

Appendix B

RF power output conducted



FCC part 15.247 Peak output power conducted

EUT Medical device Model Spirolab III

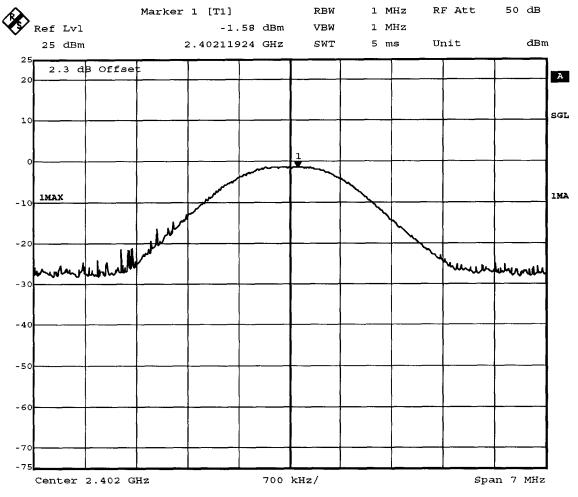
Approval Holder MIR Medical International Research

Temperature / Voltage 25°C

Test Site / Operator
Test Specification
Test Case
Comment 1

ETS Dr. Genz GmbH
FCC part 15 section 247(b)
Peak output_power
Channel.: 0 / 2402 MHz

Comment 2



Date:

28.APR.2006 10:47:34



FCC part 15.247 Peak output power conducted

EUT Medical device Model Spirolab III

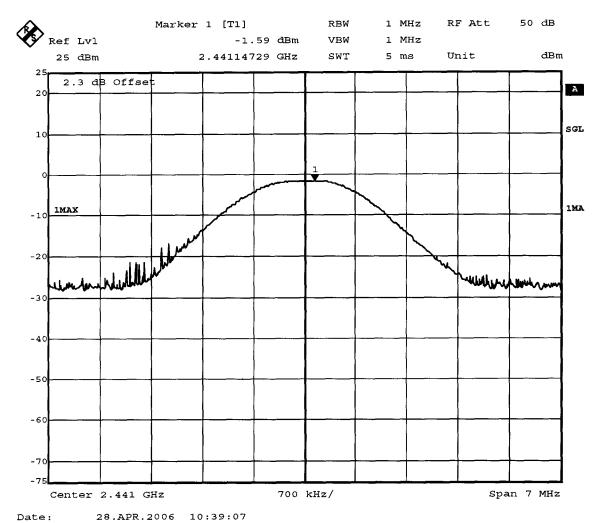
Approval Holder MIR Medical International Research

Temperature / Voltage 25°C

Test Site / Operator
Test Specification
Test Case
Comment 1

ETS Dr. Genz GmbH
FCC part 15 section 247(b)
Peak output_power
Channel.: 39 / 2441 MHz

Comment 2





FCC part 15.247 Peak output power conducted

EUT Medical device Model Spirolab III

Approval Holder MIR Medical International Research

Temperature / Voltage 25°C

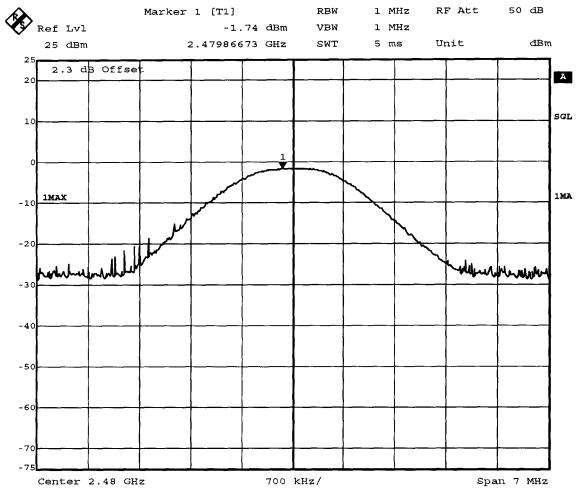
Test Site / Operator
Test Specification
Test Case

ETS Dr. Genz GmbH
FCC part 15 section 247(b)
Peak output_power

Comment 1

ent 1 Channel.: 78 / 2480 MHz

Comment 2



Date:

28.APR.2006 10:53:45



Appendix C

RF power output radiated (EIRP)



Appendix D

20 dB bandwidth



FCC part 15.247 20 dB bandwidth

EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

25°C

Test Site / Operator Test Specification ETS Dr. Genz GmbH FCC part 15 section 247(a)

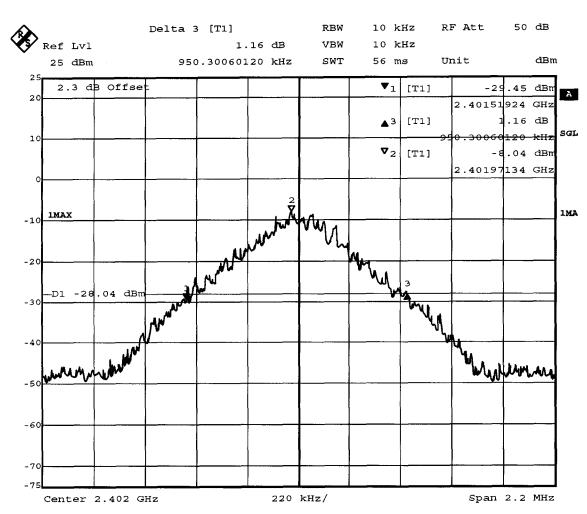
Test Case

20 dB bandwidth

Comment 1

Channel.: 0 / 2402 MHz

Comment 2



Date:

28.APR.2006 10:59:29



FCC part 15.247 20 dB bandwidth

EUT Medical device Model Spirolab III

Approval Holder MIR Medical International Research

Temperature / Voltage 25°C

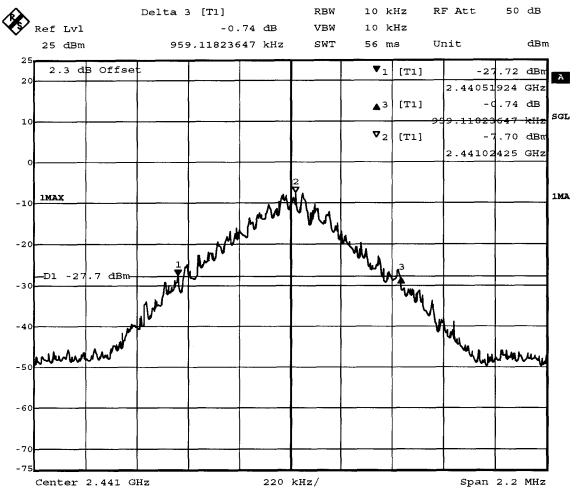
Test Site / Operator
Test Specification

ETS Dr. Genz GmbH
FCC part 15 section 247(a)

