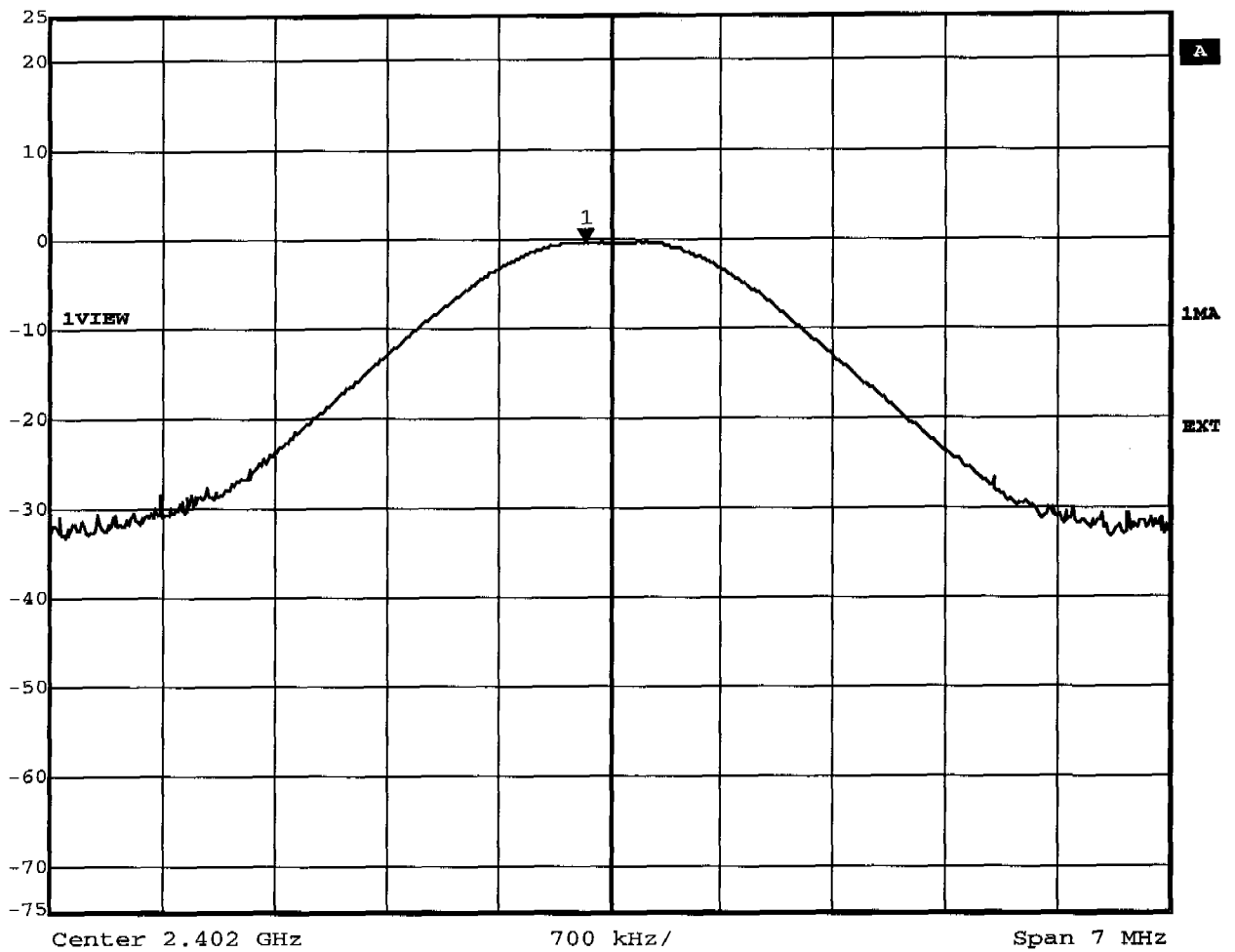


Appendix B

Peak Output Power



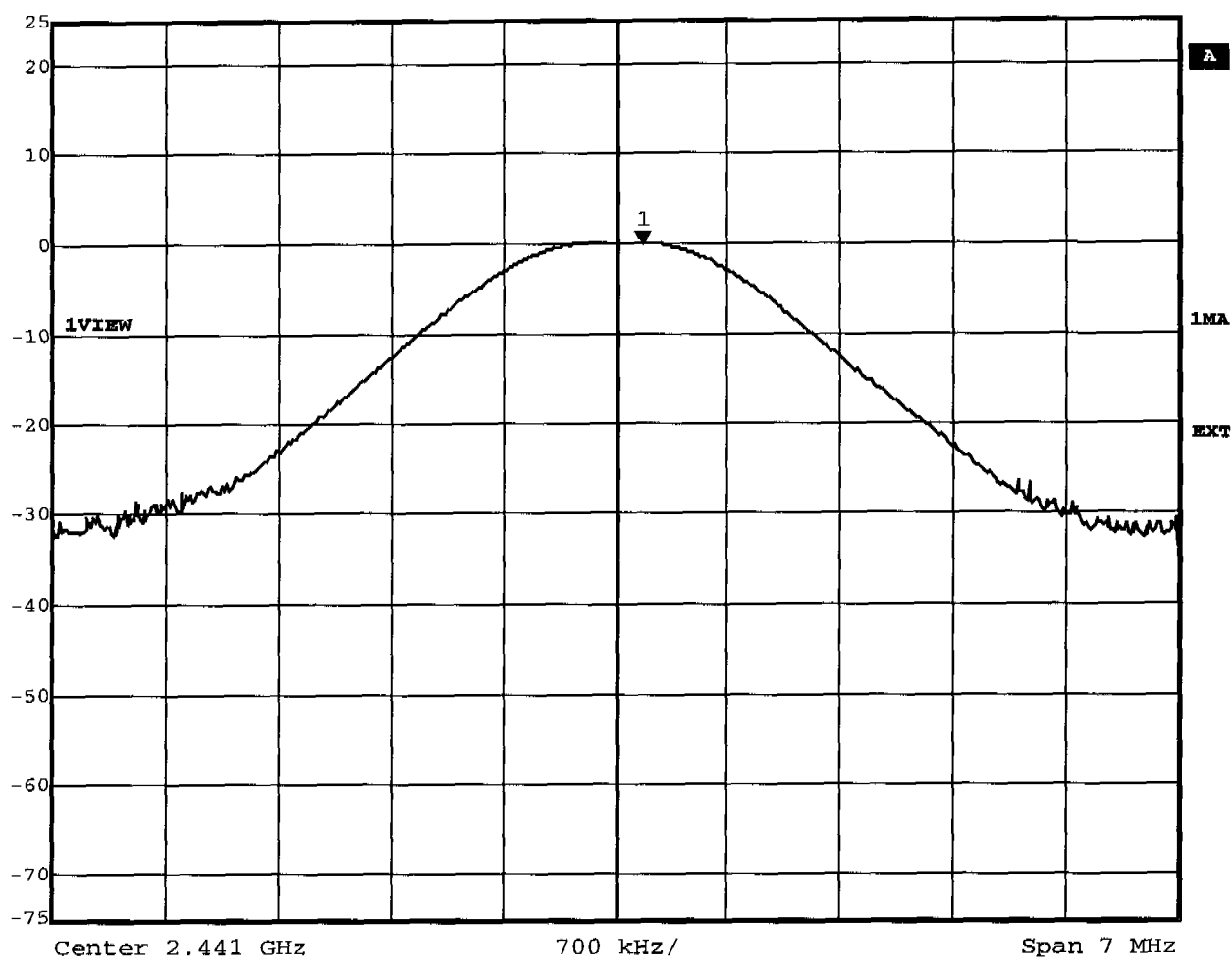
Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	50 dB
25 dBm	-0.48 dBm	VBW	1 MHz		
	2.40185271 GHz	SWT	5 ms	Unit	dBm



Title: Peak Output Power conducted Ch.: 0
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 08:49:45



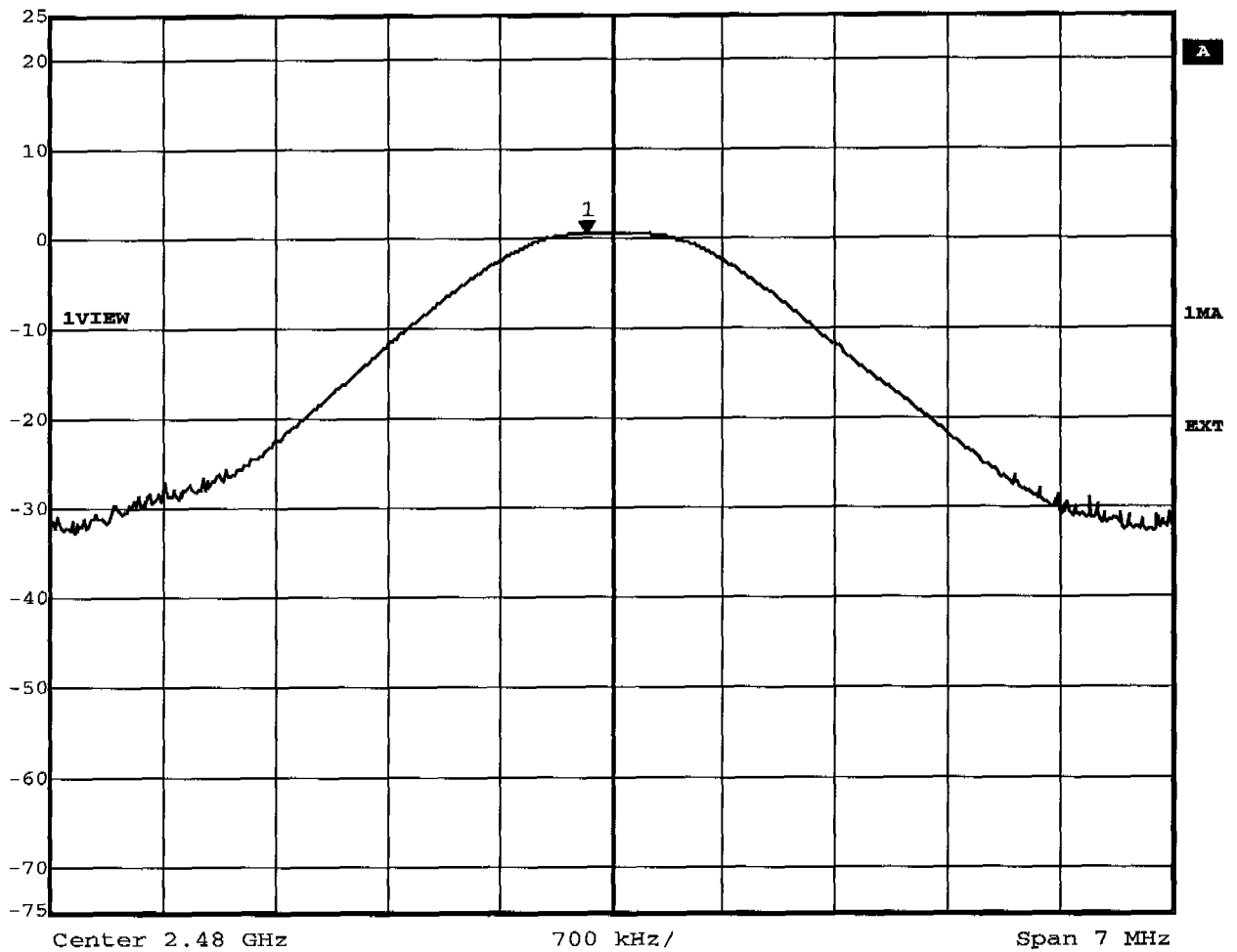
Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	50 dB
25 dBm	-0.09 dBm	VBW	1 MHz		
	2.44117535 GHz	SWT	5 ms	Unit	dBm



Title: Peak Output Power conducted Ch.: 39
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 08:51:04



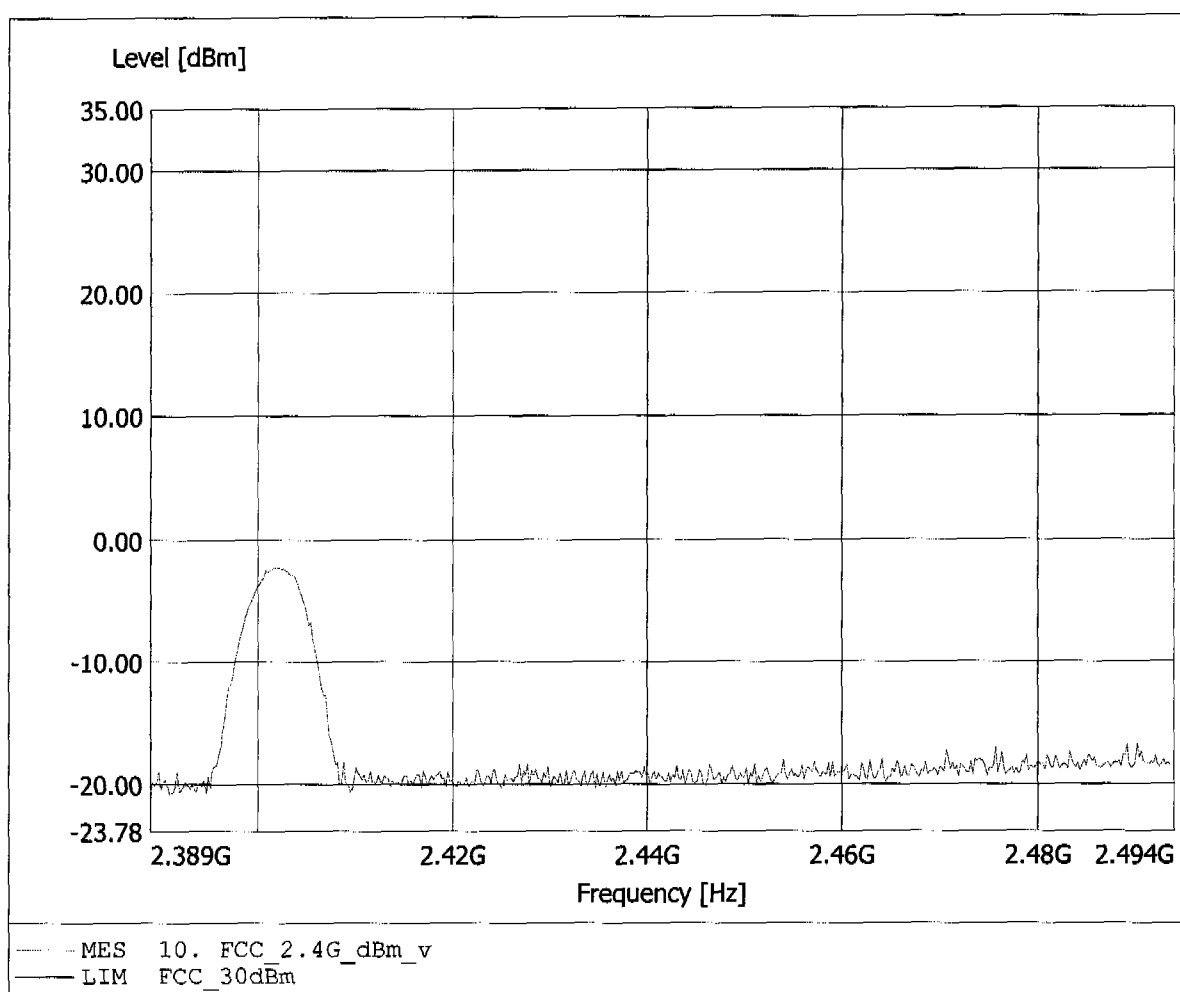
Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	50 dB
25 dBm	0.40 dBm	VBW	1 MHz		
	2.47985271 GHz	SWT	5 ms	Unit	dBm



Title: Peak Output Power conducted Ch.: 78
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 08:52:13

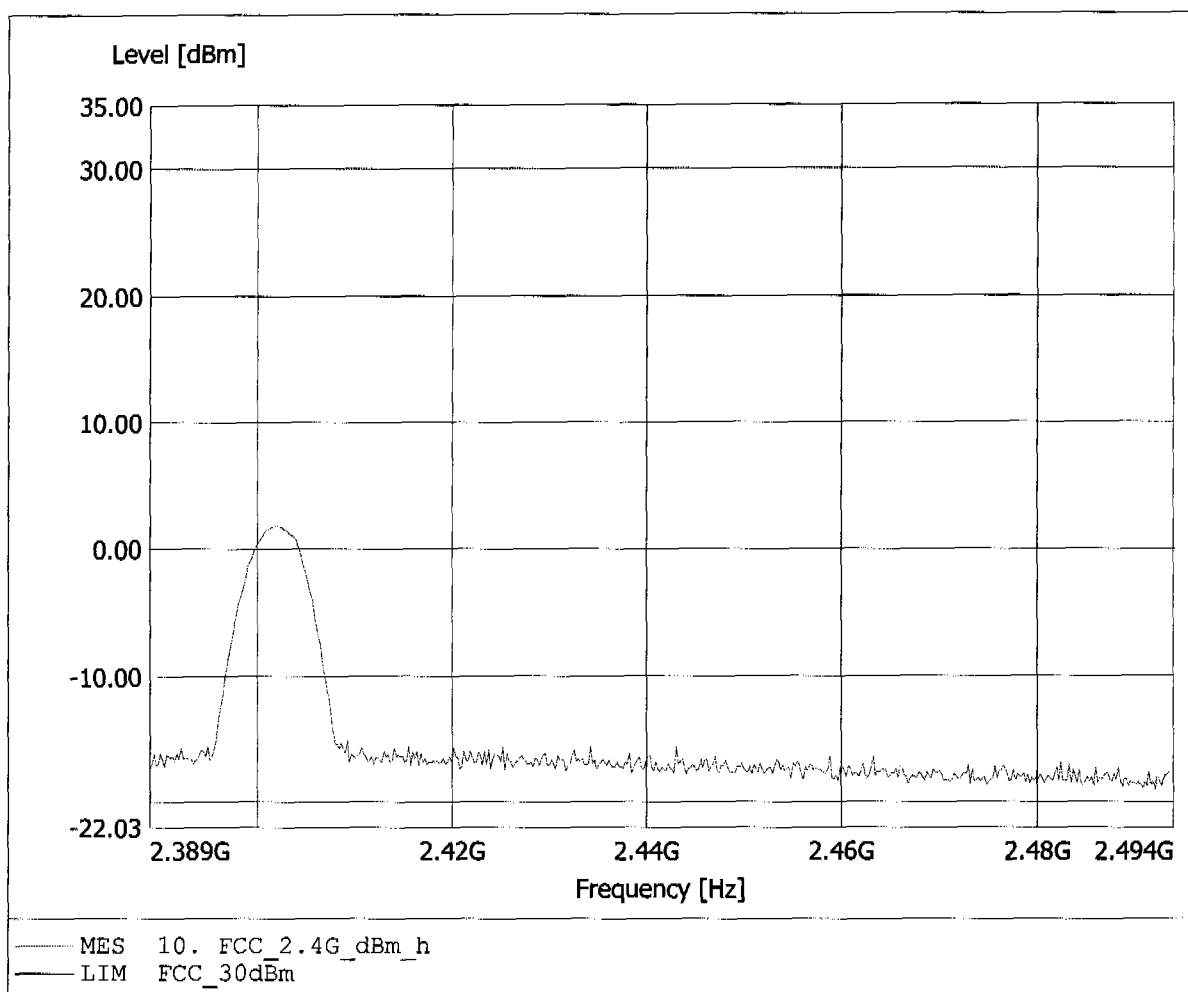
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -2.26dBm, RBW: 5MHz



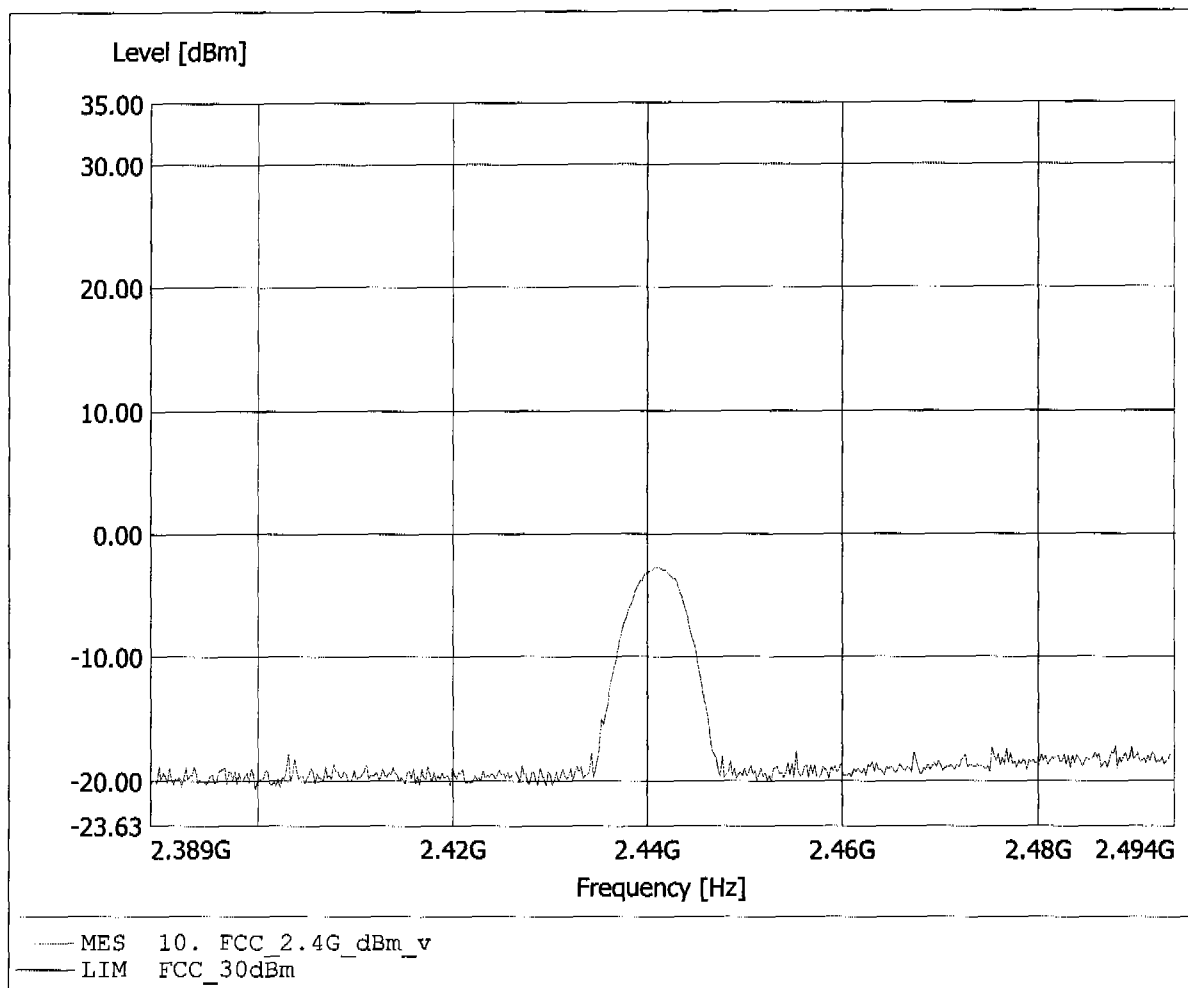
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 1.77dBm, RBW: 5MHz



