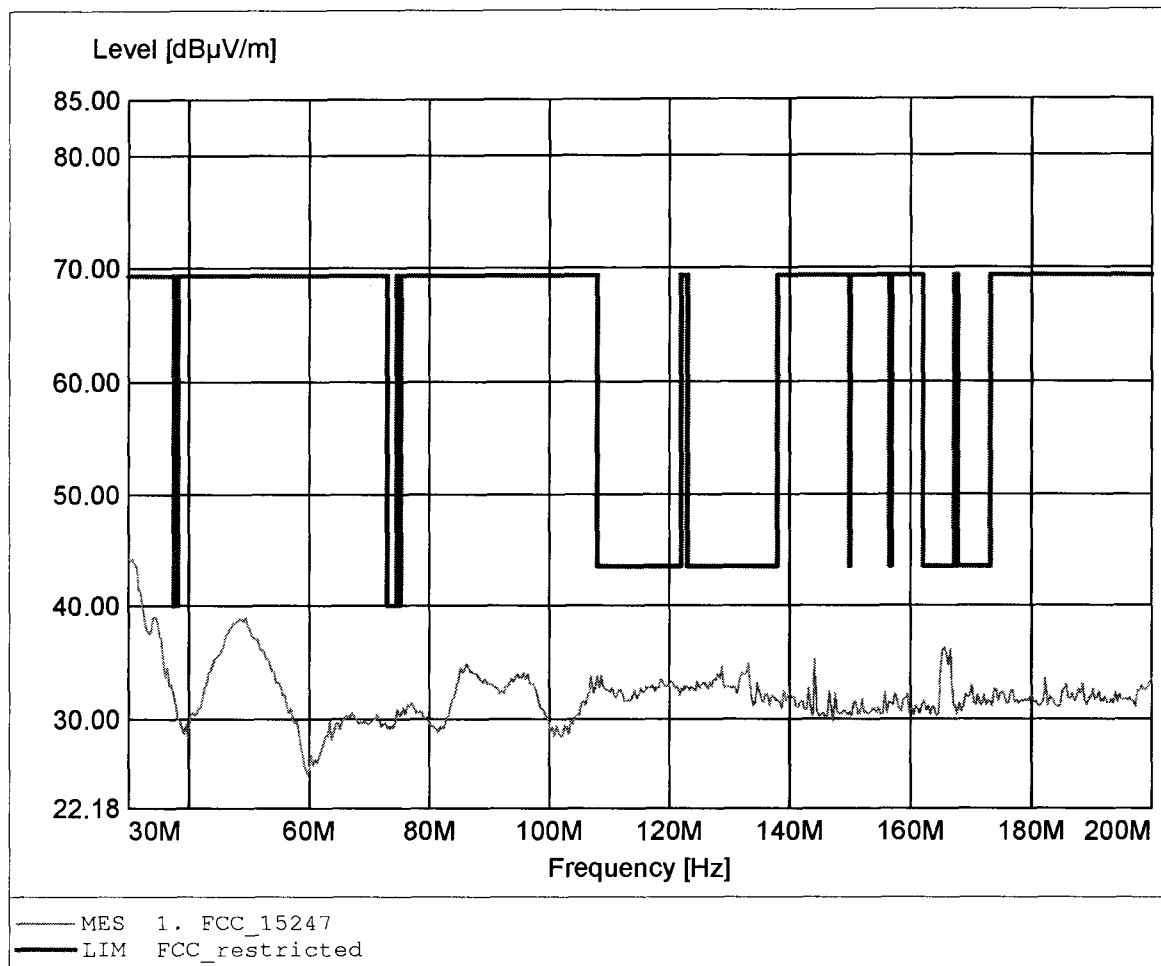


Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

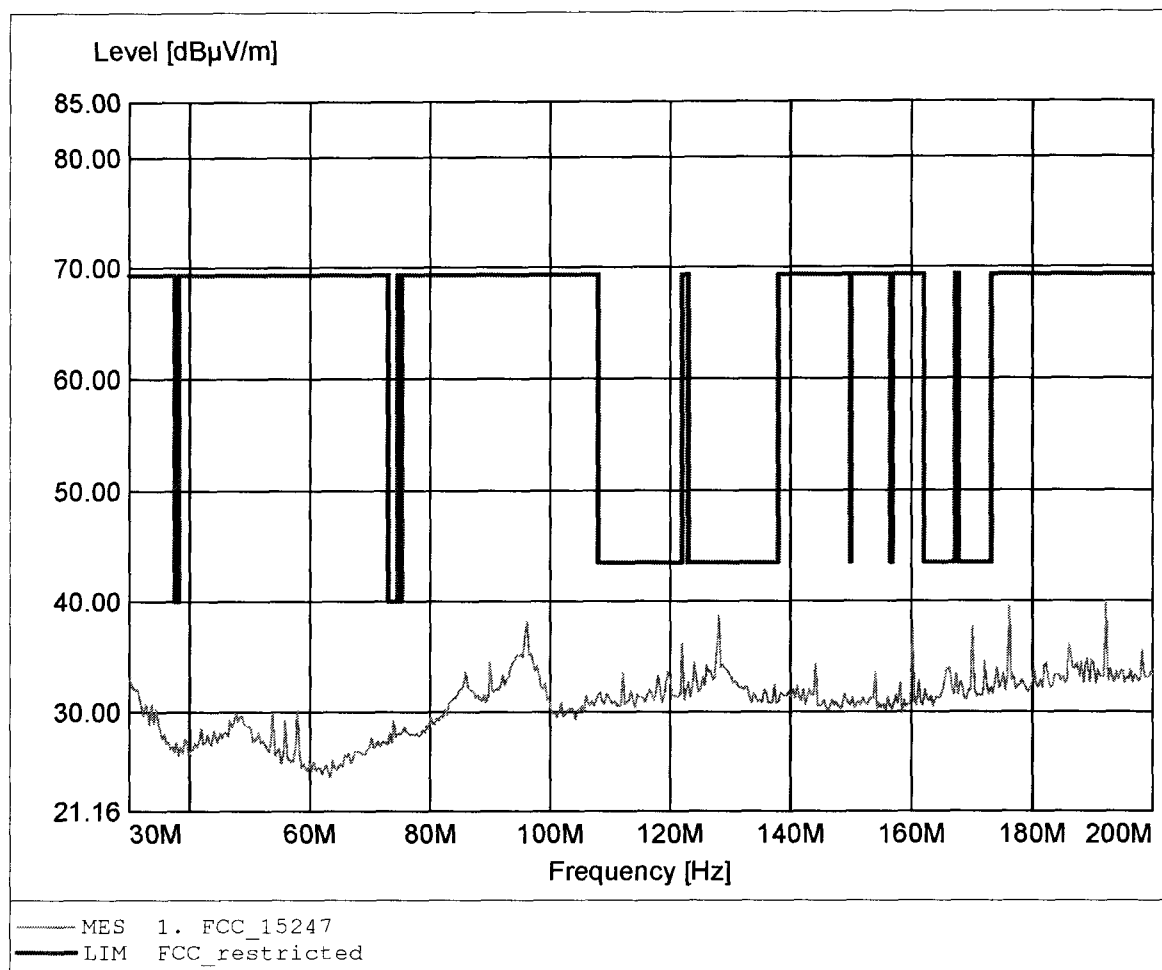
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 30.000MHz, Emax: 44.24dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

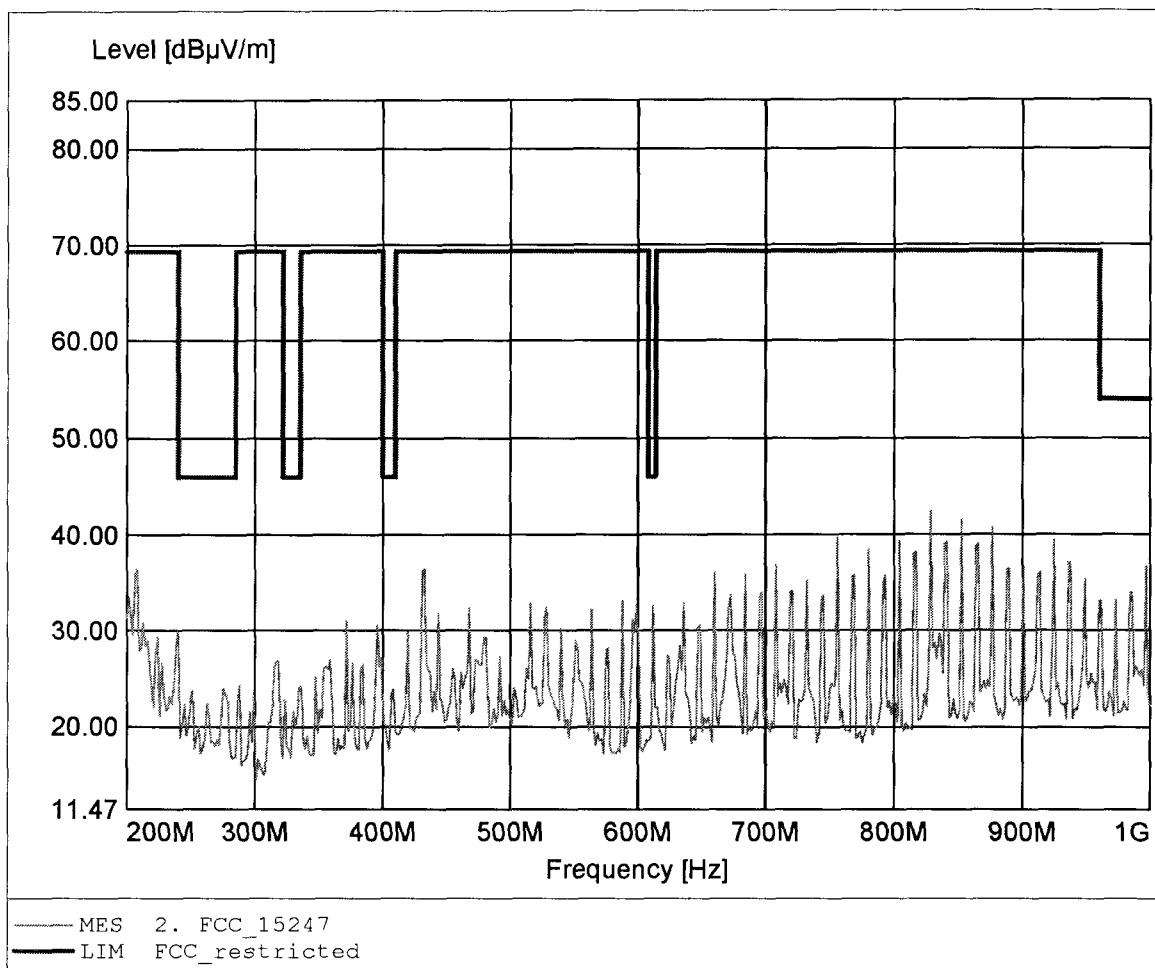
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.164MHz, Emax: 39.72dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

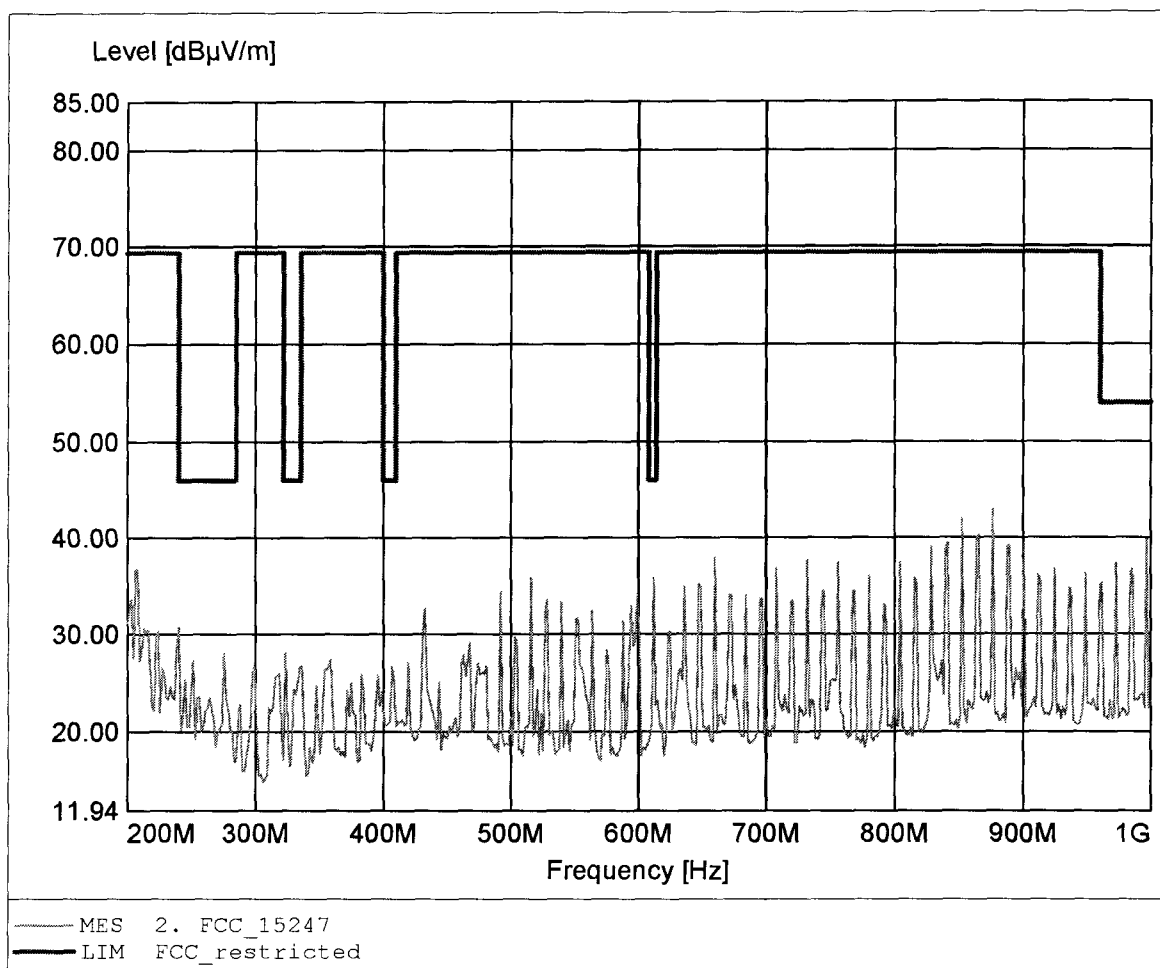
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 828.457MHz, Emax: 42.39dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

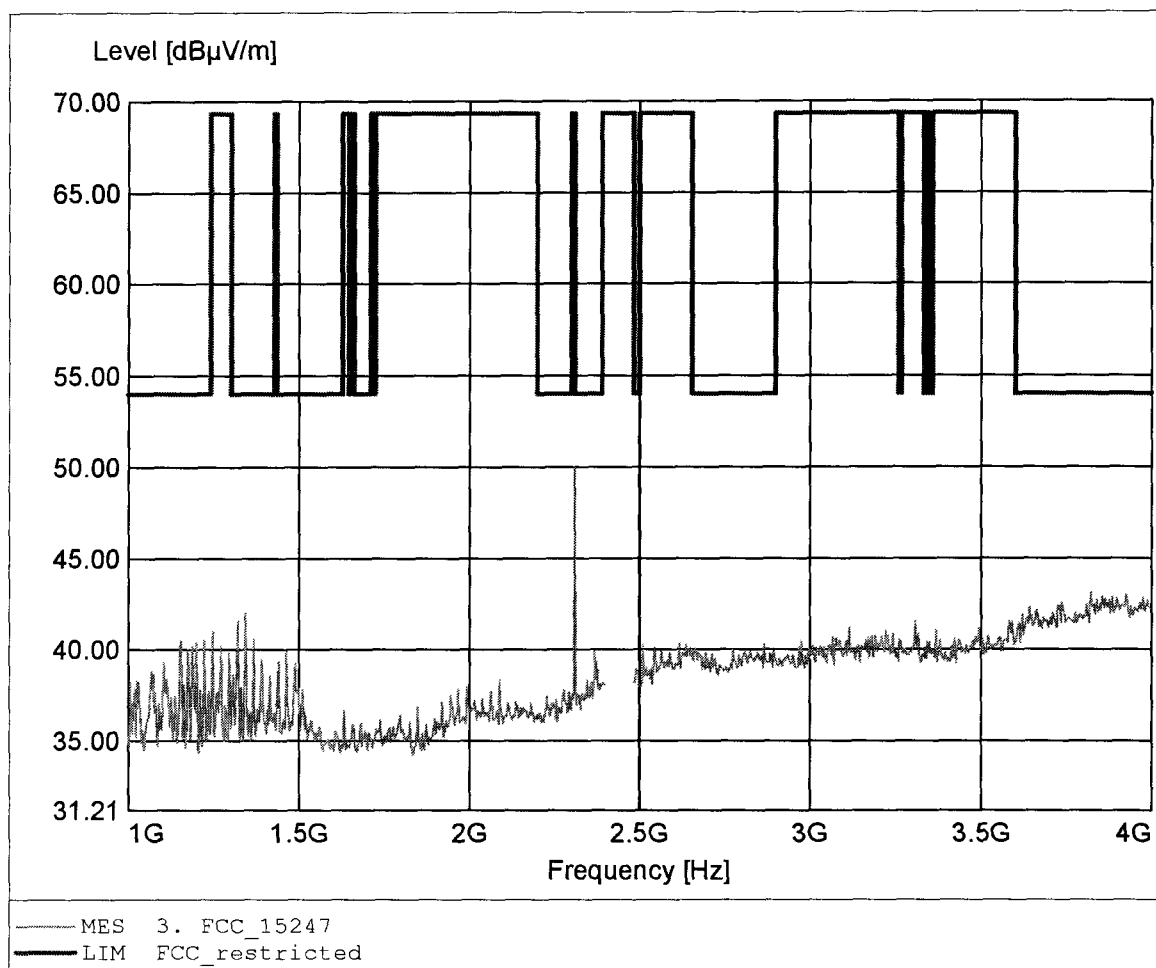
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 876.553MHz, Emax: 42.95dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

