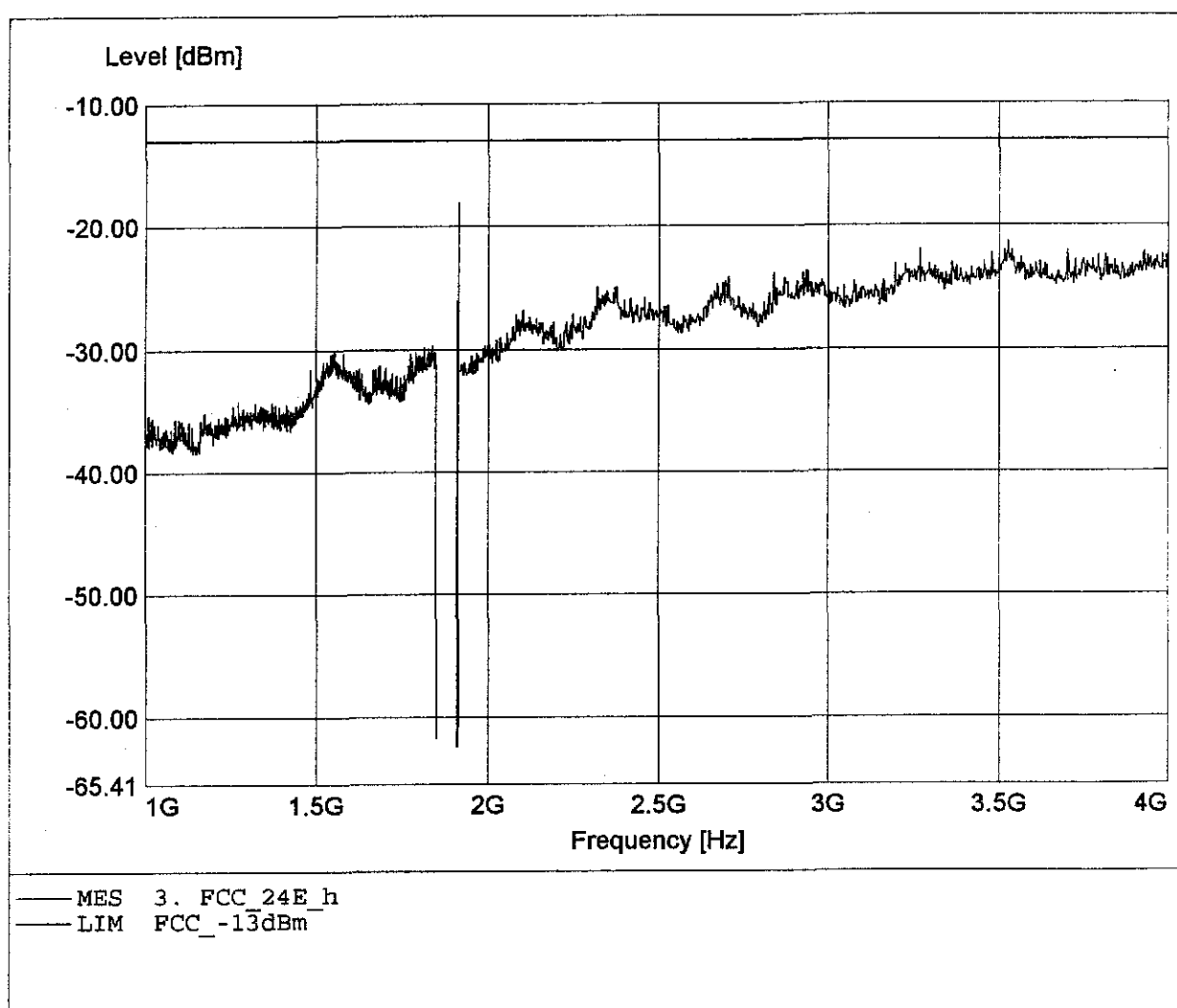
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



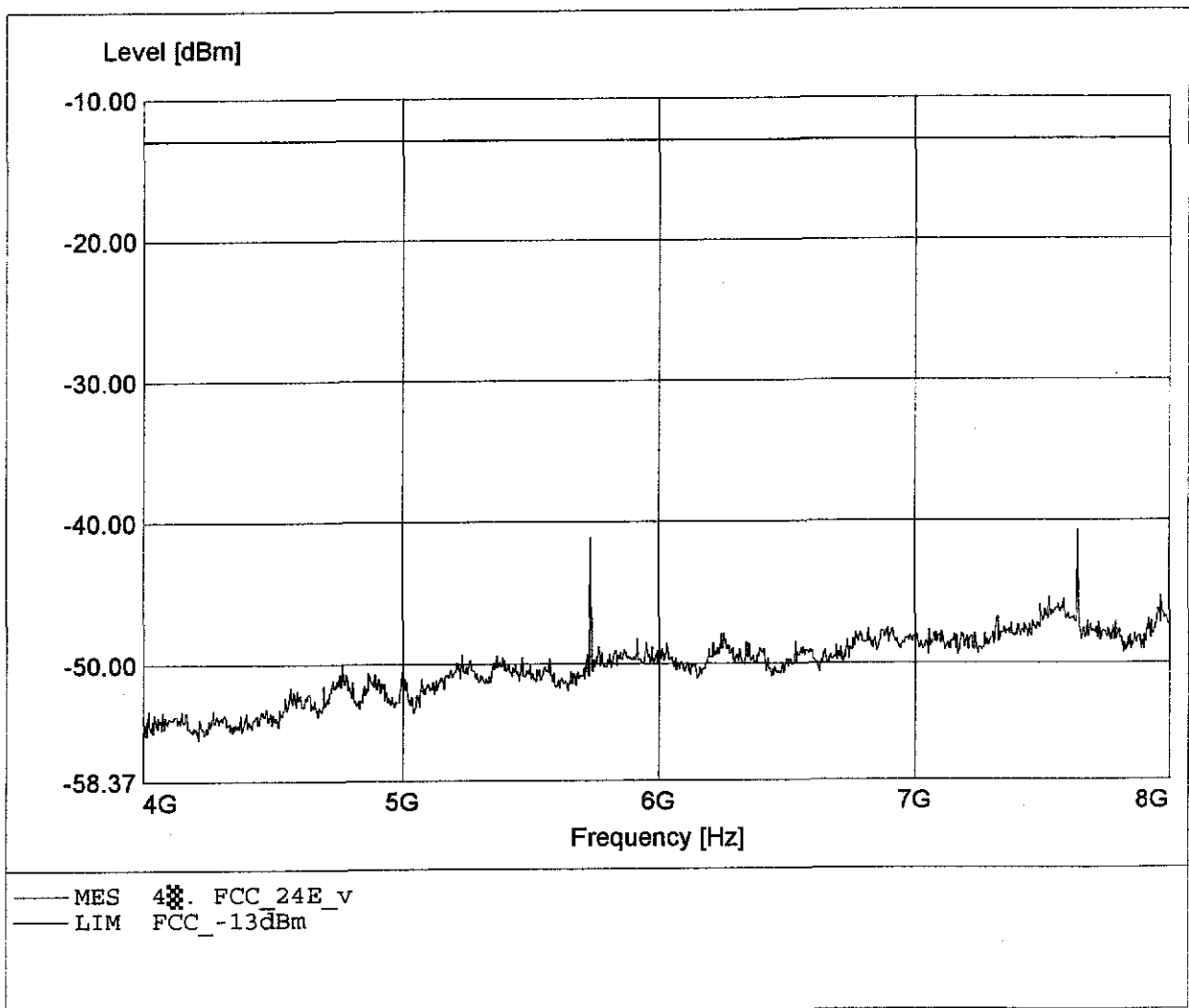