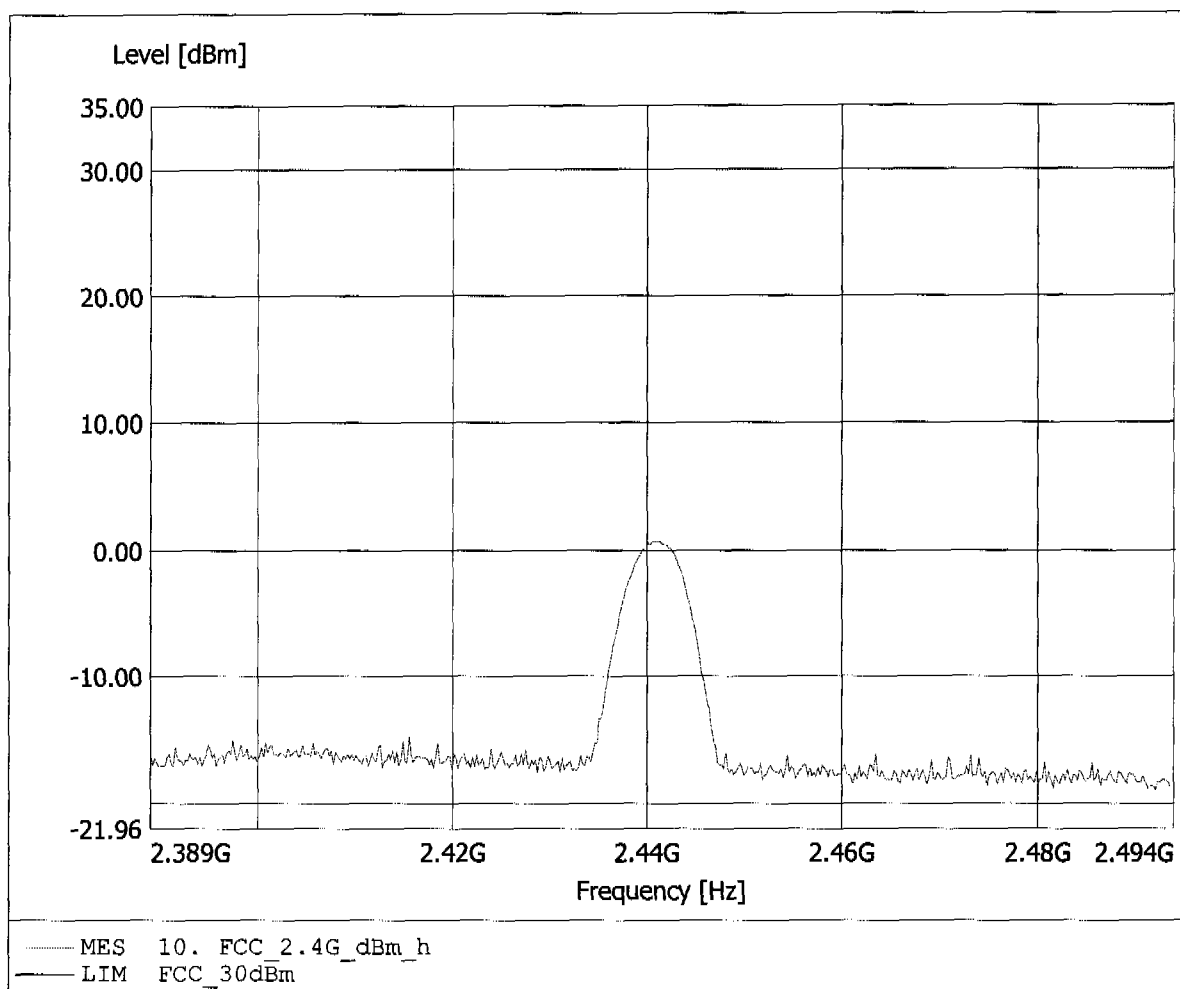
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -2.78dBm, RBW: 5MHz



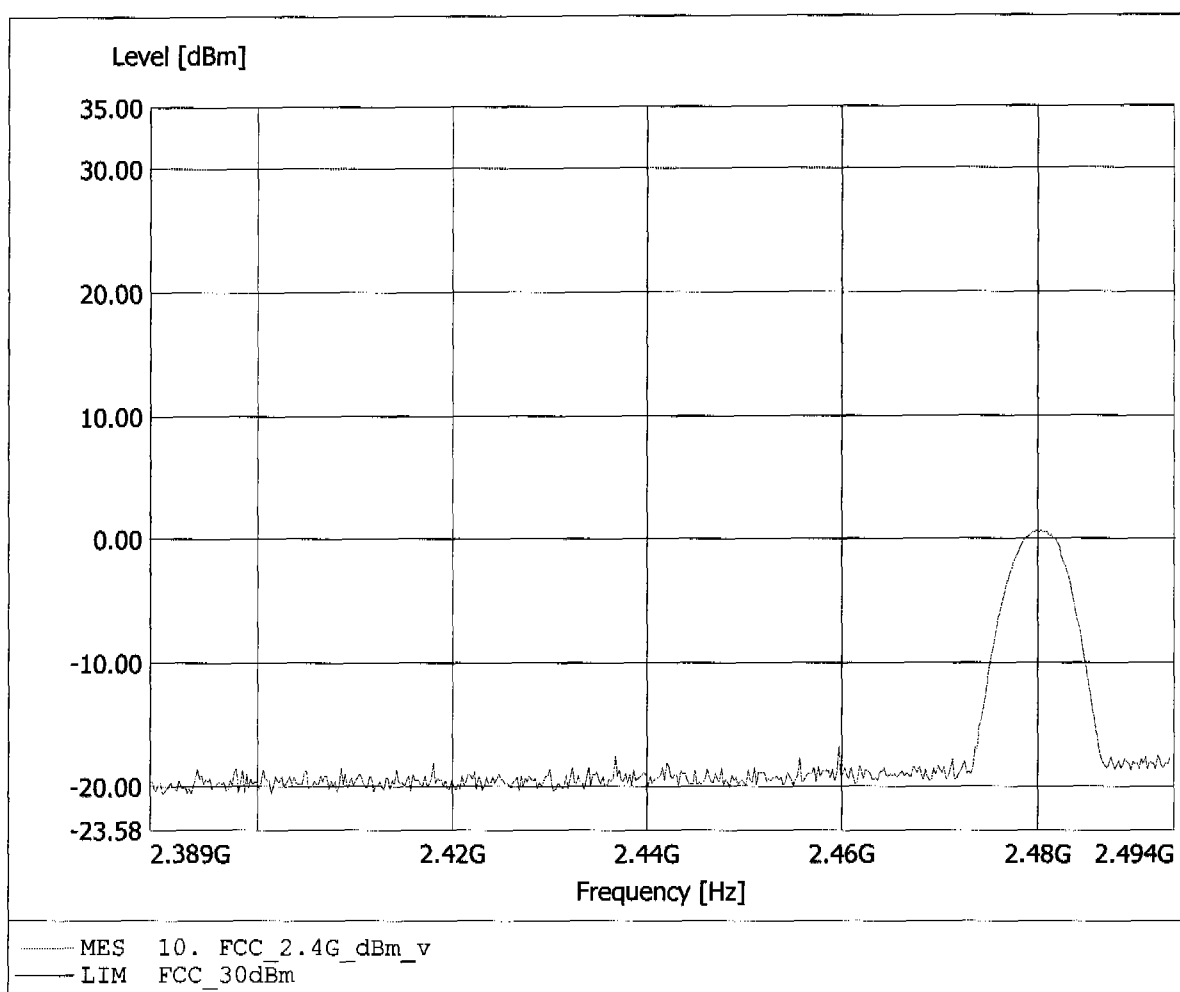
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 0.74dBm, RBW: 5MHz



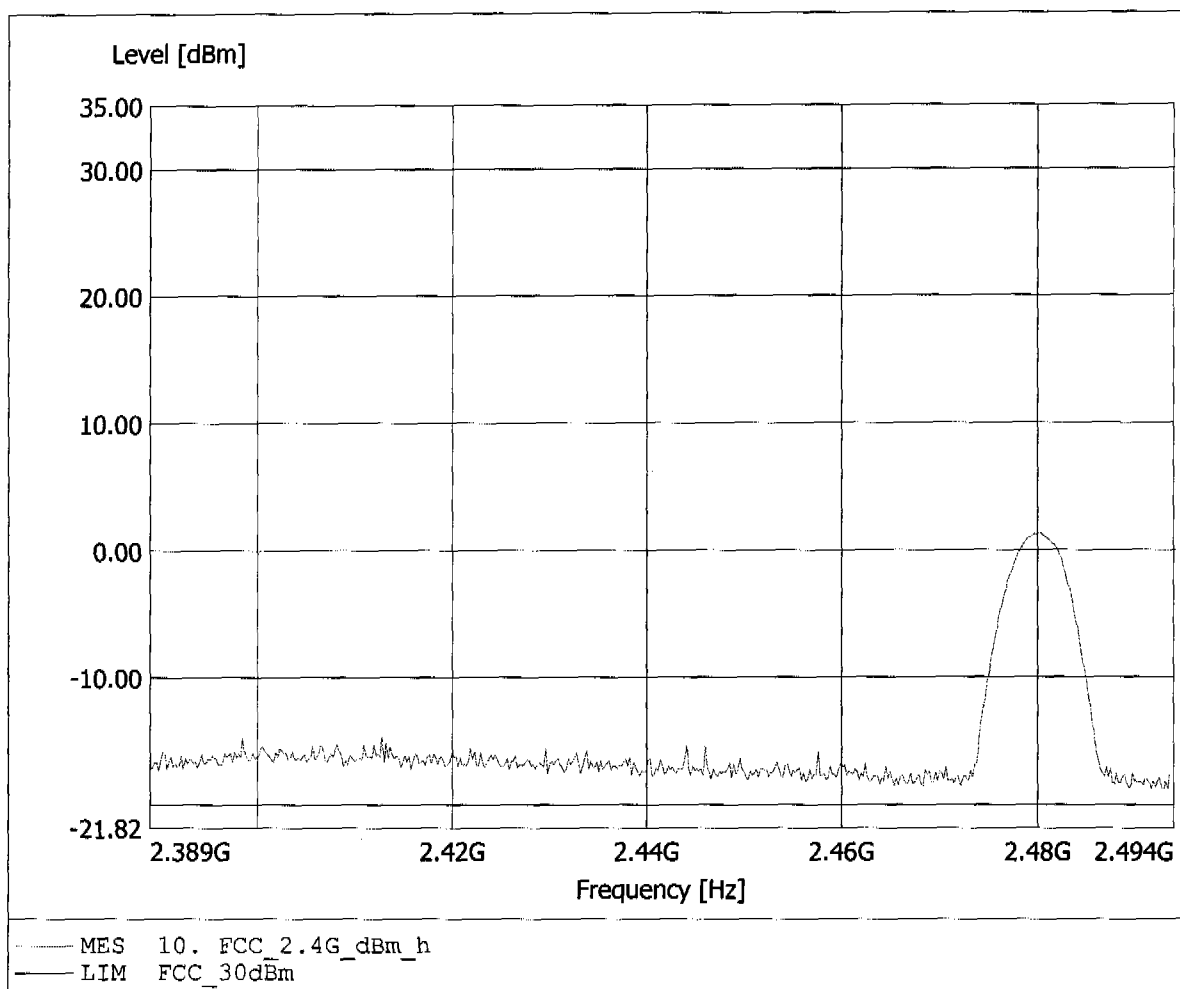
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 0.66dBm, RBW: 5MHz



Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 1.34dBm, RBW: 5MHz

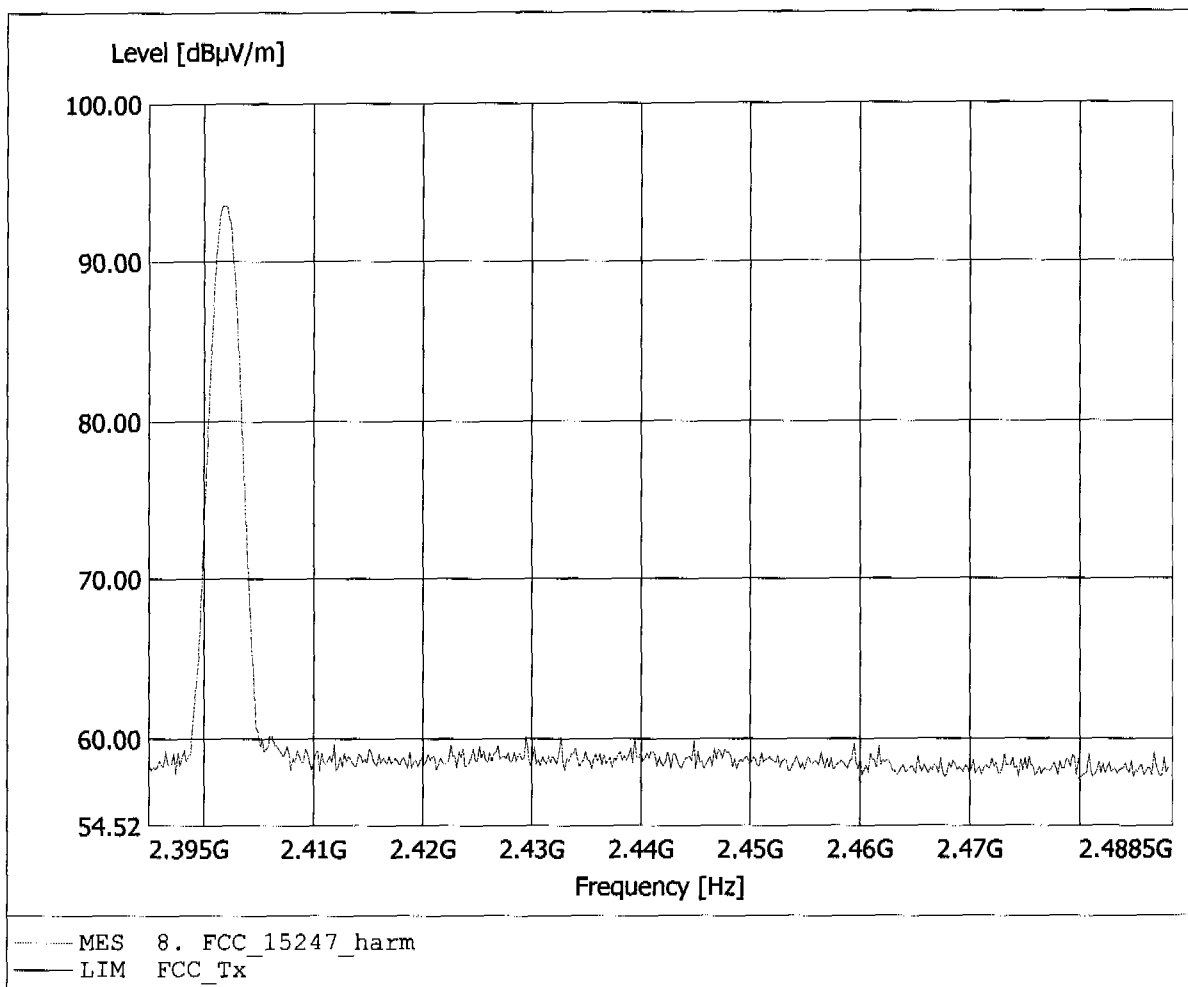


Appendix C

Spurious Emissions radiated - Transmitter operating

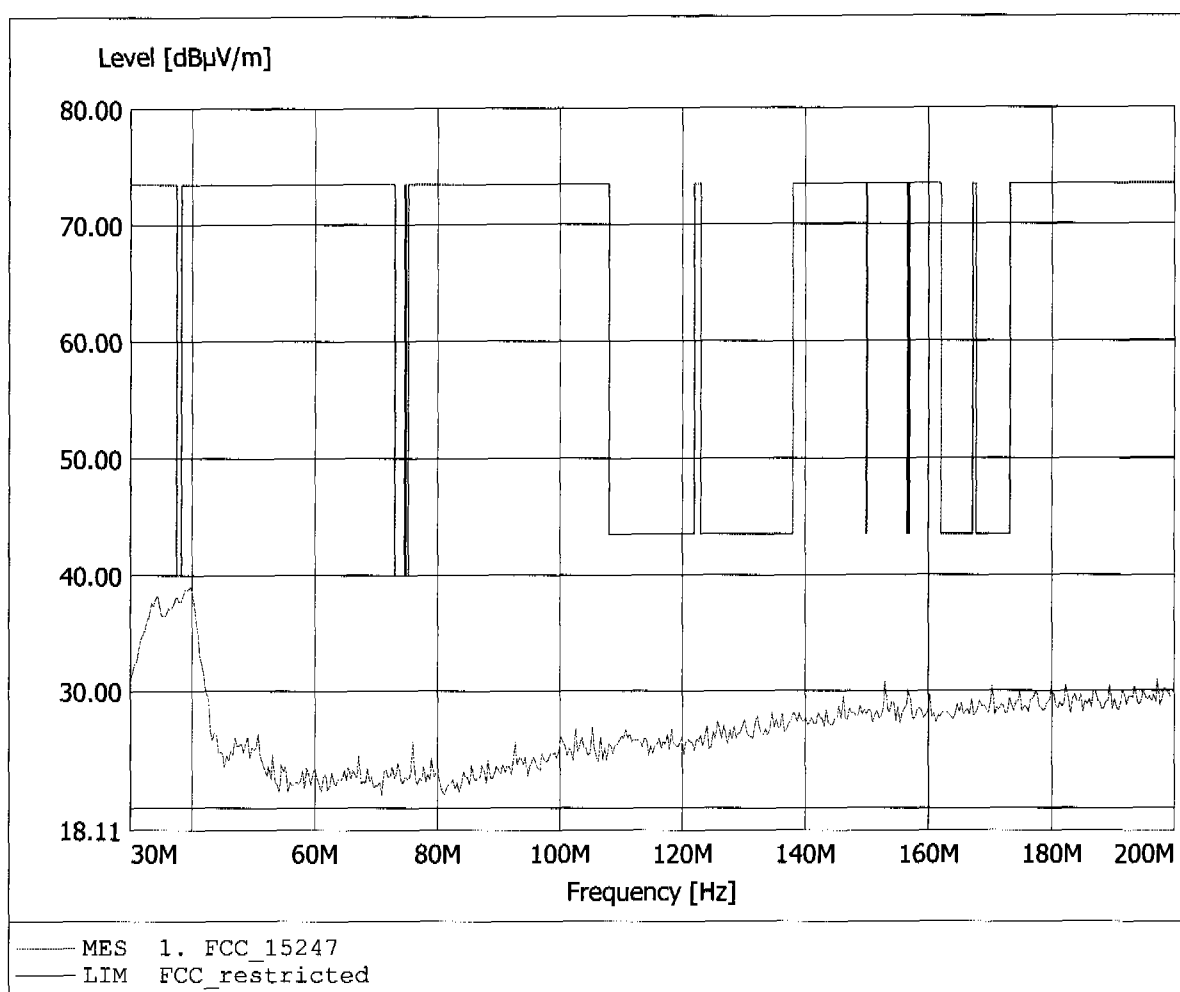
Carrier power (Field Strength)
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Emax: 93.48dBµV/m, RBW: 1MHz



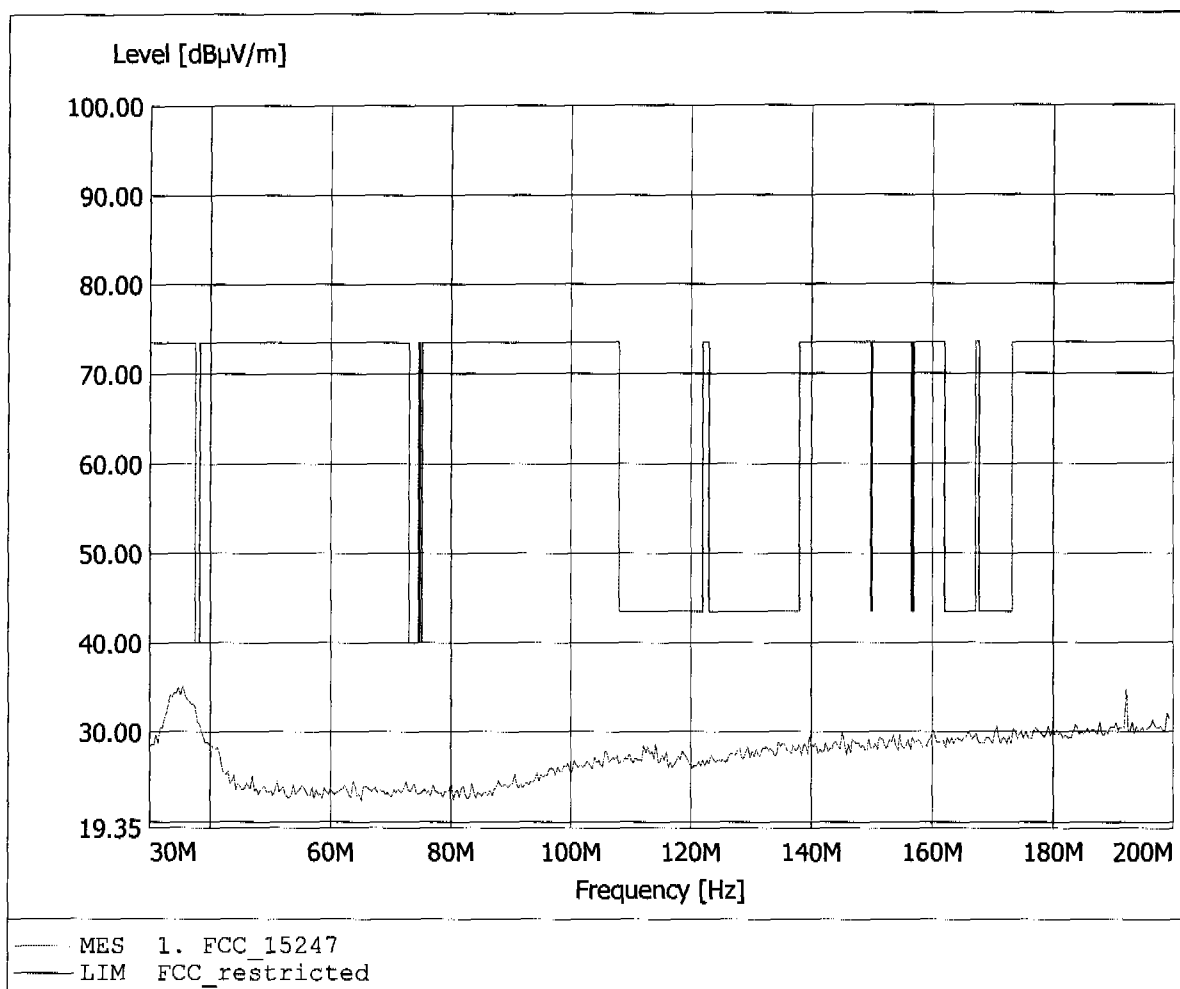
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 39.880MHz, Emax: 39.00dBµV/m, RBW: 100kHz



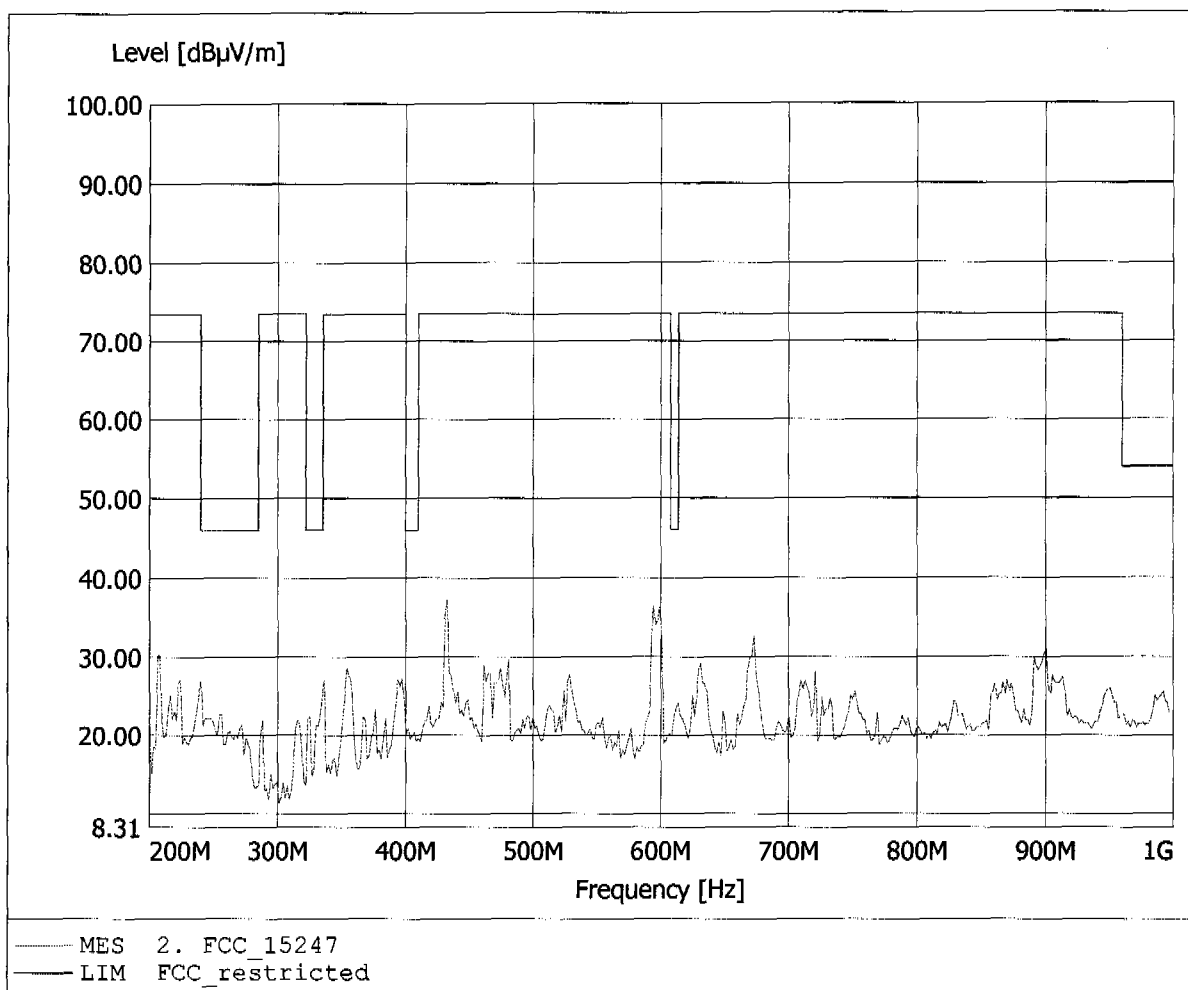
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 35.451MHz, Emax: 35.11dBµV/m, RBW: 100kHz