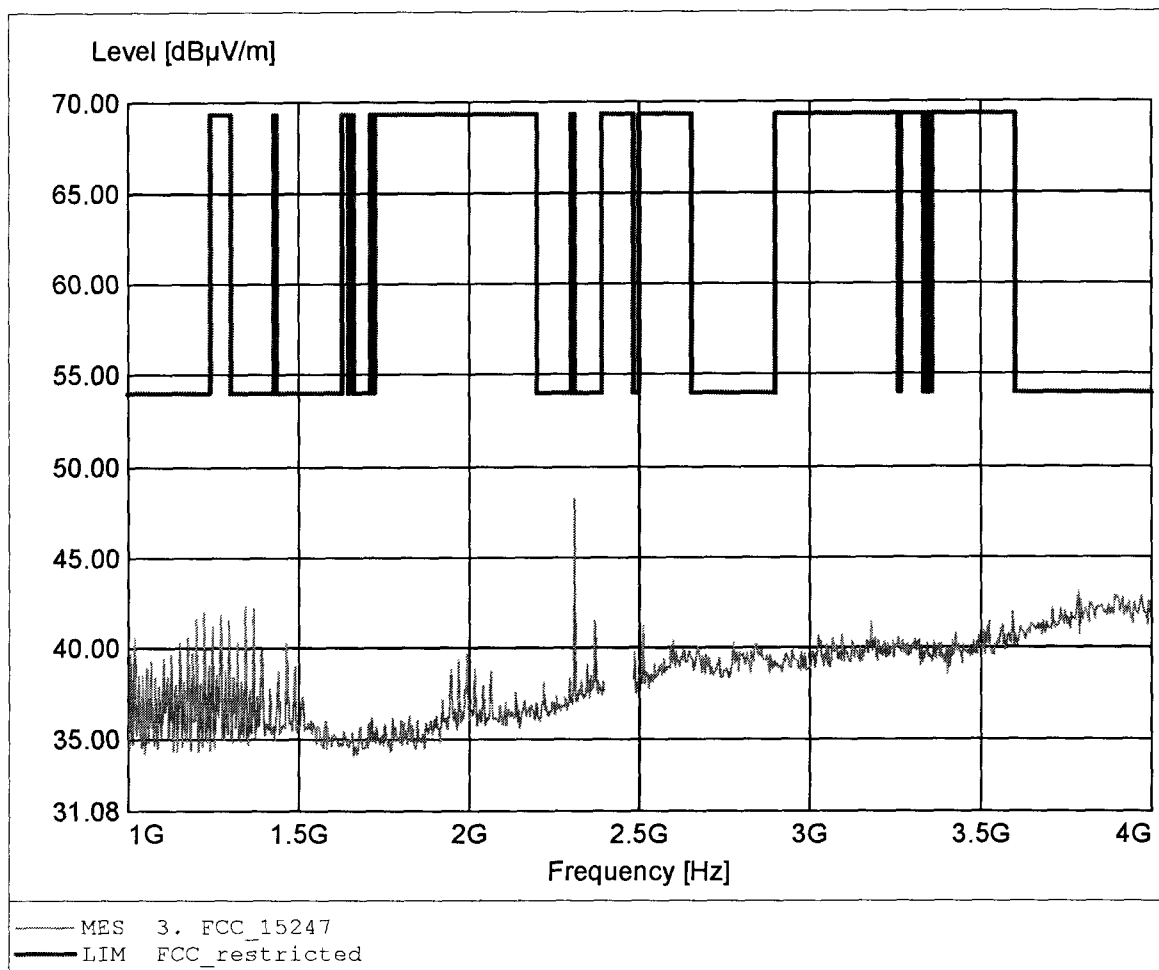
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.310GHz, Emax: 50.10dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

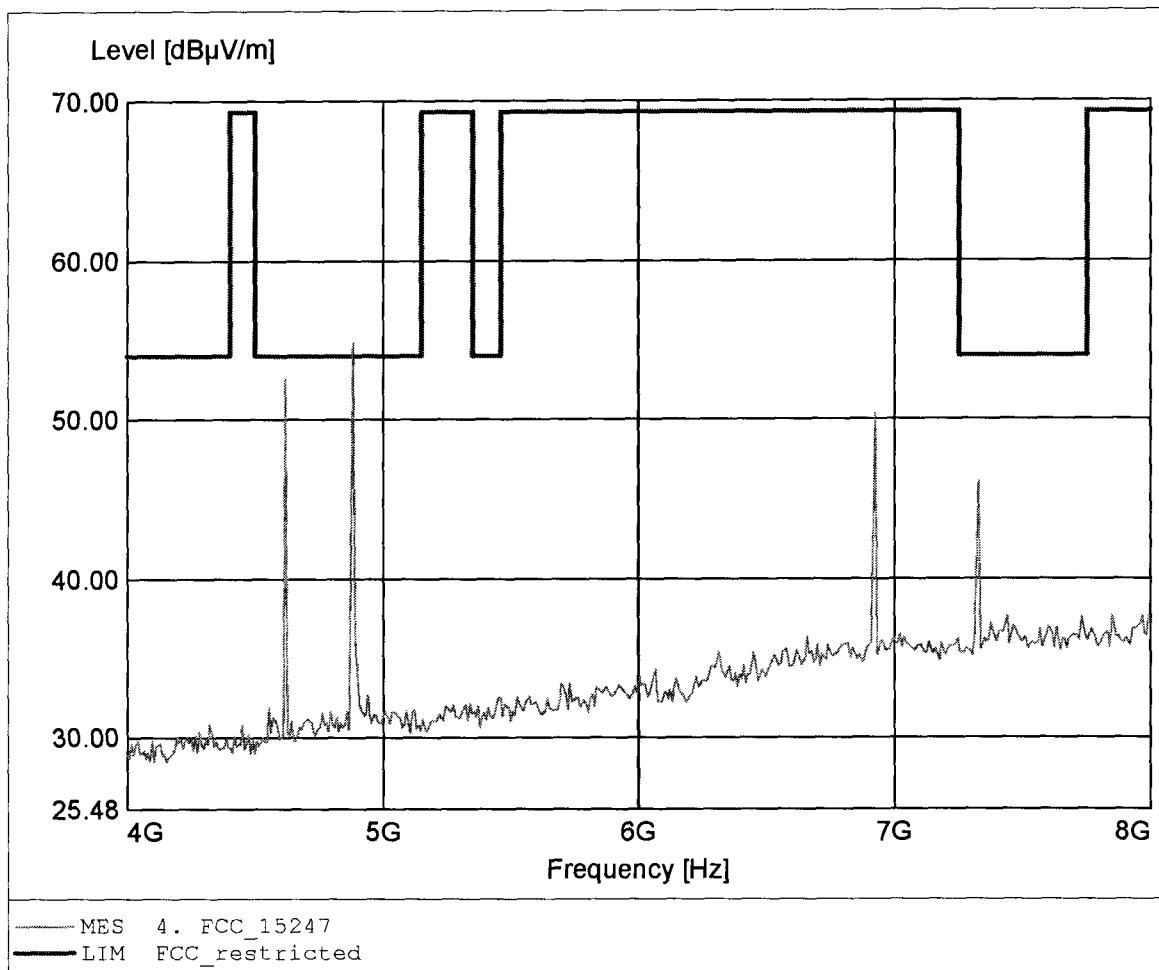
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.310GHz, Emax: 48.26dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

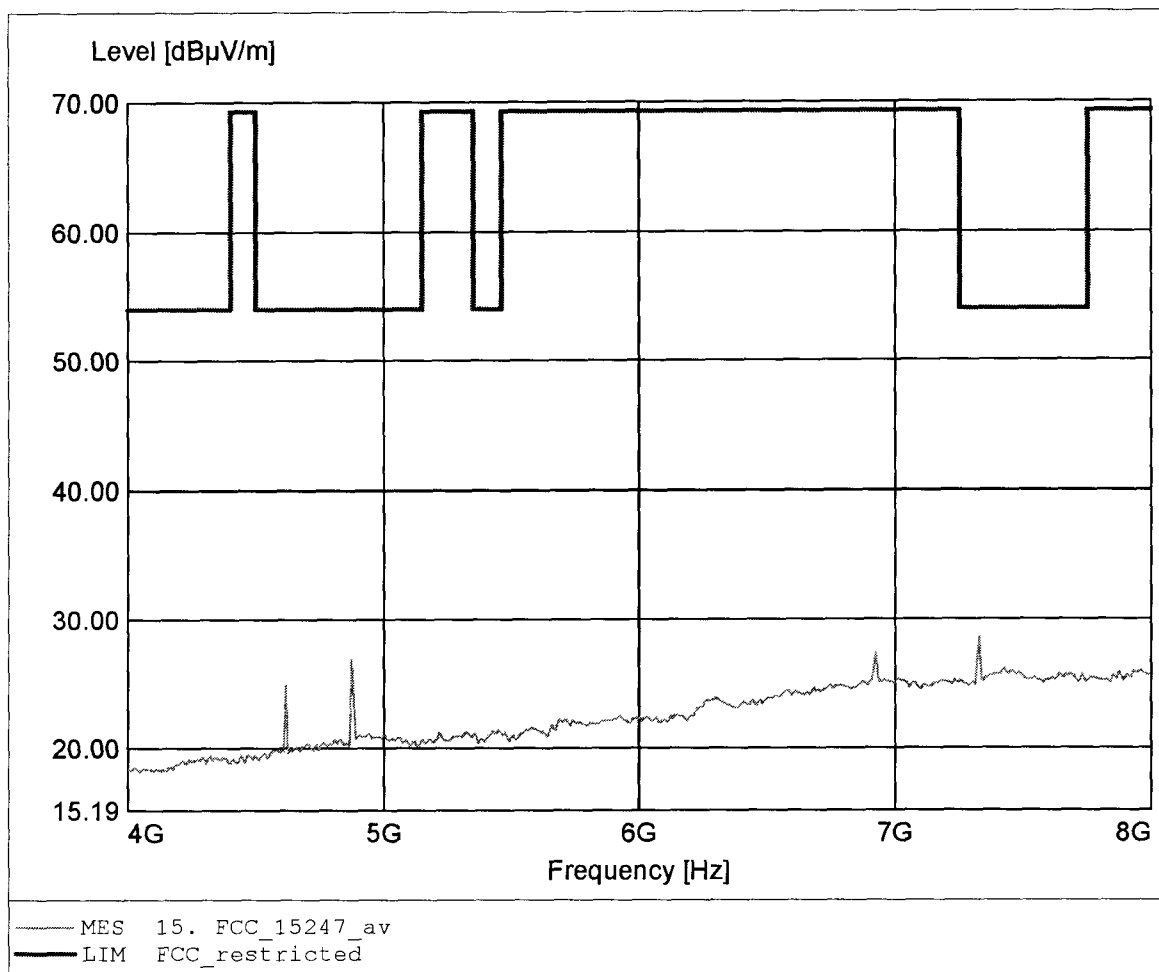
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 54.84dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

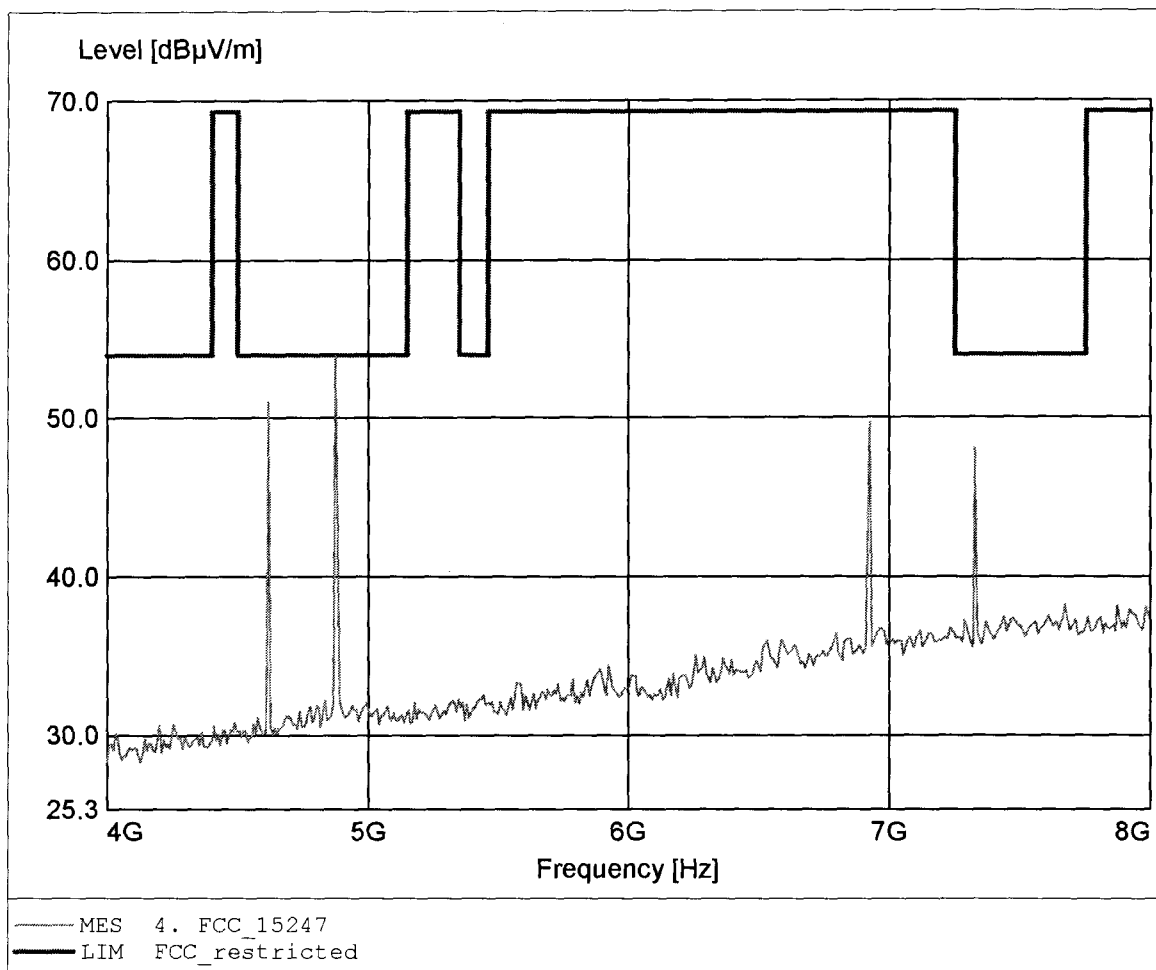
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.327GHz, Emax: 28.61dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

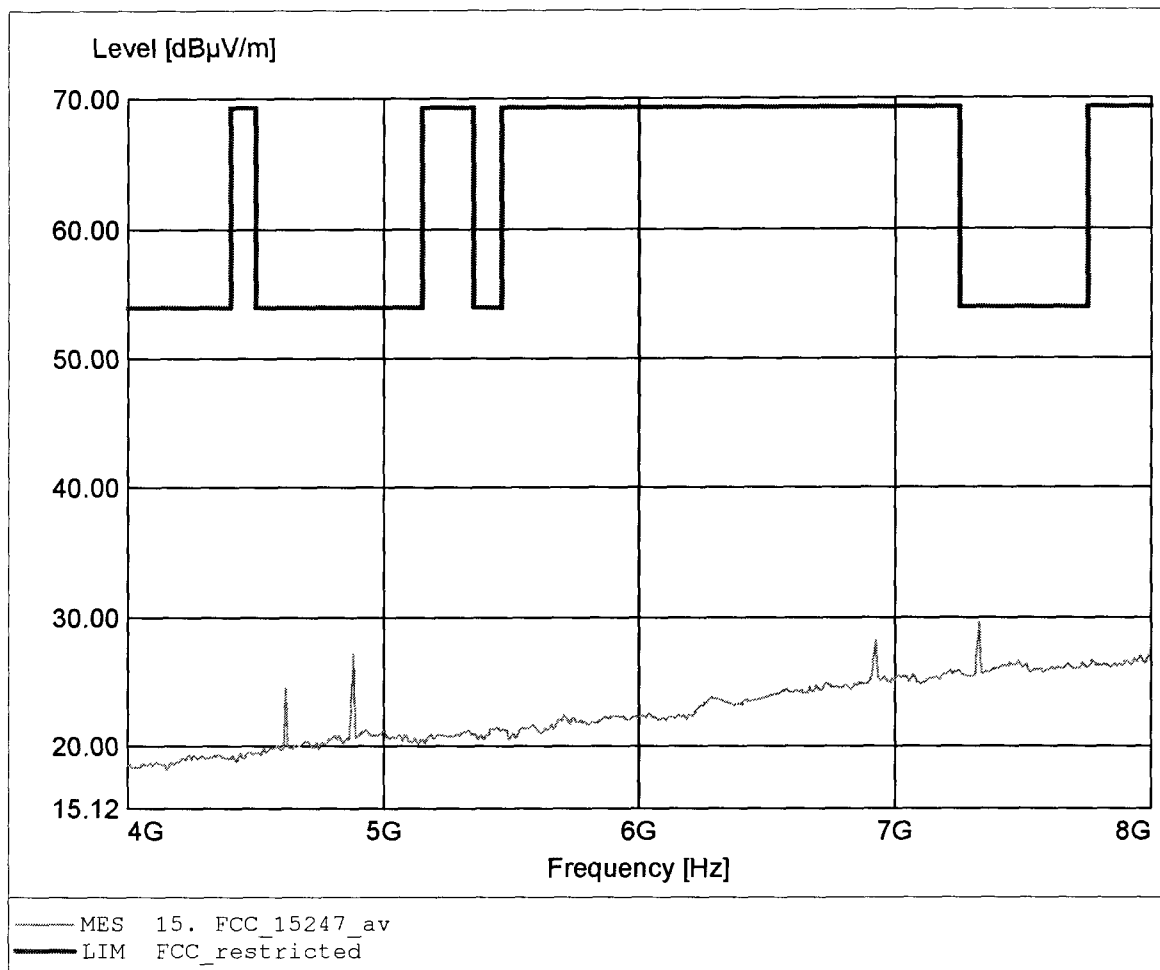
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.874GHz, Emax: 54.03dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