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



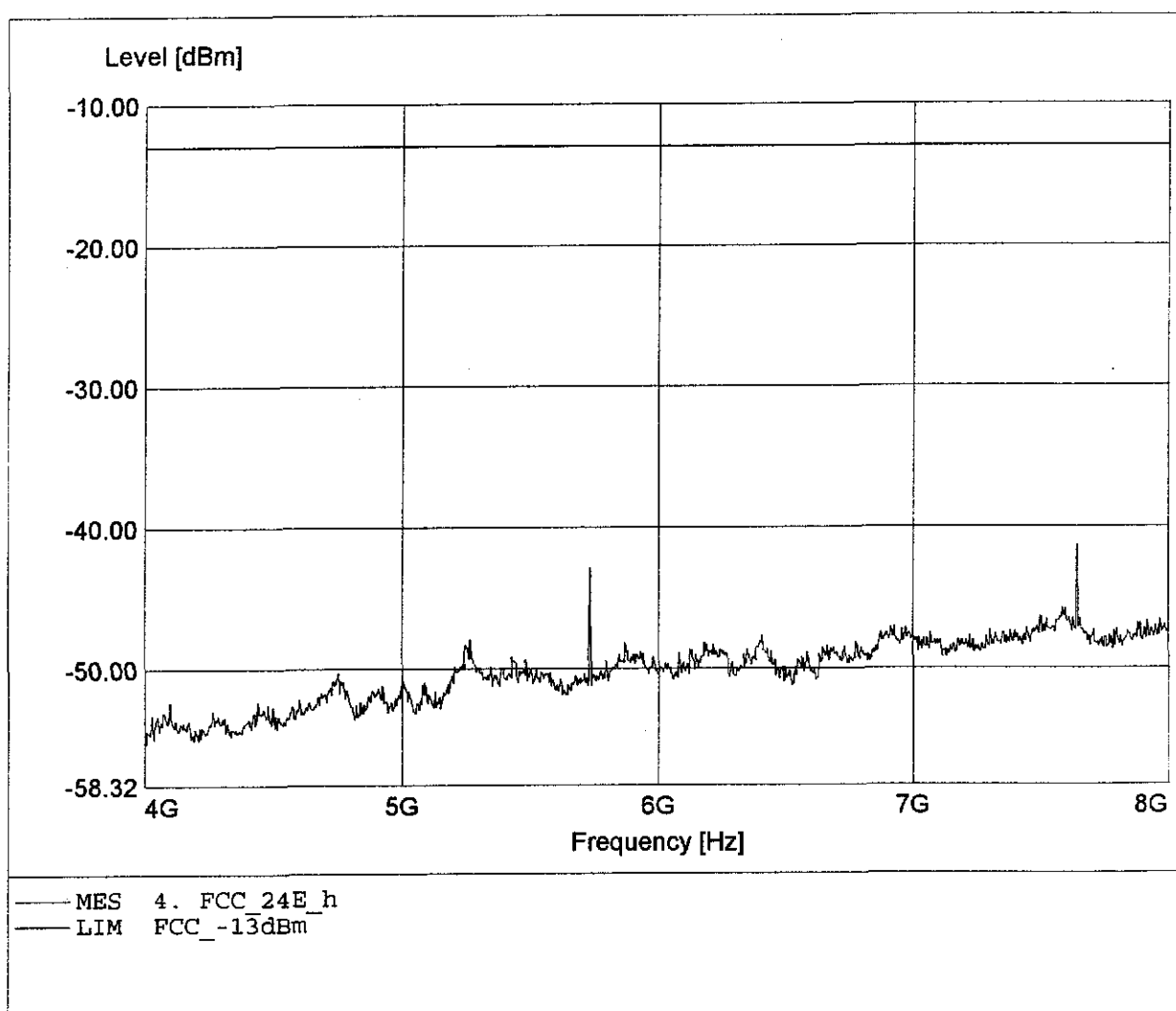
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



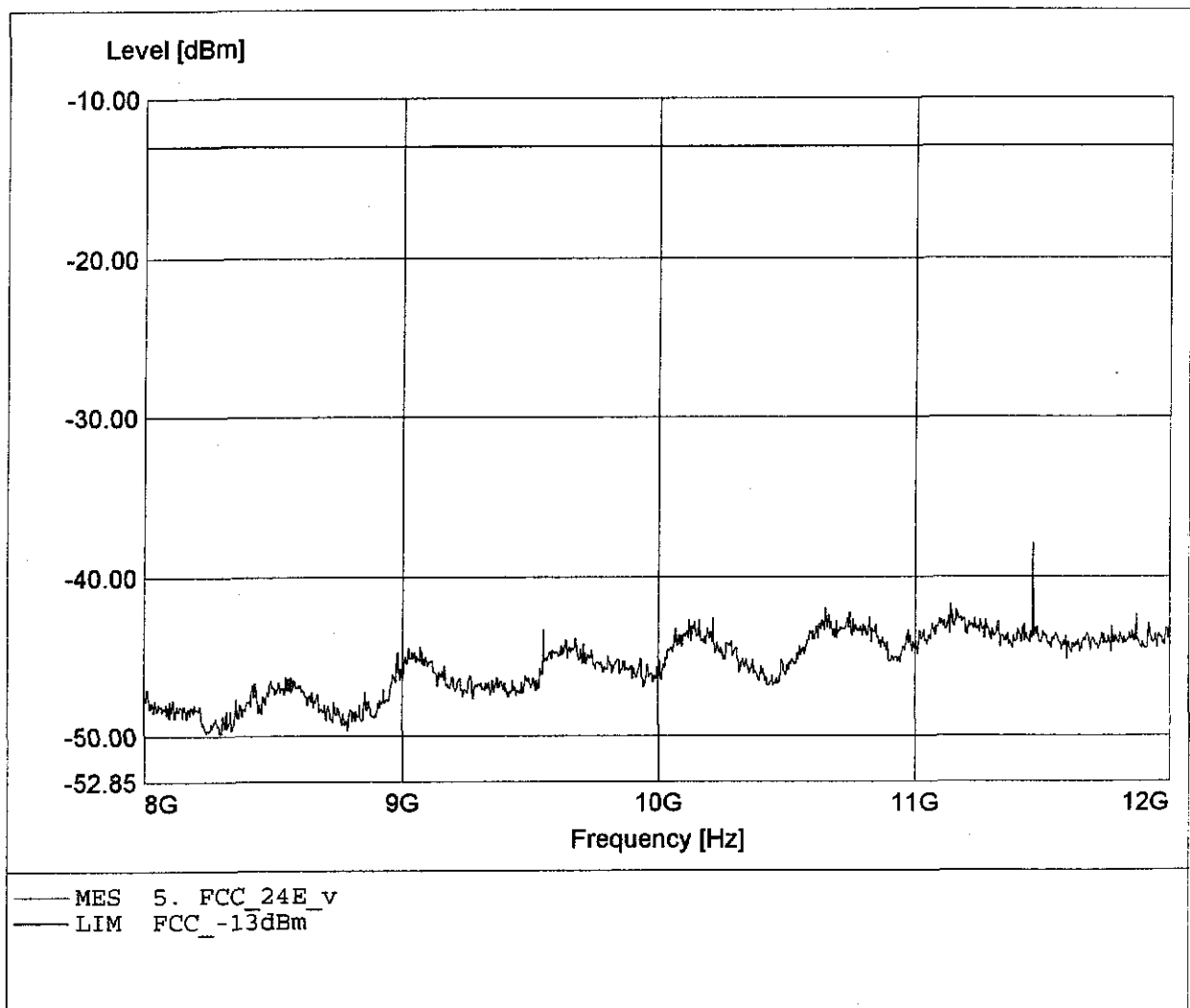