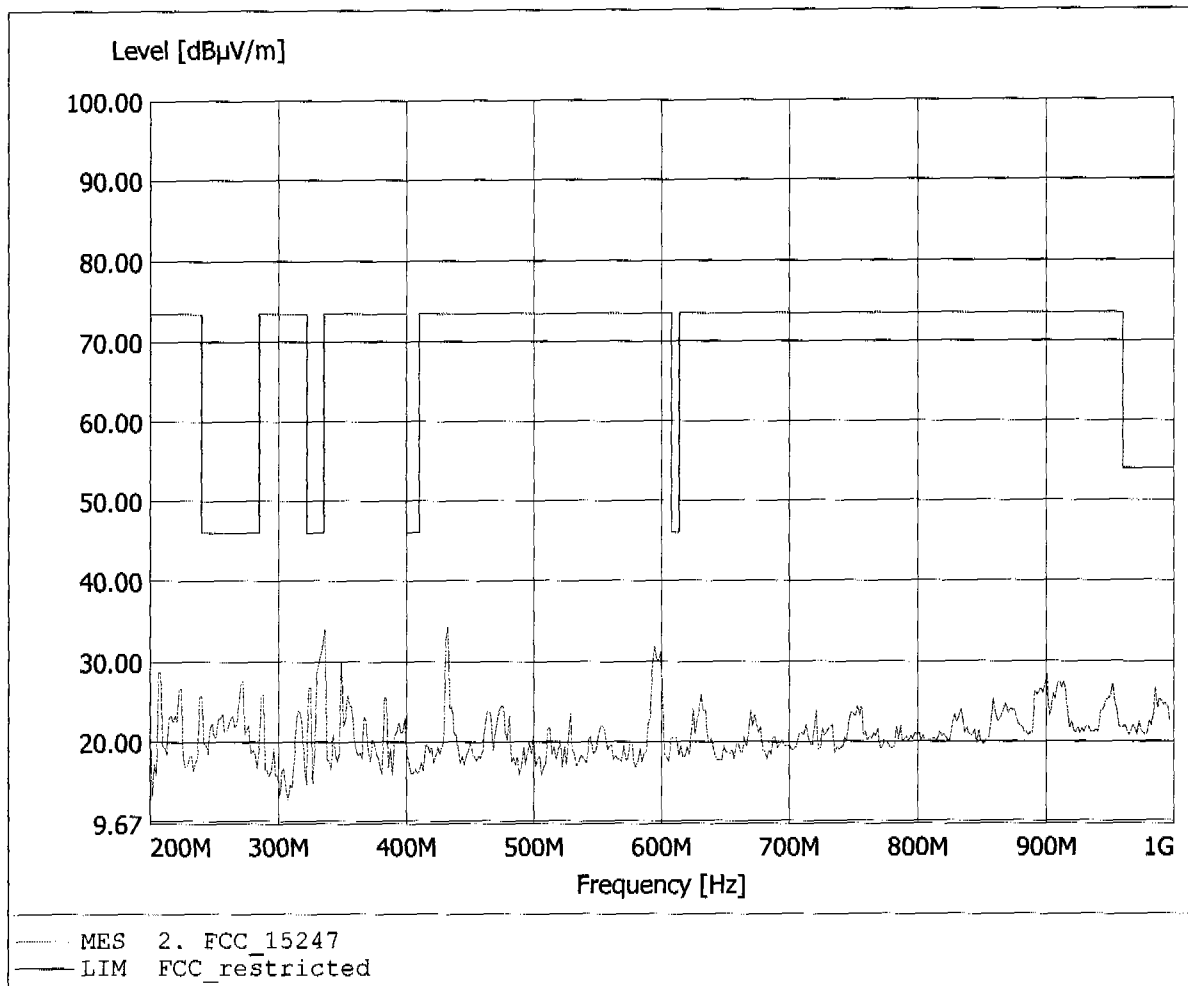
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 37.28dBµV/m, RBW: 100kHz



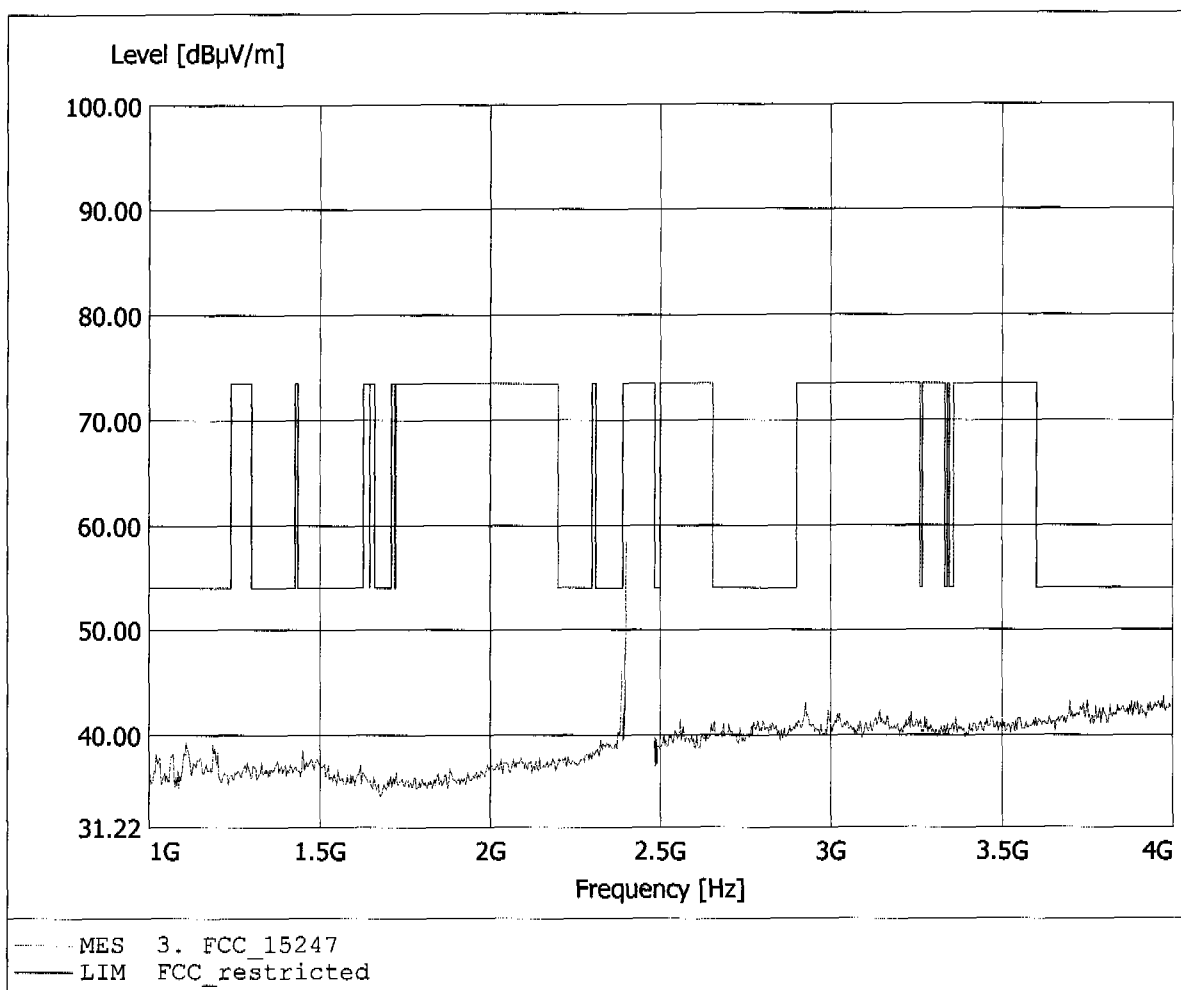
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 34.31dBµV/m, RBW: 100kHz



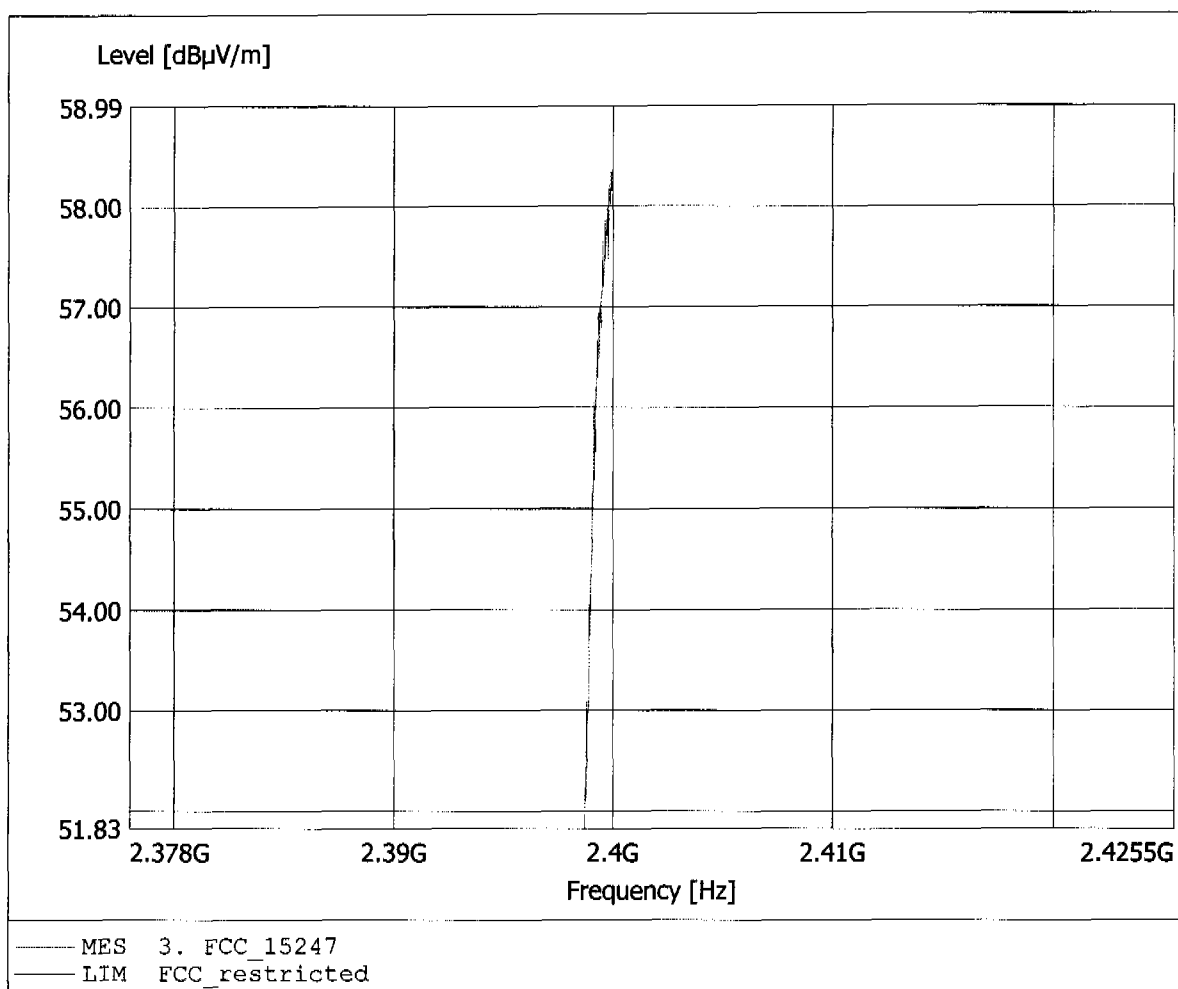
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 58.36dBμV/m, RBW: 1MHz



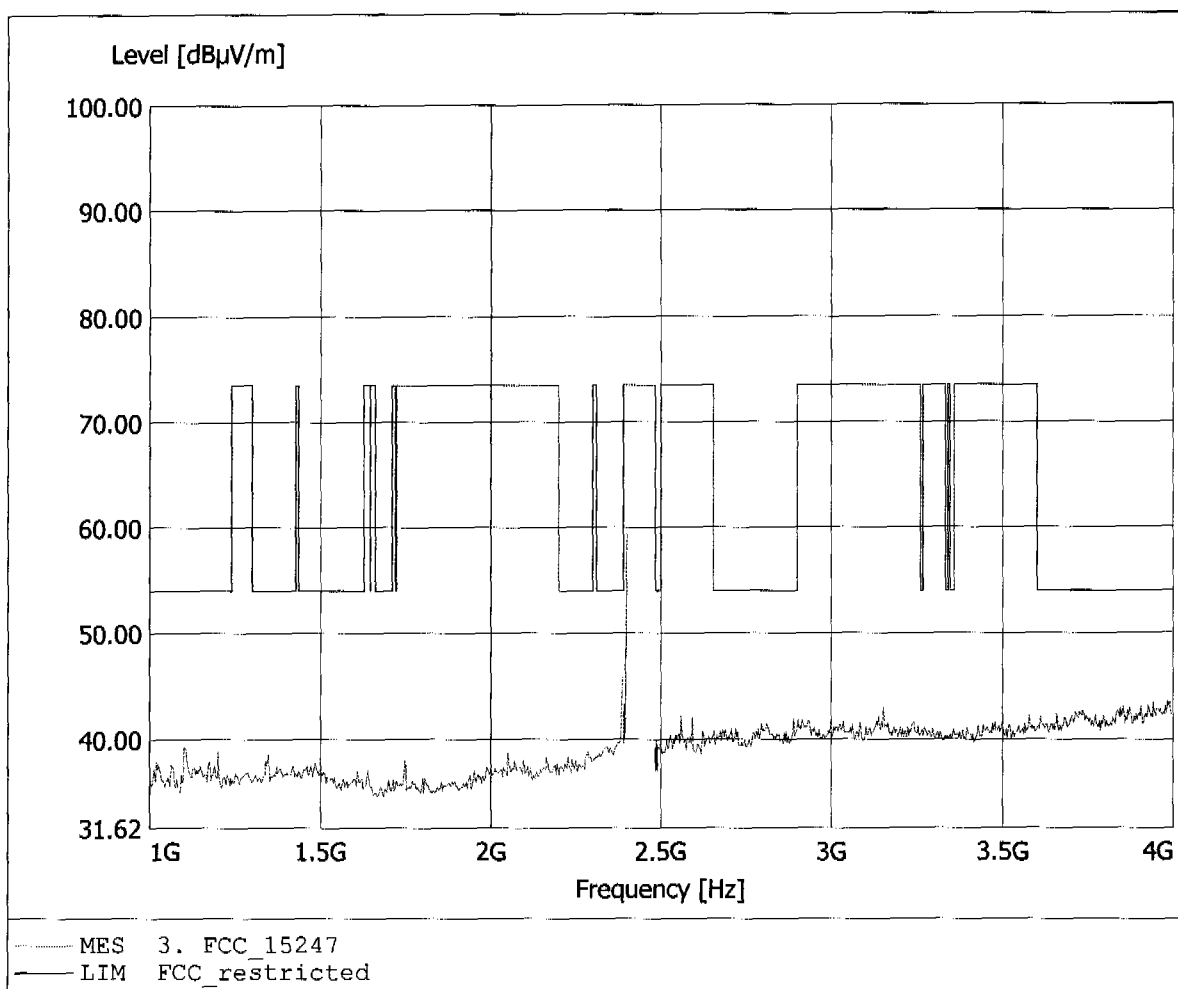
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 58.36dBµV/m, RBW: 1MHz



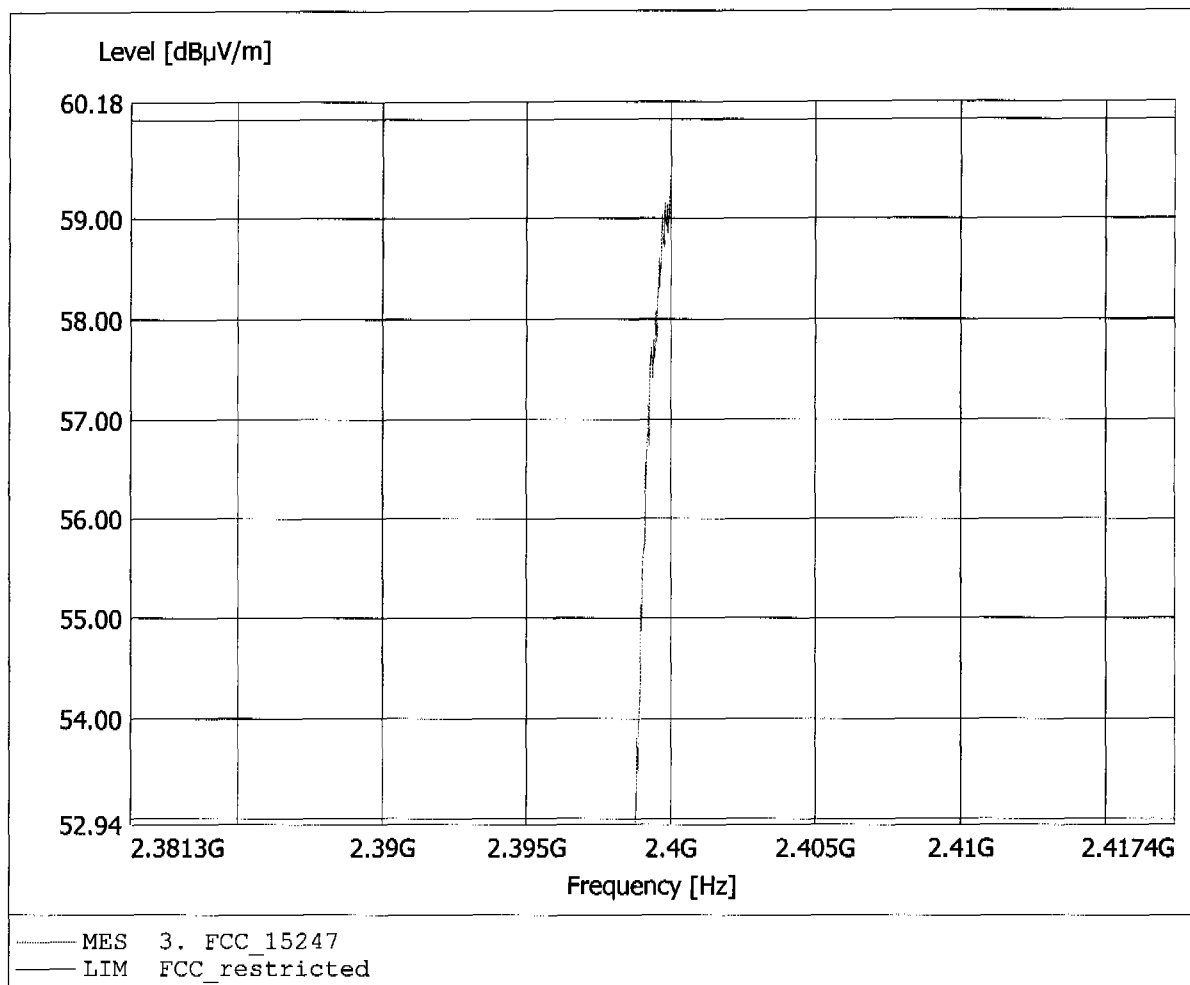
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 59.42dBμV/m, RBW: 1MHz



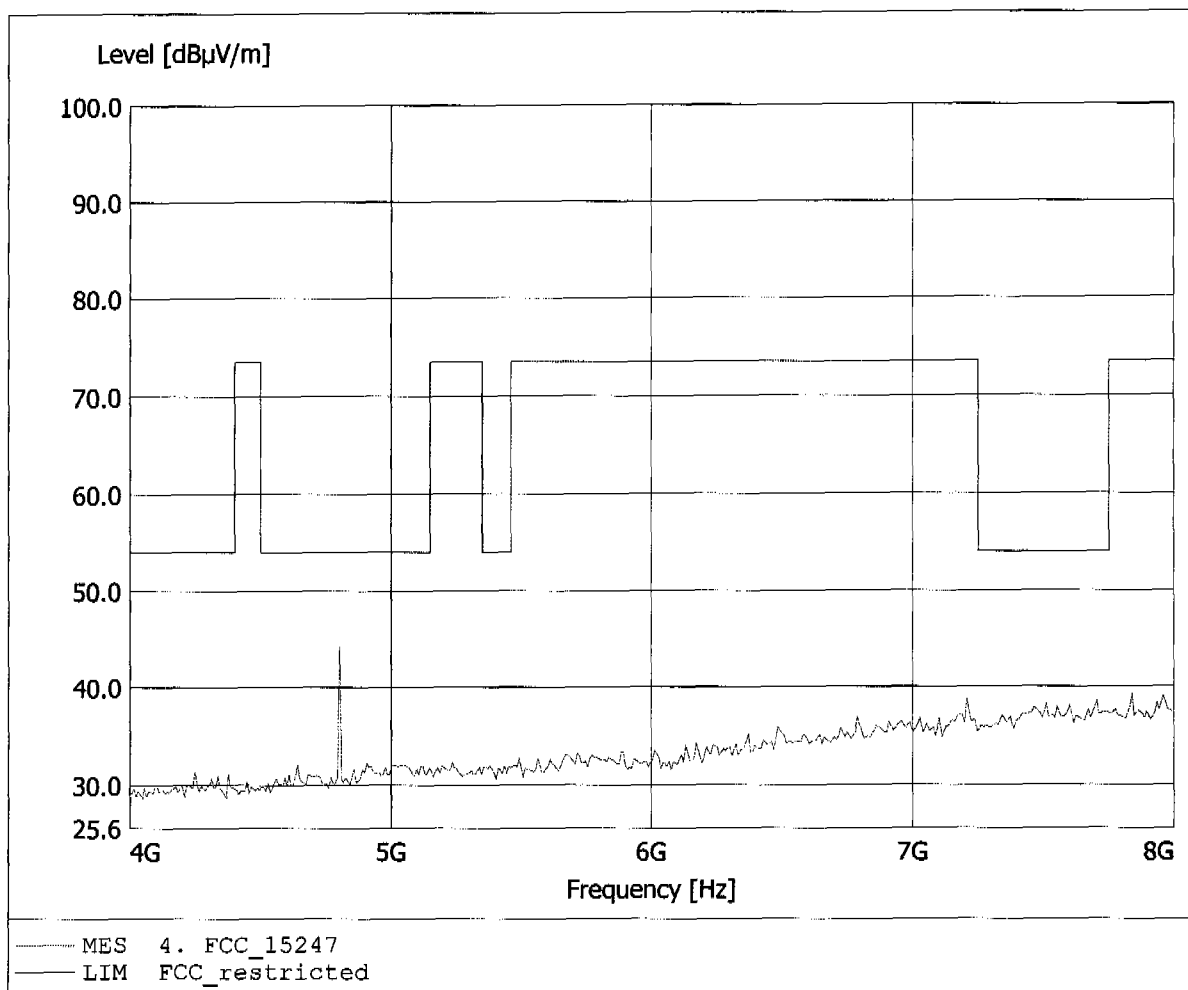
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 59.42dBμV/m, RBW: 1MHz