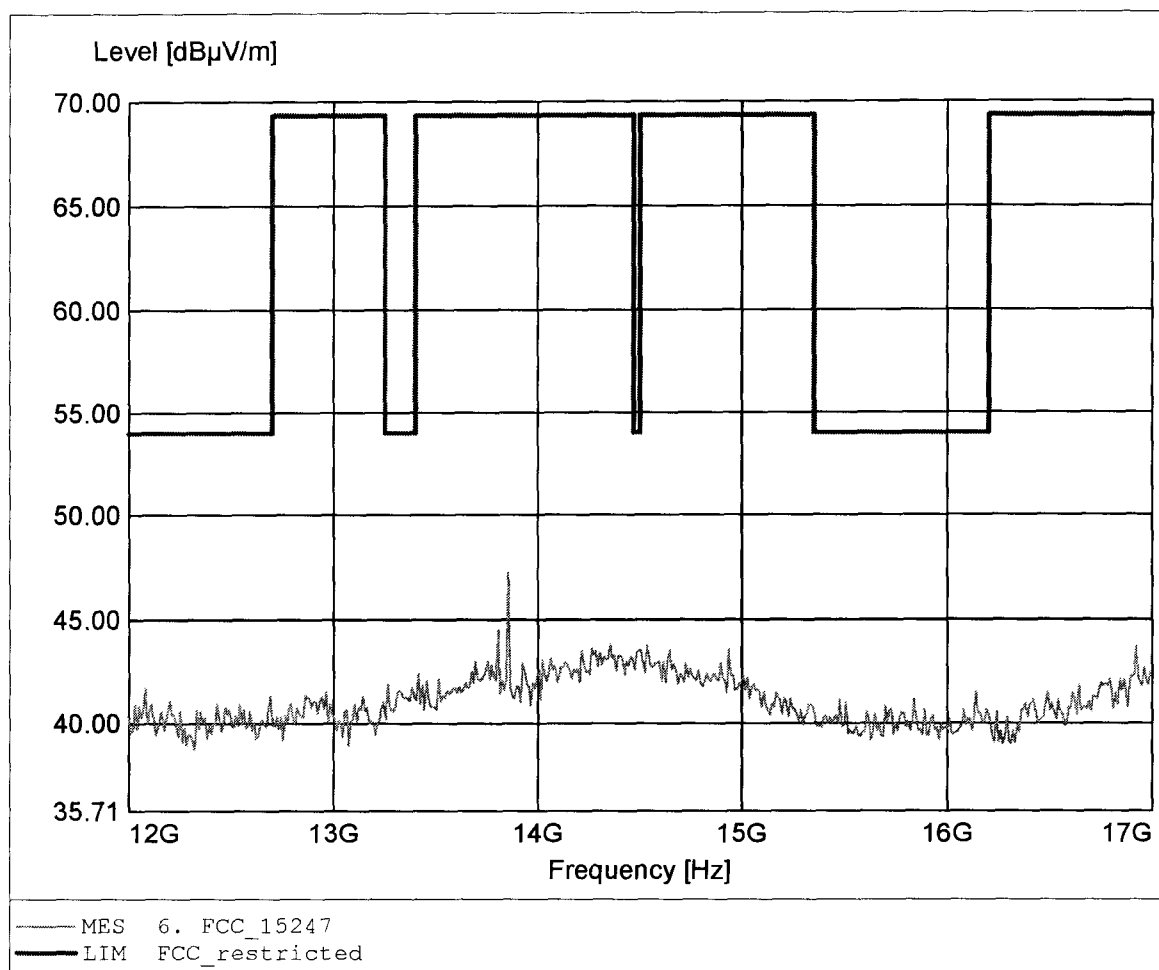
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.327GHz, Emax: 29.62dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

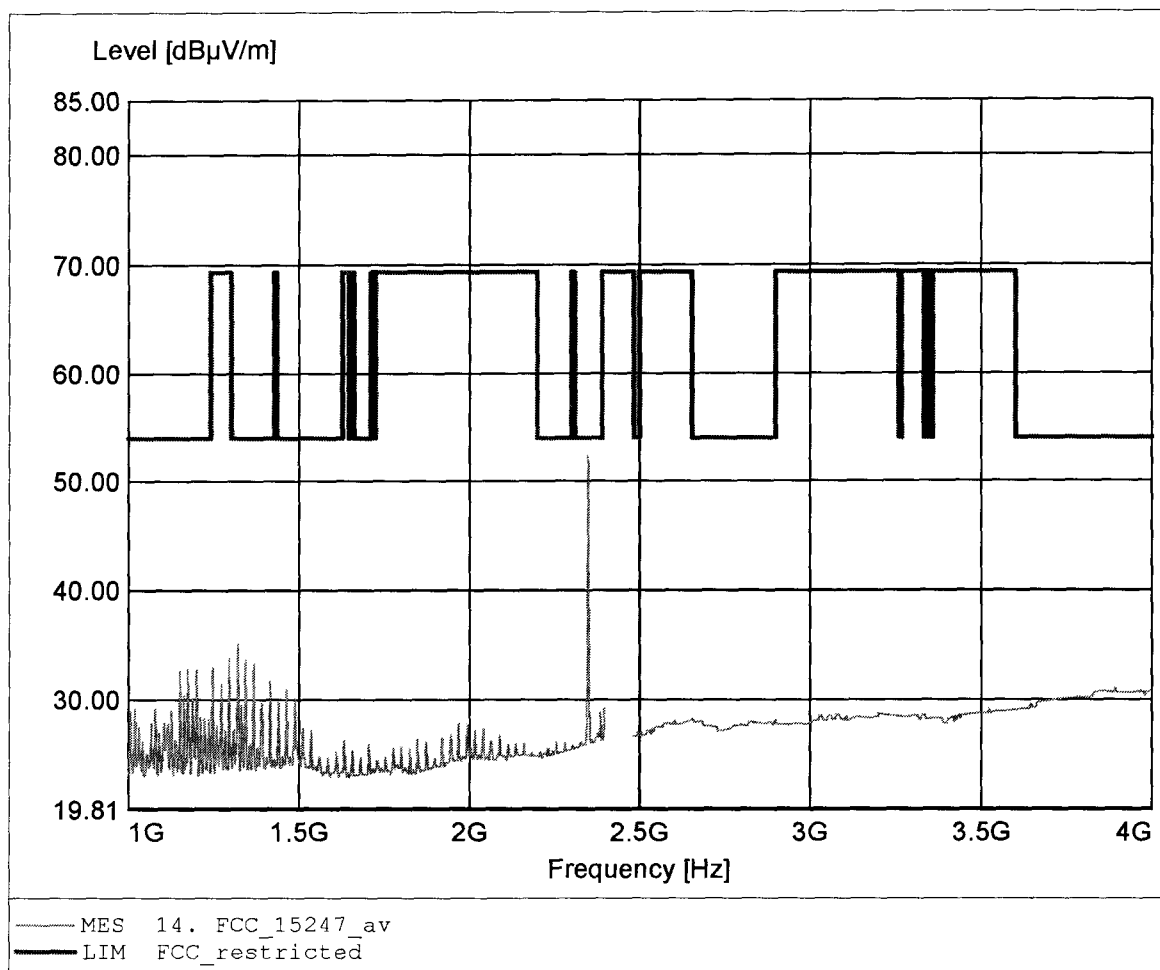
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.854GHz, Emax: 47.23dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

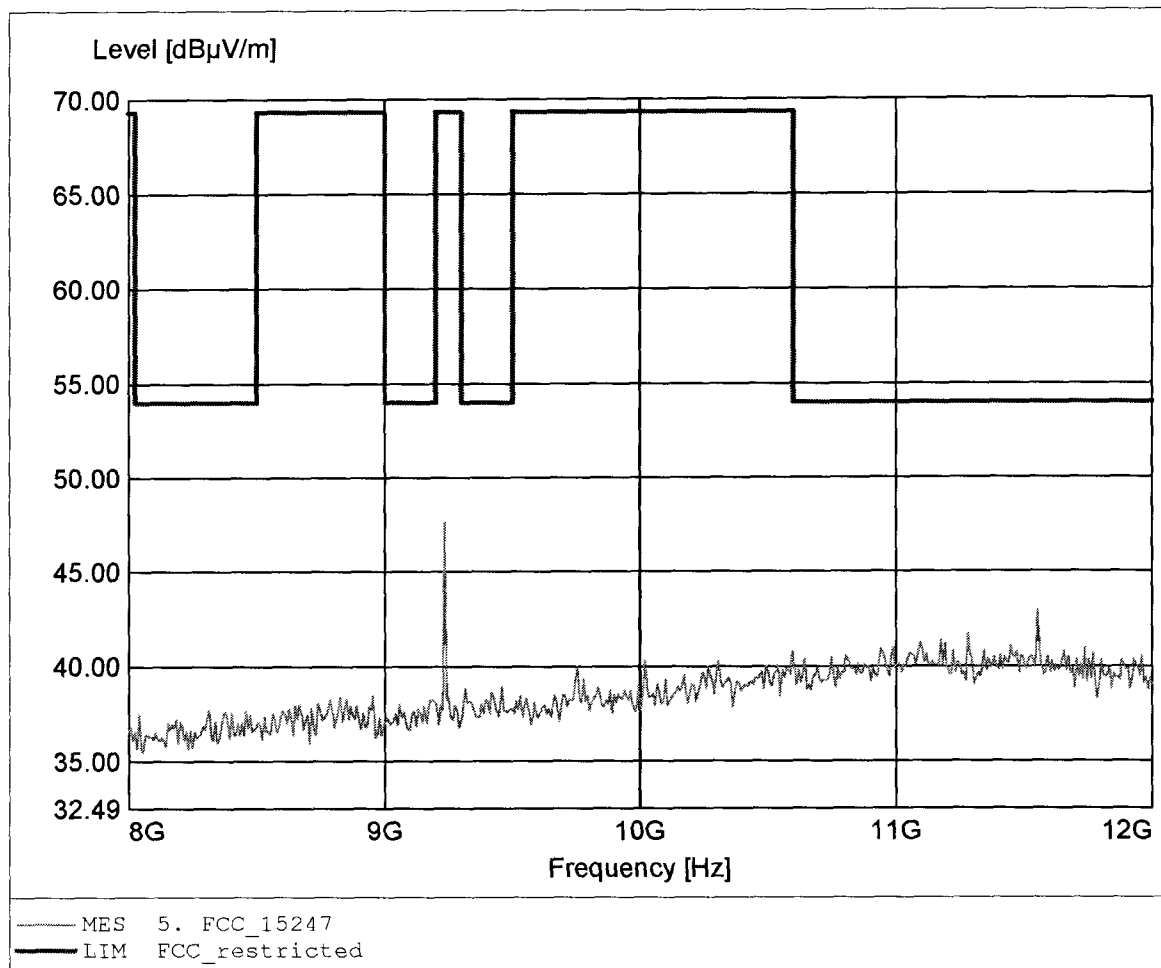
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.349GHz, Emax: 52.35dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

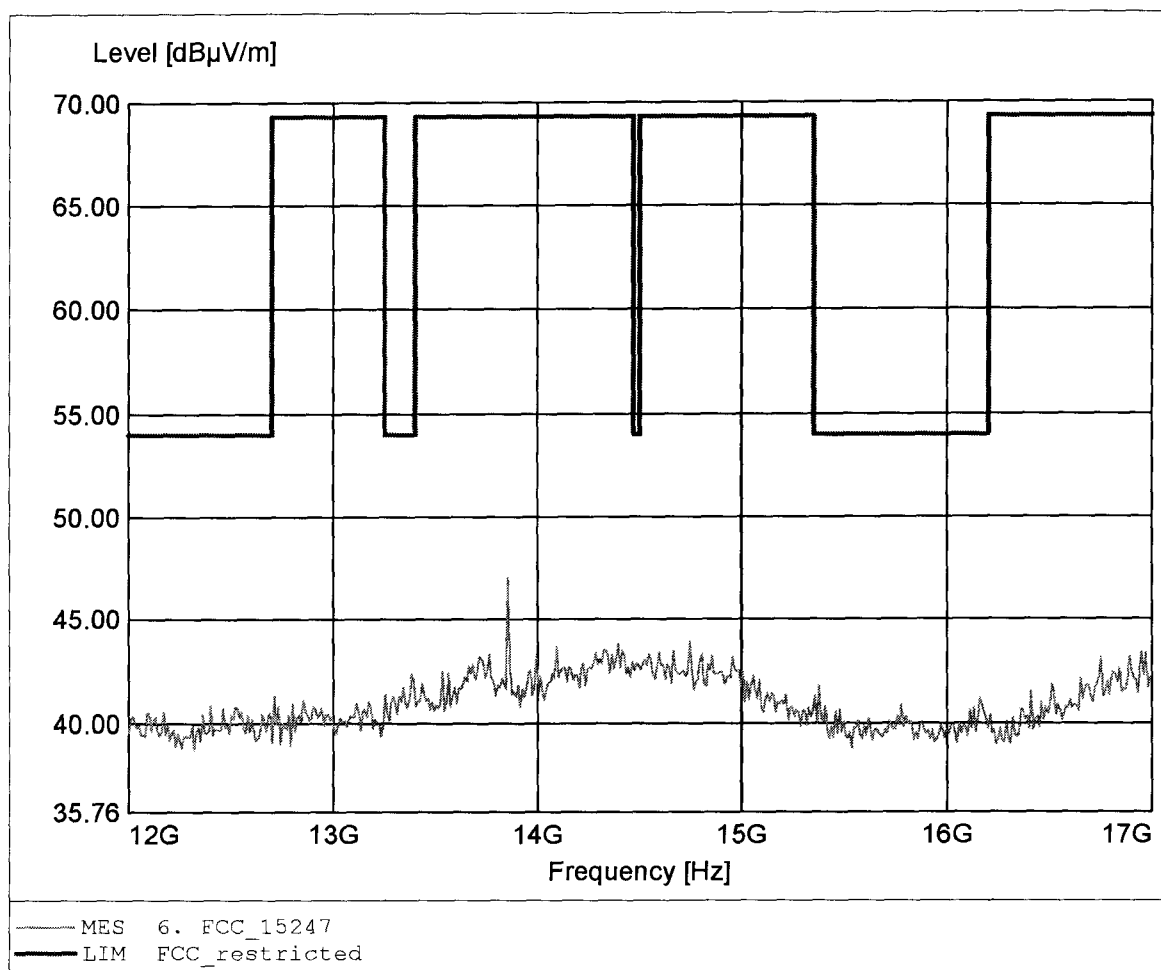
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.234GHz, Emax: 47.63dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

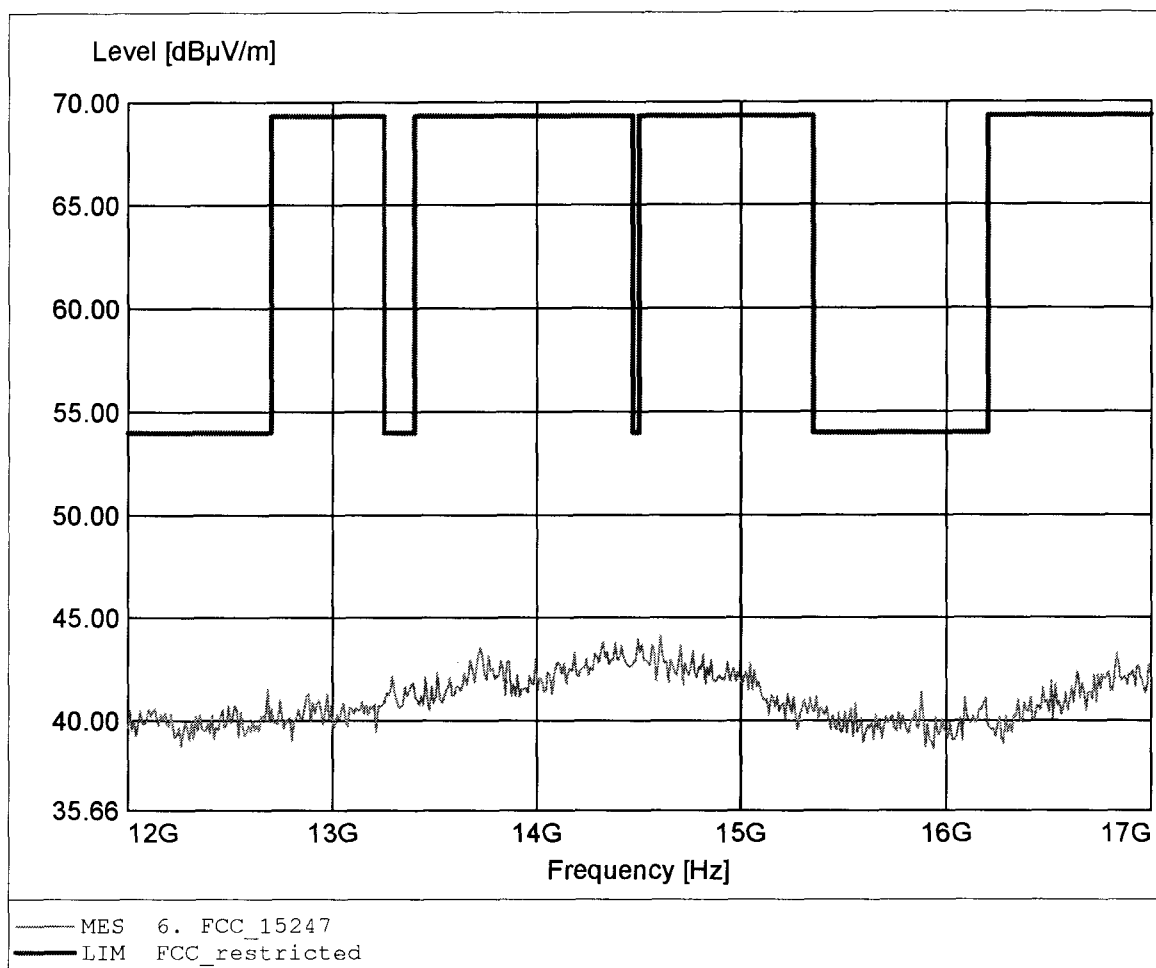
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.854GHz, Emax: 46.99dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