Test Case 20 dB bandwidth

Comment 1 Channel.: 39 / 2441 MHz

Comment 2



Date:

28.APR.2006 11:12:56



FCC part 15.247 20 dB bandwidth

EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

25°C

Test Site / Operator

ETS Dr. Genz GmbH

Test Specification

FCC part 15 section 247(a)

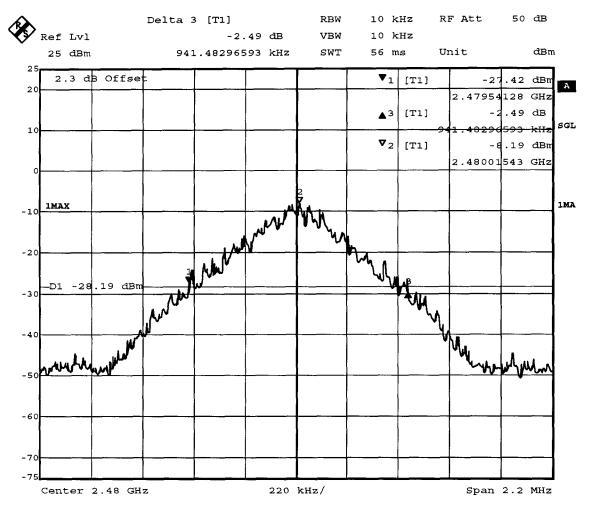
Test Case

20 dB bandwidth

Comment 1

Channel.: 78 / 2480 MHz

Comment 2



Date:

28.APR.2006 11:17:05



Appendix E

Time of occupancy (dwell time)



FCC part 15.247 Time of occupancy inquiry

EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

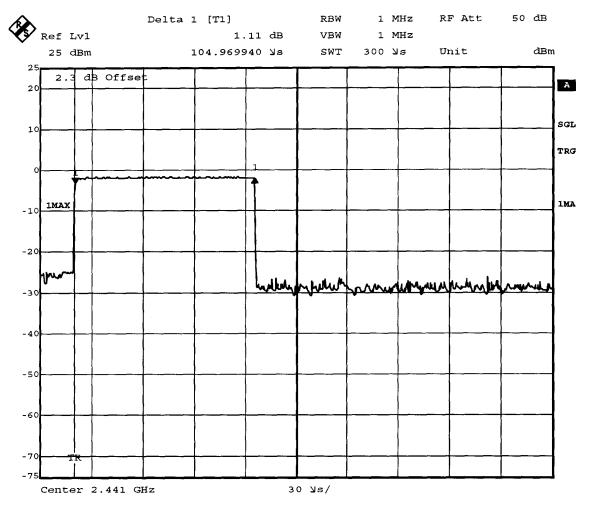
25°C

Test Site / Operator Test Specification ETS Dr. Genz GmbH FCC part 15 section 247(a)

Test Case Comment 1 Time of occupancy inquiry Channel.: 39 / 2441 MHz

Comment 2

930 events* 0.105ms result:97,65 ms



Date:

28.APR.2006 12:57:35



FCC part 15.247

Time of occupancy (dwell time)

EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

ge 25°C

Test Site / Operator Test Specification ETS Dr. Genz GmbH FCC part 15 section 247(a)

Test Speemer Test Case

Time of occupancy

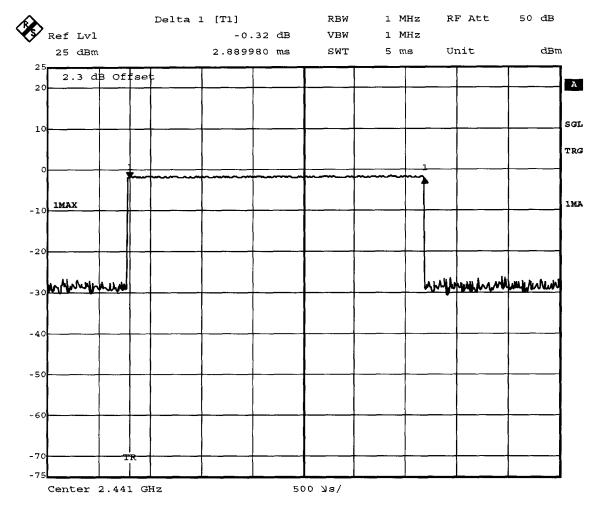
Comment 1

Channel.: 39 / 2441 MHz (Hopping mode)

Comment 2

61 events * 2.889 ms

result: 176.229 ms



Date:

28.APR.2006 12:06:59



FCC part 15.247 Duty cycle

EUT Medical device Model Spirolab III

Approval Holder MIR Medical International Research

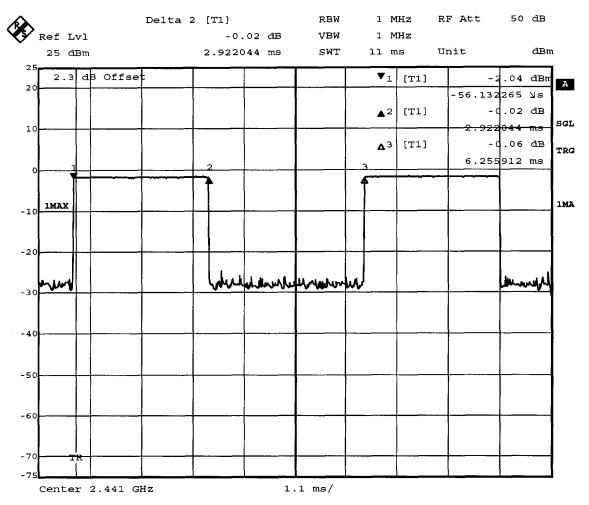
ERUHUR SCHOOLINE A DIIILIKKA SURSA KARARIA IIIRKA KA KARARIA IIIRKA KA LARAKA BUUUHIII KALARIA KARARIA KARARI