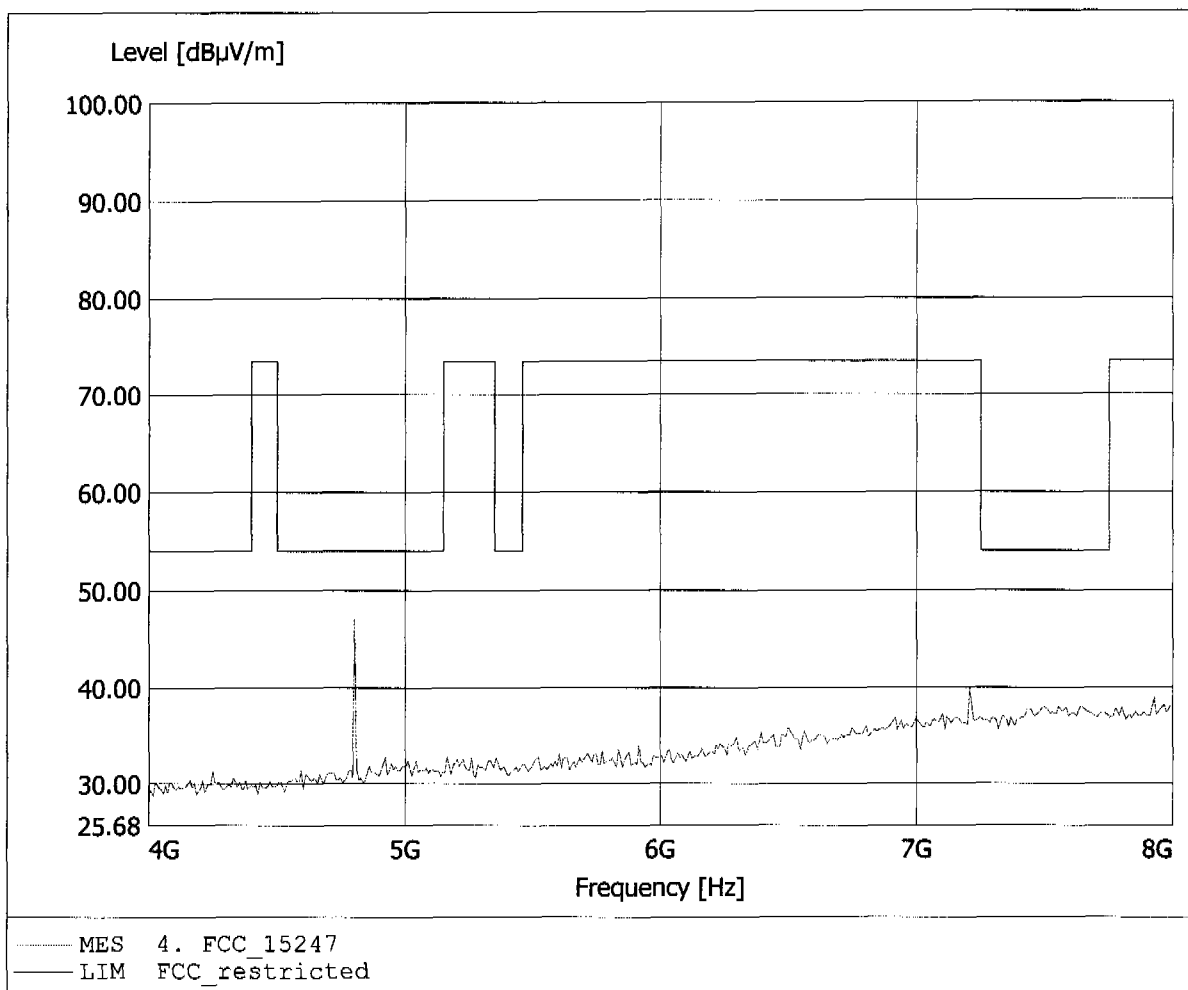
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 44.50dBµV/m, RBW: 1MHz



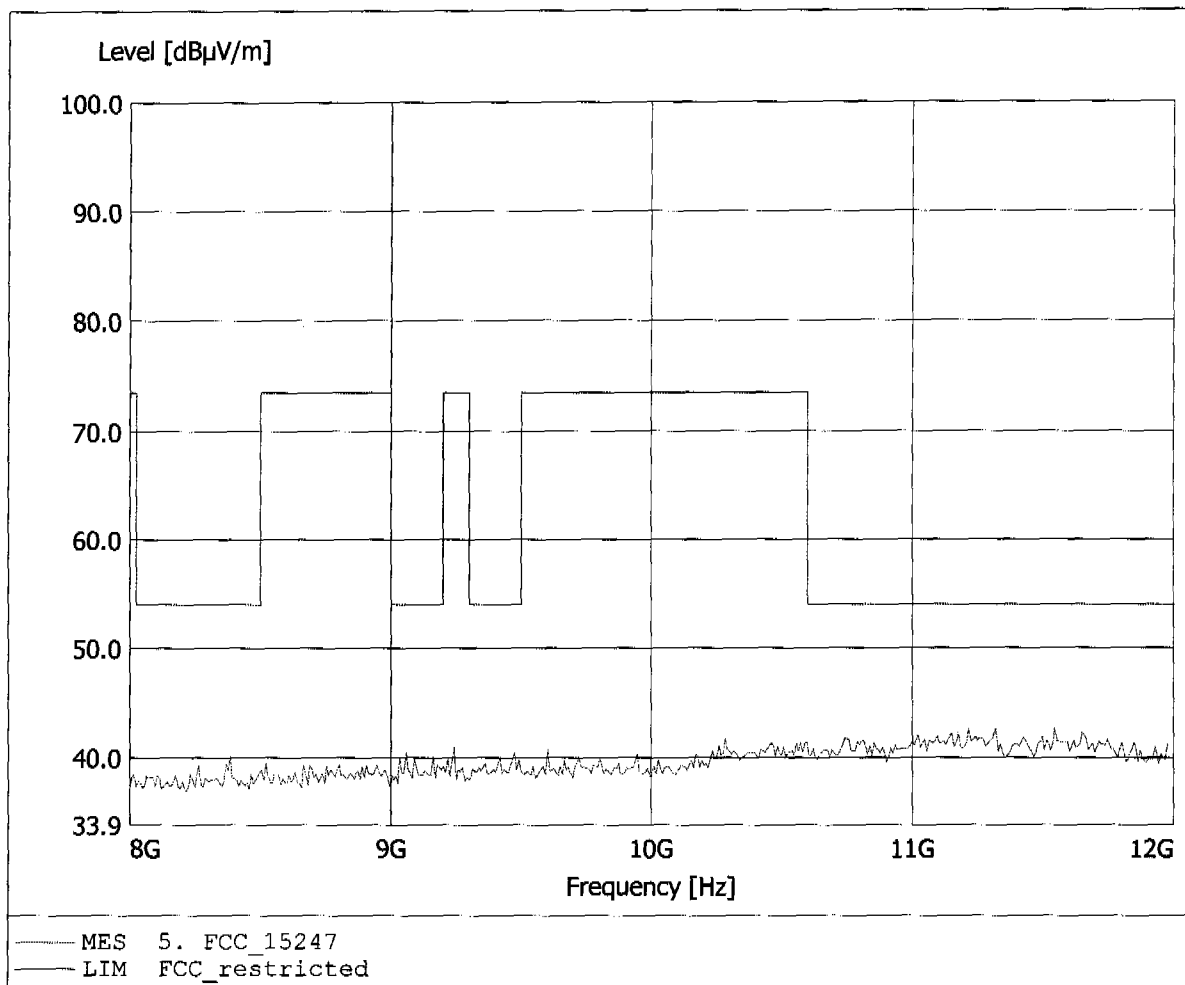
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 47.04dBµV/m, RBW: 1MHz



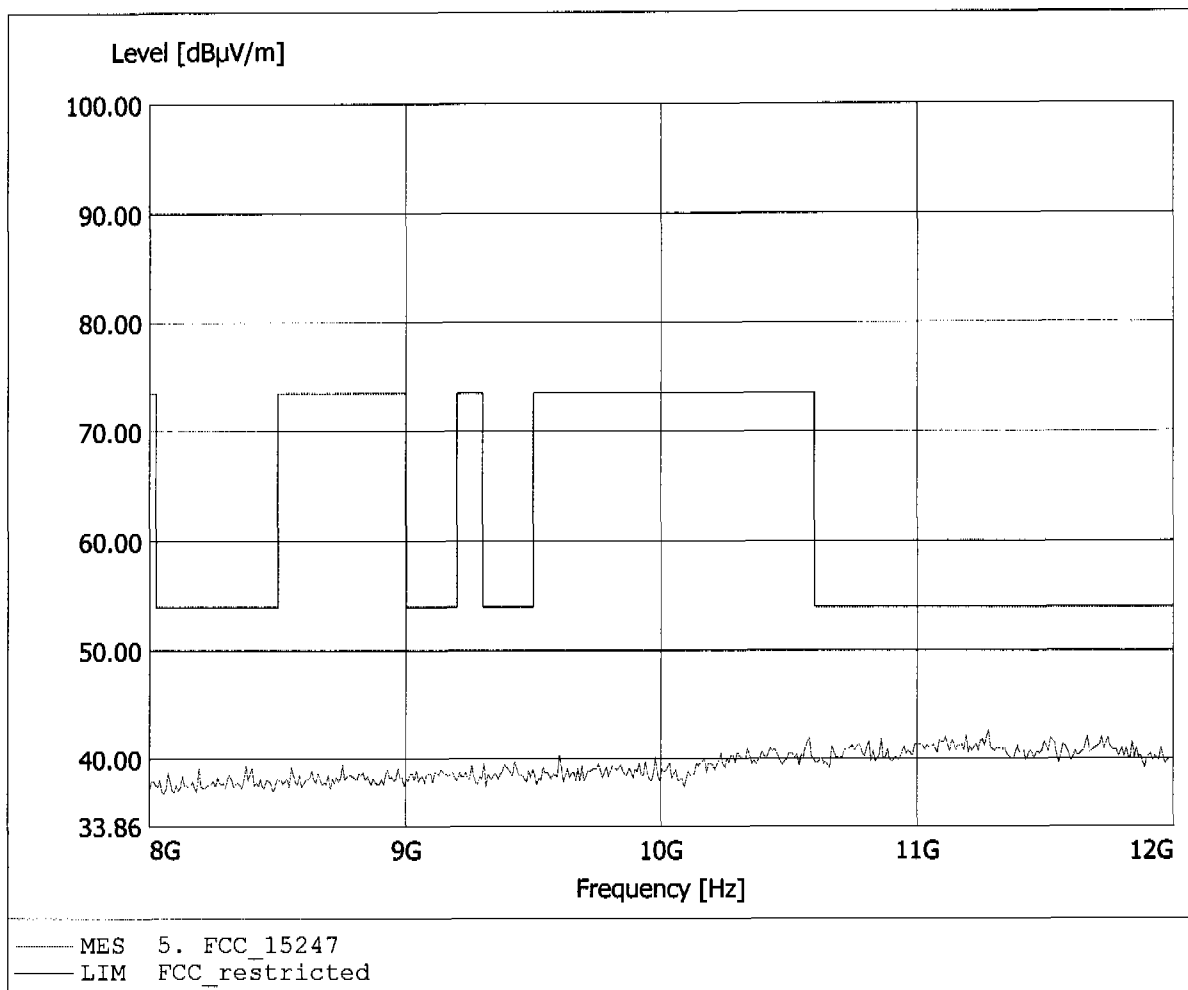
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.543GHz, Emax: 42.64dBμV/m, RBW: 1MHz



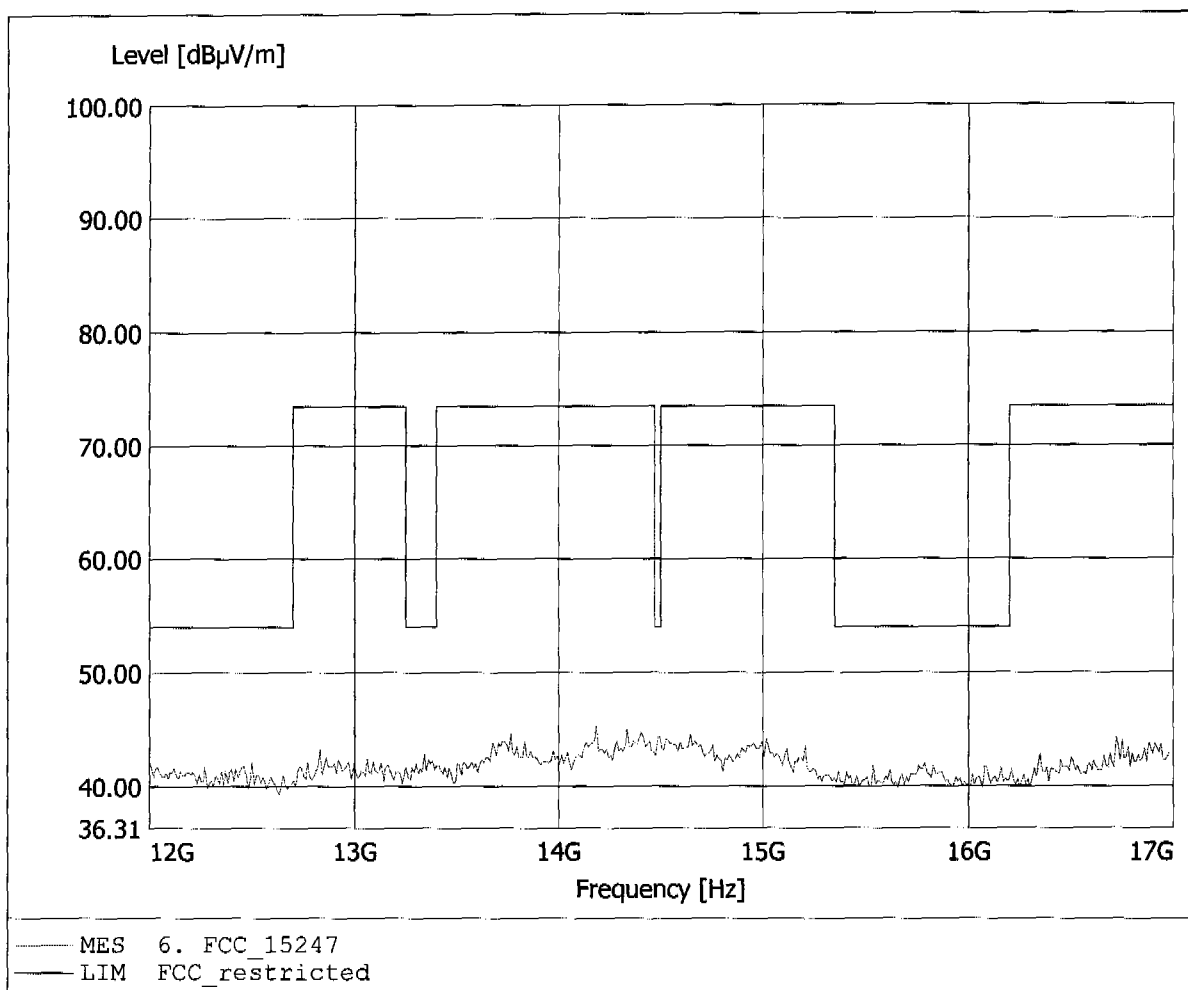
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.279GHz, Emax: 42.70dBµV/m, RBW: 1MHz



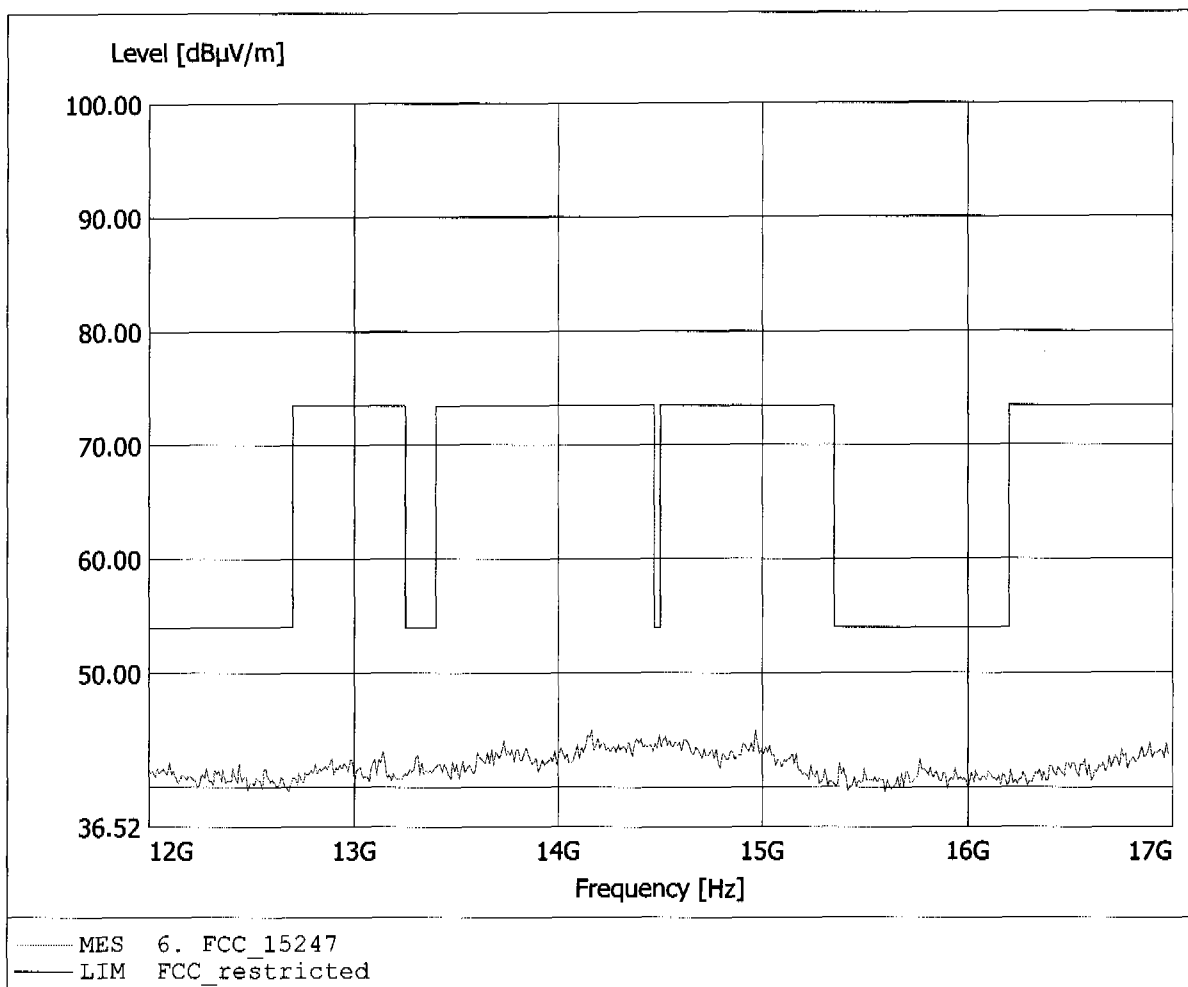
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.184GHz, Emax: 45.26dBμV/m, RBW: 1MHz



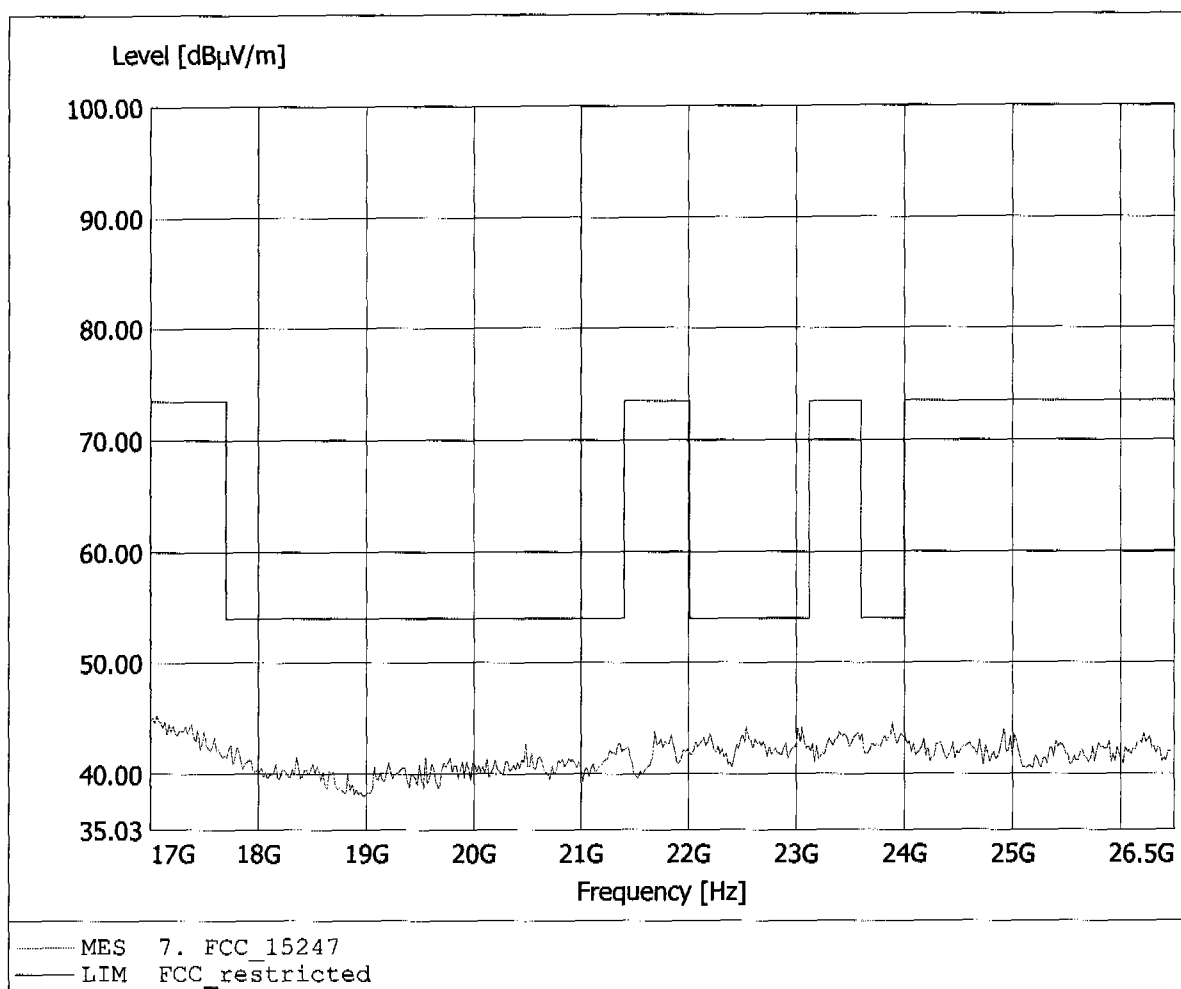
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.164GHz, Emax: 45.02dBμV/m, RBW: 1MHz



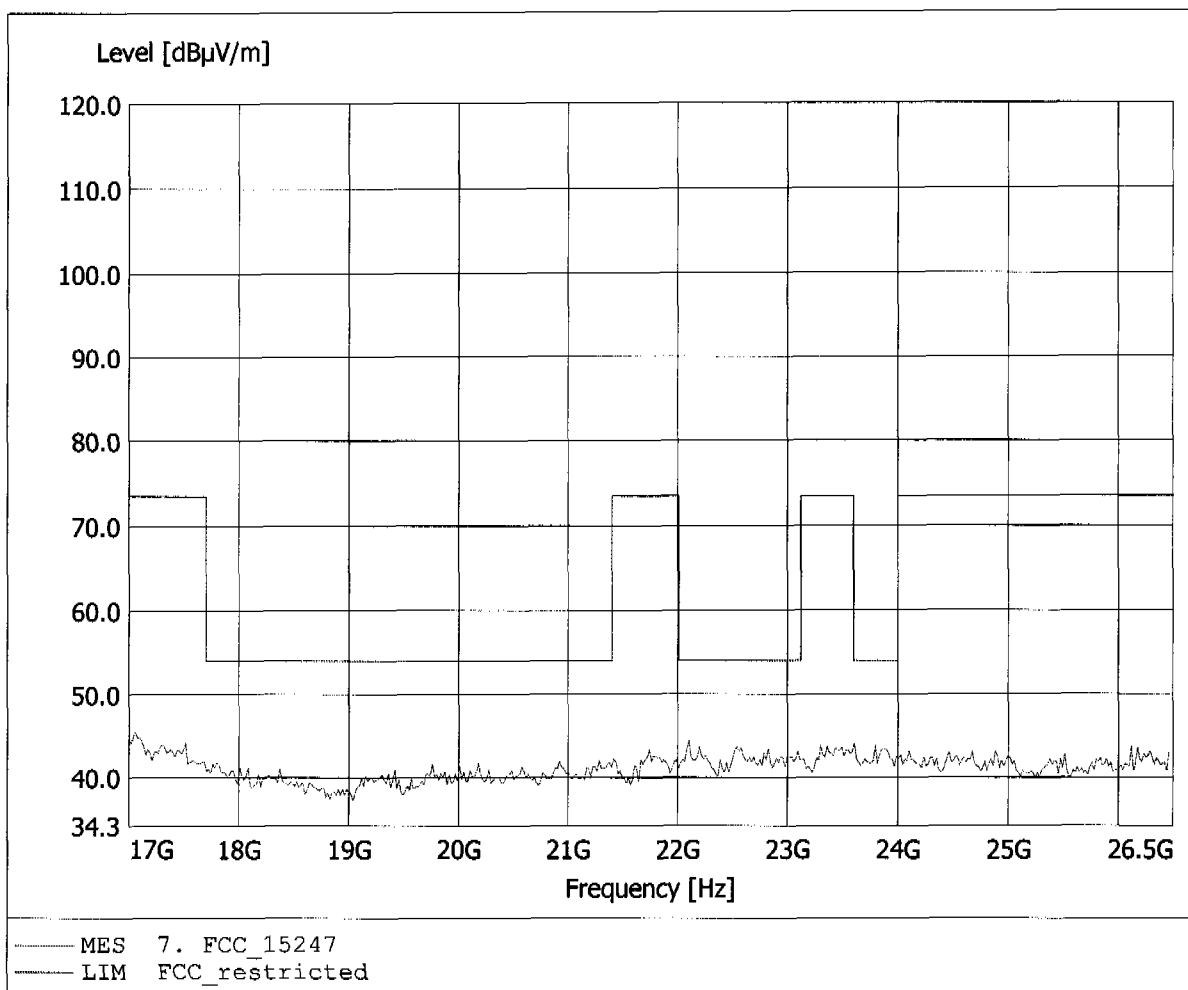
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.057GHz, Emax: 45.22dBµV/m, RBW: 1MHz