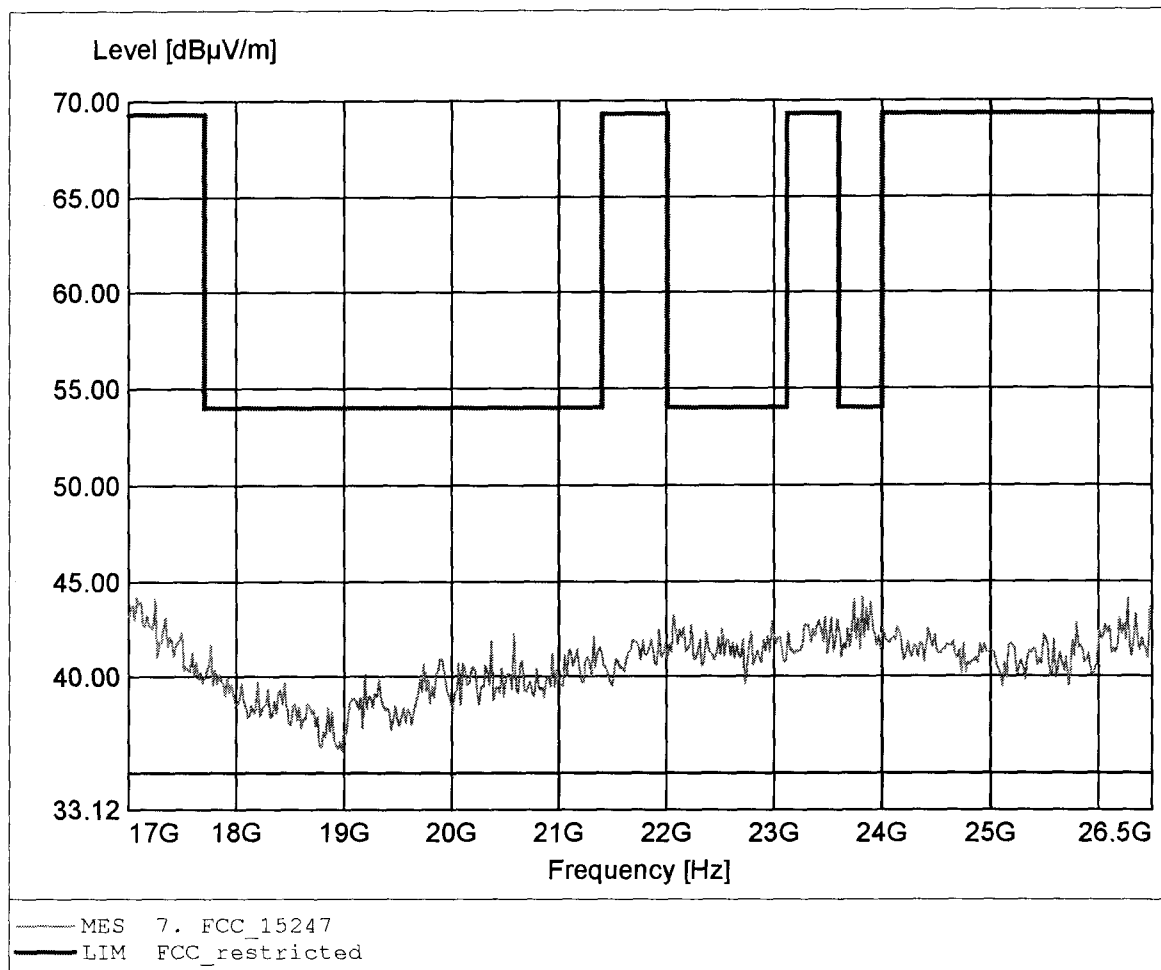
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.605GHz, Emax: 44.15dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

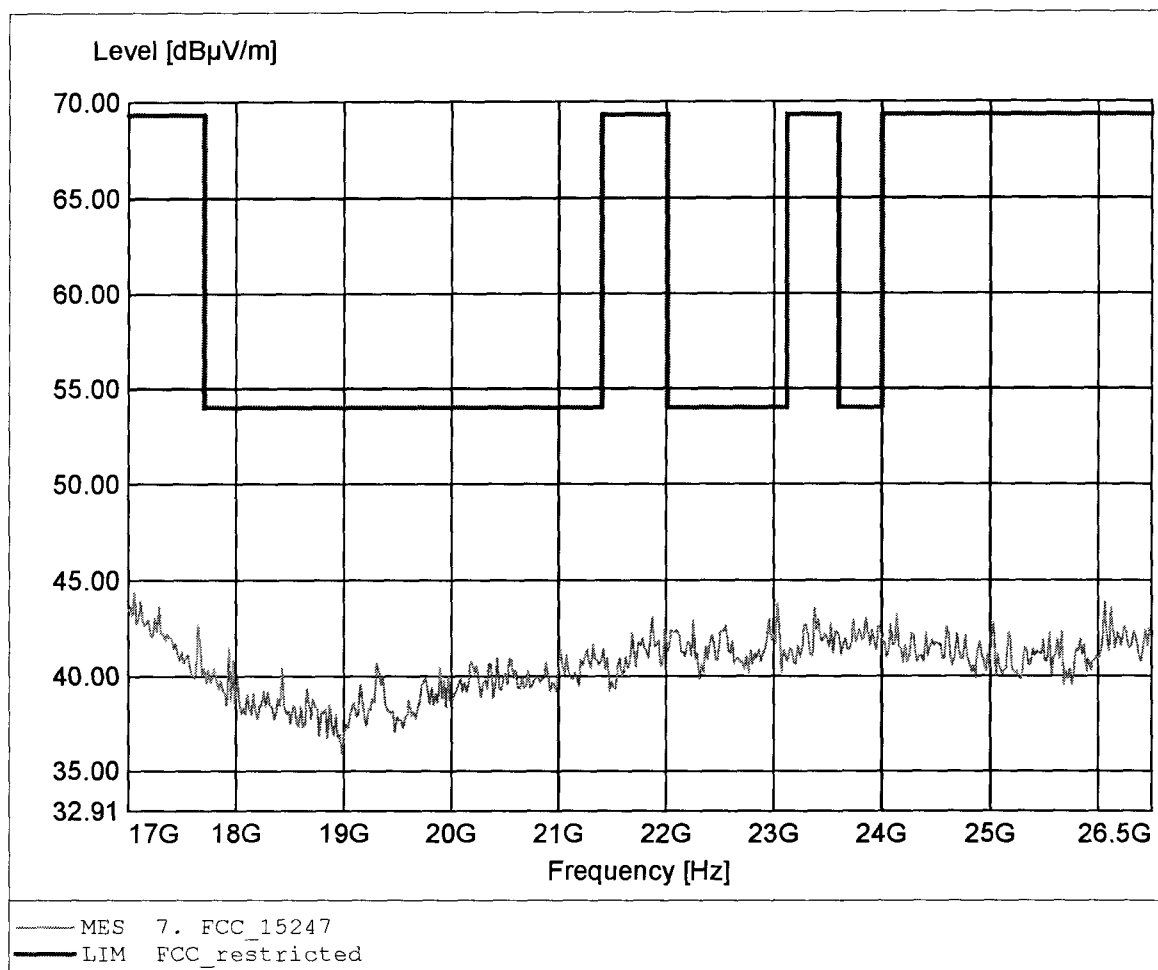
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.076GHz, Emax: 44.19dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

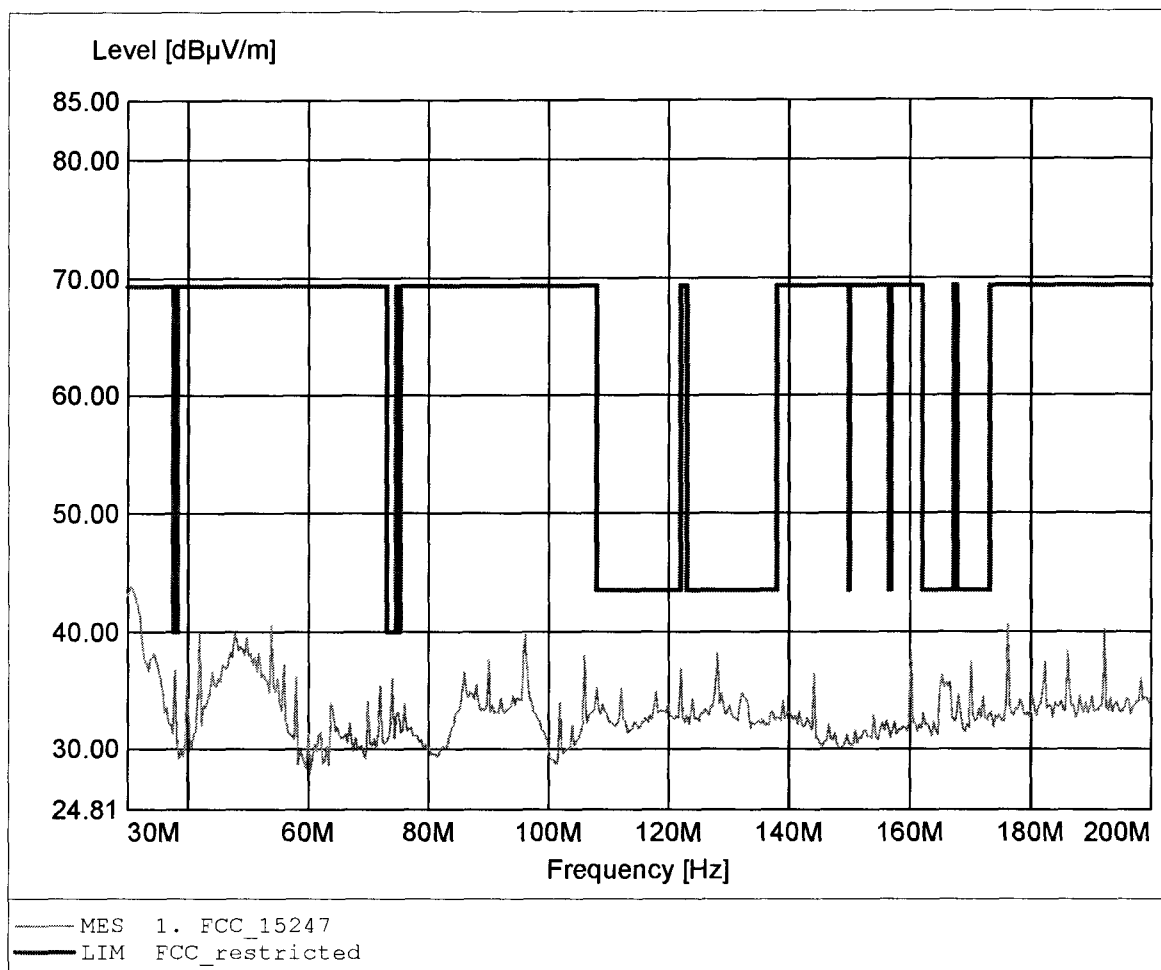
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2441
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.057GHz, Emax: 44.38dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

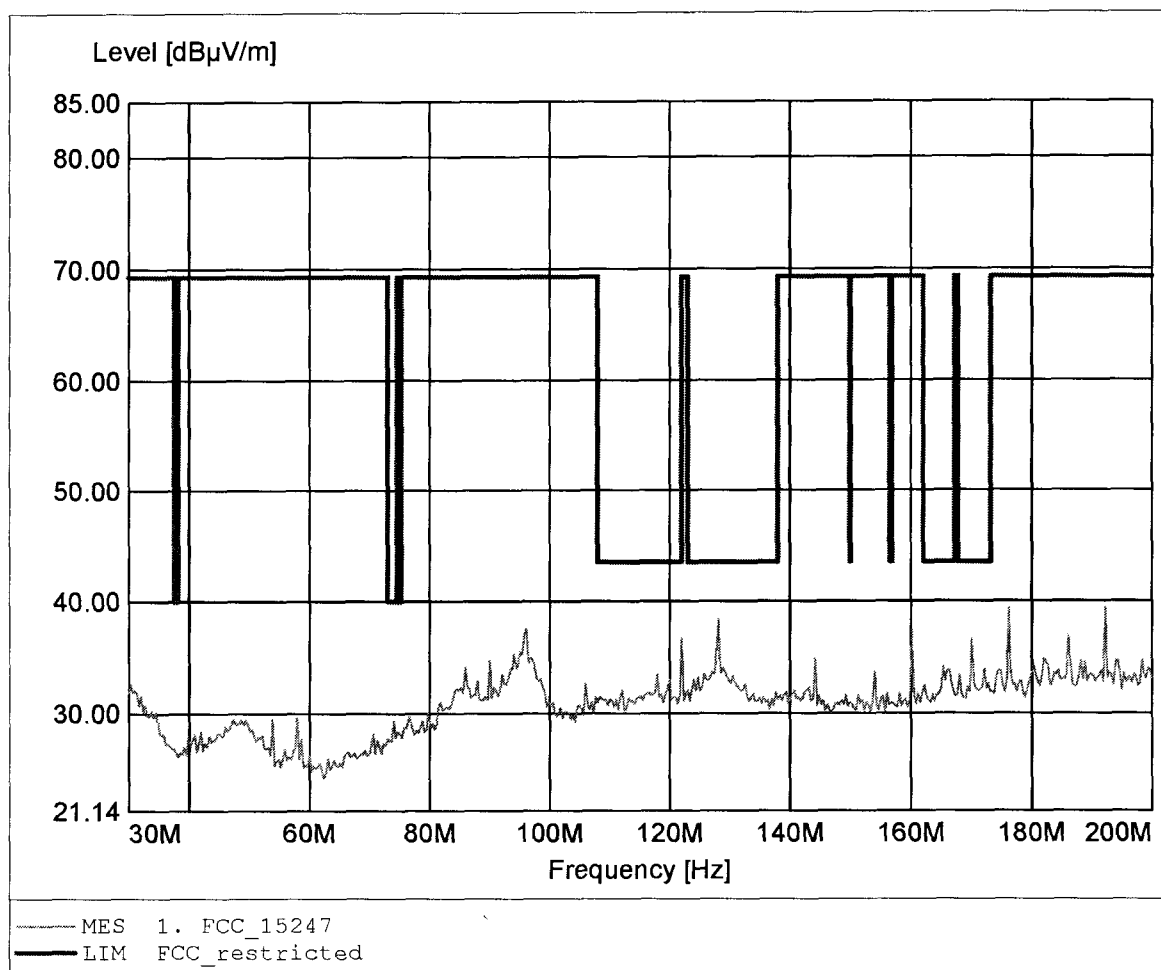
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 30.681MHz, Emax: 43.79dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

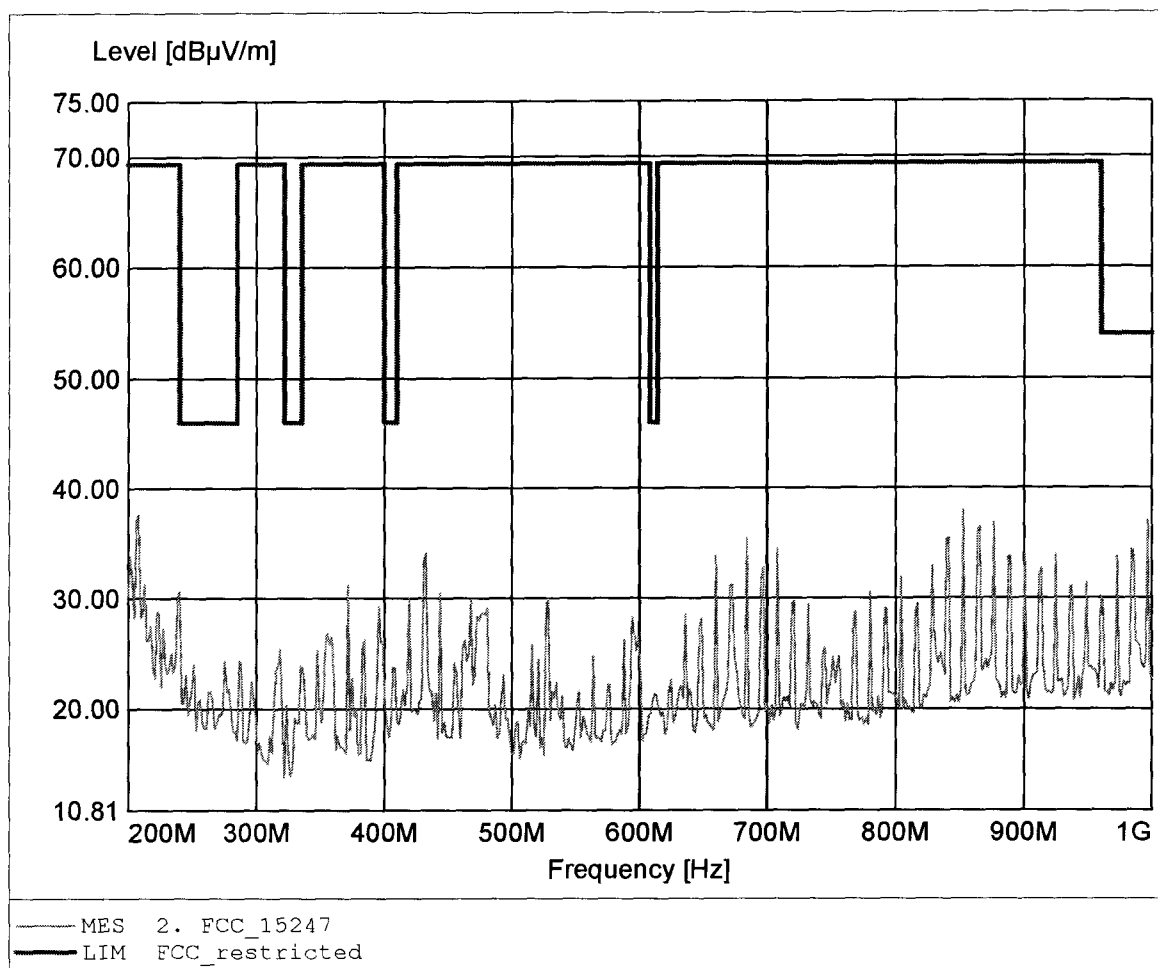
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.164MHz, Emax: 39.39dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