Temperature / Voltage 25°C

Test Site / Operator ETS Dr. Genz GmbH
Test Specification FCC part 15 section 247(b)

Test Case Duty cycle

Comment 1 Channel.: 39 / 2441 MHz Comment 2 Duty_cycle 0.48



Date:

28.APR.2006 11:34:19



Appendix F

Number of hopping frequencies



EUT Medical device Model Spirolab III

Approval Holder MIR Medical International Research

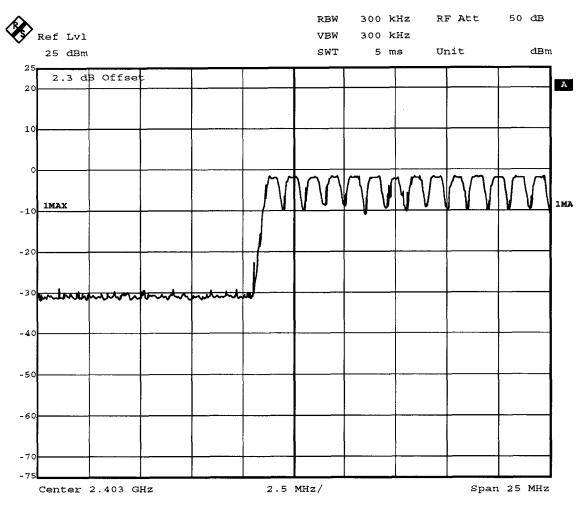
Temperature / Voltage 25°C

Test Site / Operator
Test Specification
Test Case

ETS Dr. Genz GmbH
FCC part 15 section 247(a)
Number of hopping frequencies

Comment 1 Channel.: 0-13

Comment 2



Date: 28.APR.2006 12:45:42



EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

25°C

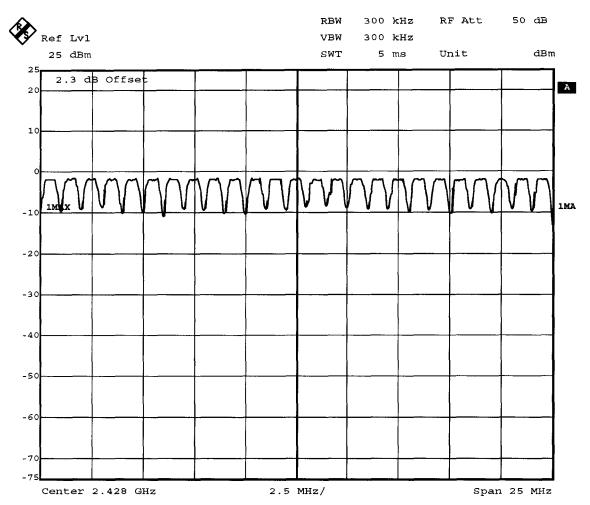
Test Site / Operator Test Specification ETS Dr. Genz GmbH FCC part 15 section 247(a)

Test Case

Number of hopping frequencies Channel.: 14-38

Comment 1

Comment 2



Date:

28.APR.2006 12:48:51



EUT Medical device Model Spirolab III

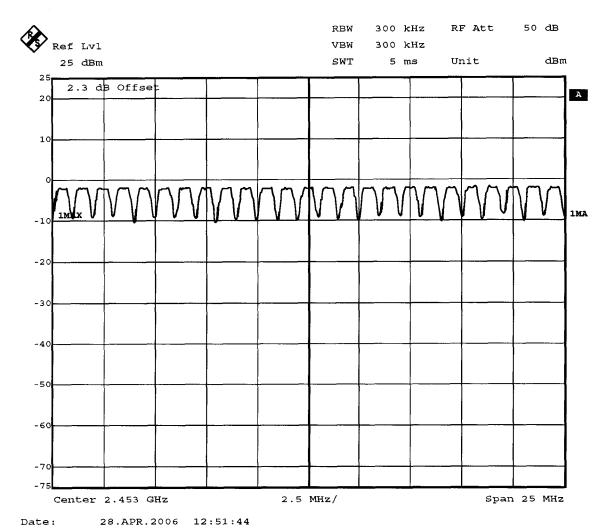
Approval Holder MIR Medical International Research

Temperature / Voltage 25°C

Test Site / Operator ETS Dr. Genz GmbH
Test Specification FCC part 15 section 247(a)
Number of hopping frequencies

Comment 1 Channel::39-63

Comment 2



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FCC part 15.247 Number of hopping frequencies

EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

25°C

Test Site / Operator

 $ETS\ Dr.\ Genz\ GmbH$

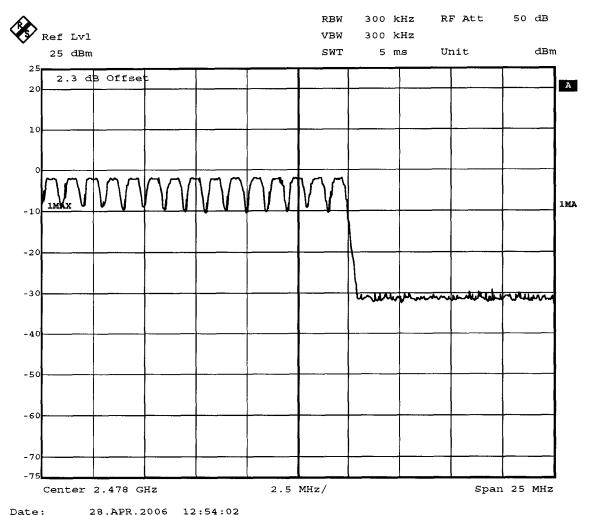
Test Specification Test Case

FCC part 15 section 247(a) Number of hopping frequencies

Comment 1

Channel.: 64-78

Comment 2



28.APR.2006 12:54:02

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FCC part 15.247 Number of hopping frequencies

EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

25°C

Test Site / Operator

ETS Dr. Genz GmbH

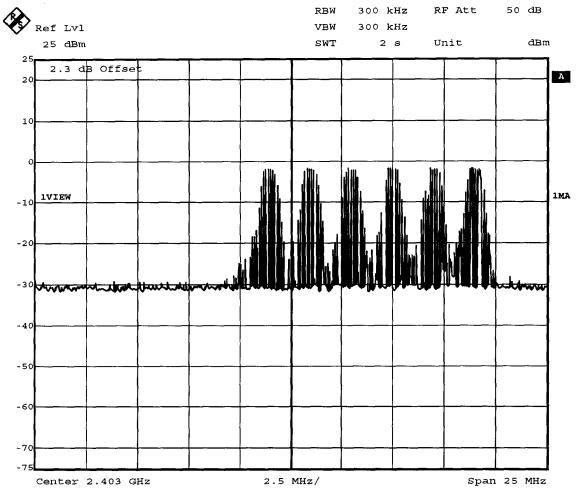
Test Specification Test Case

FCC part 15 section 247(a) Number of hopping frequencies (1-6)

Comment 1

master inquiry mode

Comment 2



Date:

28.APR.2006 15:37:18



EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

25°C

Test Site / Operator Test Specification ETS Dr. Genz GmbH FCC part 15 section 247(a)

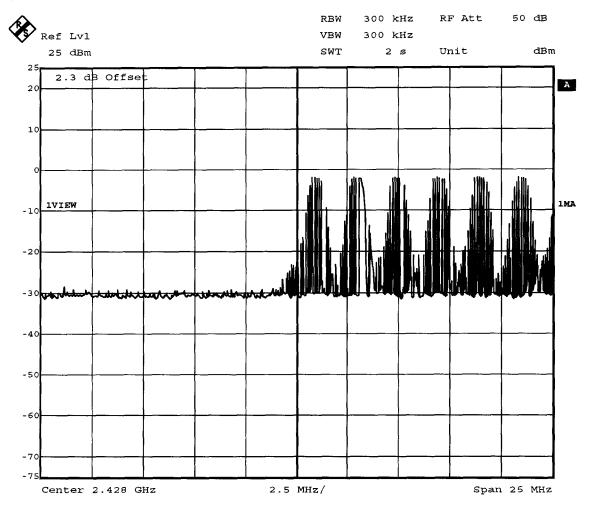
Test Case

Number of hopping frequencies (7-12)

Comment 1

master inquiry mode

Comment 2



Date:

28.APR.2006 15:39:11



FCC part 15.247 Number of hopping frequencies

EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

25°C

Test Site / Operator Test Specification ETS Dr. Genz GmbH FCC part 15 section 247(a)

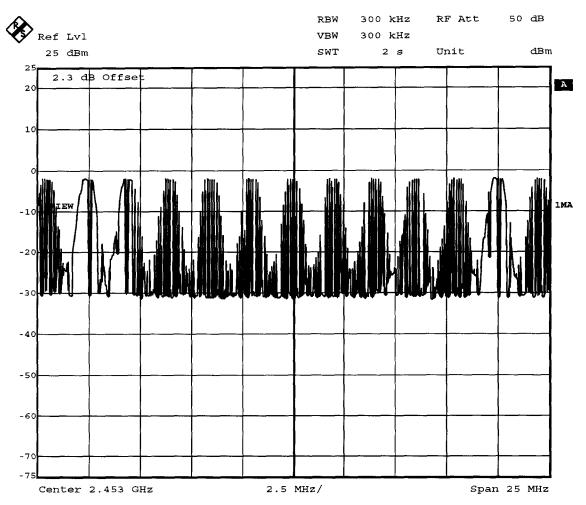
Test Speemea

Number of hopping frequencies (13-25)

Comment 1

master inquiry mode

Comment 2



Date:

28.APR.2006 15:42:02



EUT Medical device Model Spirolab III

Approval Holder MIR Medical International Research

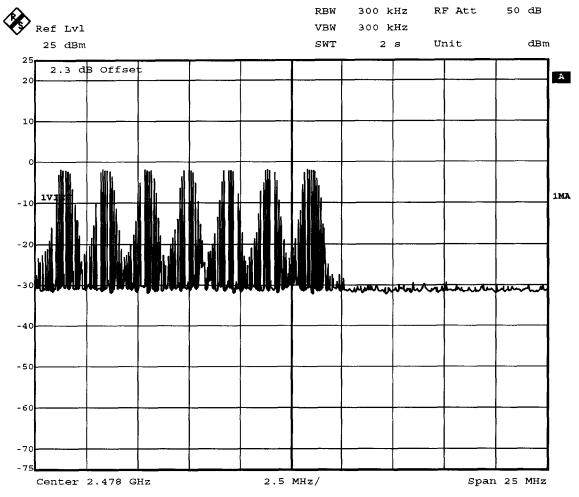
Temperature / Voltage 25°C

Test Site / Operator ETS Dr. Genz GmbH
Test Specification FCC part 15 section 247(a)

Test Case Number of hopping frequencies (26-32)

Comment 1 master inquiry mode

Comment 2



Date:

28.APR.2006 15:44:18



Appendix G

Carrier frequency separation



FCC part 15.247 Carrier frequency separation

EUT

Medical device

Model

Spirolab III

Approval Holder

MIR Medical International Research

Temperature / Voltage

25°C

Test Site / Operator Test Specification

ETS Dr. Genz GmbH FCC part 15 section 247(b)