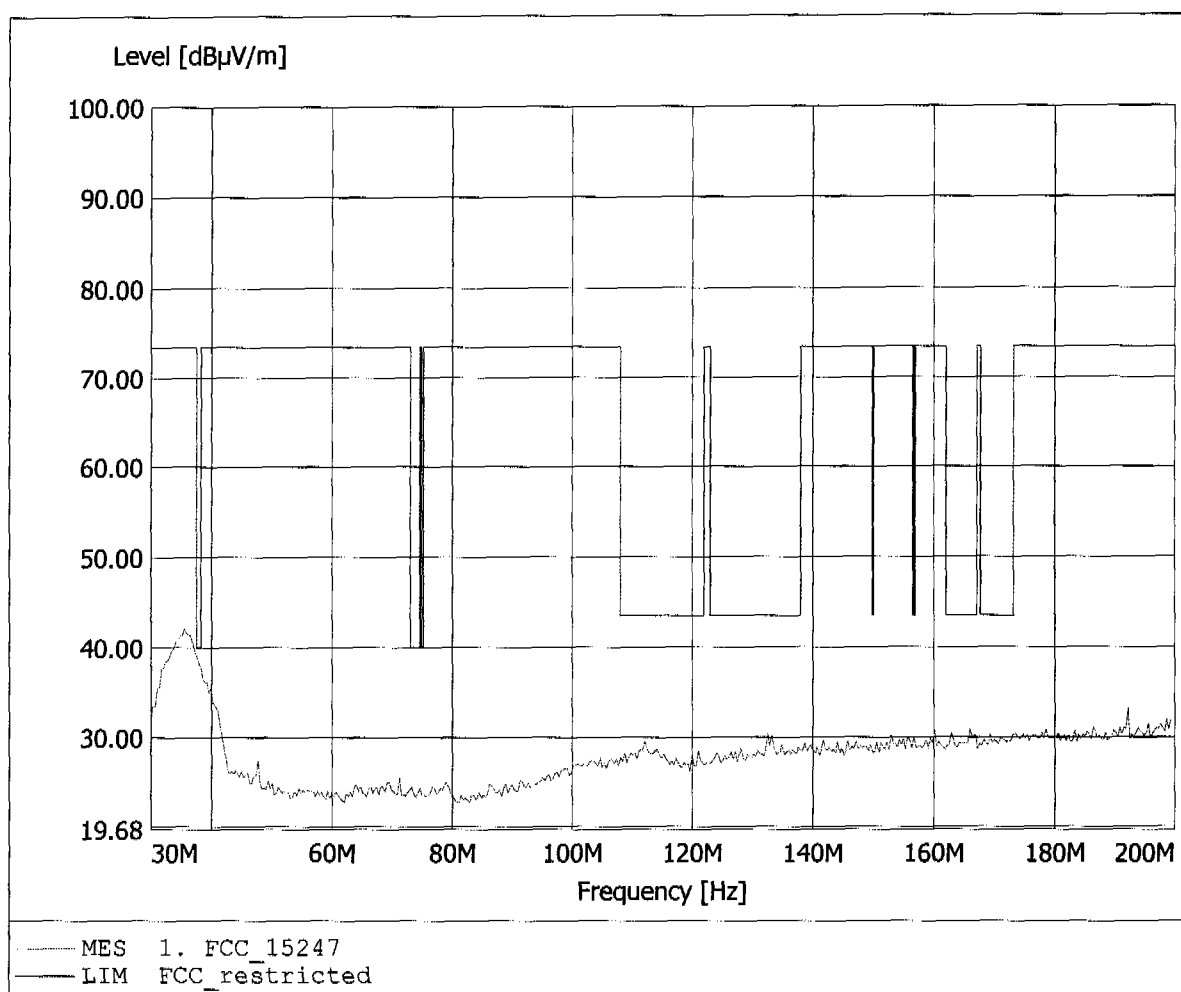
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2402 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.057GHz, Emax: 45.51dBµV/m, RBW: 1MHz



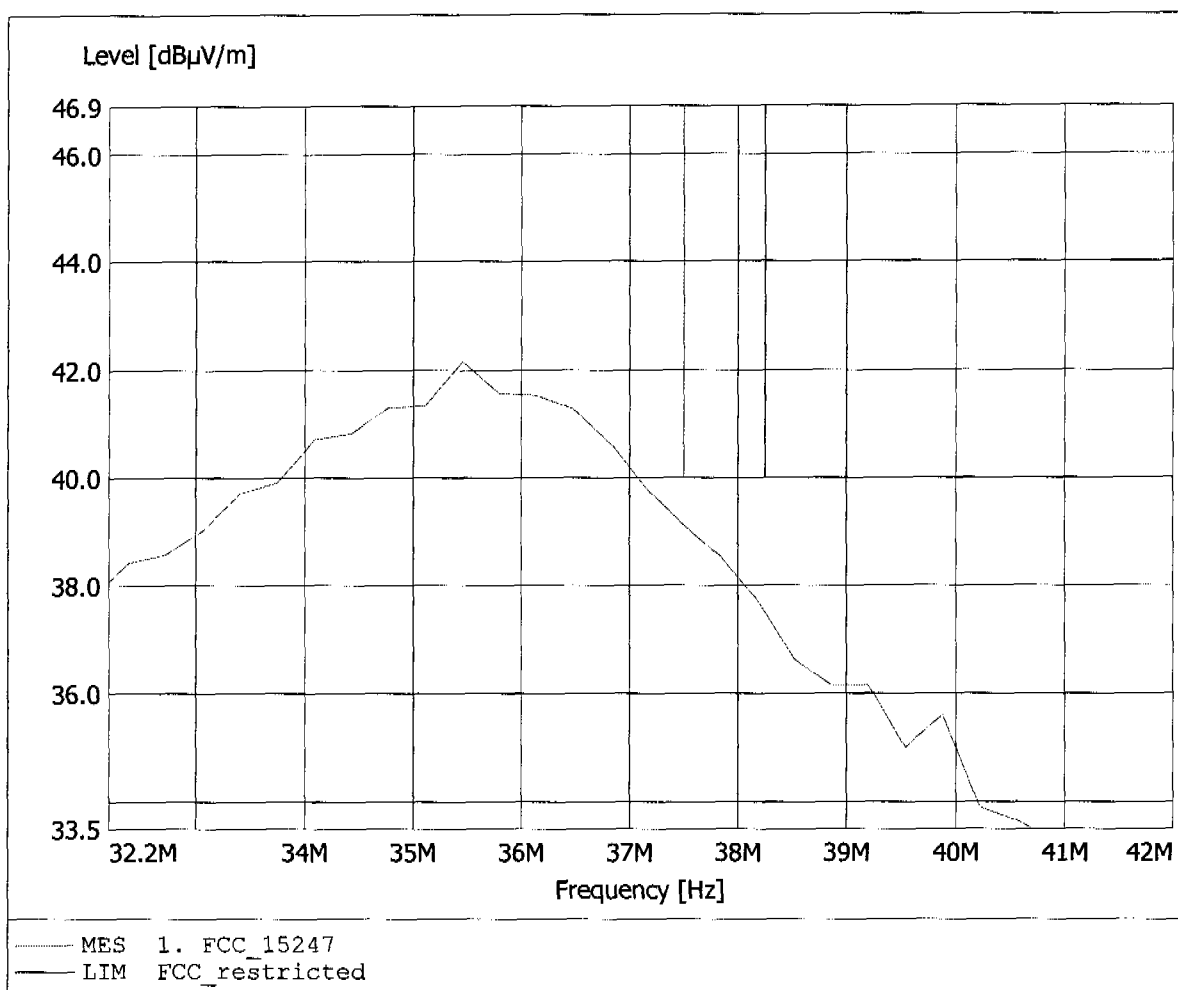
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 35.451MHz, Emax: 42.16dBµV/m, RBW: 100kHz



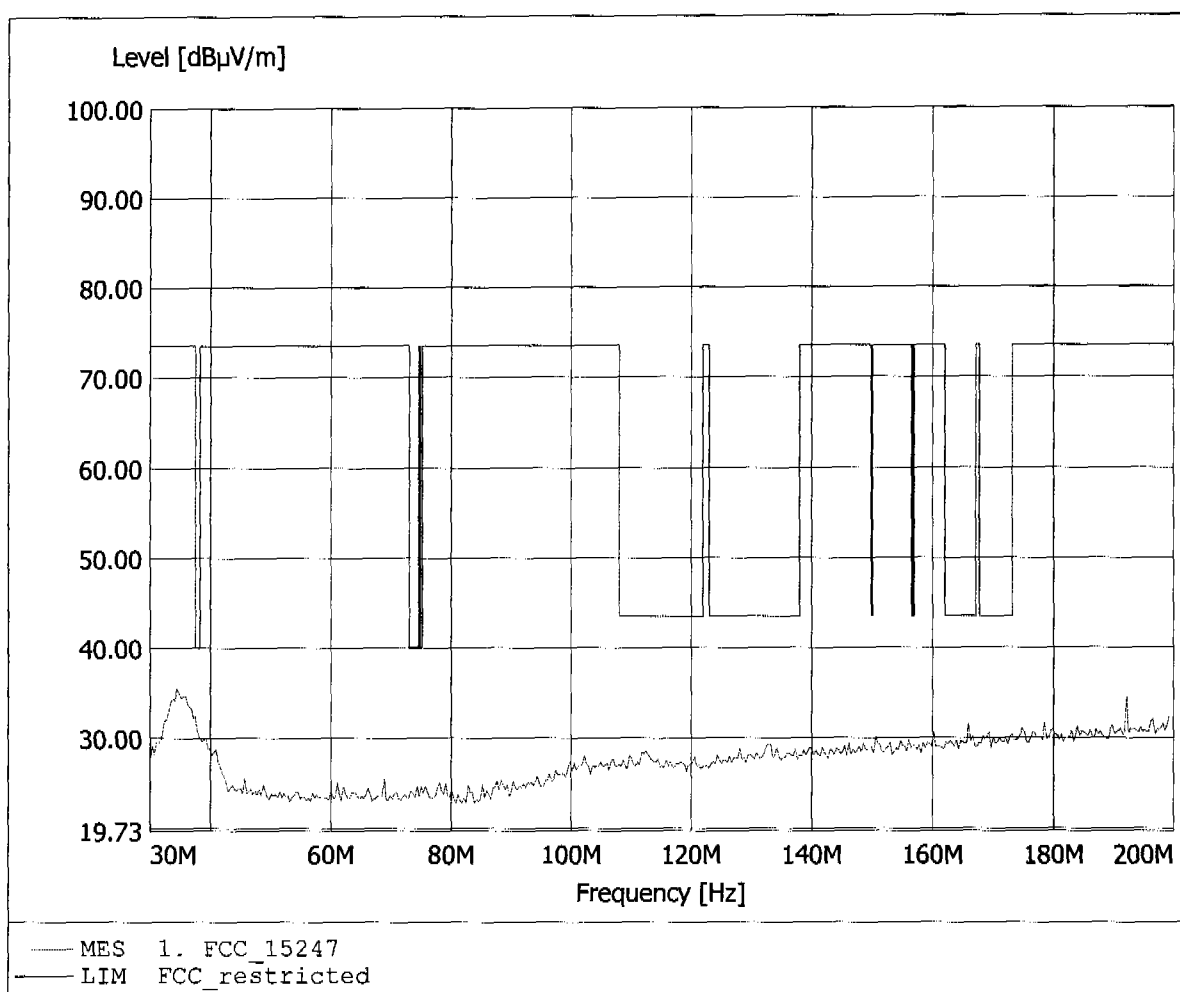
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 35.451MHz, Emax: 42.16dBµV/m, RBW: 100kHz



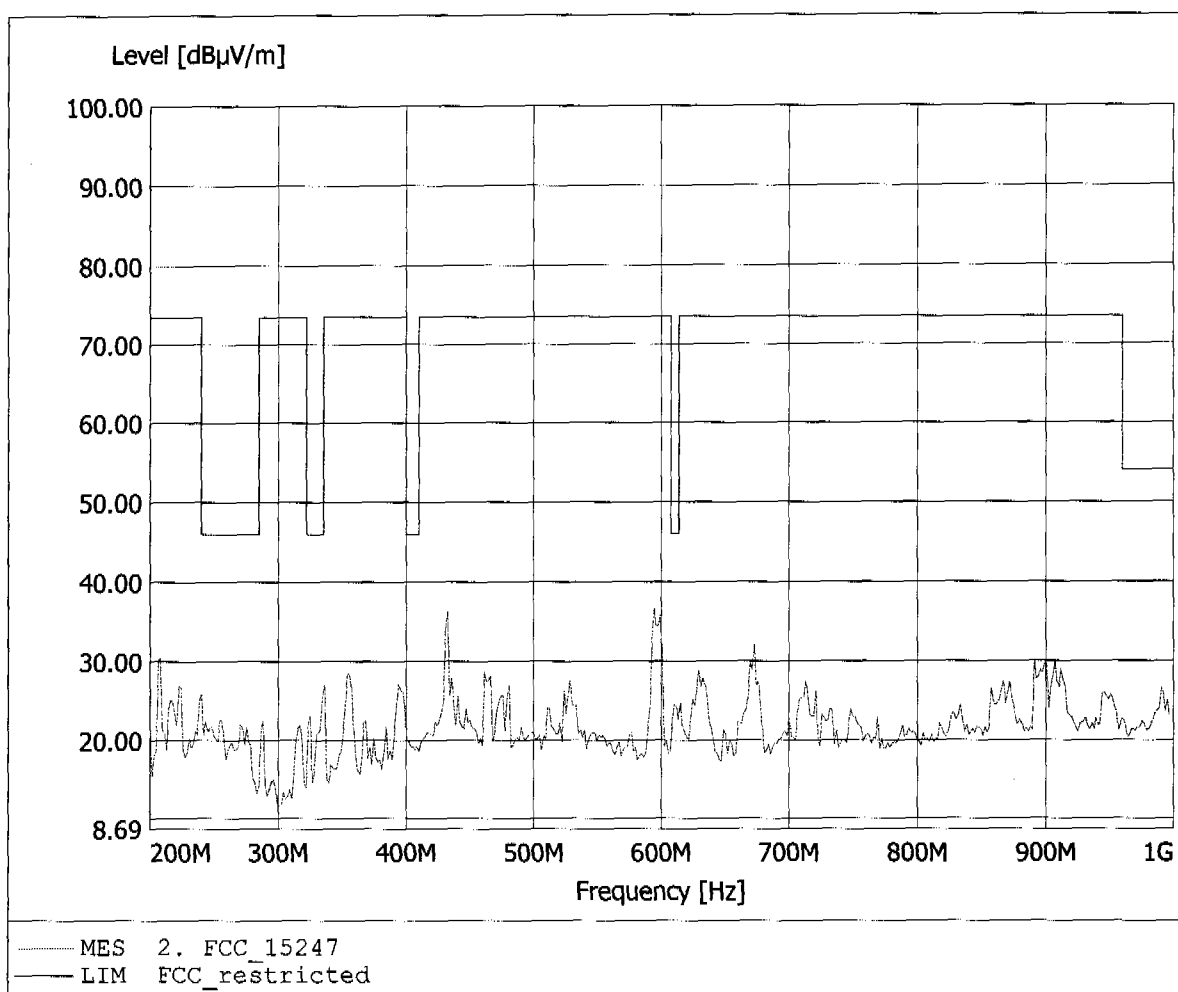
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 34.429MHz, Emax: 35.49dBµV/m, RBW: 100kHz



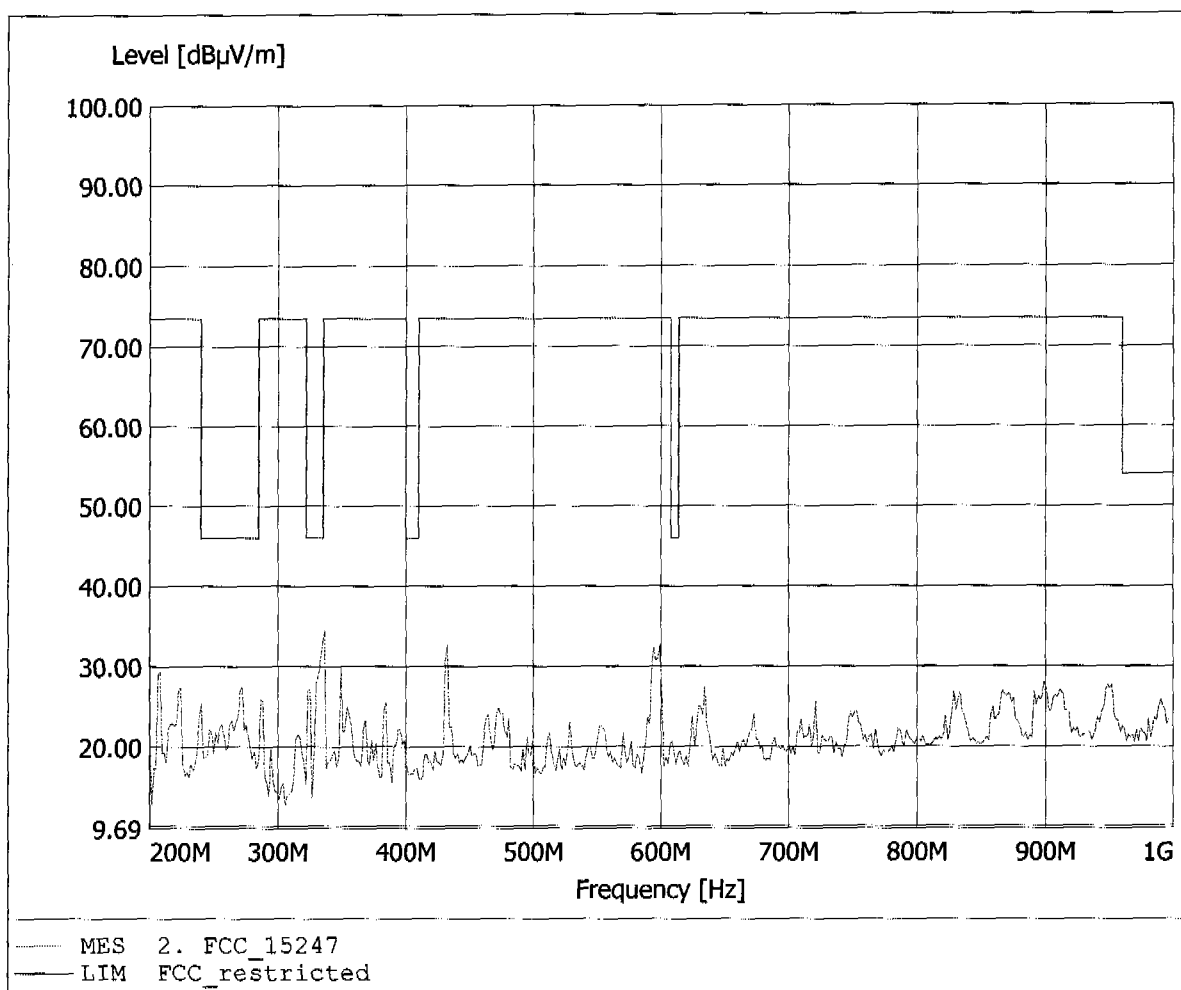
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 594.389MHz, Emax: 36.72dBµV/m, RBW: 100kHz



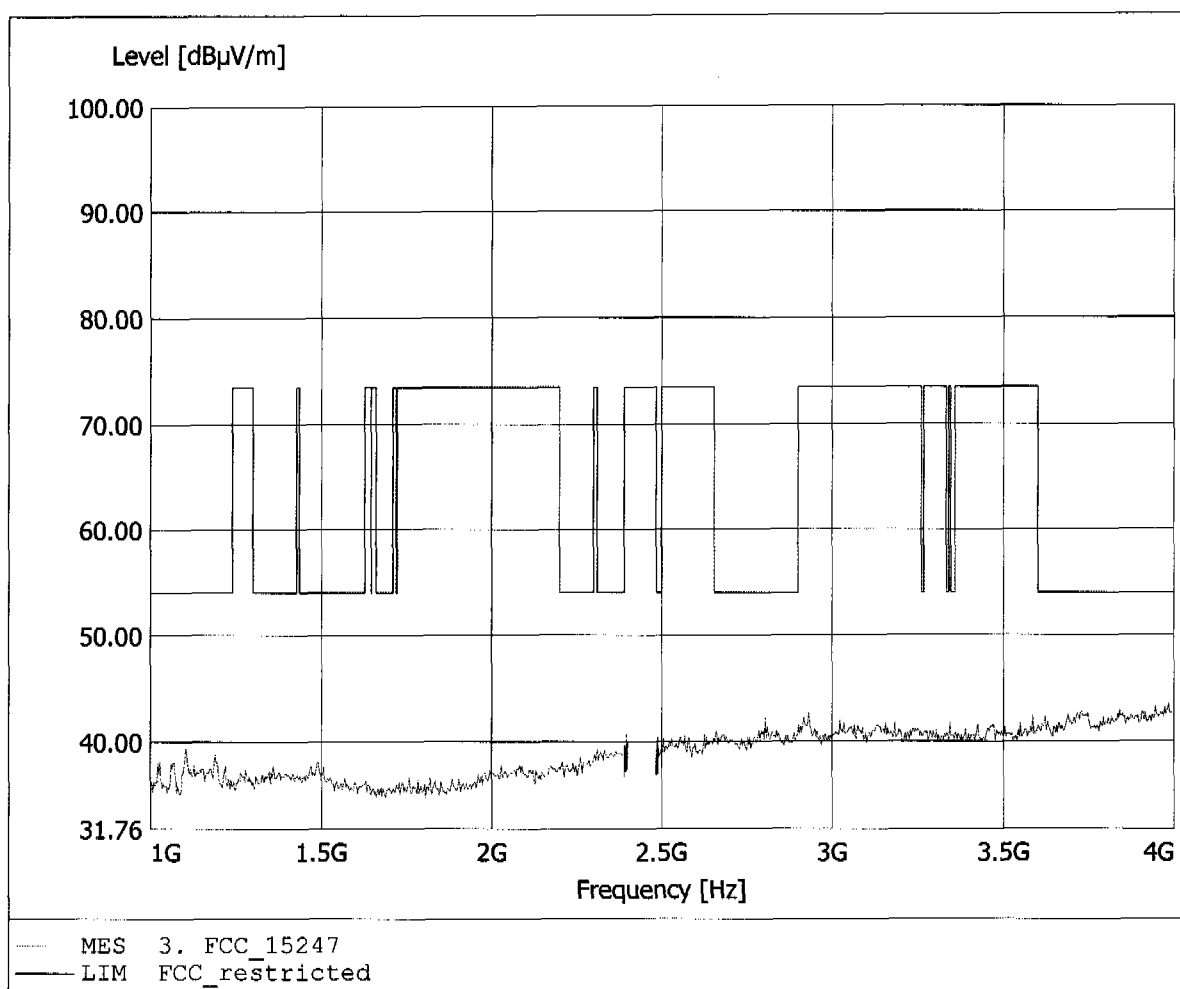
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 336.273MHz, Emax: 34.51dBµV/m, RBW: 100kHz