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



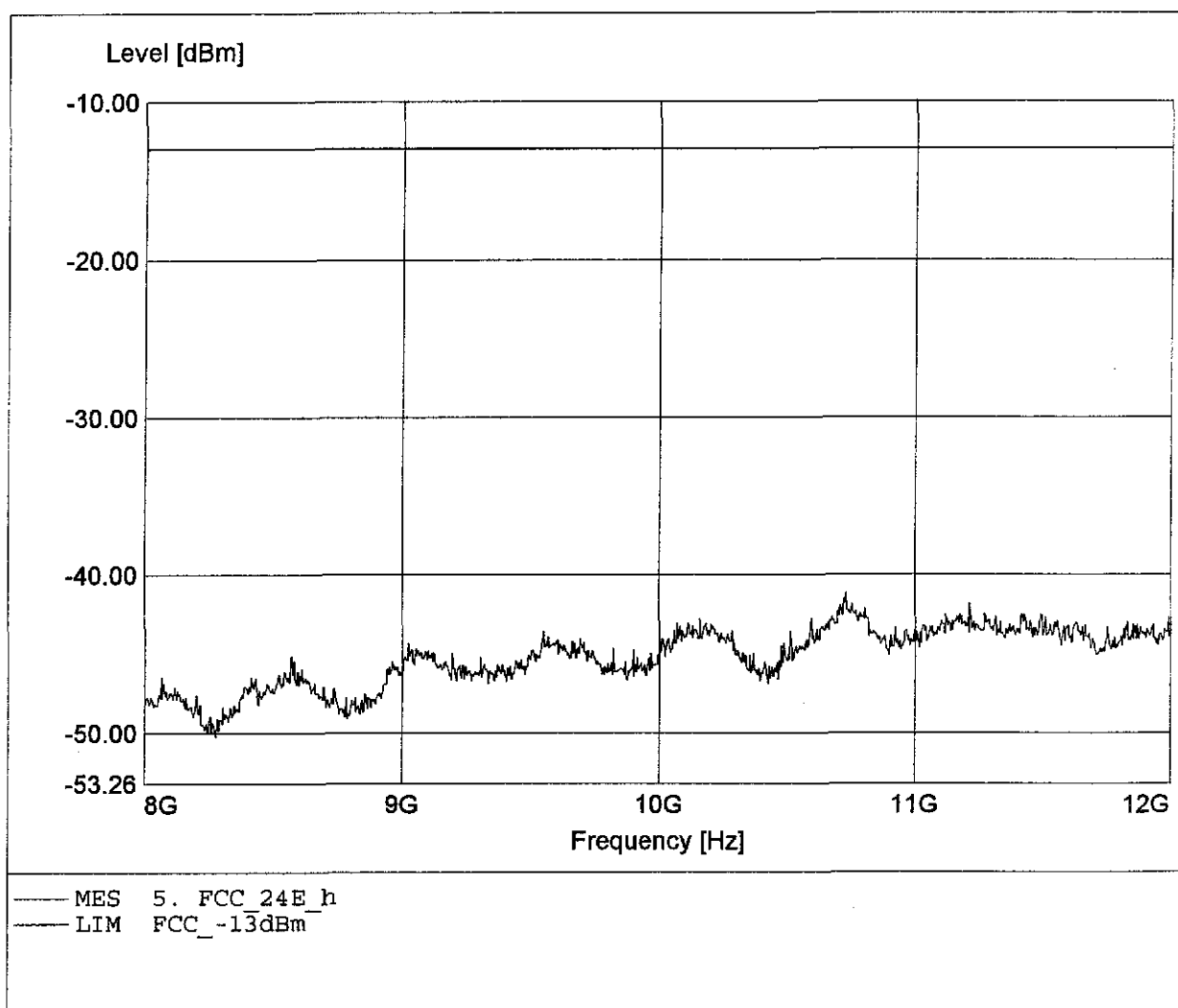
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 11.462GHz, Pmax: -37.89dBm, RBW: 1MHz



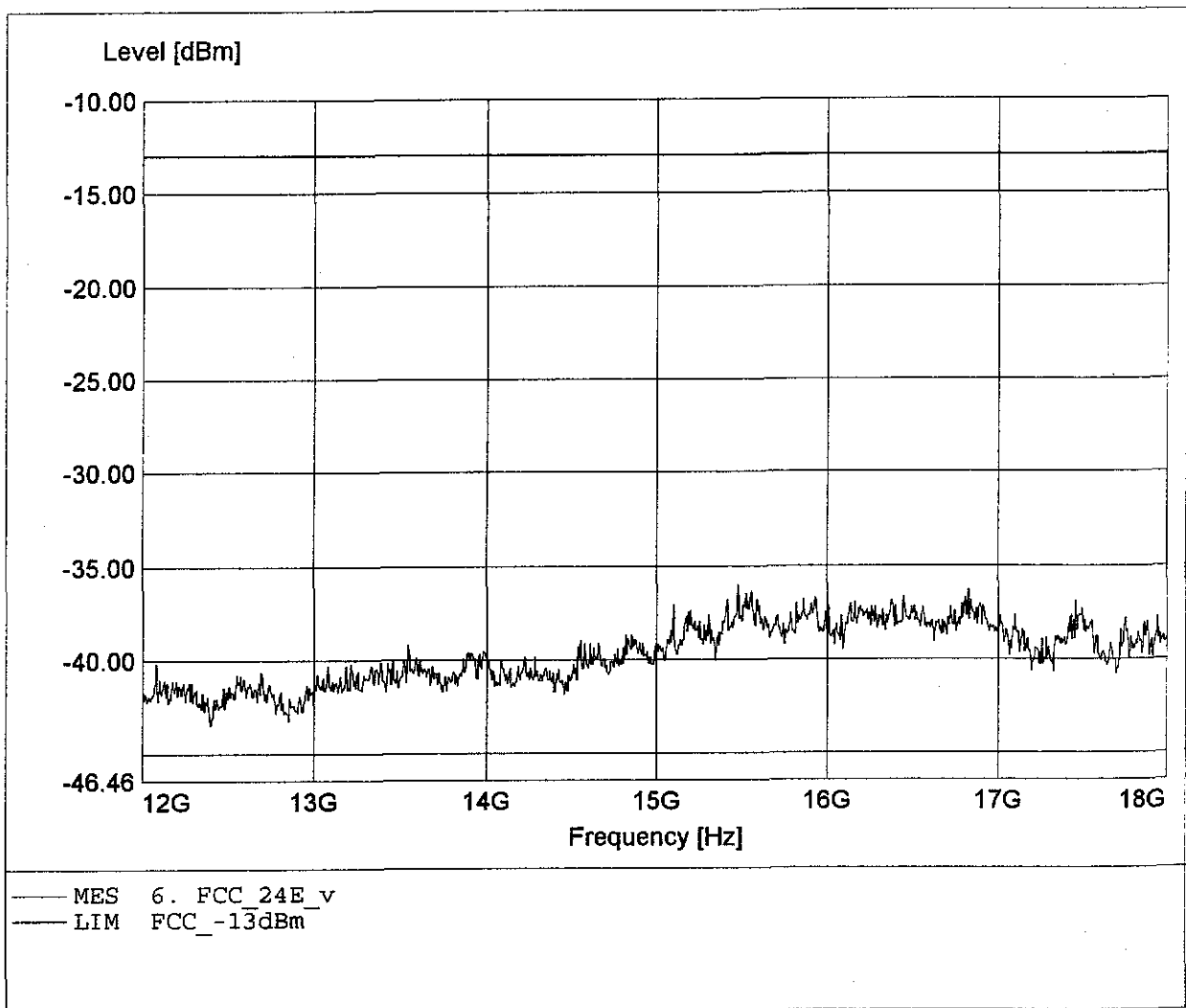
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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