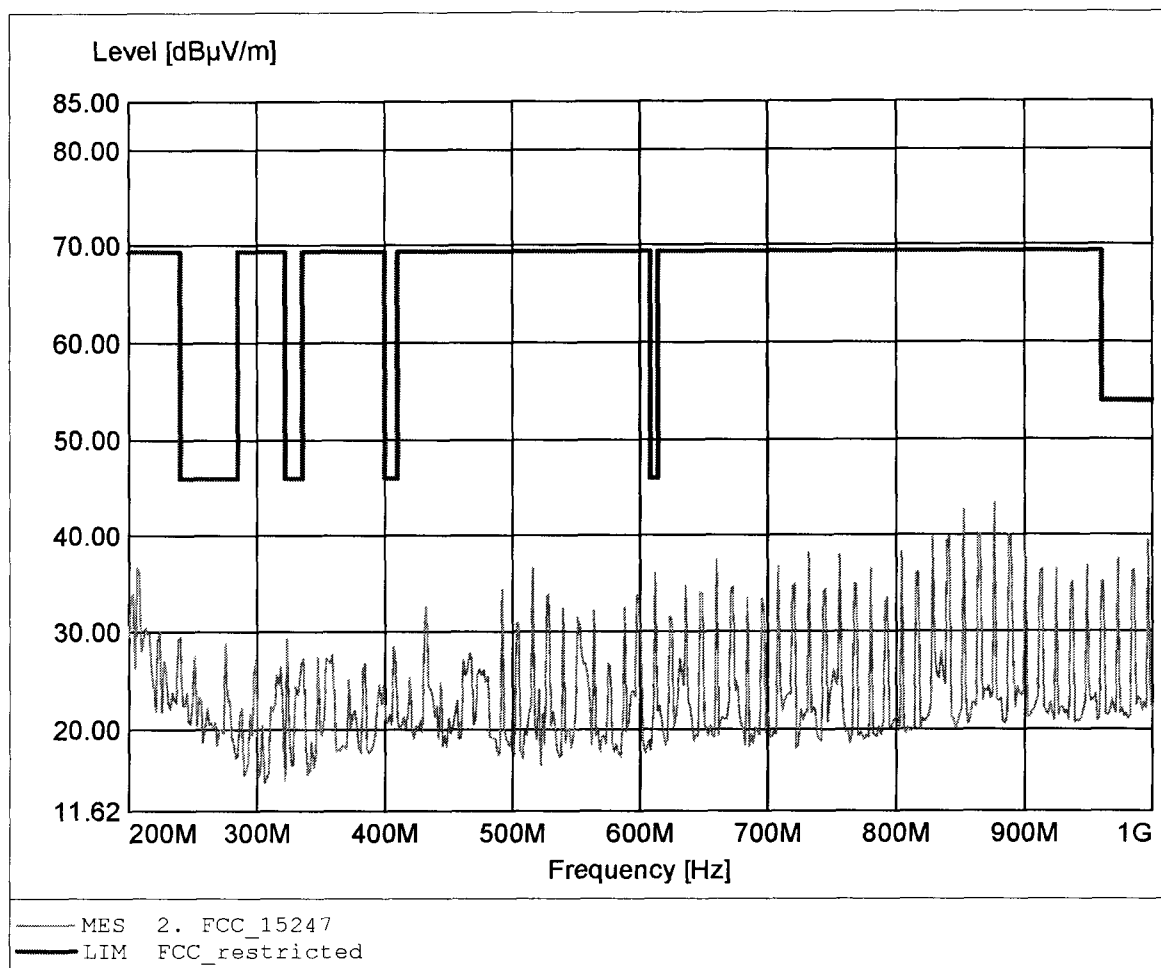
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 852.505MHz, Emax: 37.95dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

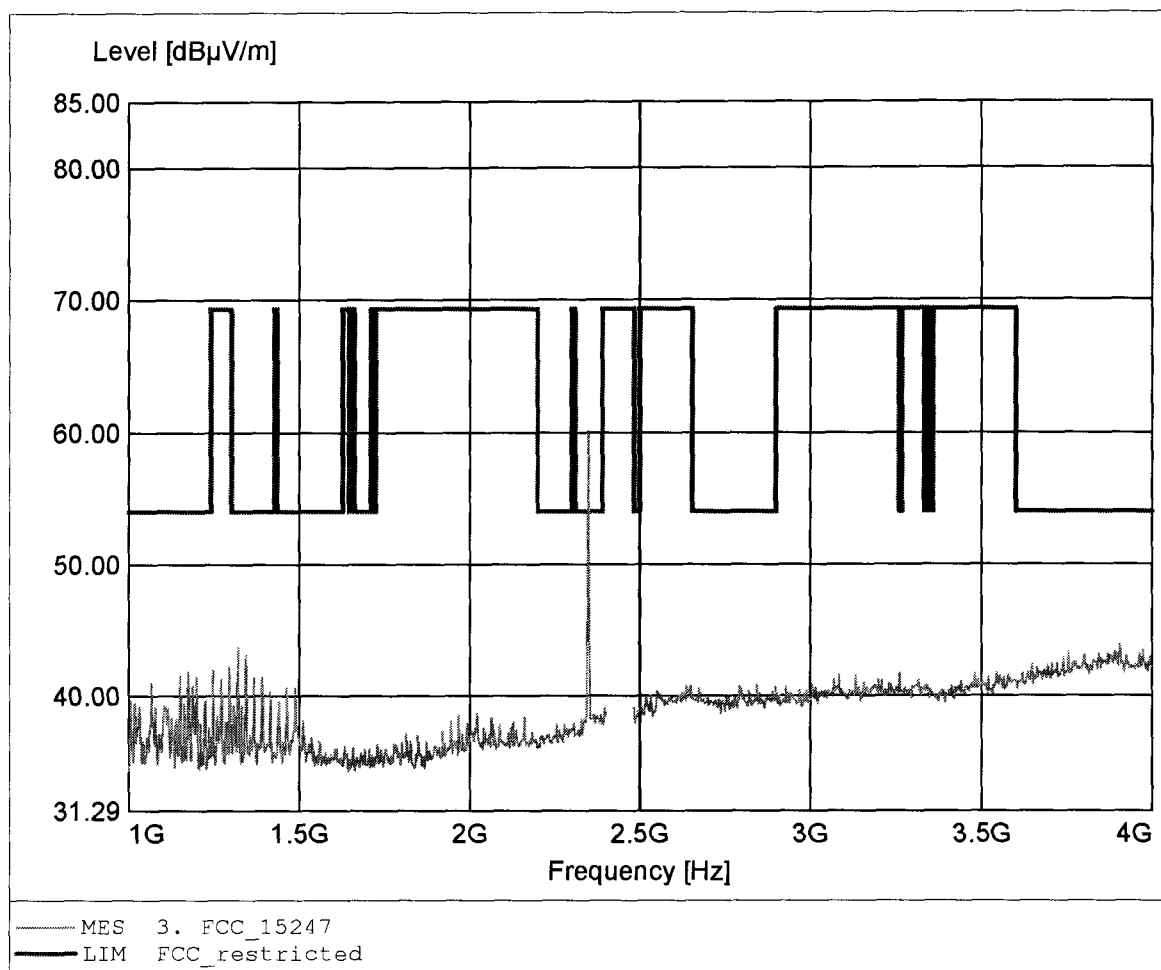
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 876.553MHz, Emax: 43.36dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

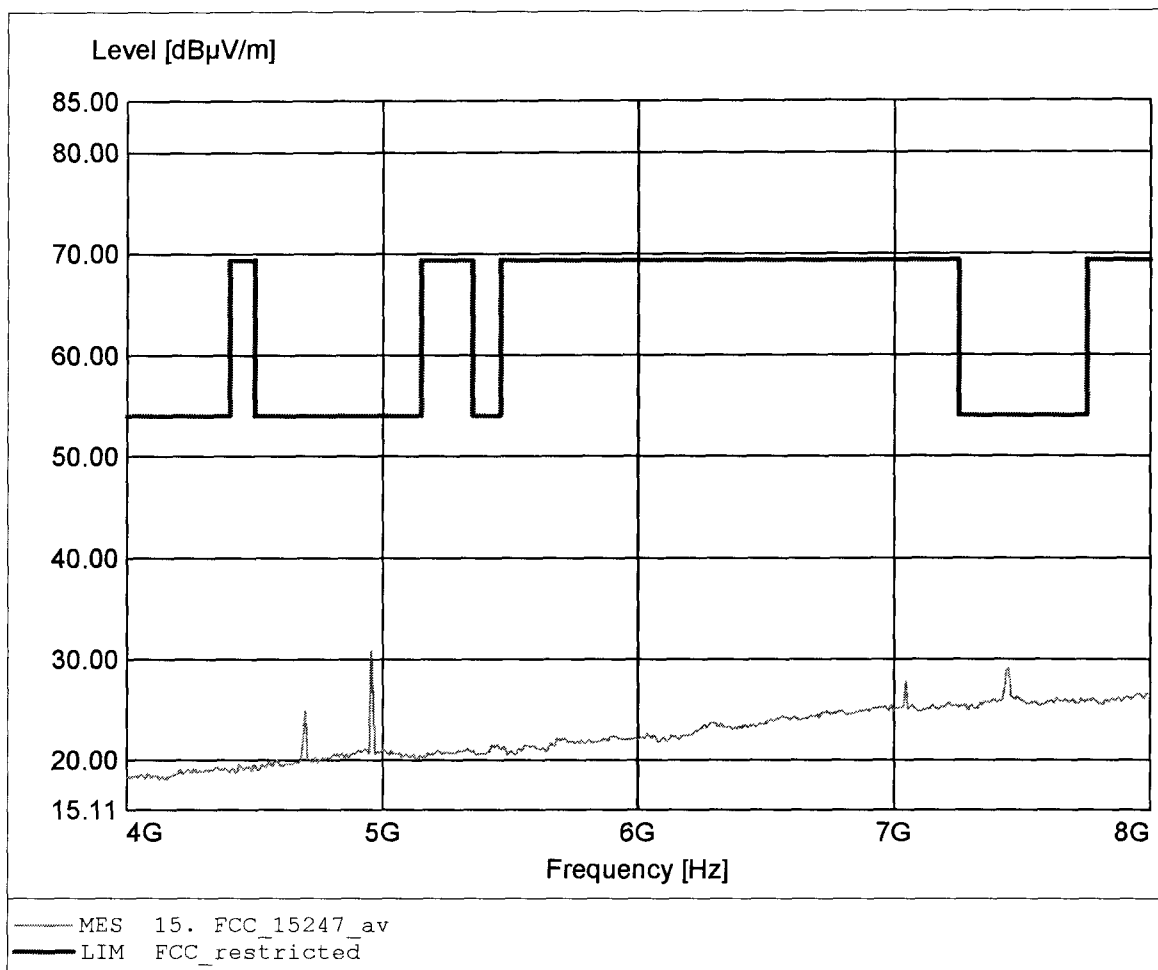
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.349GHz, Emax: 60.14dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

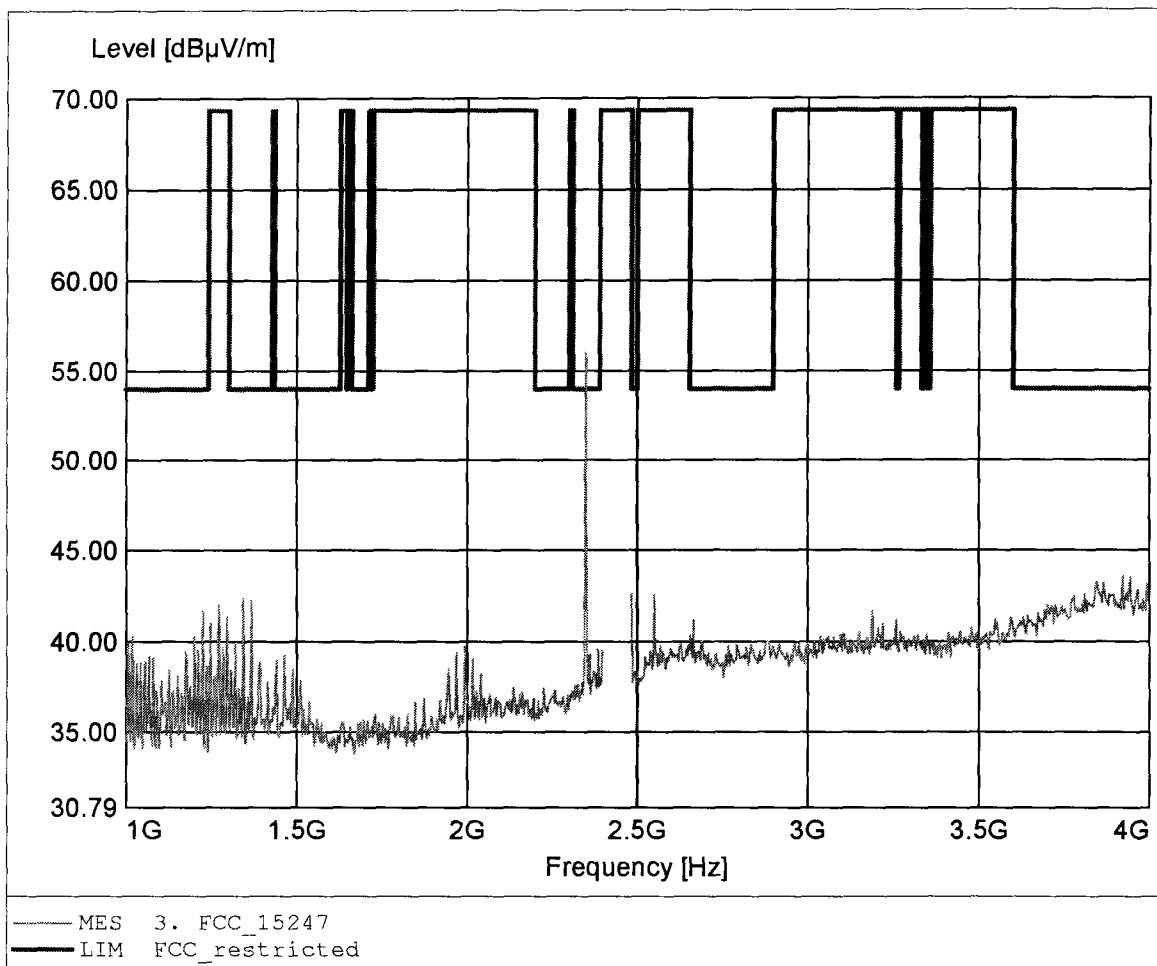
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adaptor)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.954GHz, Emax: 30.90dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

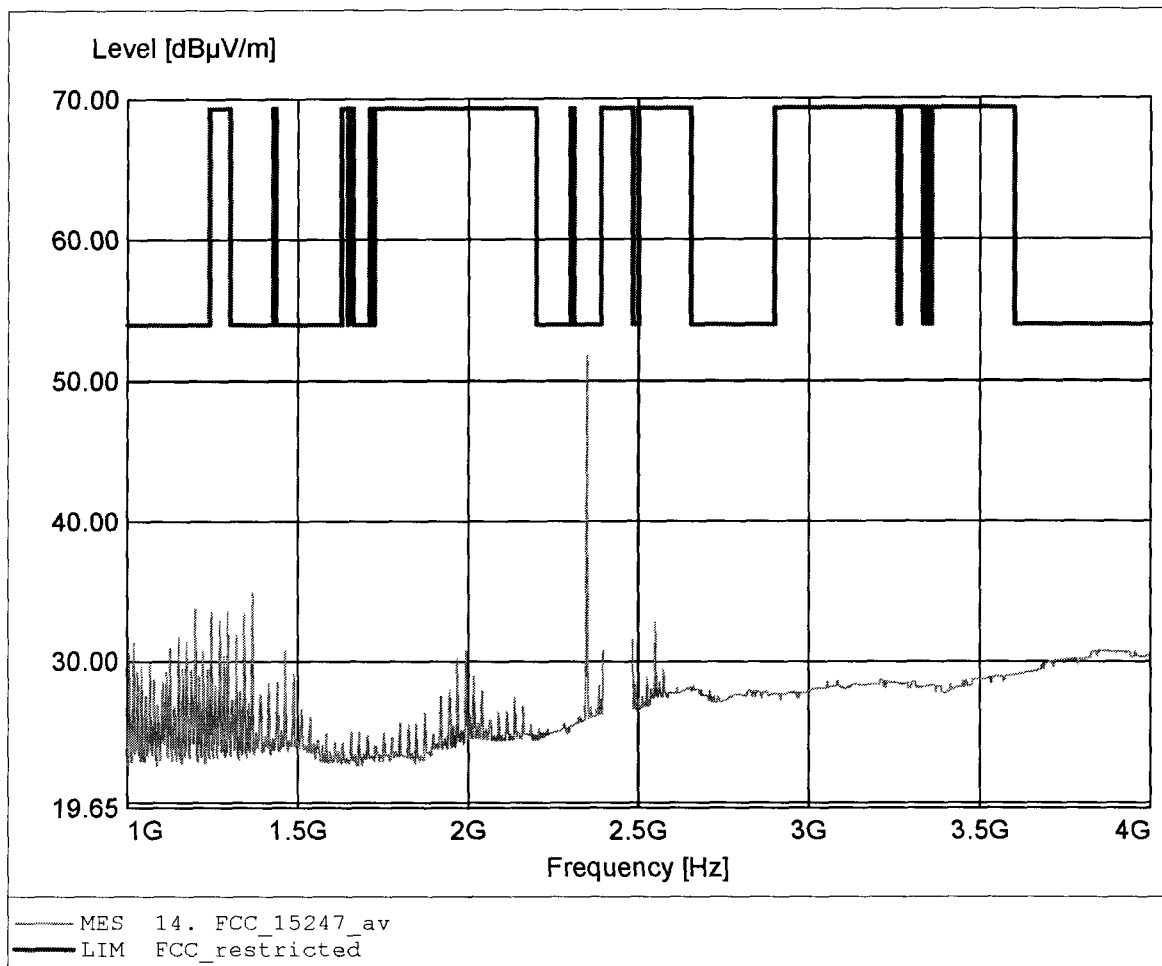
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.349GHz, Emax: 56.02dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