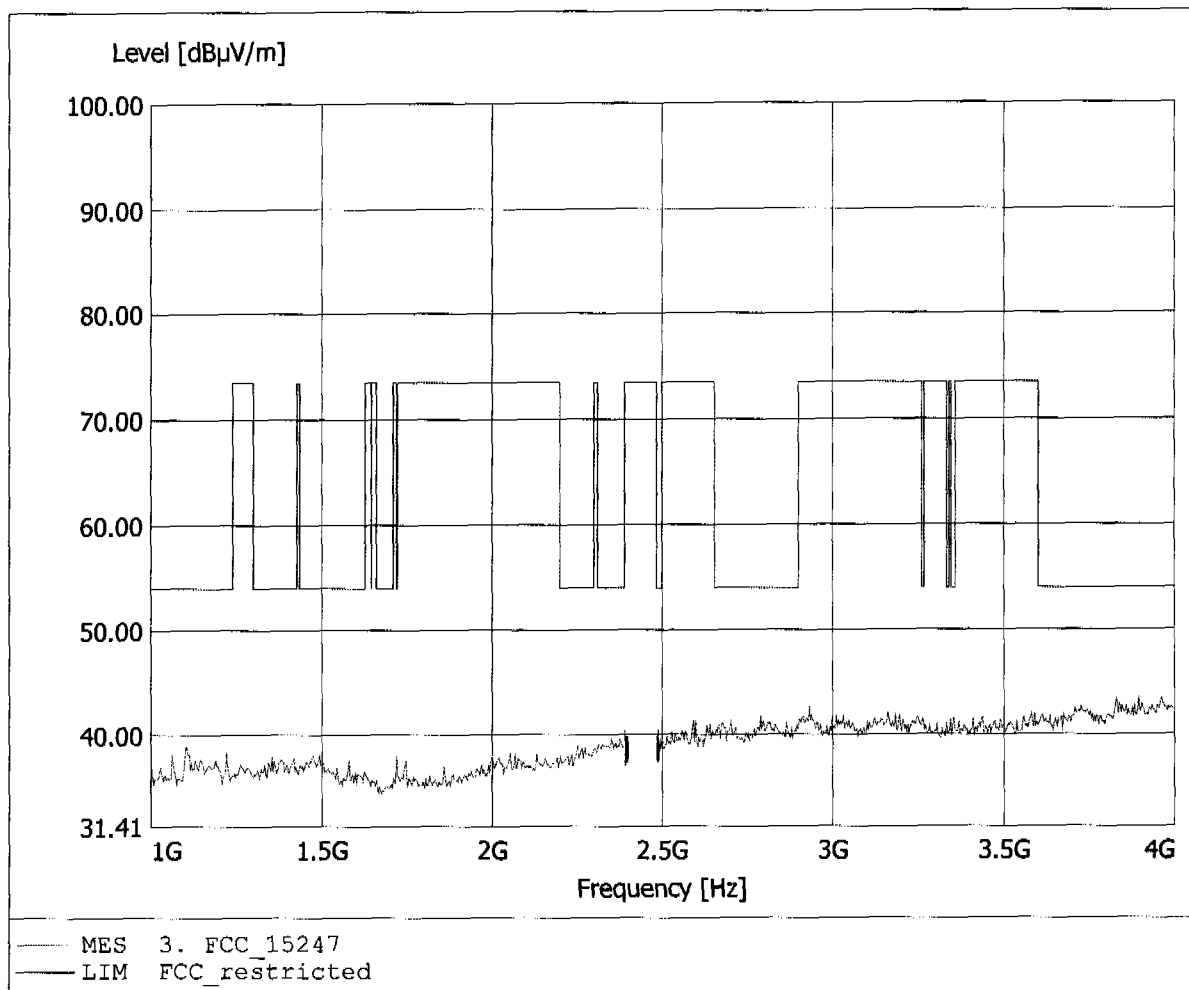
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.985GHz, Emax: 43.47dB μ V/m, RBW: 1MHz



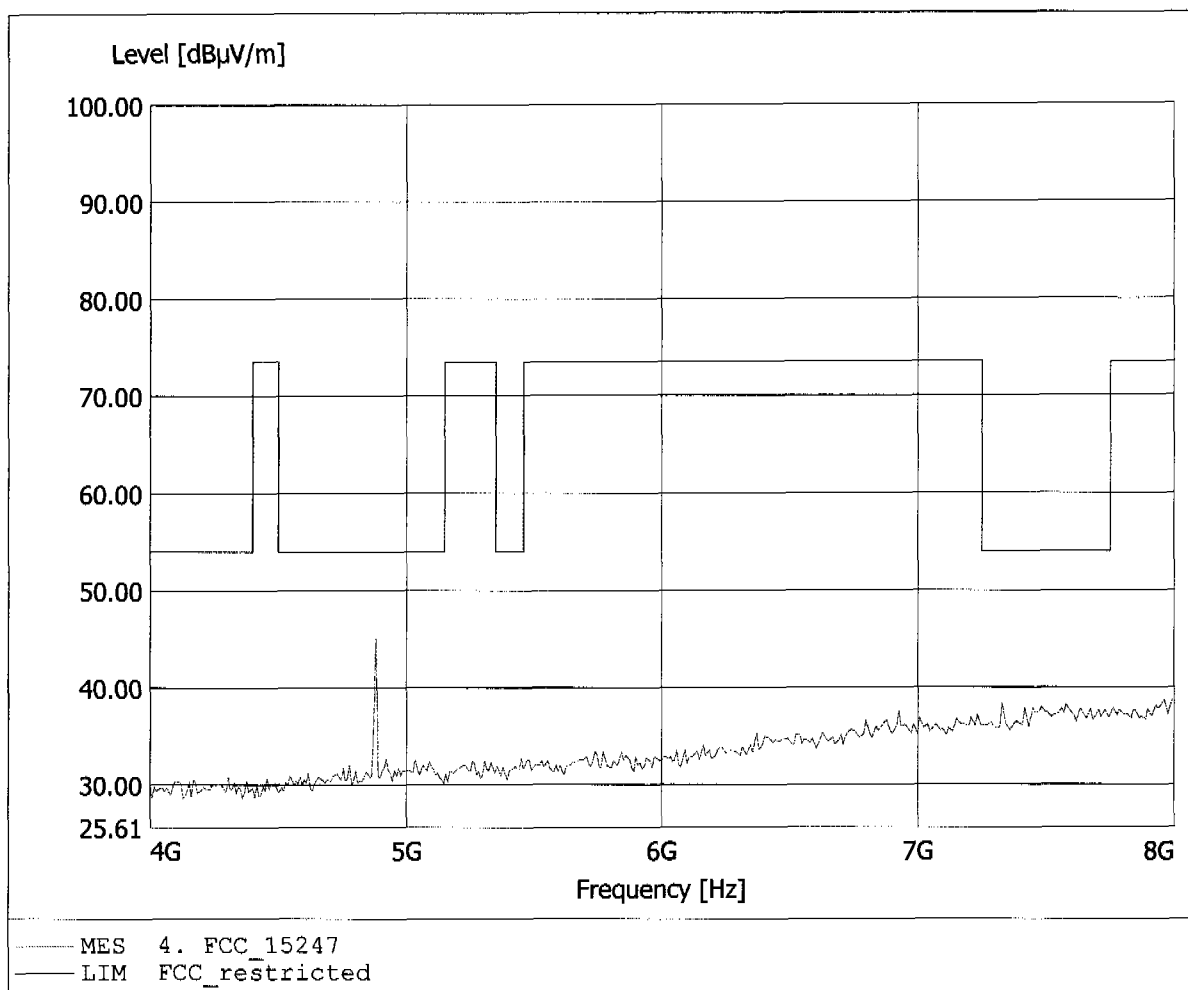
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.894GHz, Emax: 43.50dBuV/m, RBW: 1MHz



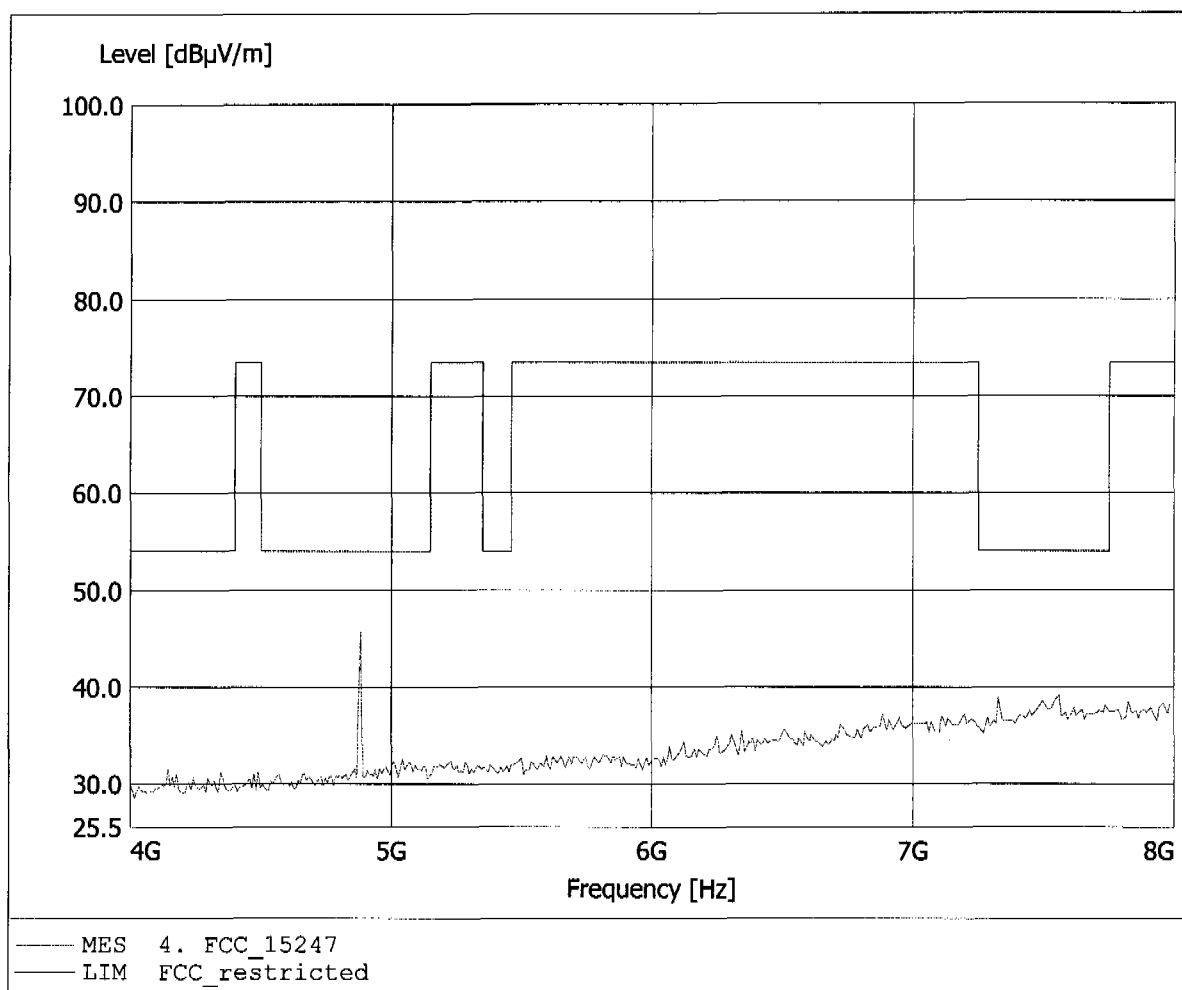
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 45.19dBµV/m, RBW: 1MHz



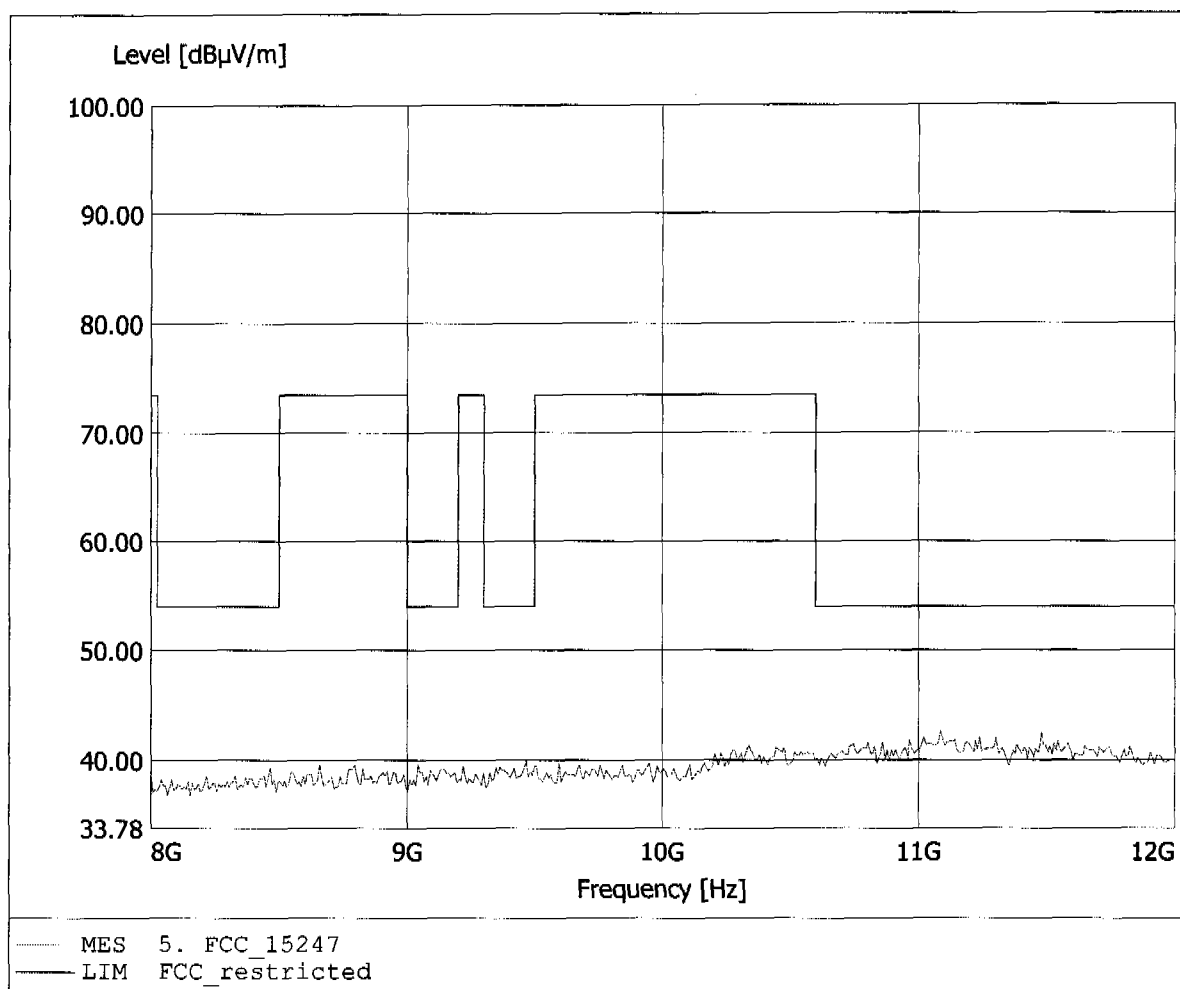
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 45.78dBμV/m, RBW: 1MHz



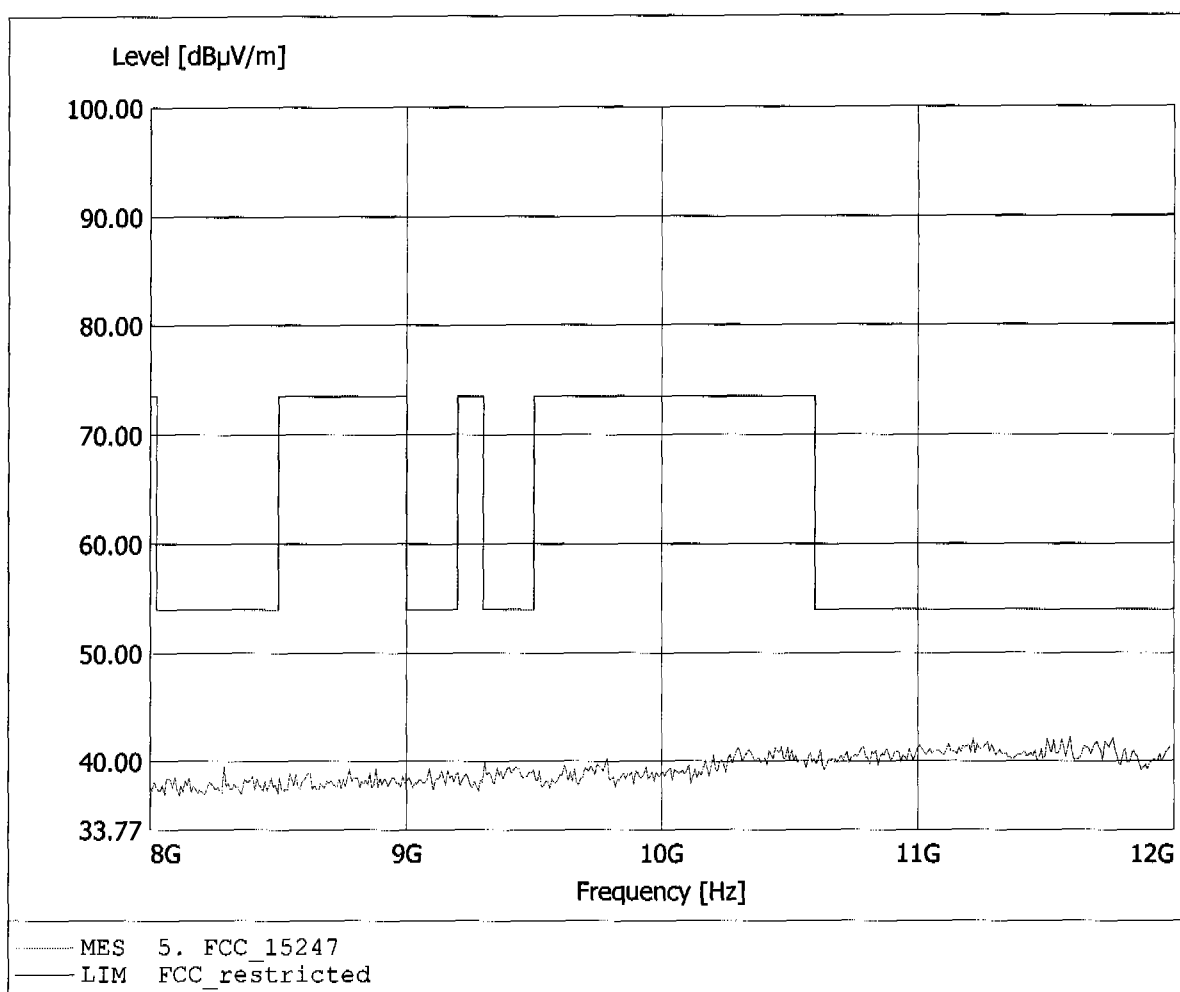
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.086GHz, Emax: 42.66dBμV/m, RBW: 1MHz



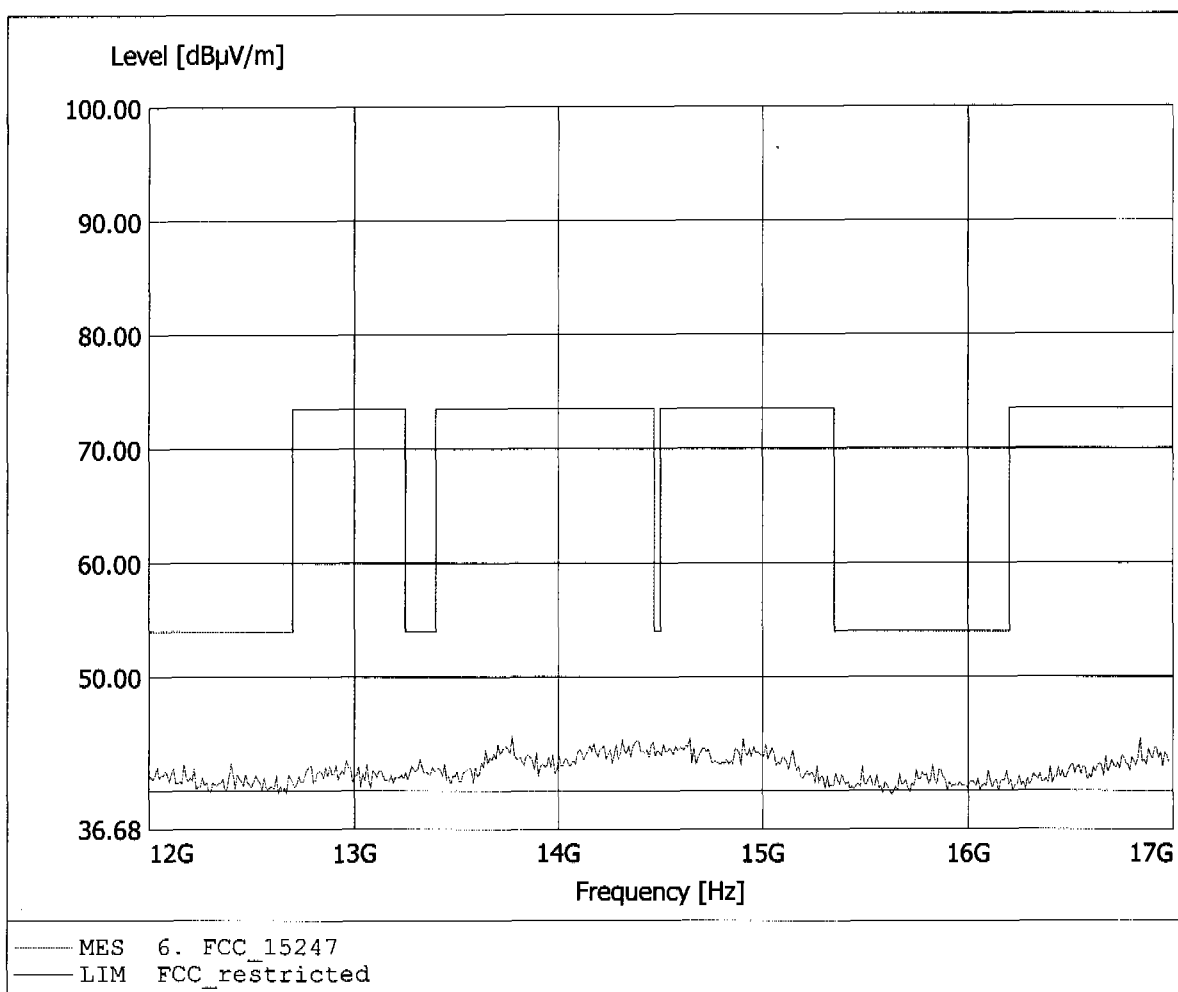
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.591GHz, Emax: 42.25dBµV/m, RBW: 1MHz



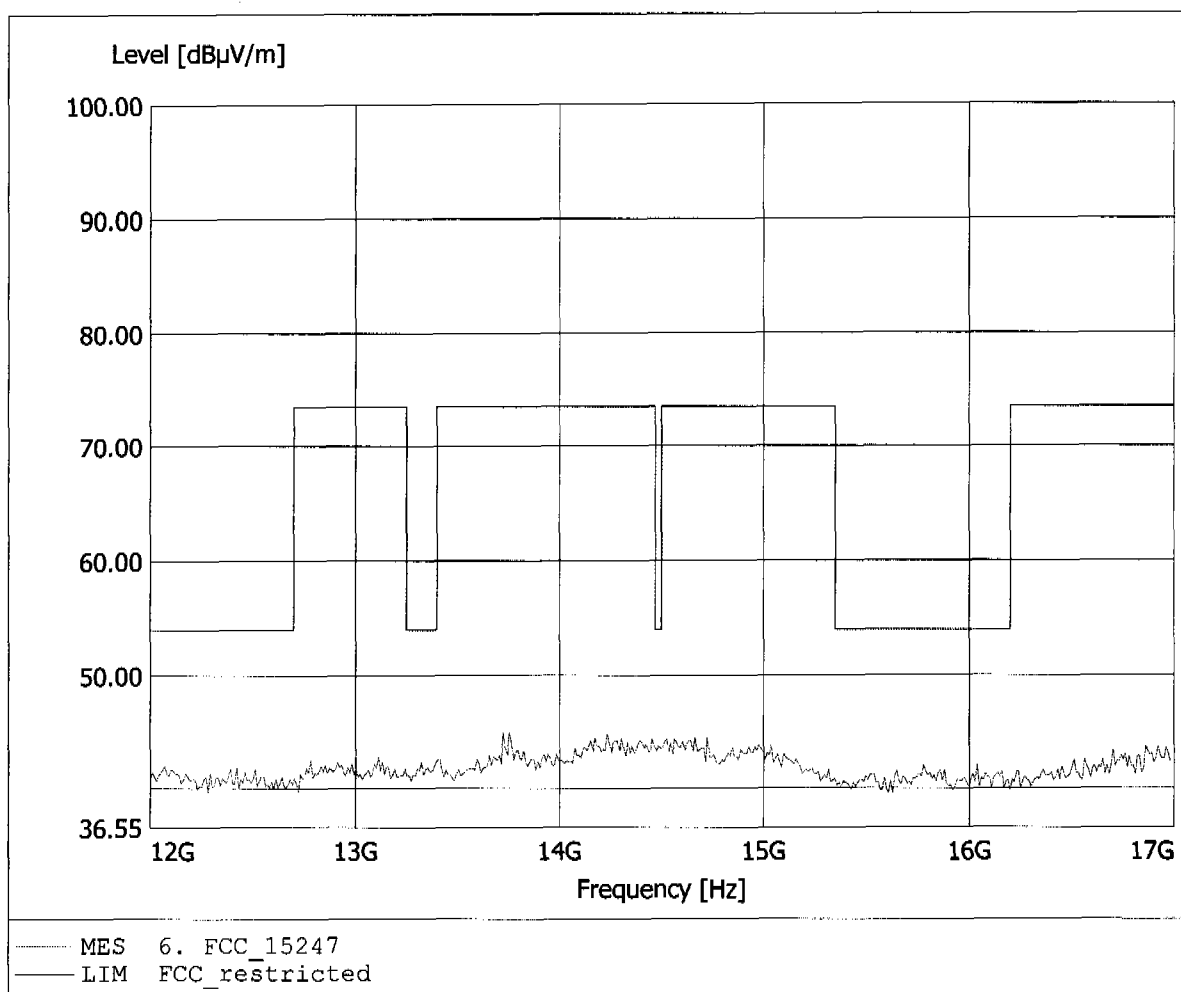
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.774GHz, Emax: 44.75dBµV/m, RBW: 1MHz