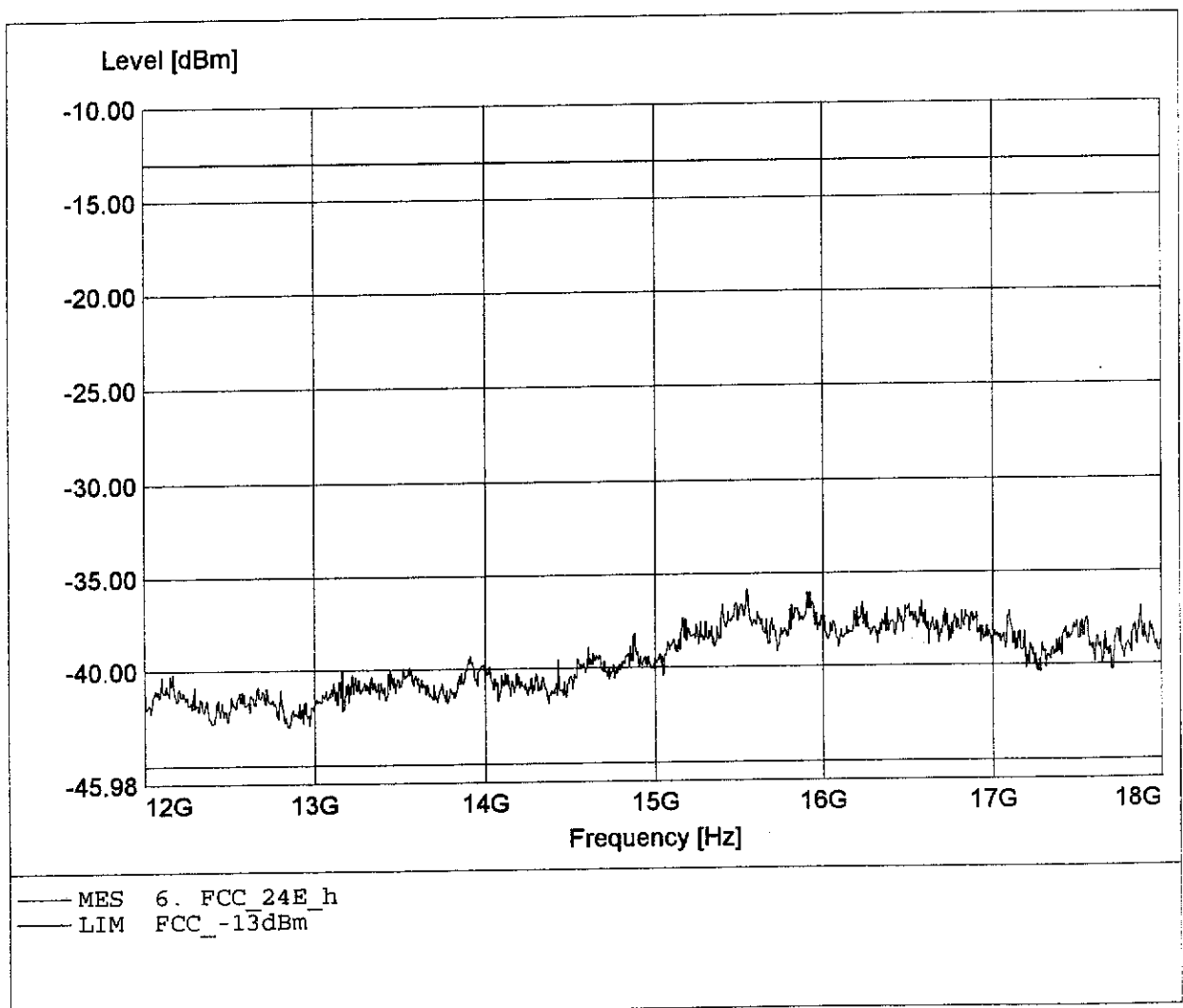
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 15.473GHz, Pmax: -35.98dBm, RBW: 1MHz