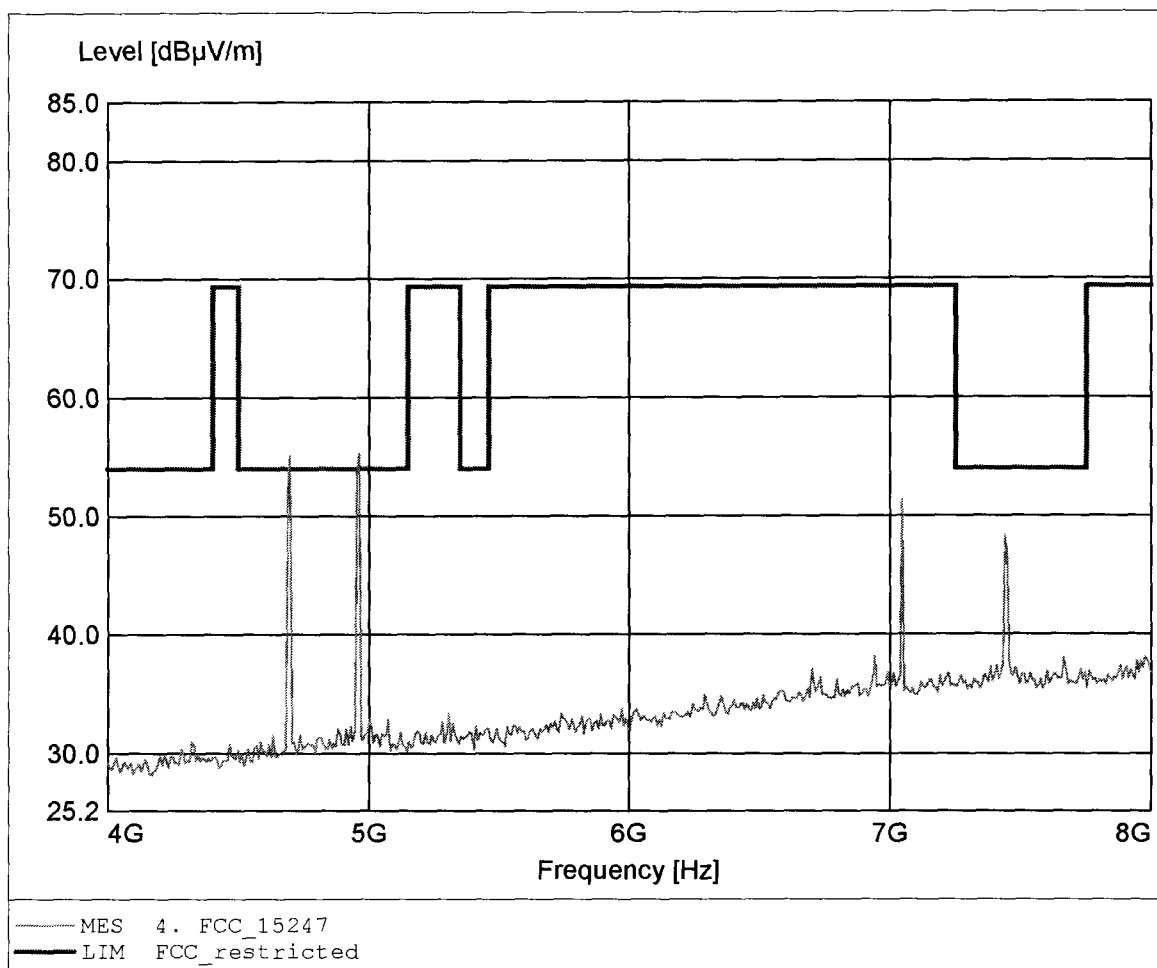
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.349GHz, Emax: 51.78dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

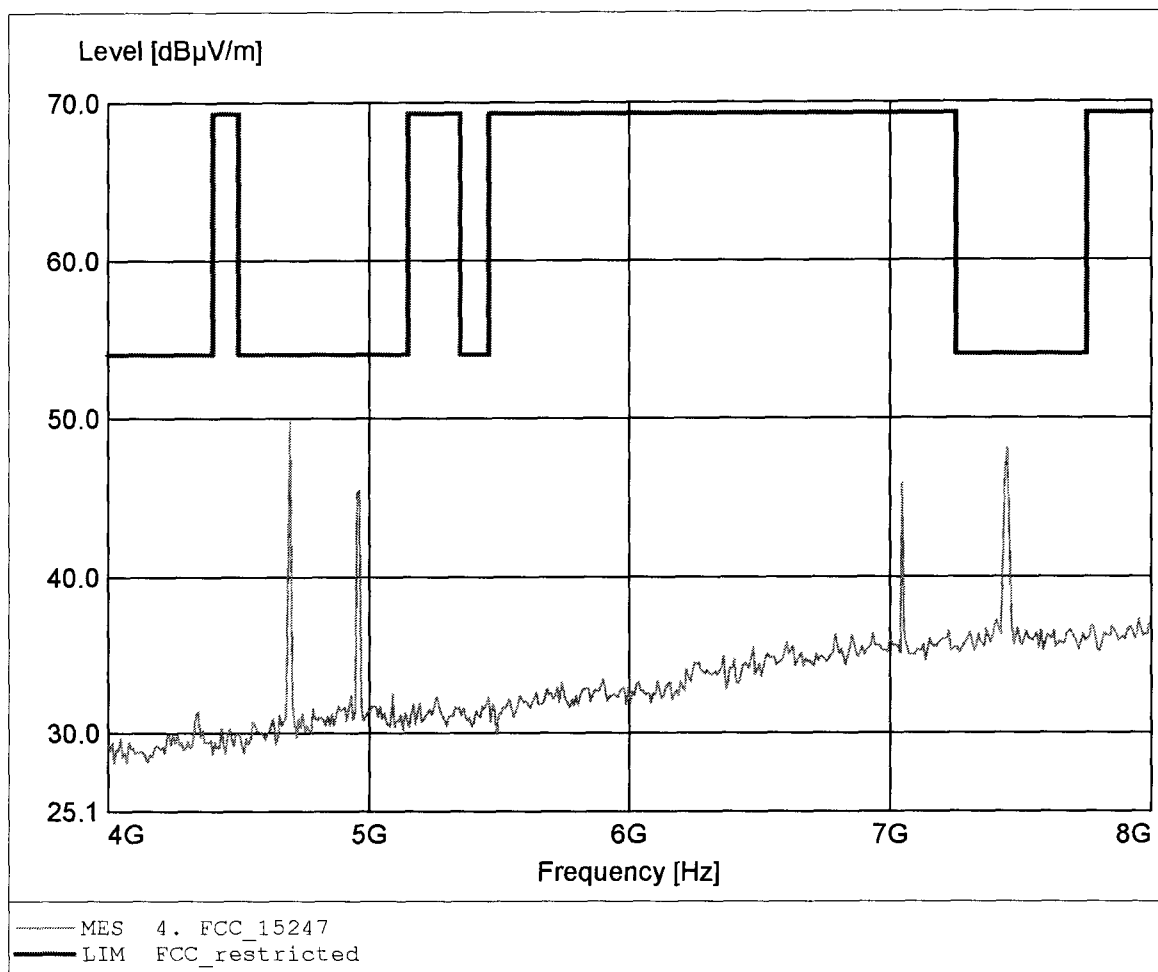
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 55.26dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

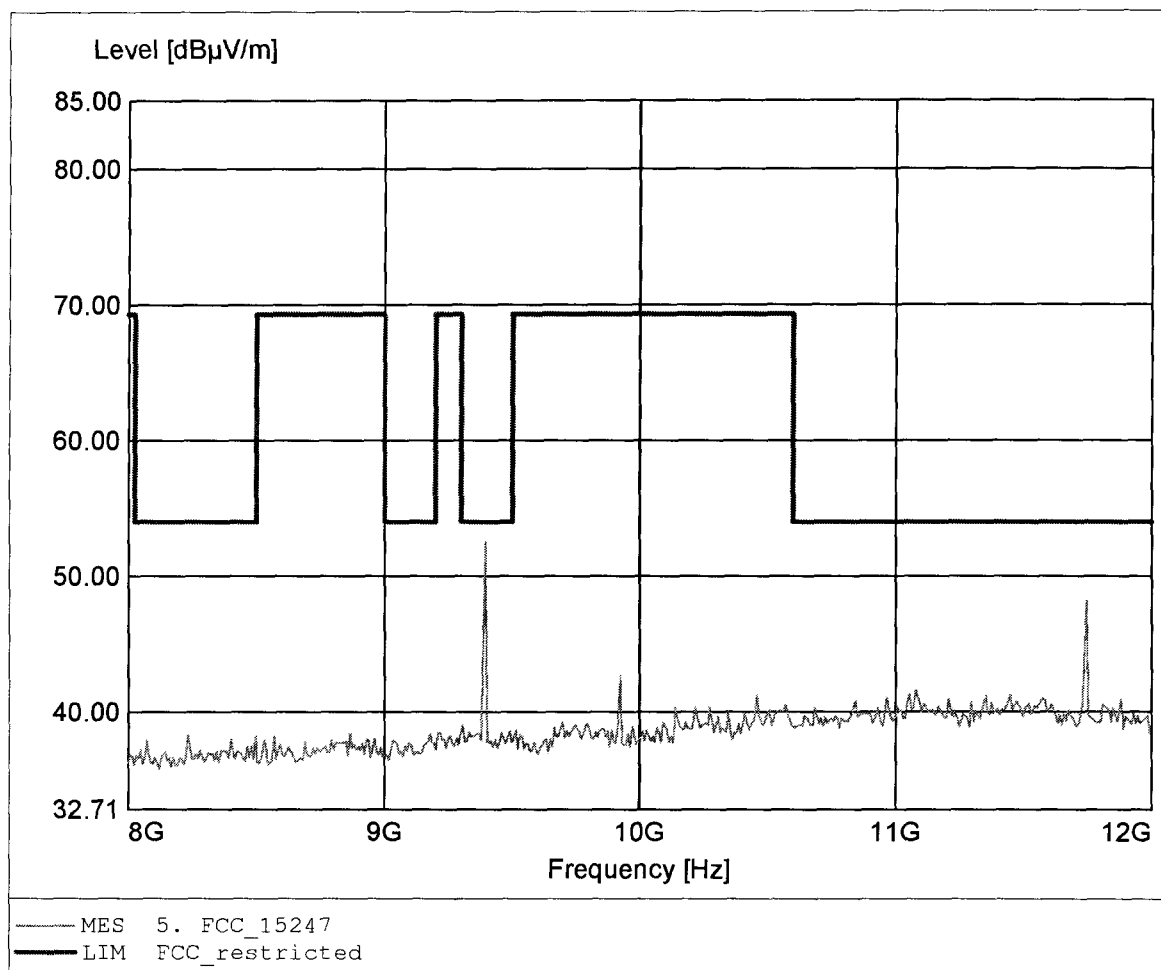
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.697GHz, Emax: 49.79dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

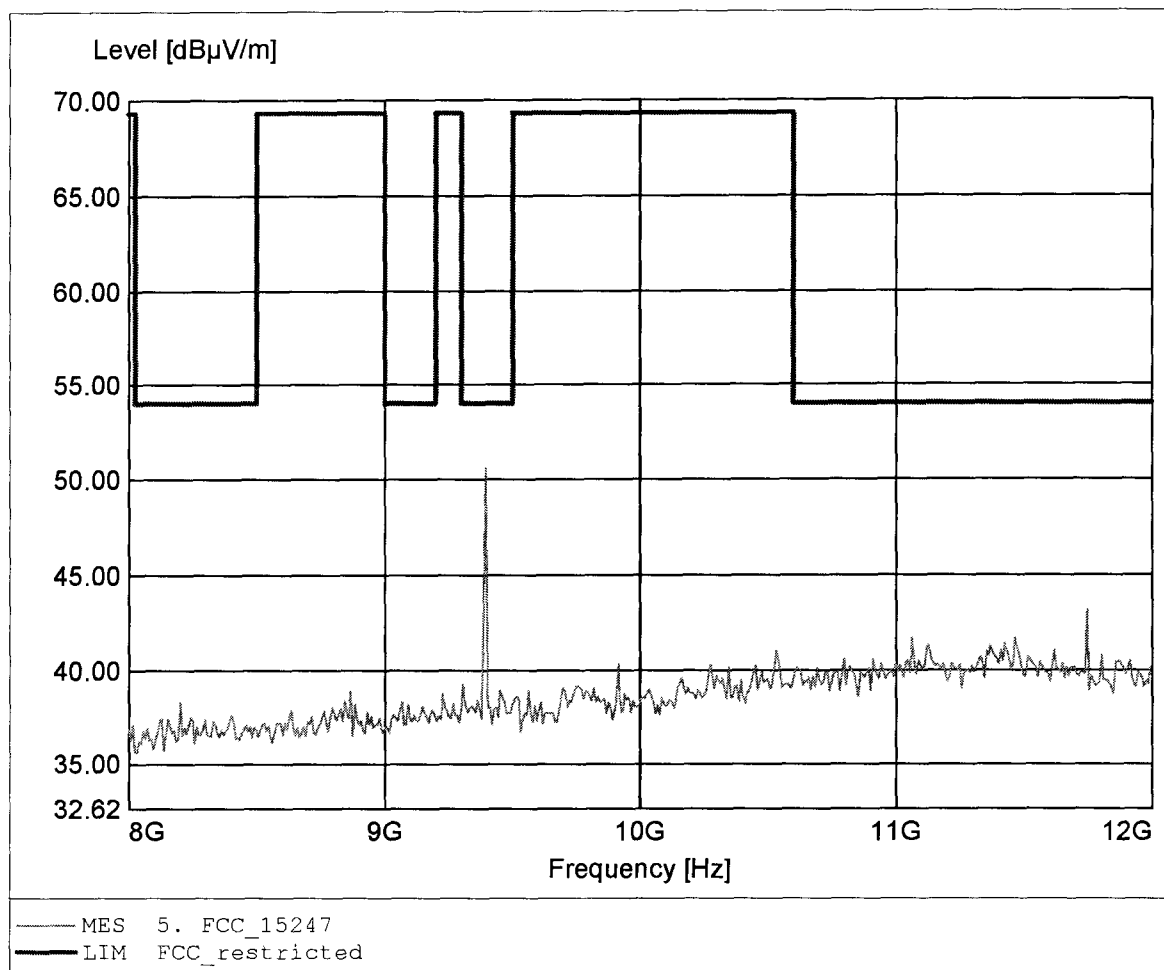
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.395GHz, Emax: 52.51dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