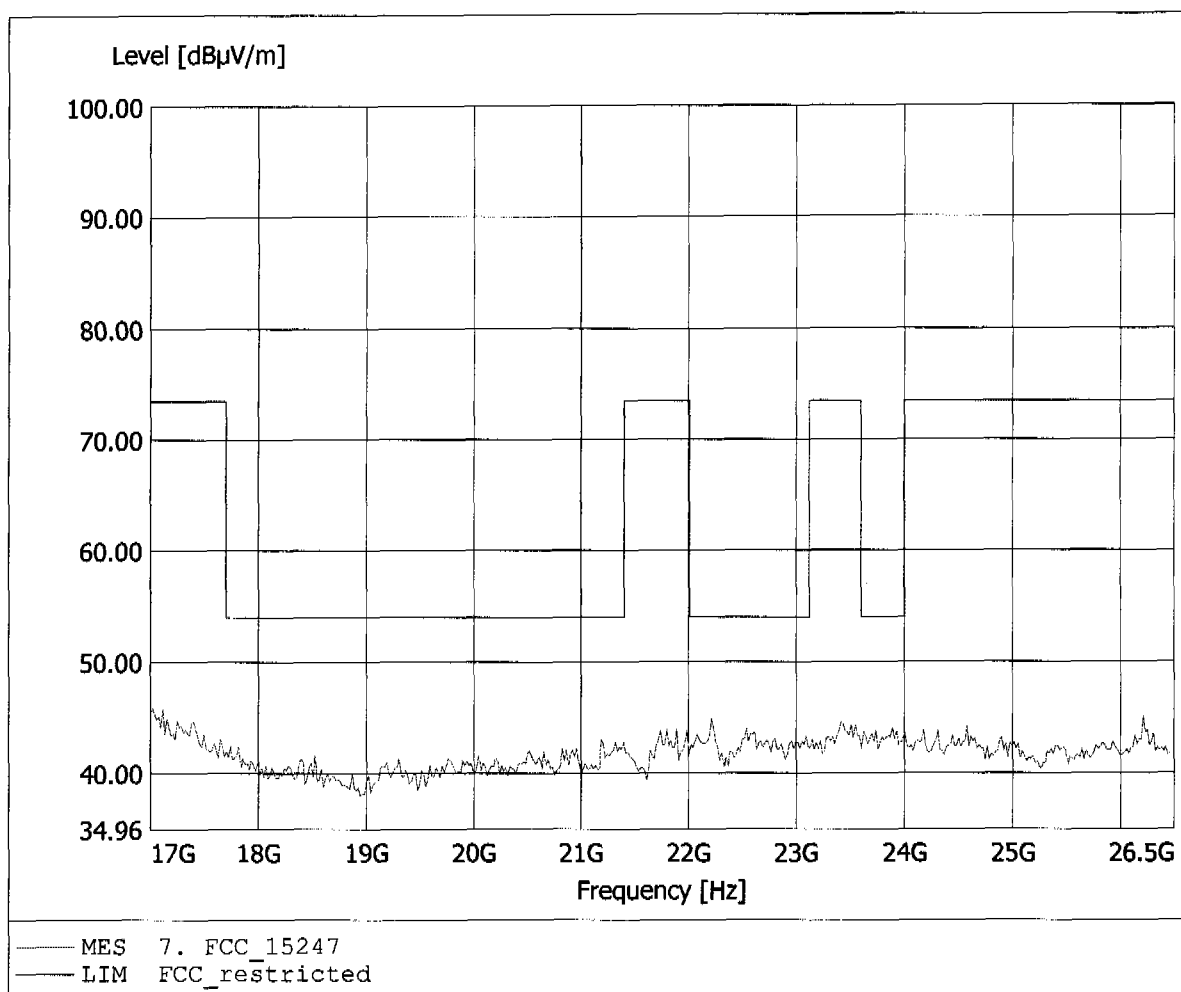
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.754GHz, Emax: 45.02dBµV/m, RBW: 1MHz



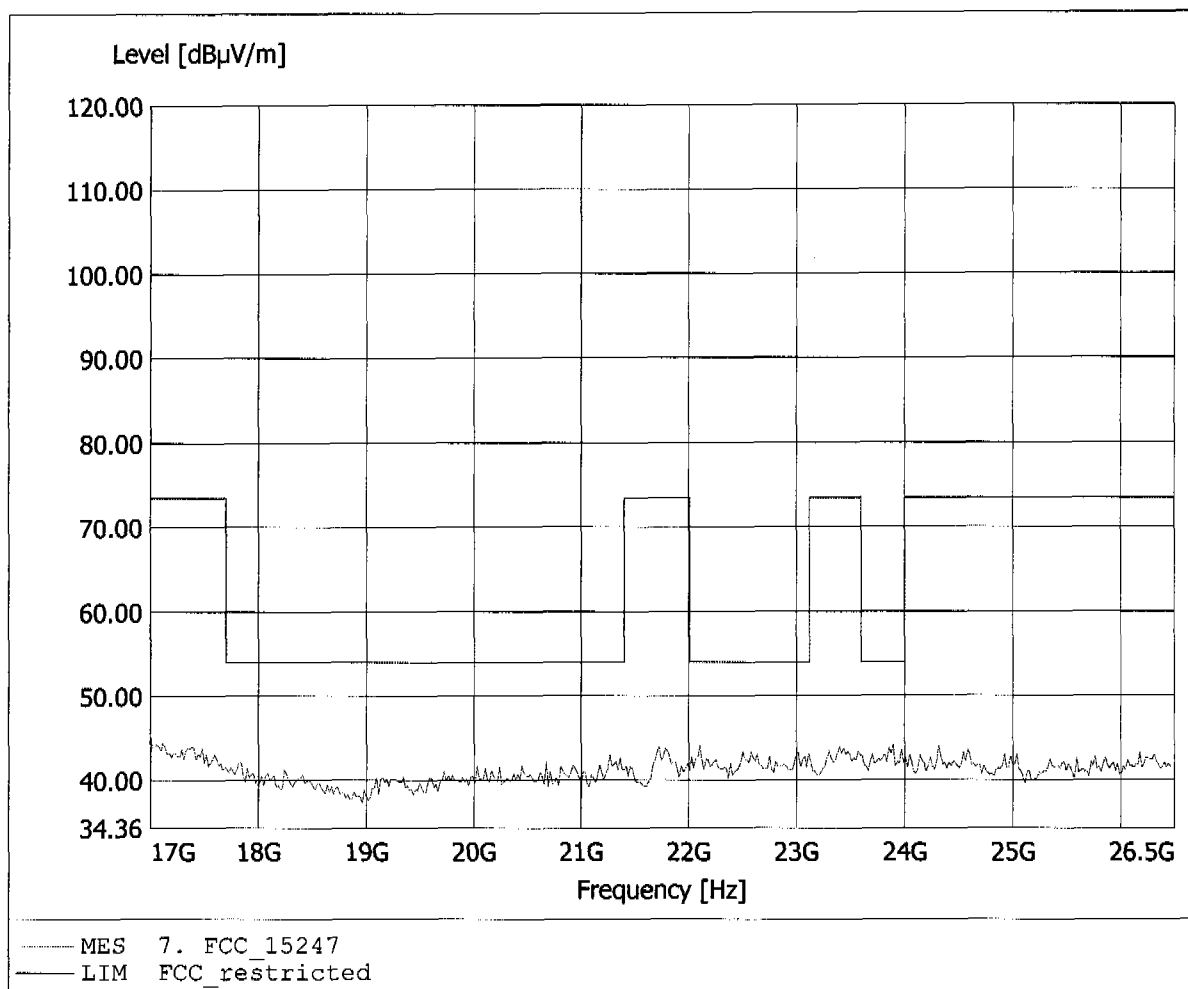
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 45.82dBμV/m, RBW: 1MHz



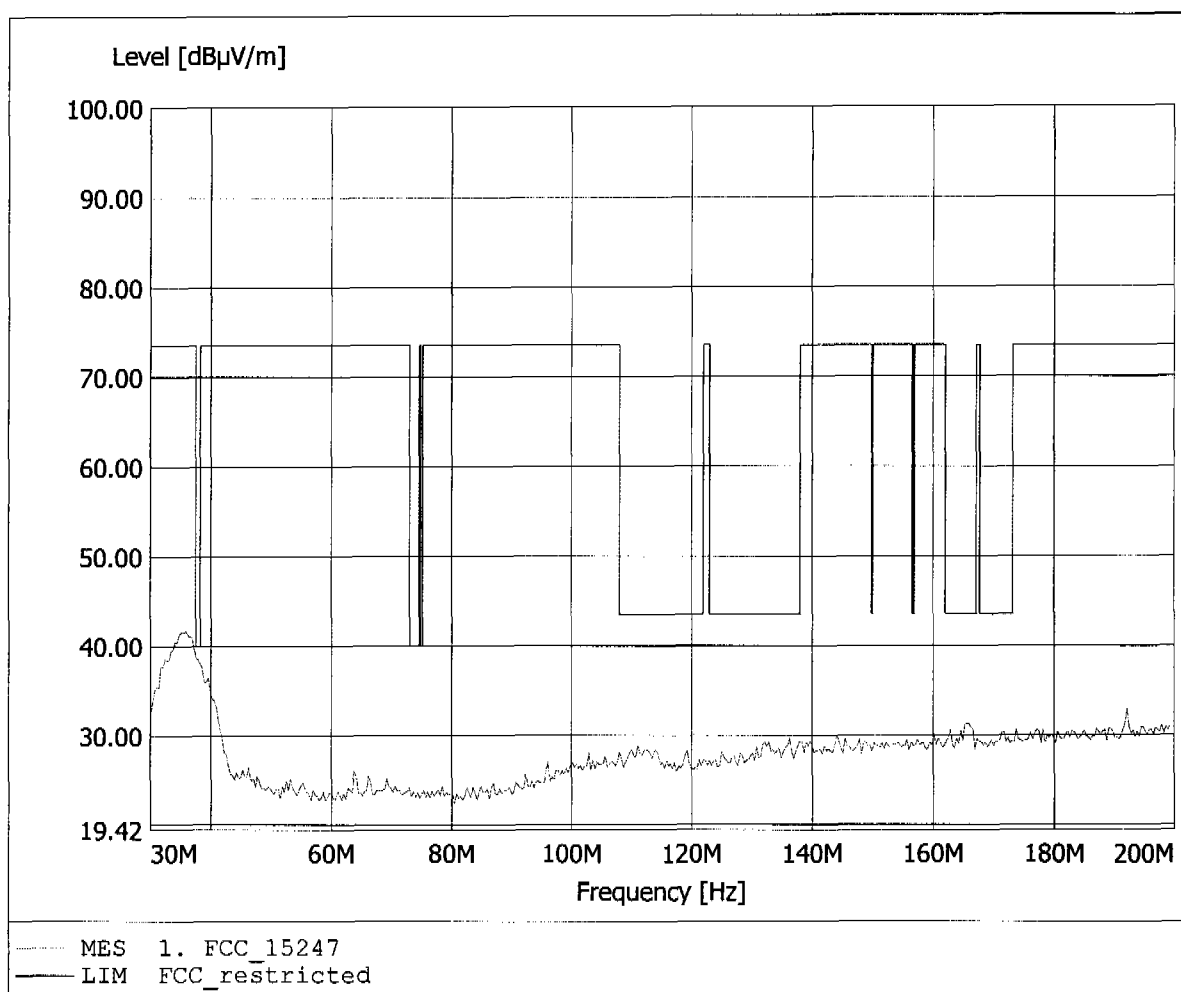
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2441 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 45.44dBμV/m, RBW: 1MHz



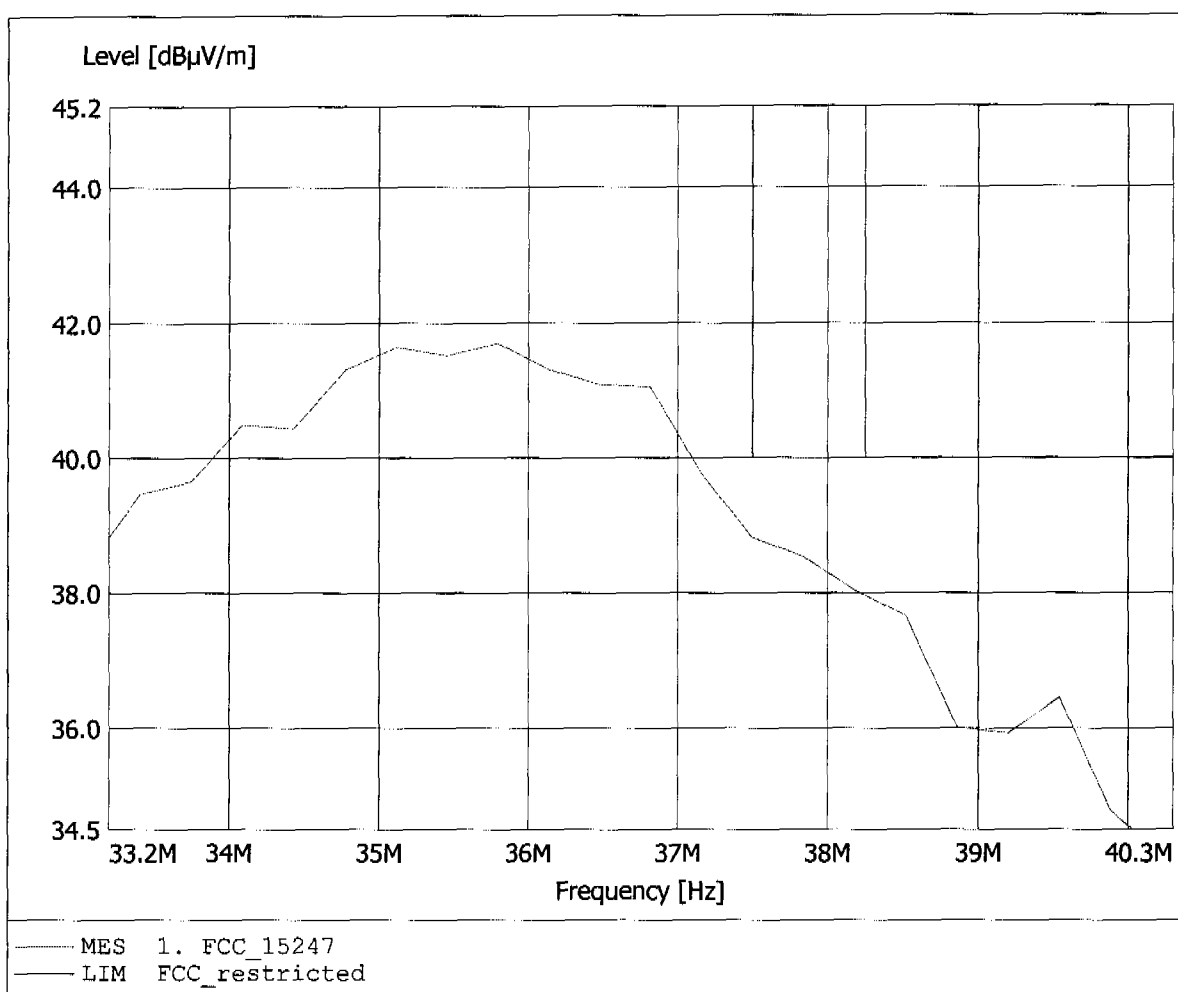
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 35.792MHz, Emax: 41.70dBµV/m, RBW: 100kHz



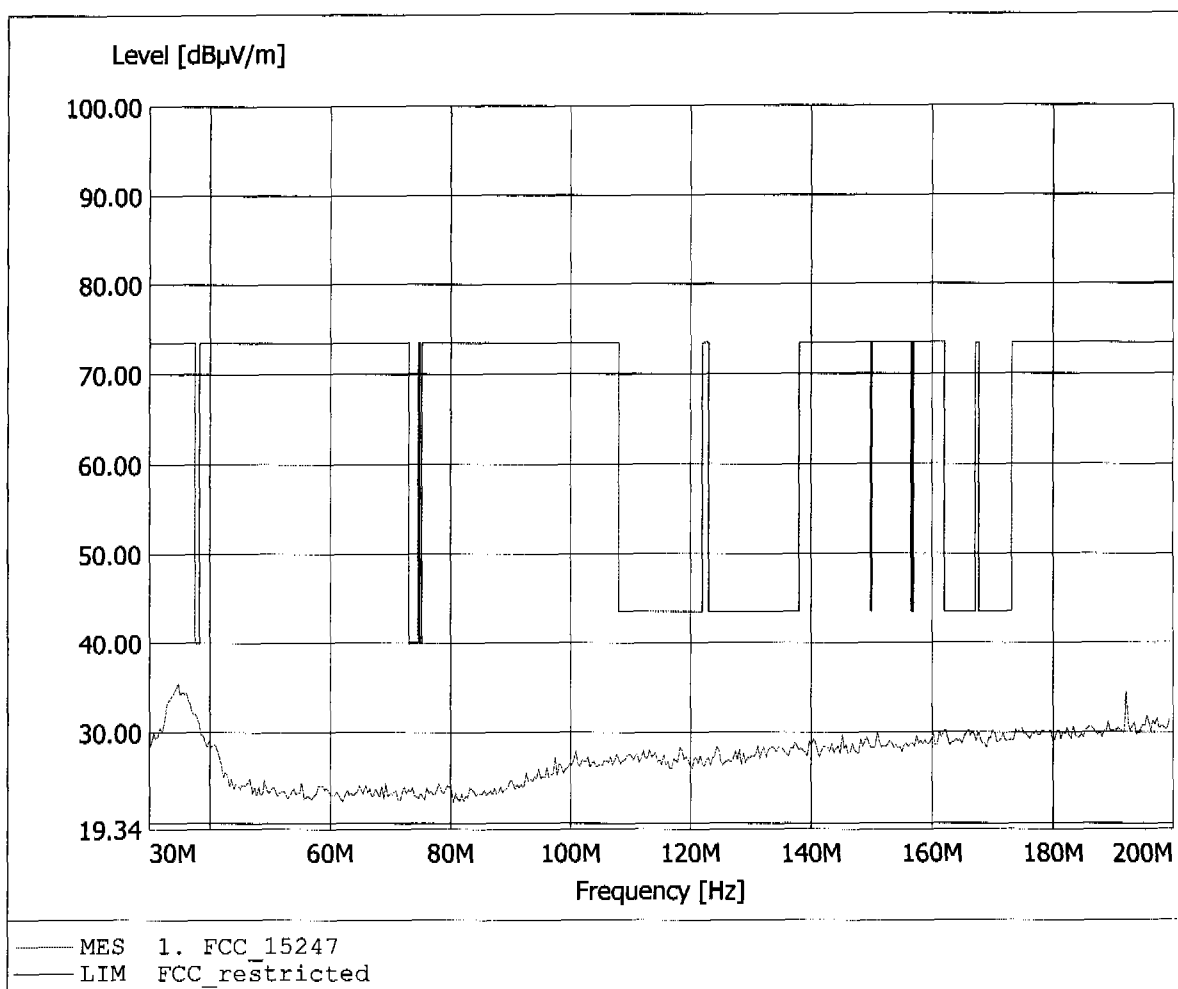
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 35.792MHz, Emax: 41.70dBµV/m, RBW: 100kHz



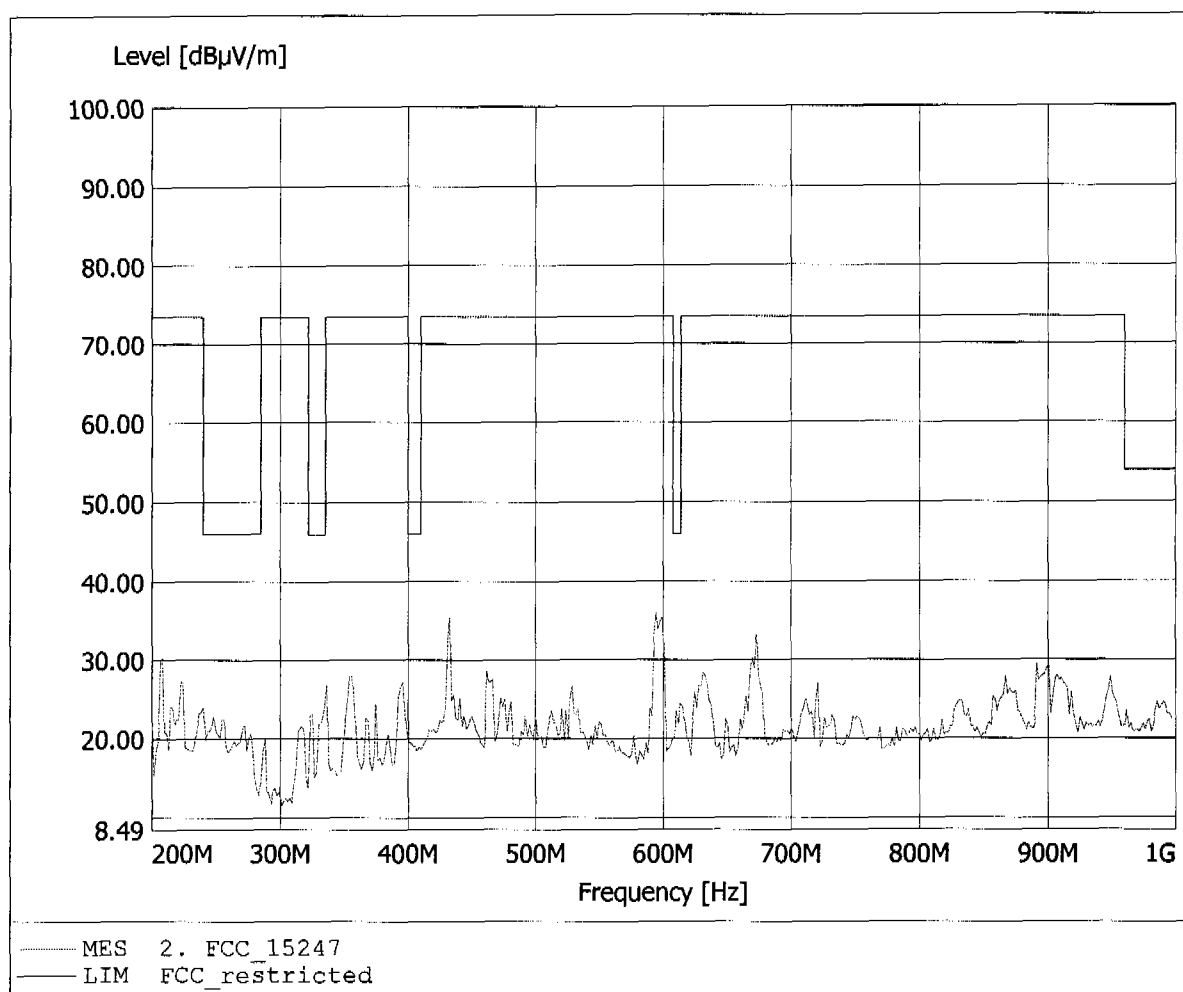
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 34.770MHz, Emax: 35.51dBµV/m, RBW: 100kHz