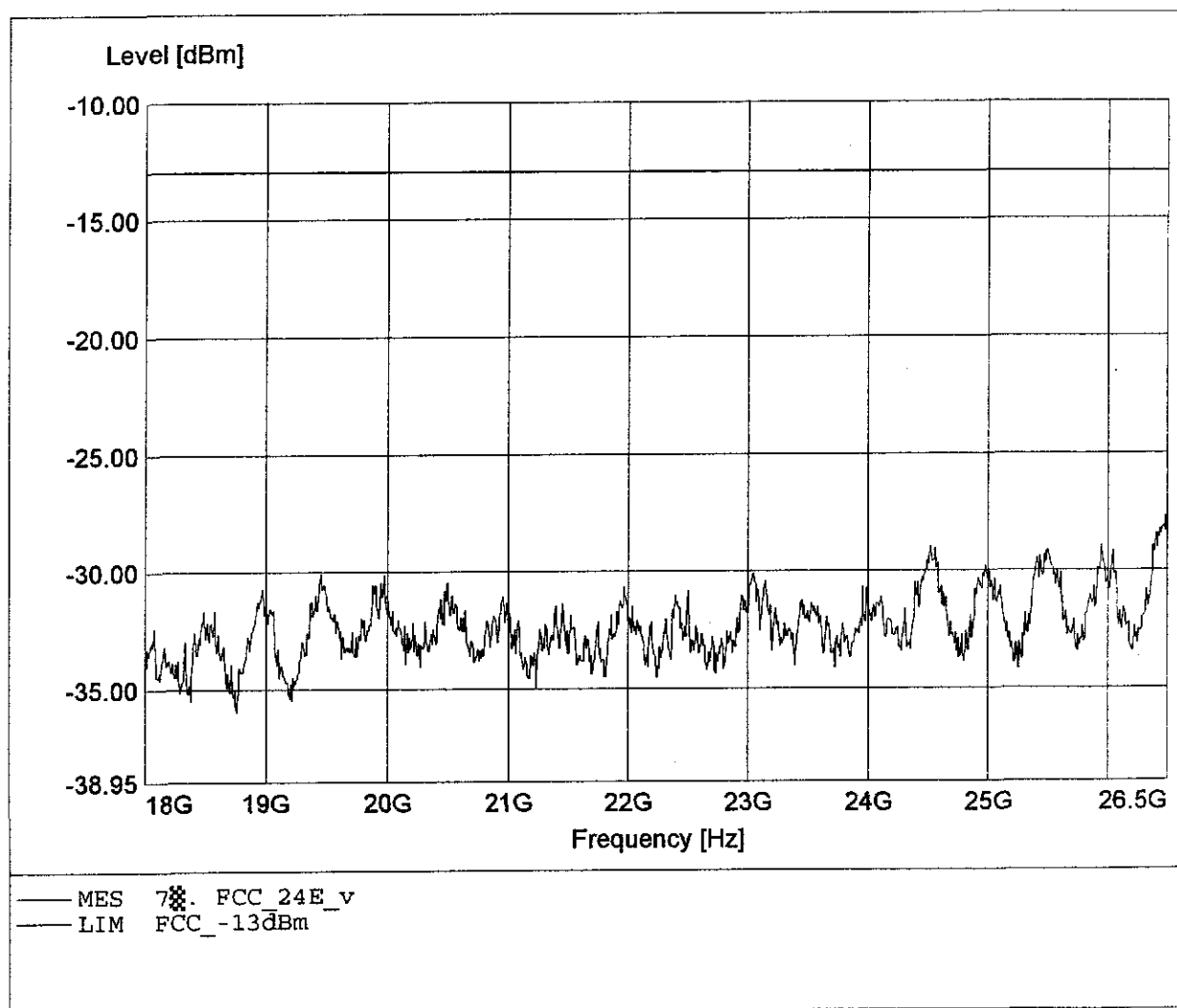
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 15.547GHz, Pmax: -35.86dBm, RBW: 1MHz



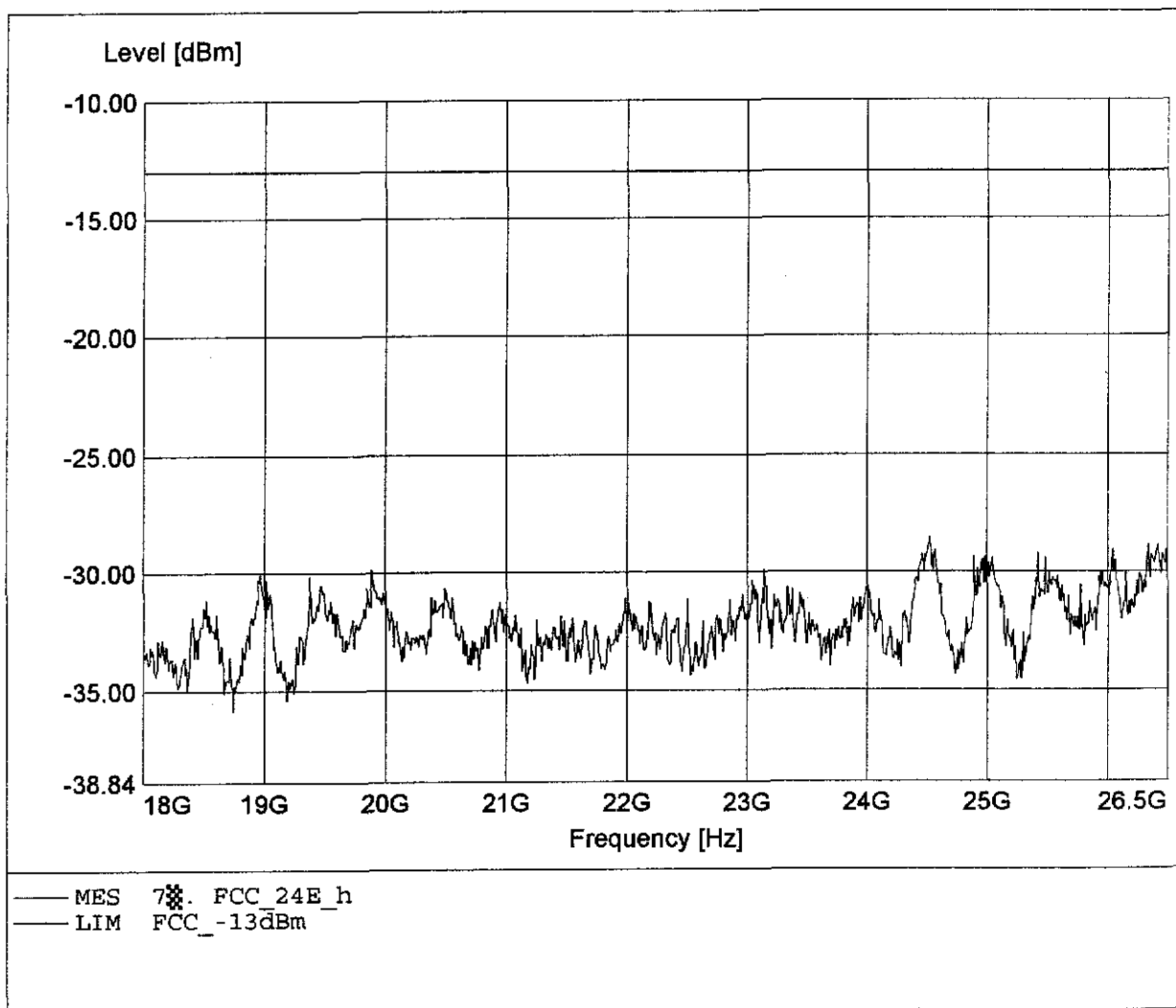
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

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: 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.