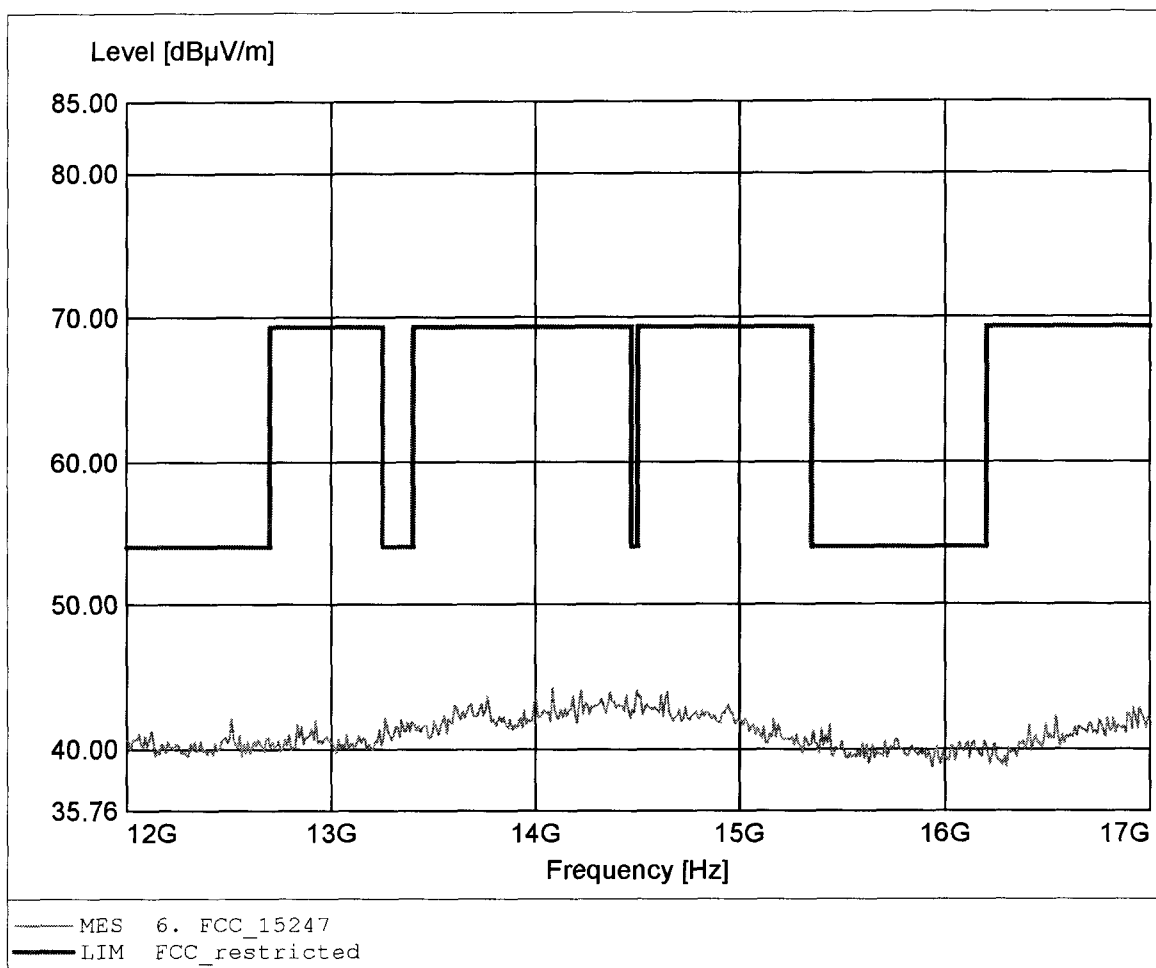
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.395GHz, Emax: 50.58dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

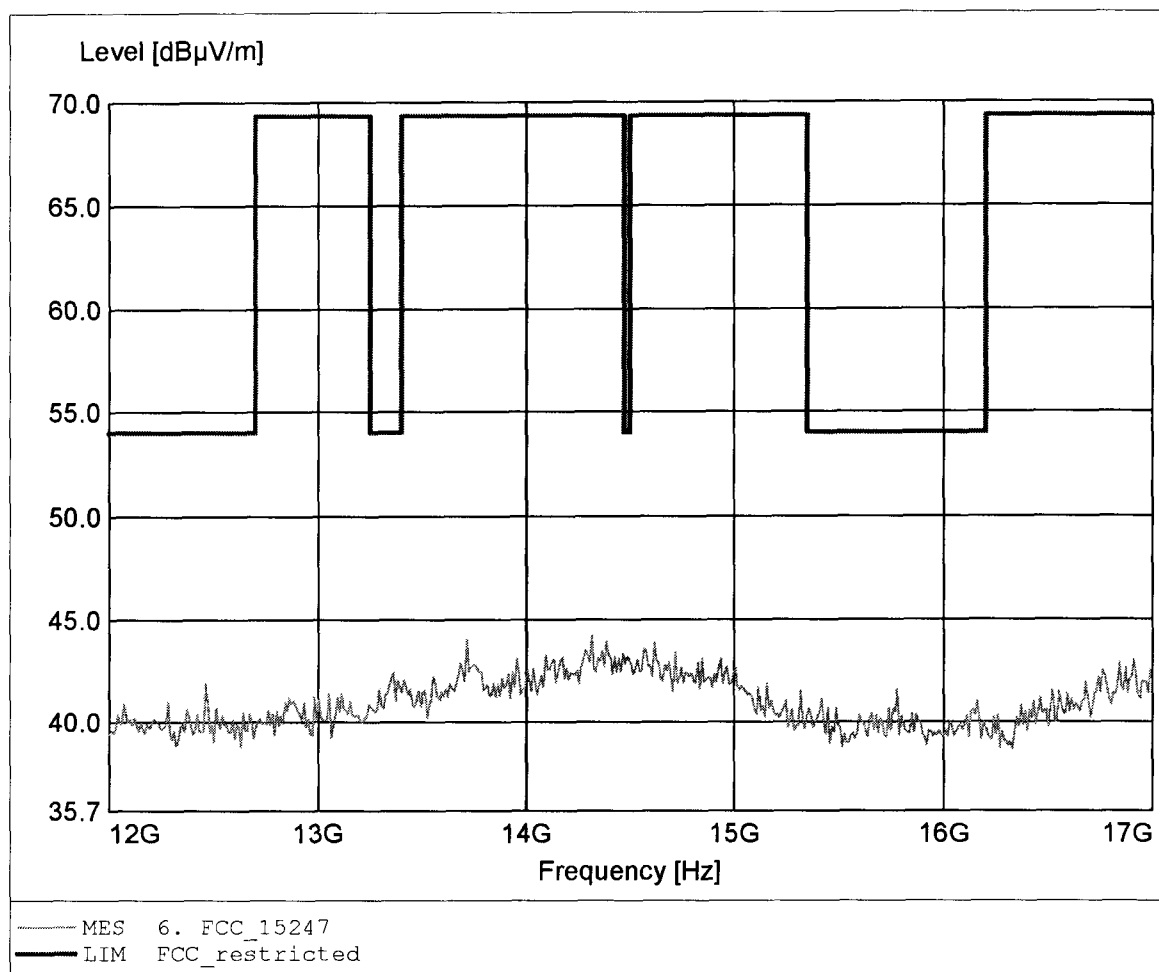
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.084GHz, Emax: 44.20dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

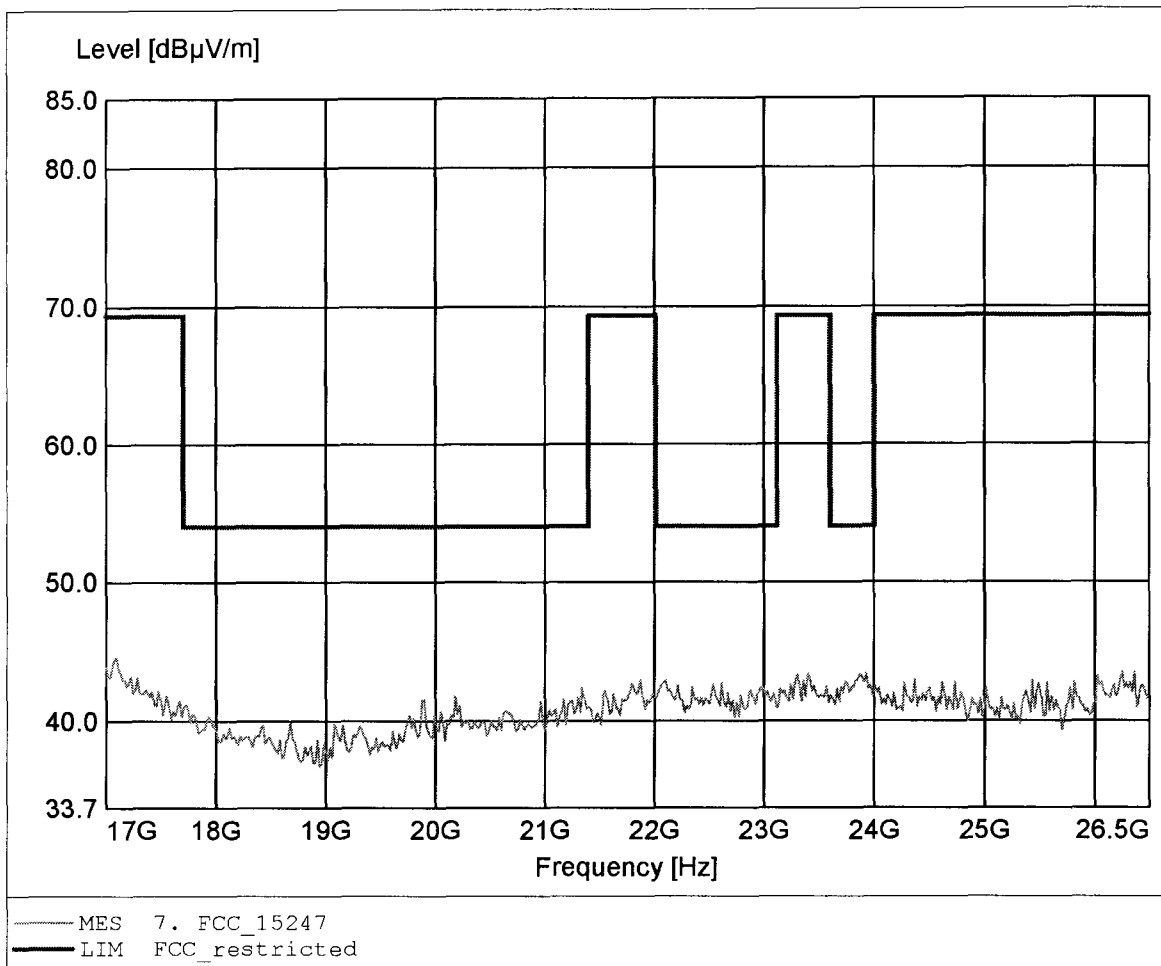
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.315GHz, Emax: 44.24dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

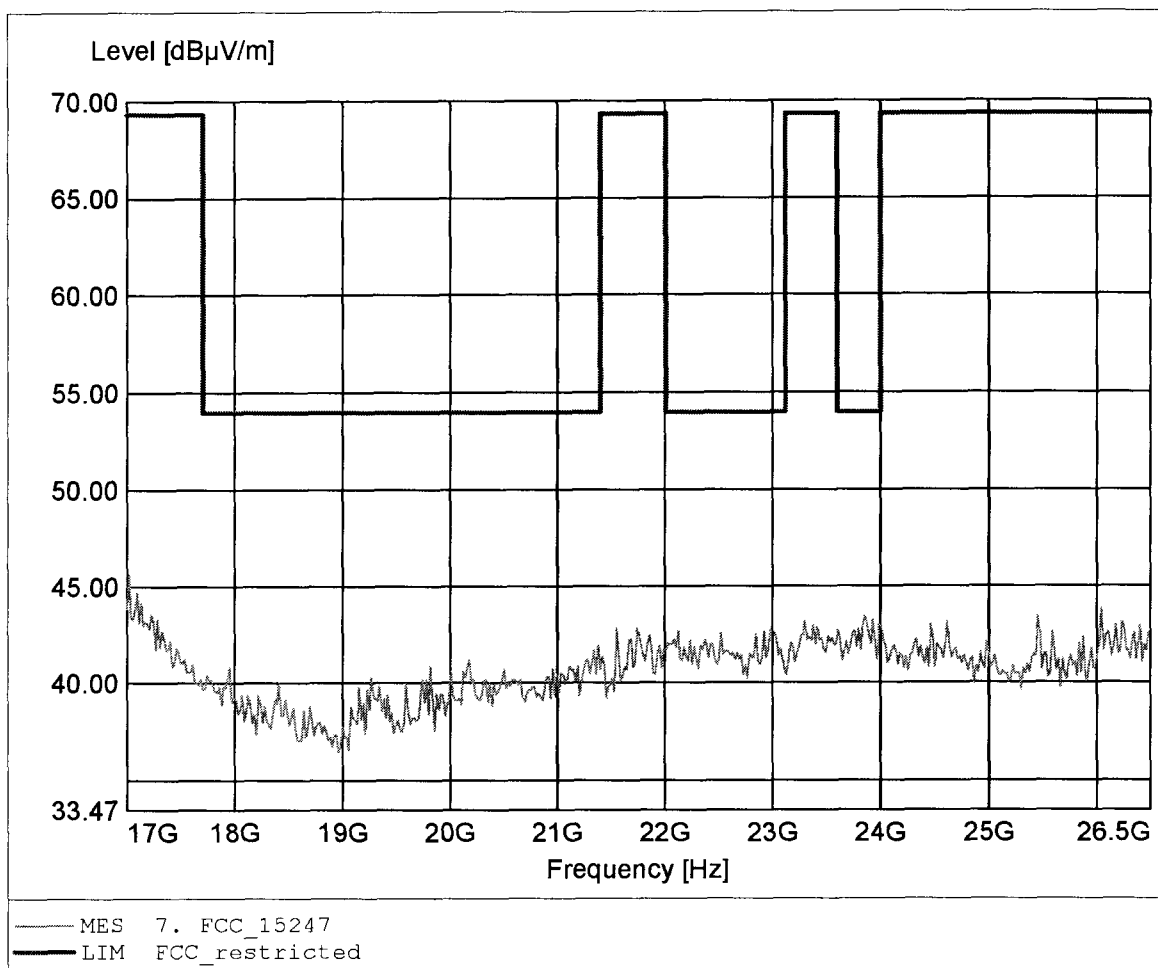
Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
Model: Spirolab III
Test Site / Operator: ETS / Mr. Treffke
Test Condition: 25°C / Unom: 120 V AC (AC/DC-adapter)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.095GHz, Emax: 44.55dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: MIR Medical International Research
EUT / Ch.: Medical device / 2480
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: 45.59dBµV/m, RBW: 1MHz



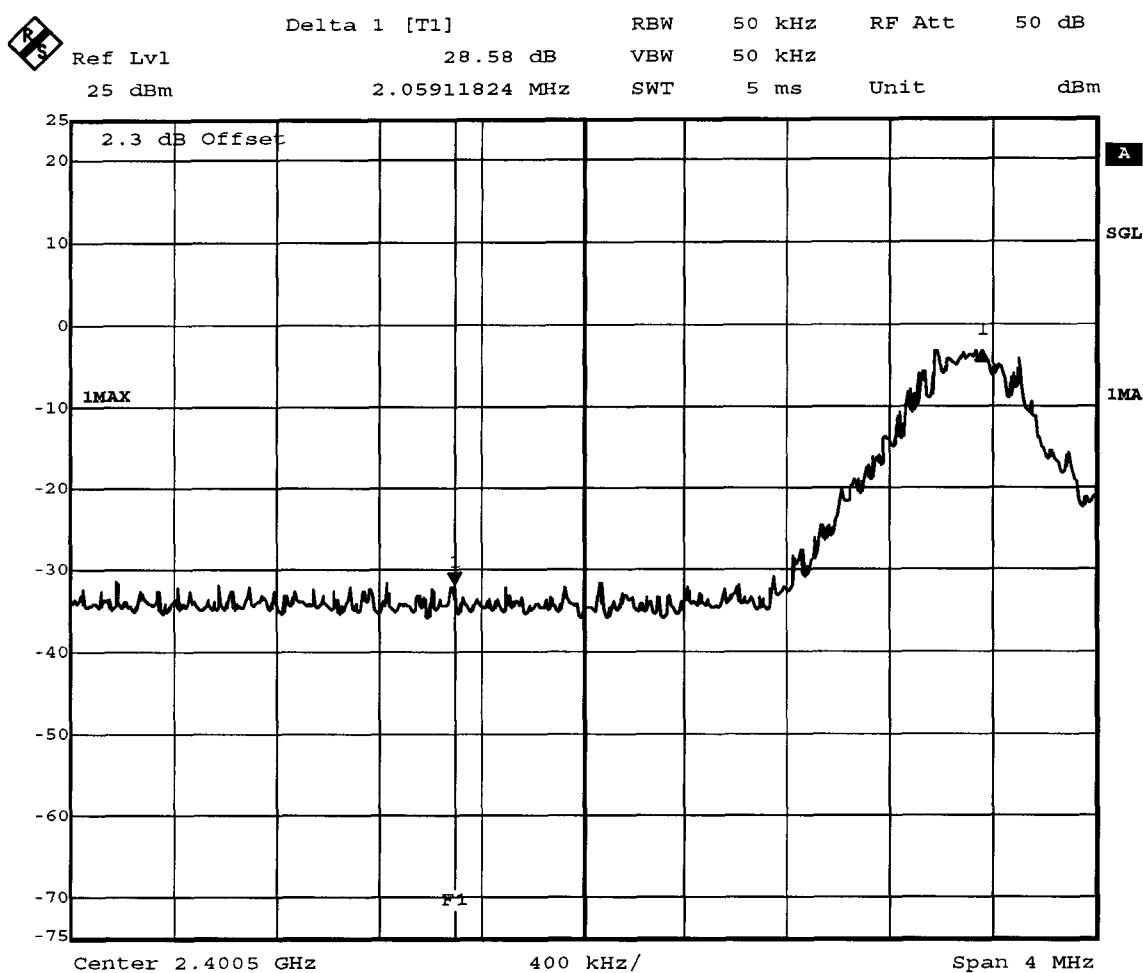
Appendix J

Band-edge compliance

FCC part 15.247

Band-edge compliance of RF conducted emissions

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(c)
Test Case	Band-edge compliance
Comment 1	Channel.: 0 / 2402 MHz
Comment 2	Single frequency mode