Test Case

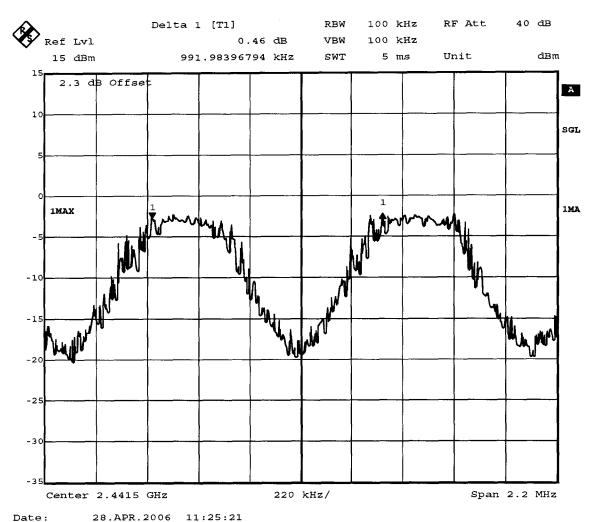
Carrier frequency separation

Comment 1

Channel.: 39/40 / 2441/2442 MHz

Comment 2

Hopping mode



28.APR.2006 11:25:21



Appendix H

Spurious emission conducted



Appendix I

Spurious emission radiated

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

EUT / Ch.: Medical device / 2402

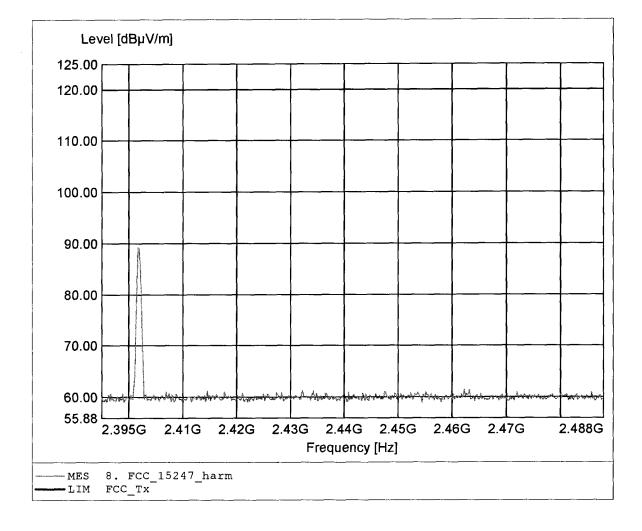
Spirolab III Model:

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247

Dist.: 3m, Ant.: BBHA9120D Comment 1:

Freq: 2.402GHz, Emax: 89.34dBuV/m, RBW: 100kHz Comment 2:



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

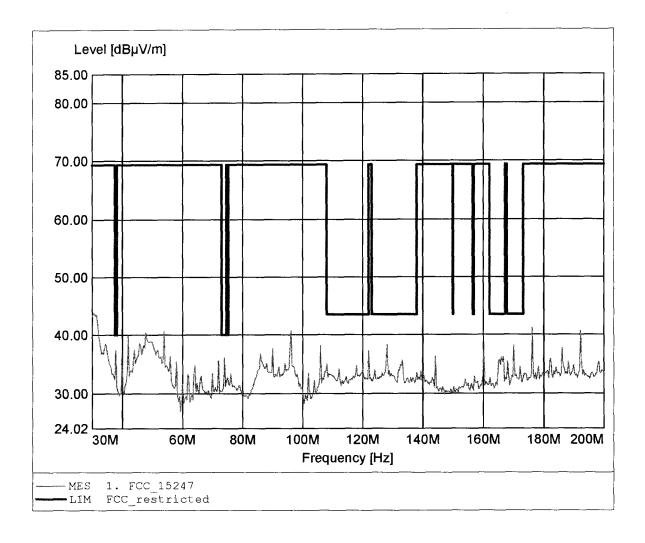
Ch.: EUT / Medical device / 2402

Model: Spirolab III

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247 Dist.: 3m, Ant.: HK 116 Comment 1:

Dist.: 3m, Ant.: на 110 Freq: 30.341MHz, Emax: 43.78dBpV/m, RBW: 100kHz Comment 2:



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

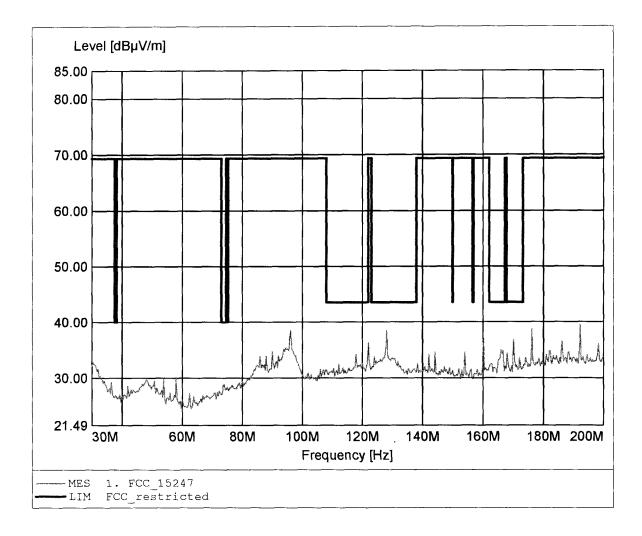
EUT / Ch.: Medical device / 2402

Spirolab III Model:

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247 Dist.: 3m, Ant.: HK 116 Comment 1:

Freq: 192.164MHz, Emax: 39.41dBμV/m, RBW: 100kHz Comment 2:



FCC RULES PART 15, SUBPART C

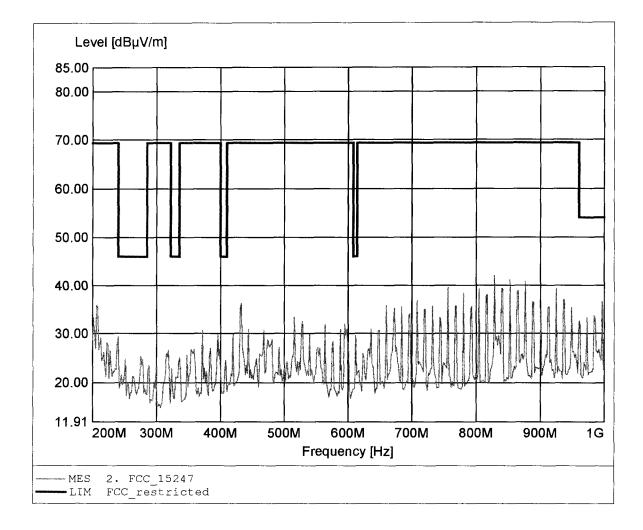
MIR Medical International Research Approval Holder:

Medical device / 2402 EUT /

Spirolab III Model:

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Condition:
Test Specification:
Comment 1:
Comment 2:
Dist.: 3m, Ant.: HL 223, amplif.
Freq: 828.457MHz, Emax: 42.09dBµV/m, RBW: 100kHz



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

Medical device / 2402 EUT / Ch.:

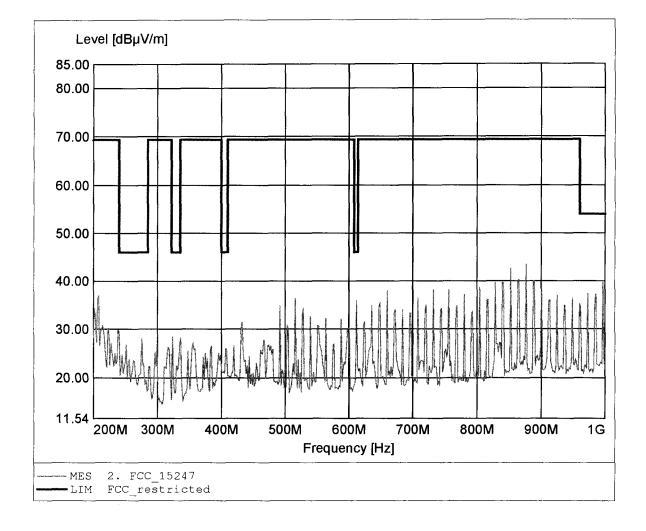
Model: Spirolab III

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247

Dist.: 3m, Ant.: HL 223, amplif. Comment 1:

Dist.: 3m, Ant.: ΗΔ 223, απρ111.
Freq: 876.553MHz, Emax: 43.50dBμV/m, RBW: 100kHz Comment 2:



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

EUT / Ch.: Medical device / 2402

Spirolab III Model:

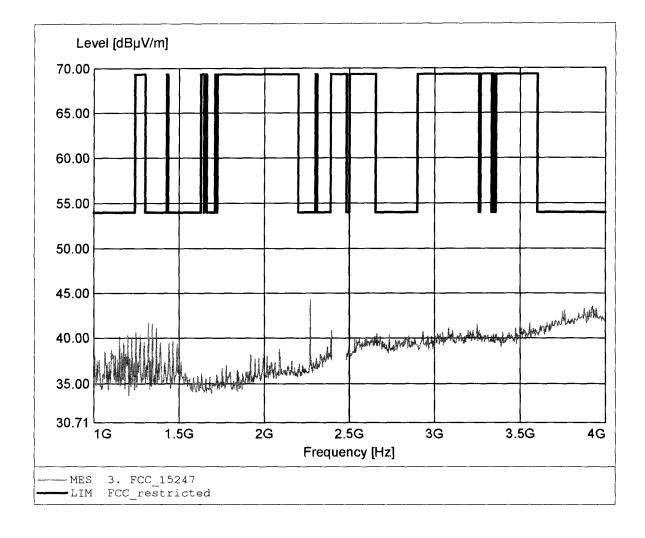
Test Site / Operator: ETS / Mr. Treffke

Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.

Comment 2: Freq: 2.271GHz, Emax: 44.27dBµV/m, RBW: 1MHz



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

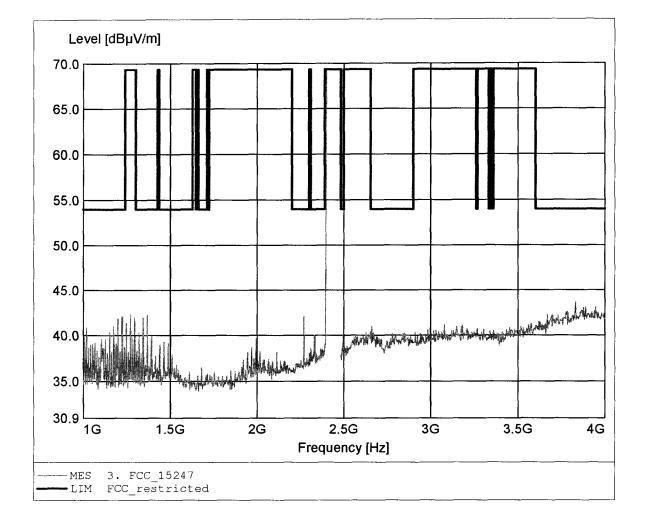
Ch.: Medical device / 2402 EUT /

Spirolab III Model:

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to \$15.247, peak detector

Test Specification: Comment 1:

Dist.: 3m, Ant.: BBHA9120D, amplif. Freq: 2.400GHz, Emax: 69.26dBpV/m, RBW: 1MHz Comment 2:



FCC RULES PART 15, SUBPART C

Approval Holder:

MIR Medical International Research

EUT / Ch.: Medical device / 2402

Model:

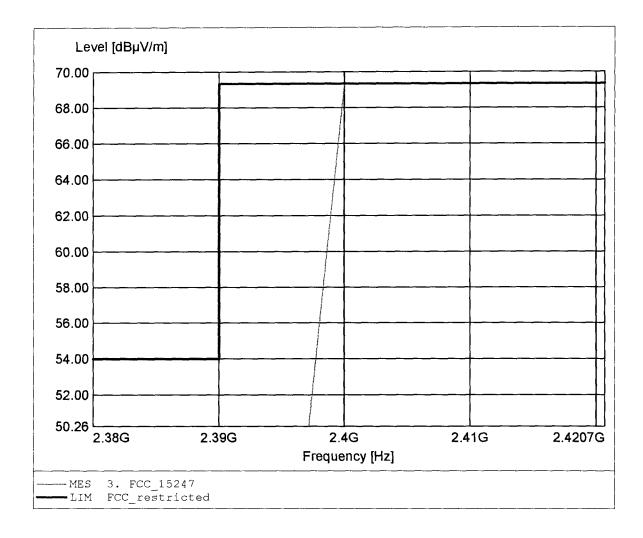
Spirolab III

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to \$15.247, peak detector

Comment 1:

Comment 2:

Dist.: 3m, Ant.: BBHA9120D, amplif. Freq: 2.400GHz, Emax: 69.26dBµV/m, RBW: 1MHz



FCC RULES PART 15, SUBPART C

Approval Holder:

MIR Medical International Research

Medical device / 2402 EUT / Ch.:

Model:

Spirolab III

Test Site / Operator: ETS / Mr. Treffke

Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247, peak detector

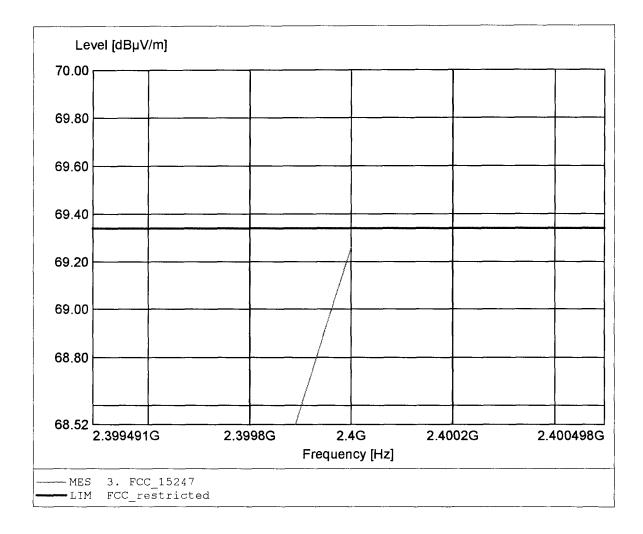
Comment 1: Dist.: 3m. Ant.: BBHA9120D. amplif.