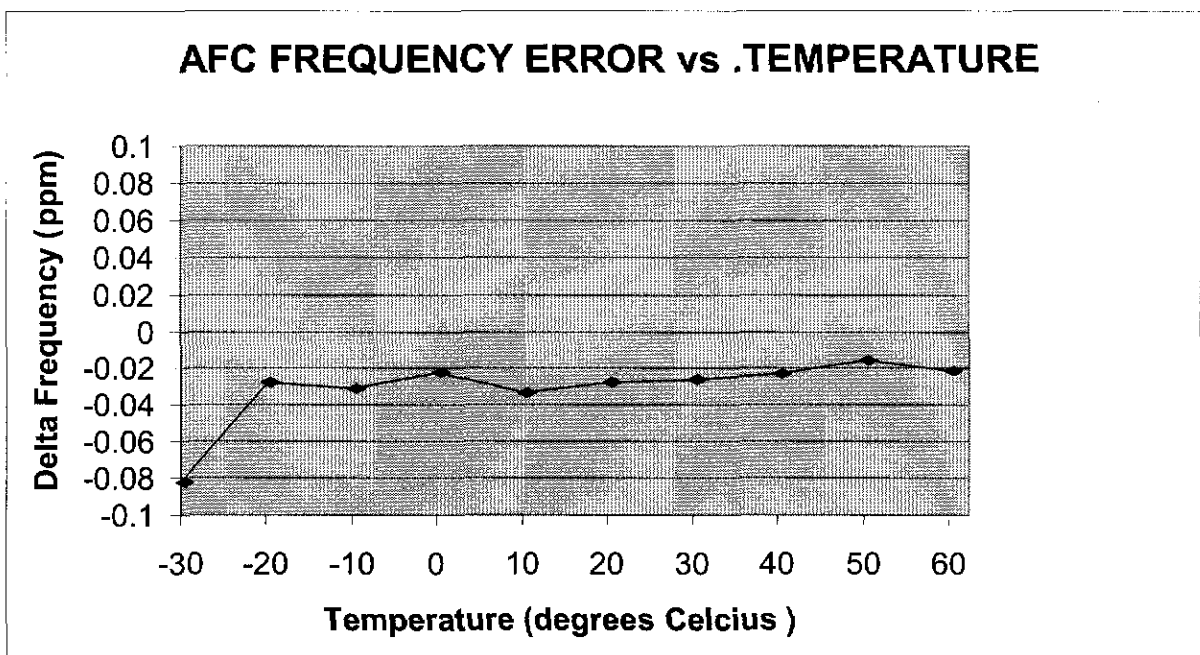
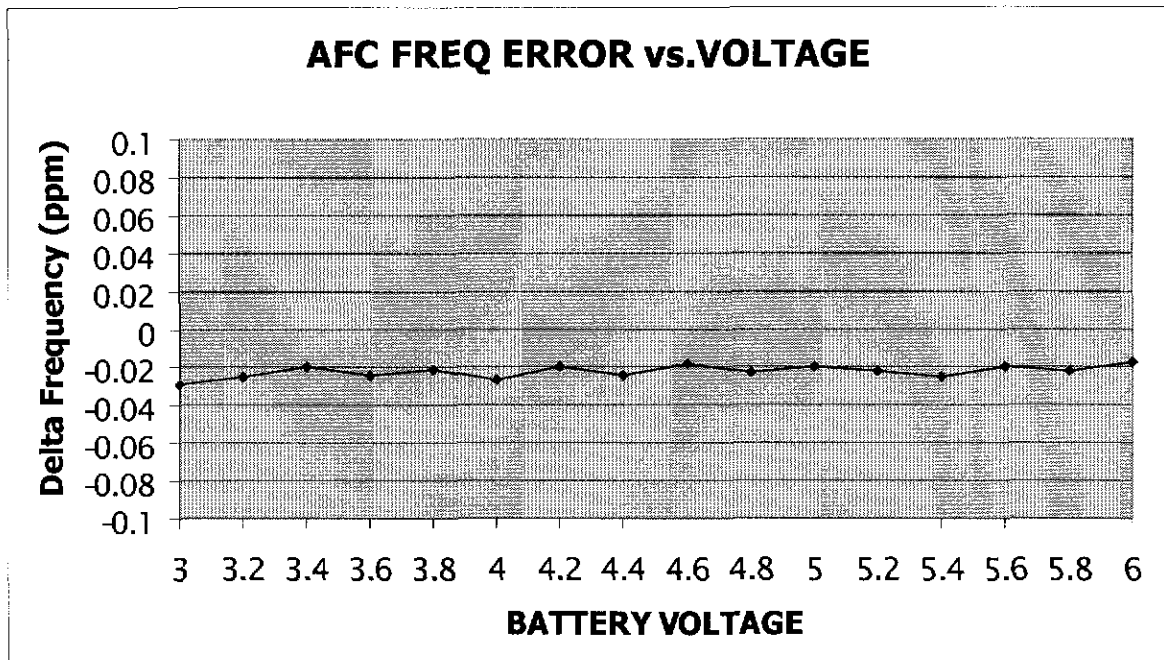
1. Measure the carrier frequency at room temperature.
2. Subject the mobile station to overnight soak at -30 C.
3. With the mobile station, powered via 4.8 Volts, connected to the 8922H and in a simulated call on channel 662 (center channel), measure the carrier frequency. These measurements should be 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.