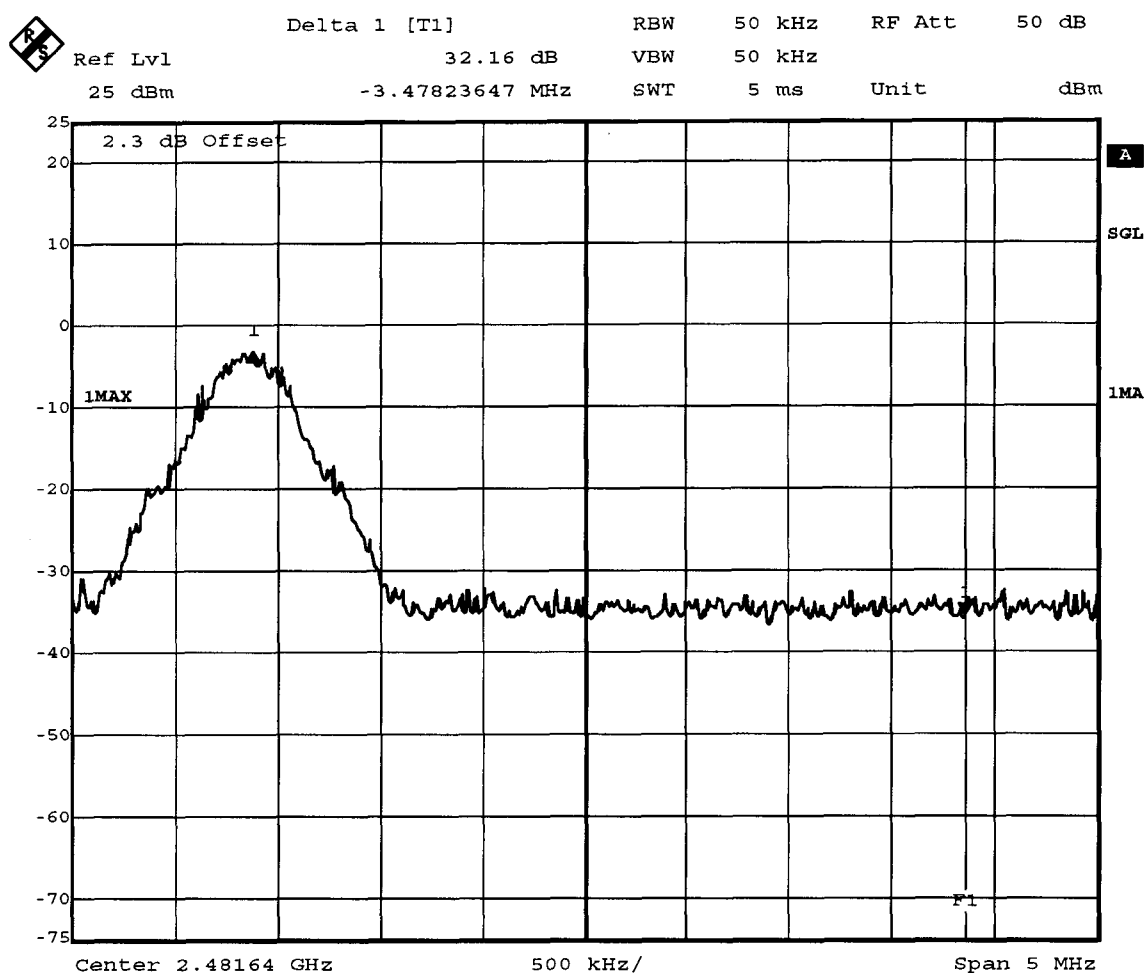
Date: 28.APR.2006 11:52:11

Measurement diagram

FCC part 15.247

Band-edge compliance of RF conducted emissions

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(c)
Test Case	Band-edge compliance
Comment 1	Channel.: 78 / 2480 MHz
Comment 2	Single frequency mode



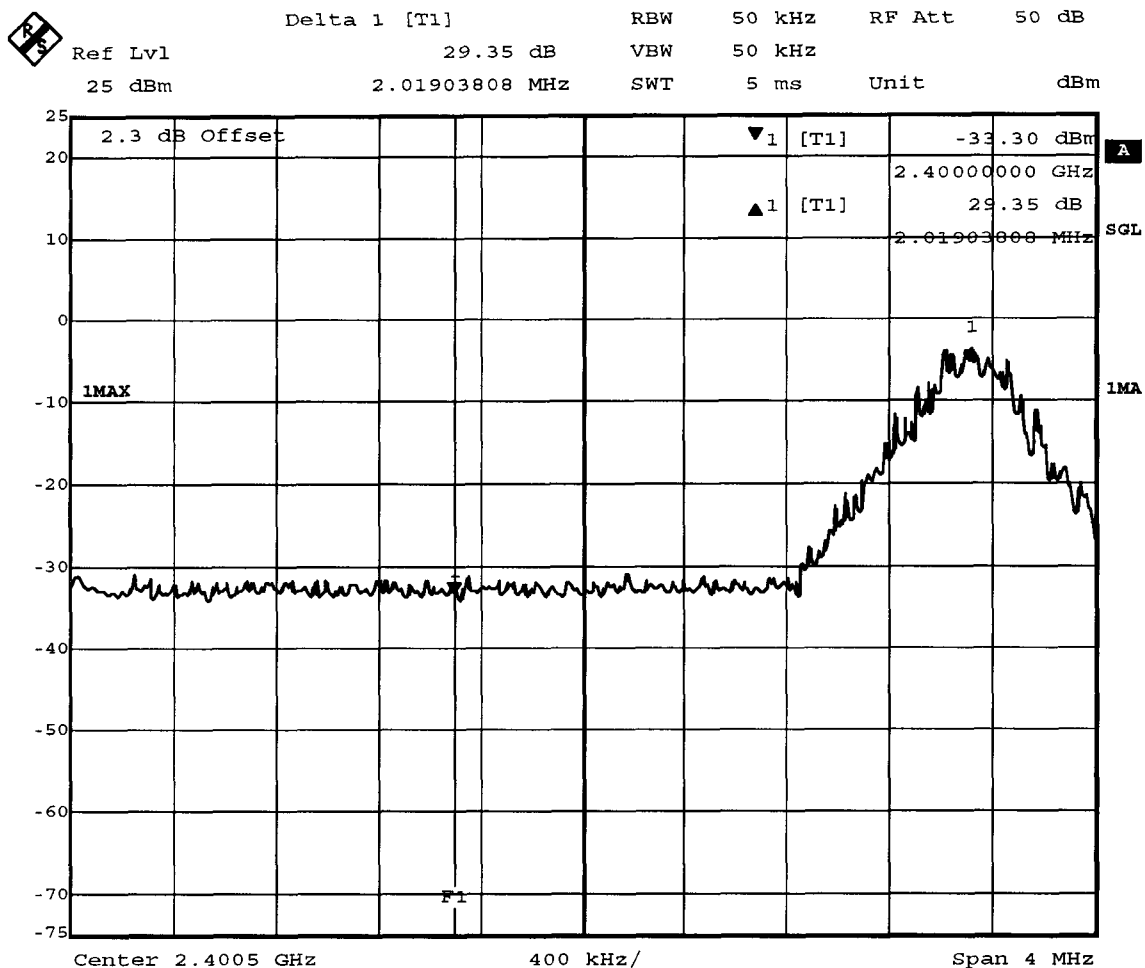
Date: 28.APR.2006 12:03:46

Measurement diagram

FCC part 15.247

Band-edge compliance of RF conducted emissions

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(c)
Test Case	Band-edge compliance
Comment 1	Channel.: 0 / 2402 MHz
Comment 2	Hopping mode



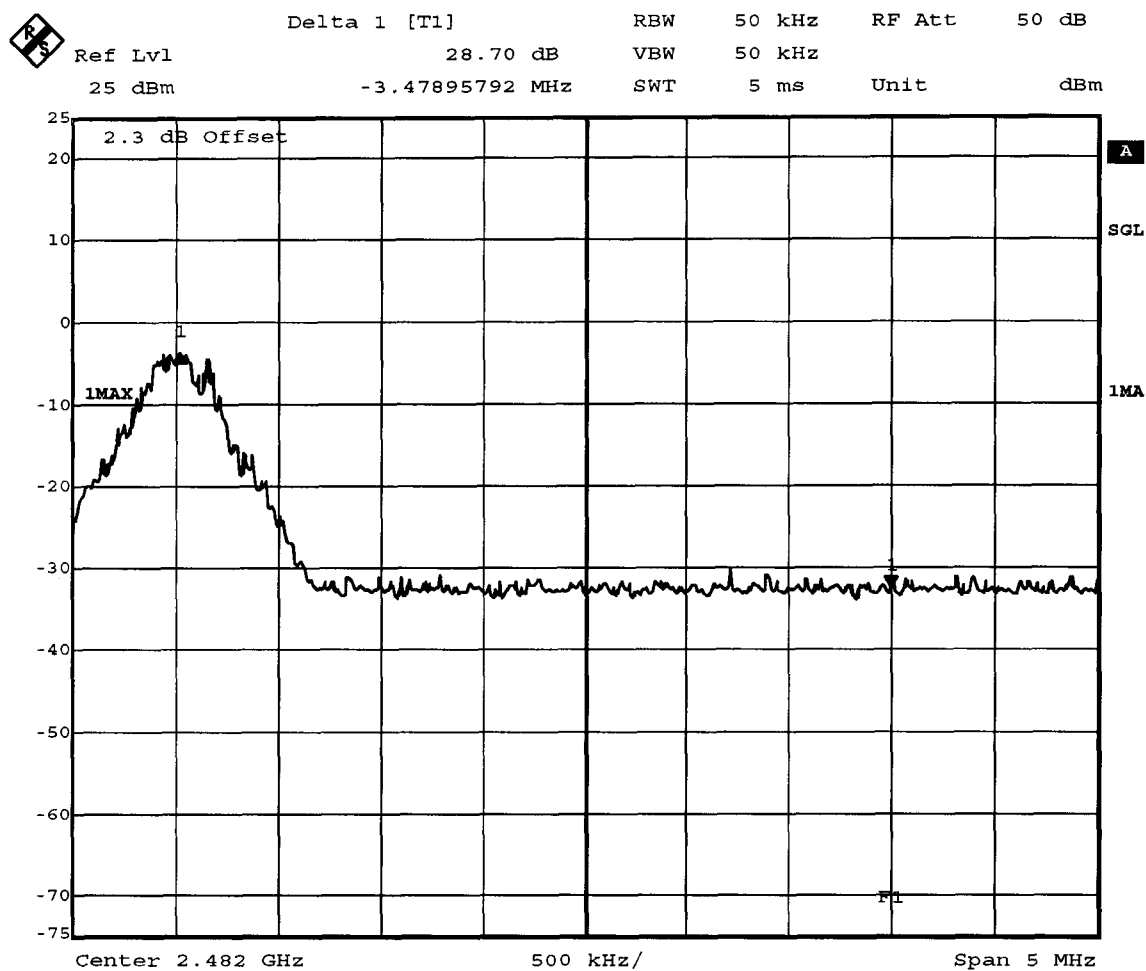
Date: 28.APR.2006 11:49:21

Measurement diagram

FCC part 15.247

Band-edge compliance of RF conducted emissions

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(c)
Test Case	Band-edge compliance
Comment 1	Channel.: 78 / 2480 MHz
Comment 2	Hopping mode



Date: 28.APR.2006 12:01:03

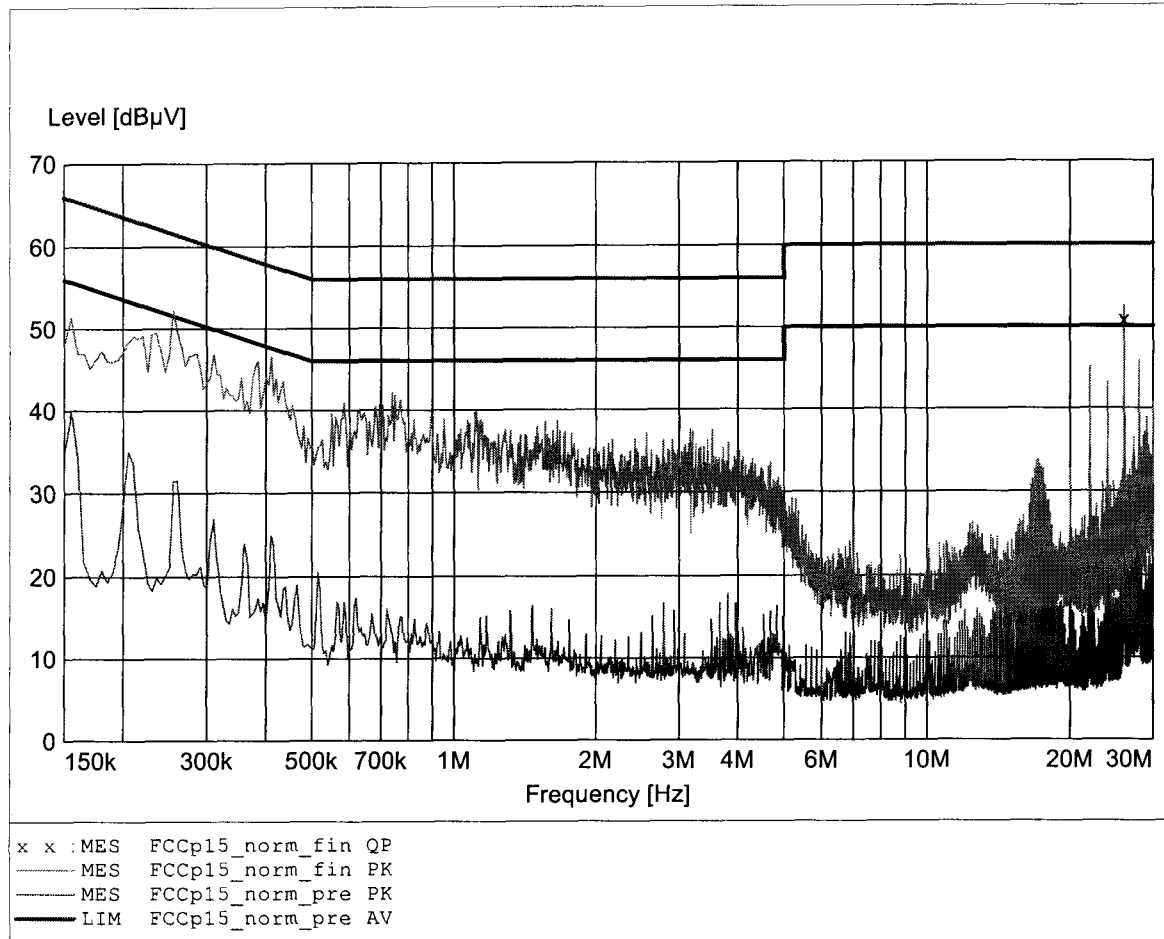
Measurement diagram

Appendix K

AC power line conducted emissions

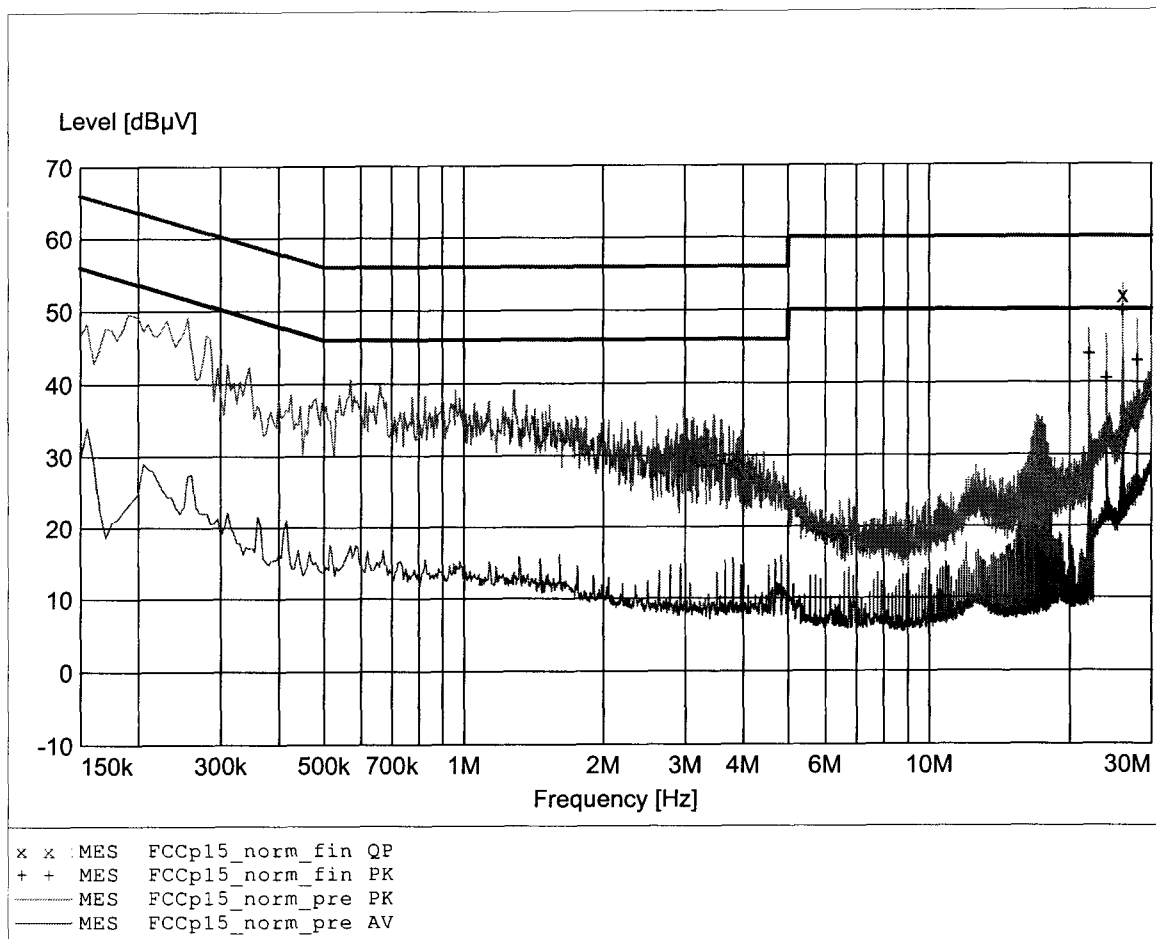
EMI voltage test in the ac-mains according to FCC part 15

EUT: Medical device
Manufacturer: MIR Medical International Research
Operating Condition: Unom: 120 VAC (AC/DC Adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH3-Z5 (L1)
Comment: model: Spirolab III mode: Bluetooth



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

EUT: Medical device
Manufacturer: MIR Medical International Research
Operating Condition: Unom: 120 VAC (AC/DC Adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH3-Z5 (N)
Comment: model: Spirolab III mode: Bluetooth



Appendix L

Receiver radiated emissions