Comment 1:

Dist.: 3m, Ant.: BBHA9120D, amplif.

Comment 2:

Dist.: 3m, Ant.: BBHA9120D, ample.
Freq: 2.400GHz, Emax: 69.26dBµV/m, RBW: 1MHz



FCC RULES PART 15, SUBPART C

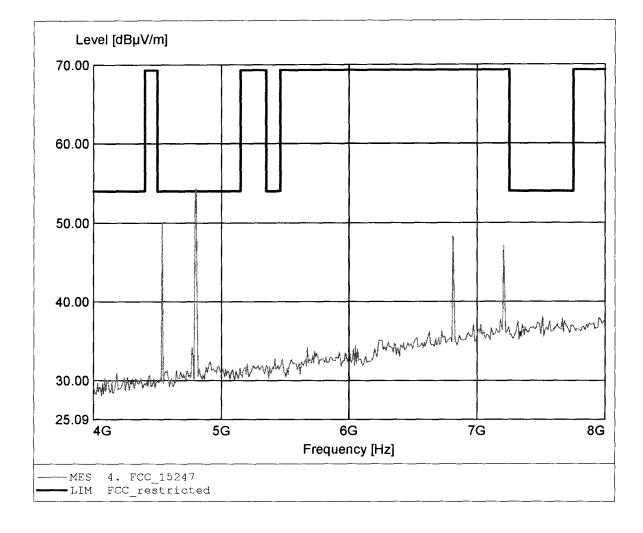
MIR Medical International Research Approval Holder:

EUT / Ch.: Medical device / 2402

Spirolab III Model:

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to \$15.247, peak detector Test Specification: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Comment 1:

Freq: 4.802GHz, Emax: 54.32dBµV/m, RBW: 1MHz Comment 2:



FCC RULES PART 15, SUBPART C

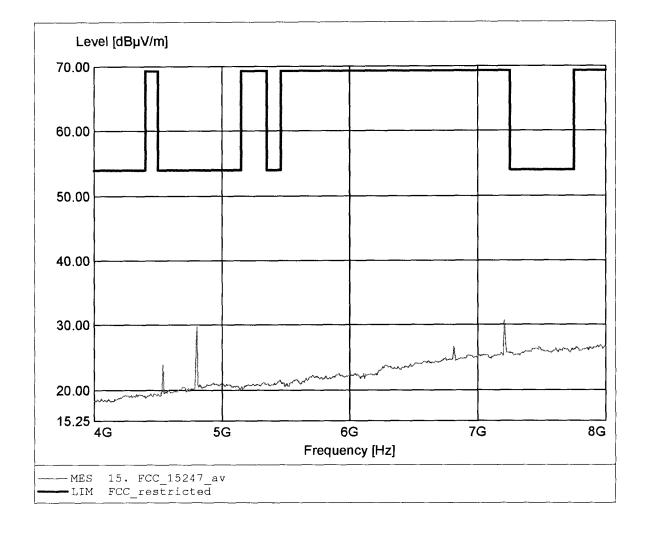
MIR Medical International Research Approval Holder:

EUT / Ch.: Medical device / 2402

Spirolab III Model:

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to \$15.247, average detector Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Comment 1:

Freq: 7.206GHz, Emax: 30.64dBuV/m, RBW: 1MHz Comment 2:



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

EUT / Ch.: Medical device / 2402

Spirolab III Model:

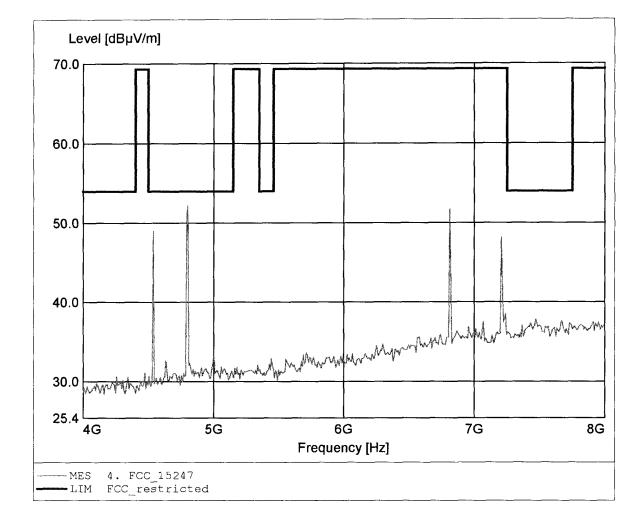
Test Site / Operator: ETS / Mr. Treffke

Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 4.802GHz, Emax: 52.23dBµV/m, RBW: 1MHz



FCC RULES PART 15, SUBPART C

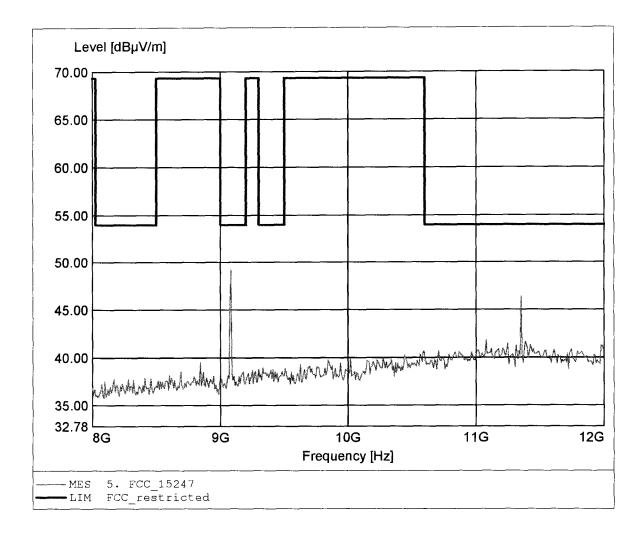
MIR Medical International Research Approval Holder:

Medical device / 2402 EUT / Ch.:

Spirolab III Model:

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to \$15.247, peak detector Test Specification:

Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Comment 1: Freq: 9.082GHz, Emax: 49.24dBµV/m, RBW: 1MHz Comment 2:



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

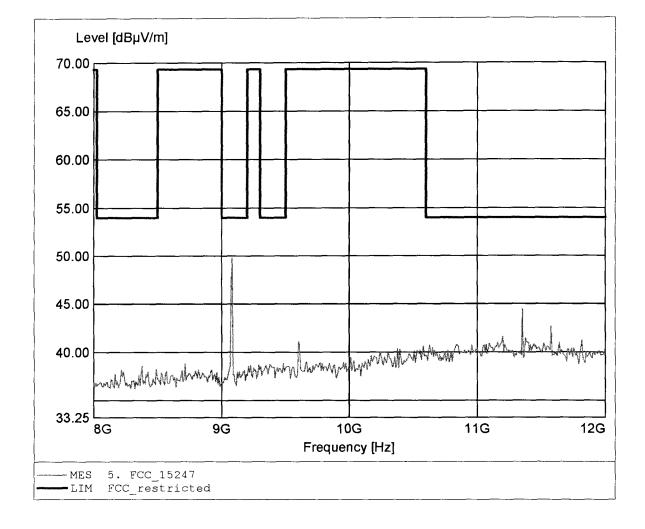
EUT / Ch.: Medical device / 2402

Model: Spirolab III

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to \$15.247, peak detector

Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Freq: 9.082GHz, Emax: 49.83dBpV/m, RBW: 1MHz Comment 1:

Comment 2:



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

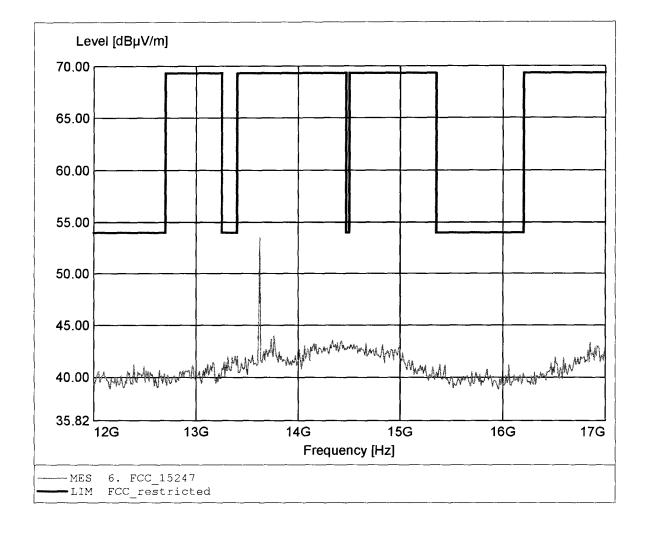
EUT / Ch.: Medical device / 2402

Spirolab III Model:

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to \$15.247, peak detector Test Specification:

Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Comment 1:

Freq: 13.623GHz, Emax: 53.53dBuV/m, RBW: 1MHz Comment 2:



FCC RULES PART 15, SUBPART C

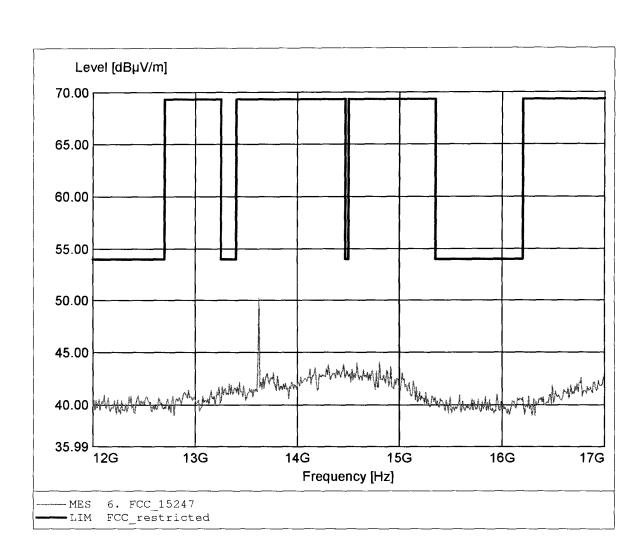
MIR Medical International Research Approval Holder:

EUT / Model: Ch.: Medical device / 2402

Spirolab III

Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to \$15.247, peak detector Test Specification: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Comment 1:

Freq: 13.623GHz, Emax: 50.25dBμV/m, RBW: 1MHz Comment 2:



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

EUT / Ch.: Medical device / 2402

Model: Spirolab III

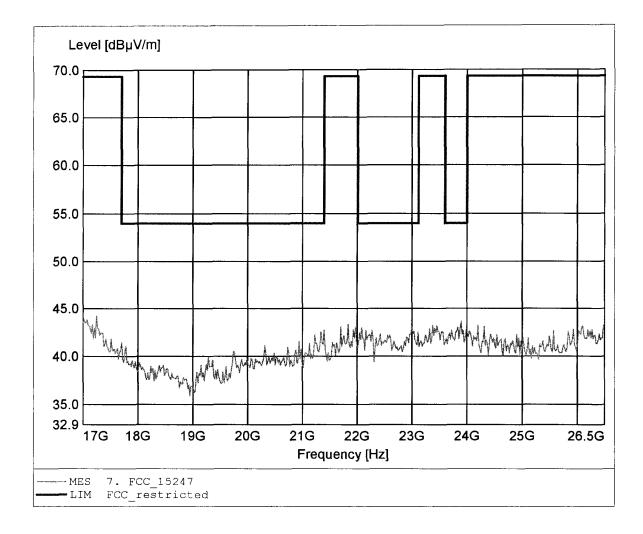
Test Site / Operator: ETS / Mr. Treffke

Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: HL025, amplif.

Comment 2: Freq: 17.247GHz, Emax: 44.24dBµV/m, RBW: 1MHz



FCC RULES PART 15, SUBPART C

MIR Medical International Research Approval Holder:

Medical device / 2402 EUT / Ch.:

Model: Spirolab III

Test Site / Operator: ETS / Mr. Treffke

Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: HL025, amplif.

Comment 2: Freq: 17.019GHz, Emax: 45.80dBµV/m, RBW: 1MHz