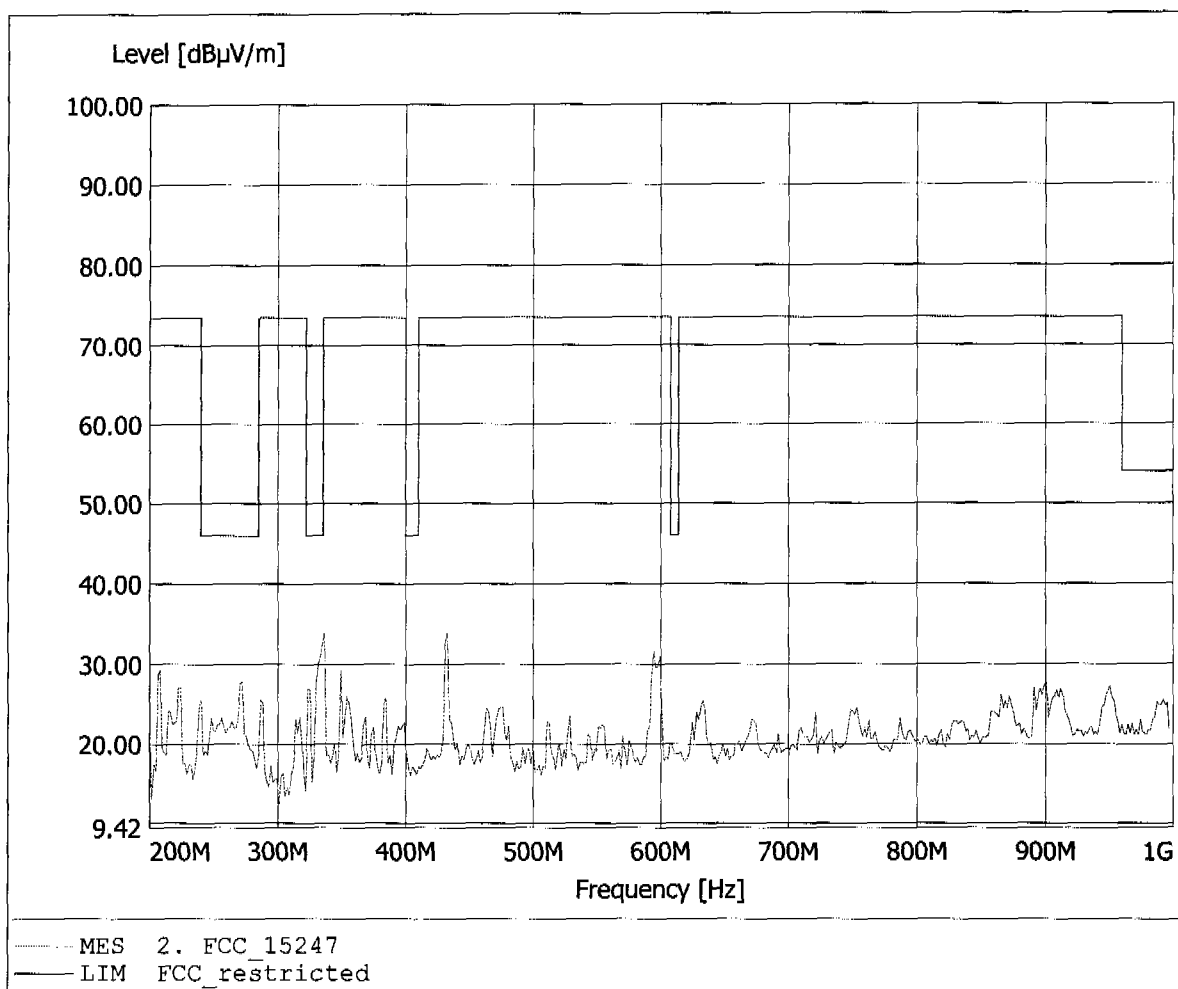
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Fmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 594.389MHz, Emax: 35.96dBµV/m, RBW: 100kHz



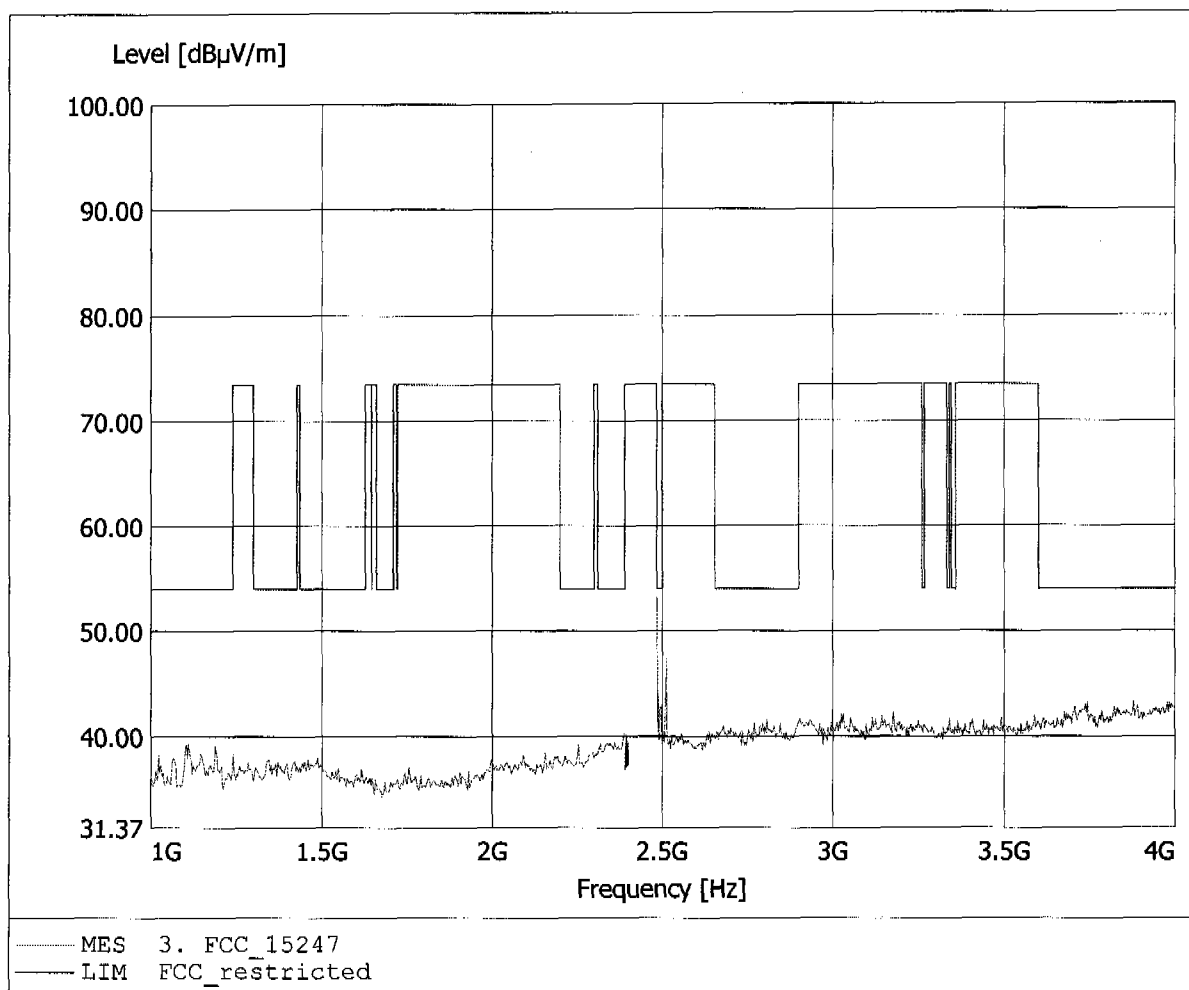
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 33.93dBµV/m, RBW: 100kHz



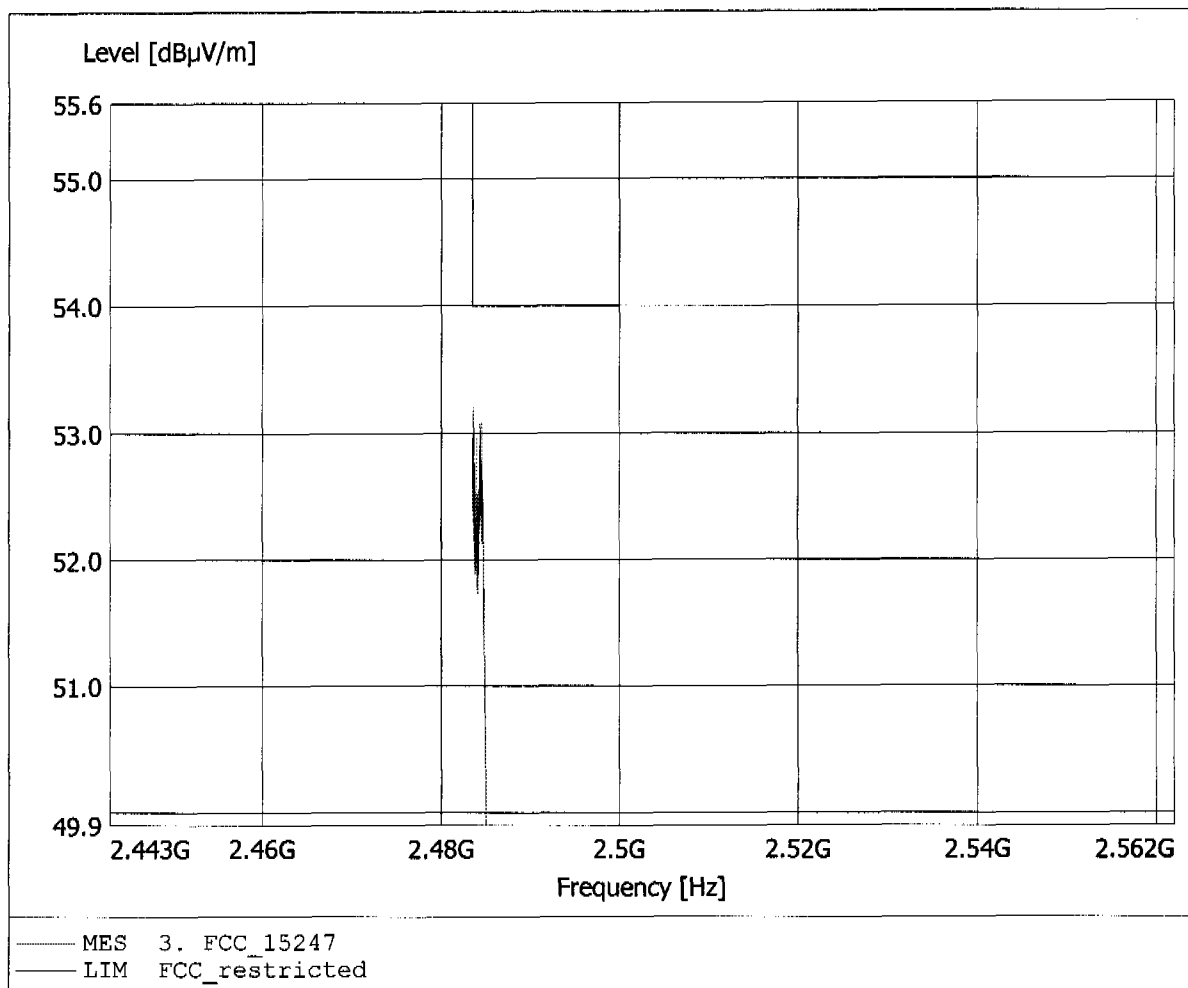
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 53.21dBμV/m, RBW: 1MHz



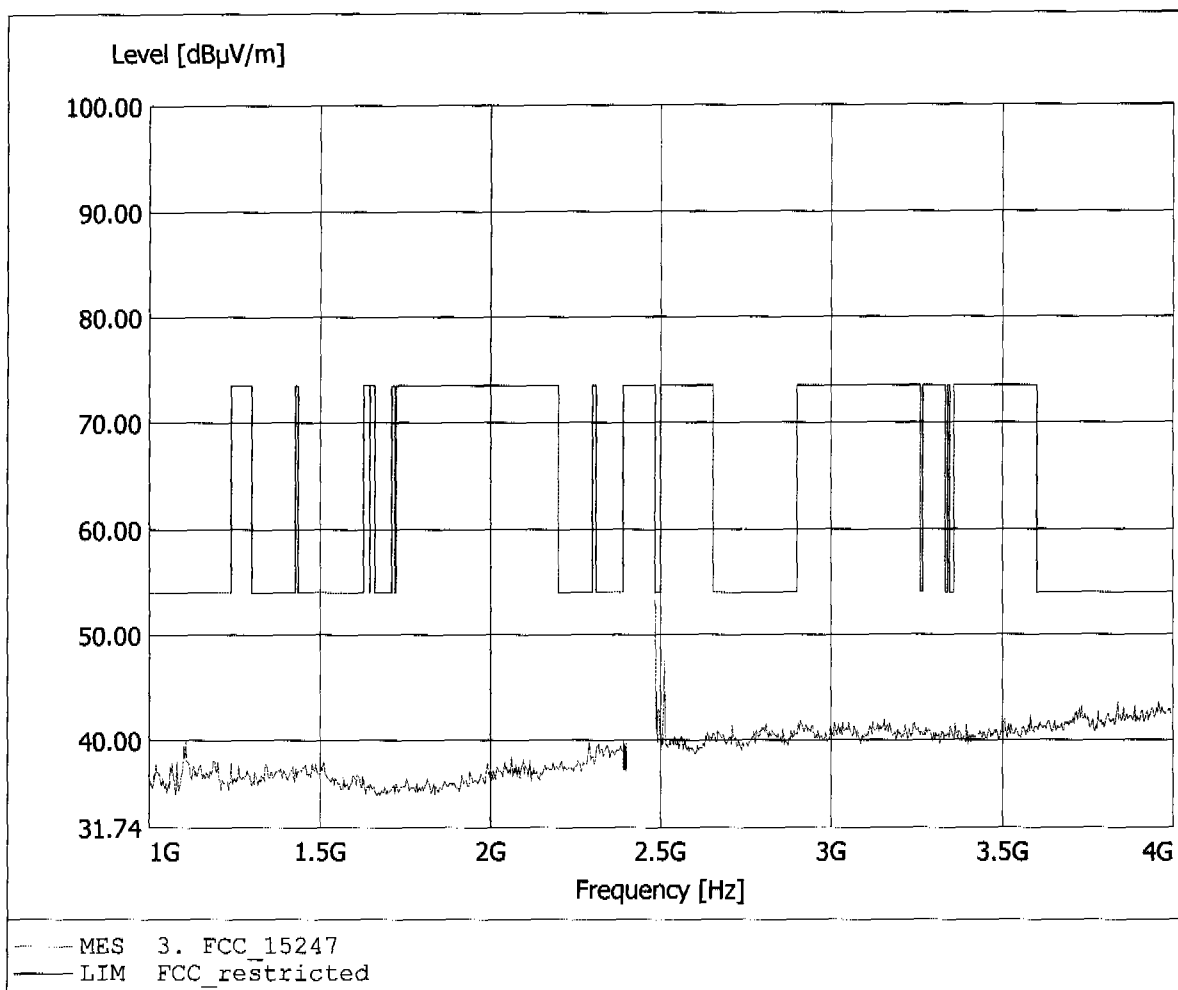
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 53.21dBµV/m, RBW: 1MHz



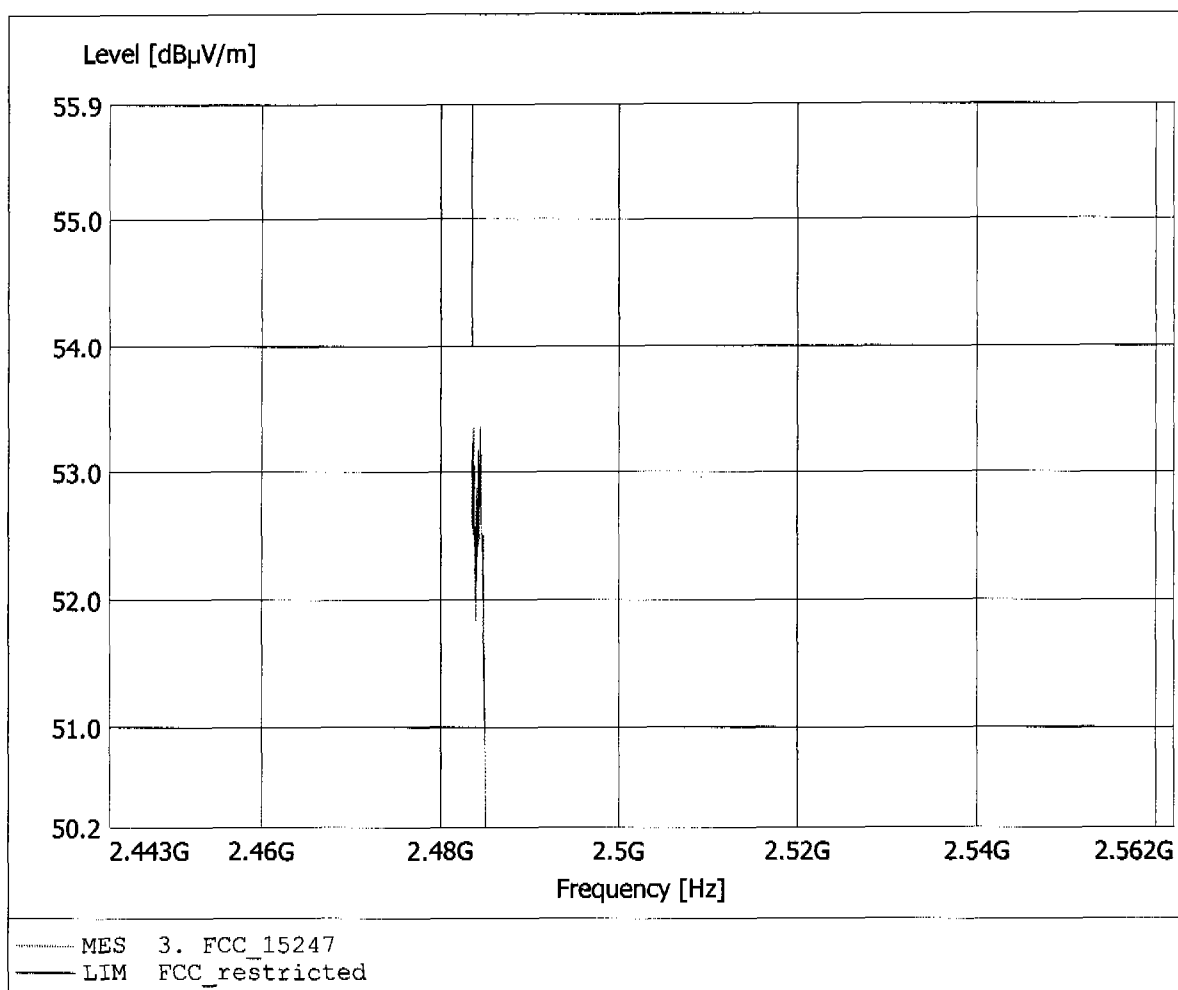
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 53.35dB μ V/m, RBW: 1MHz



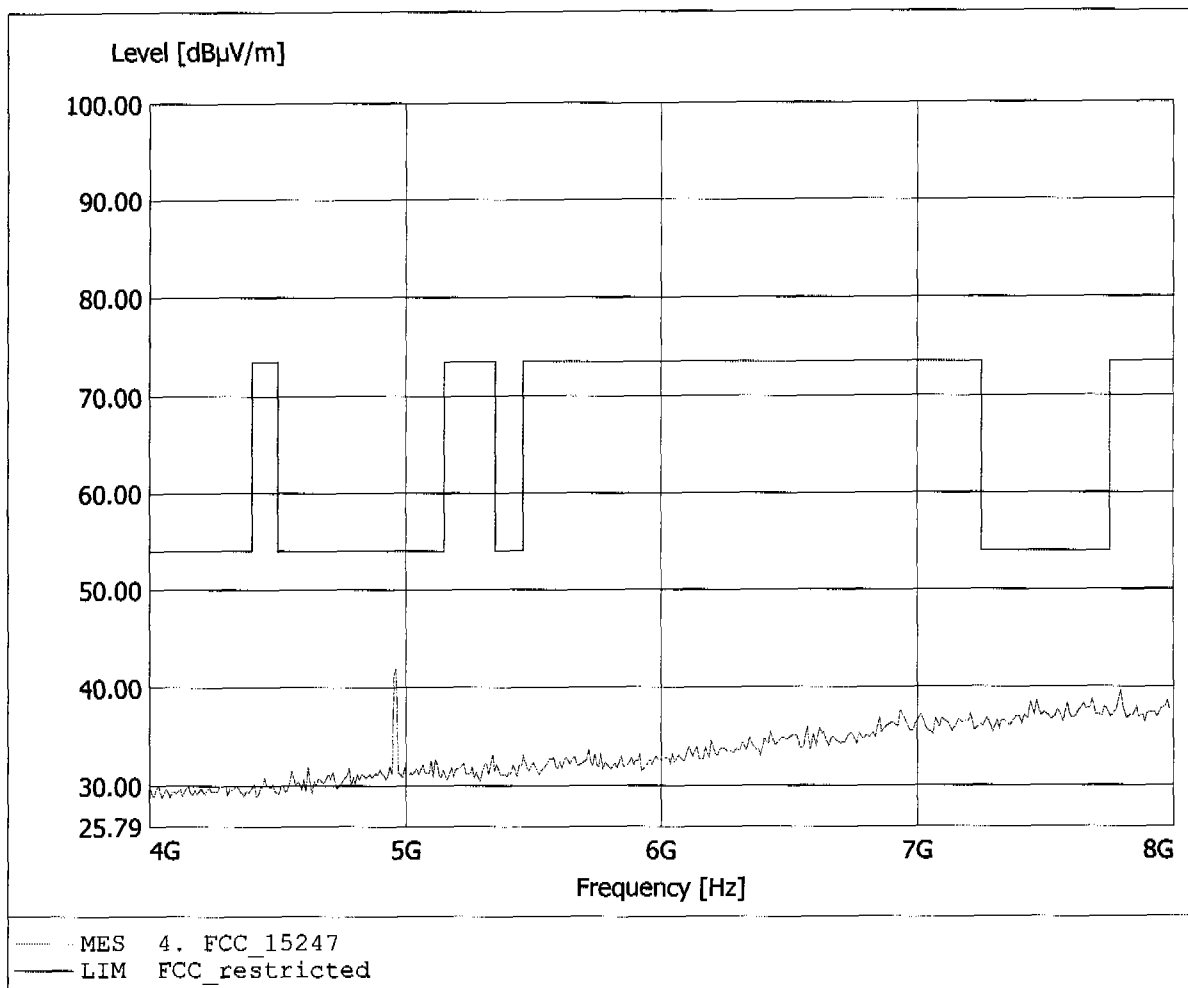
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 53.35dBμV/m, RBW: 1MHz



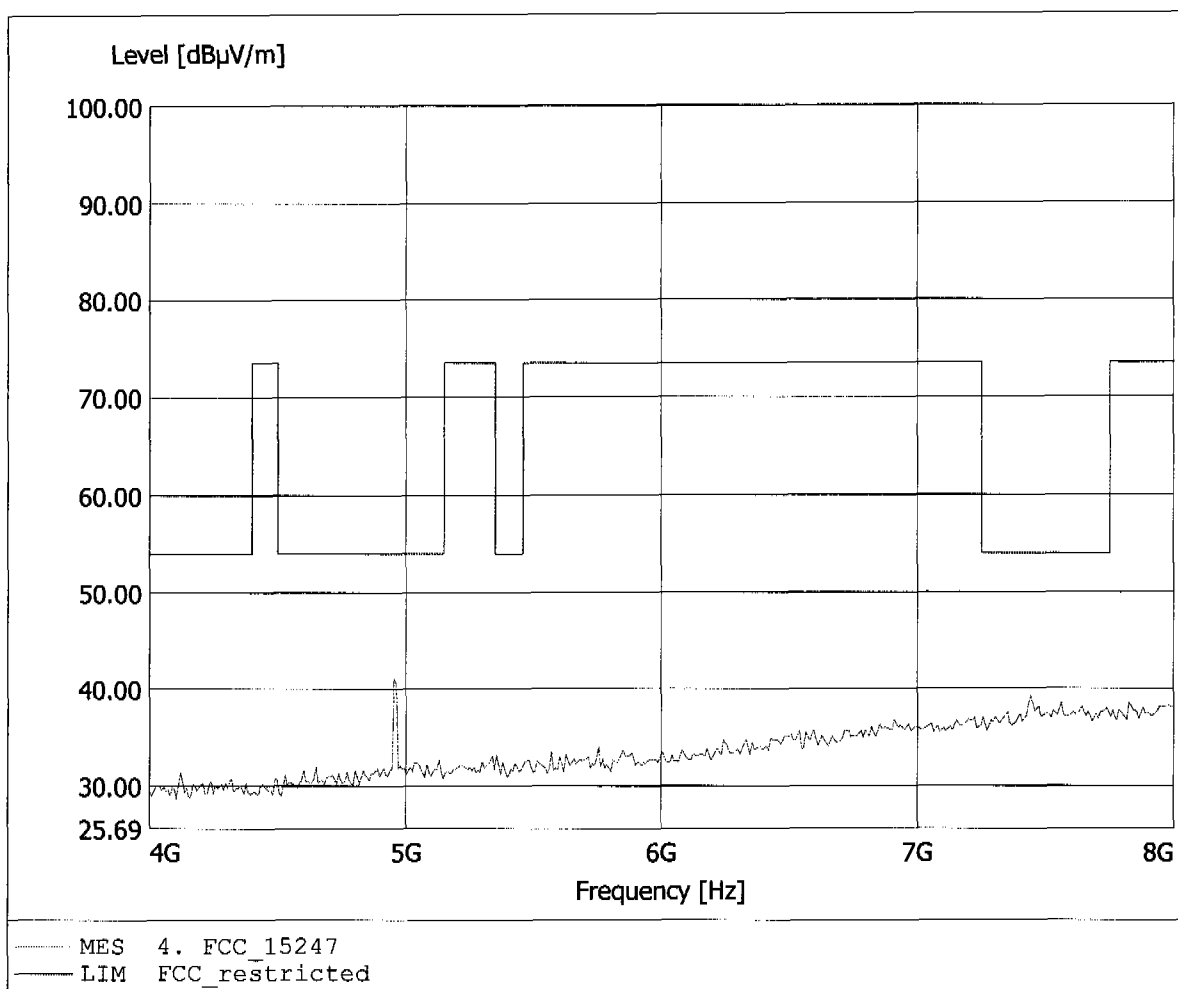
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 41.85dBμV/m, RBW: 1MHz



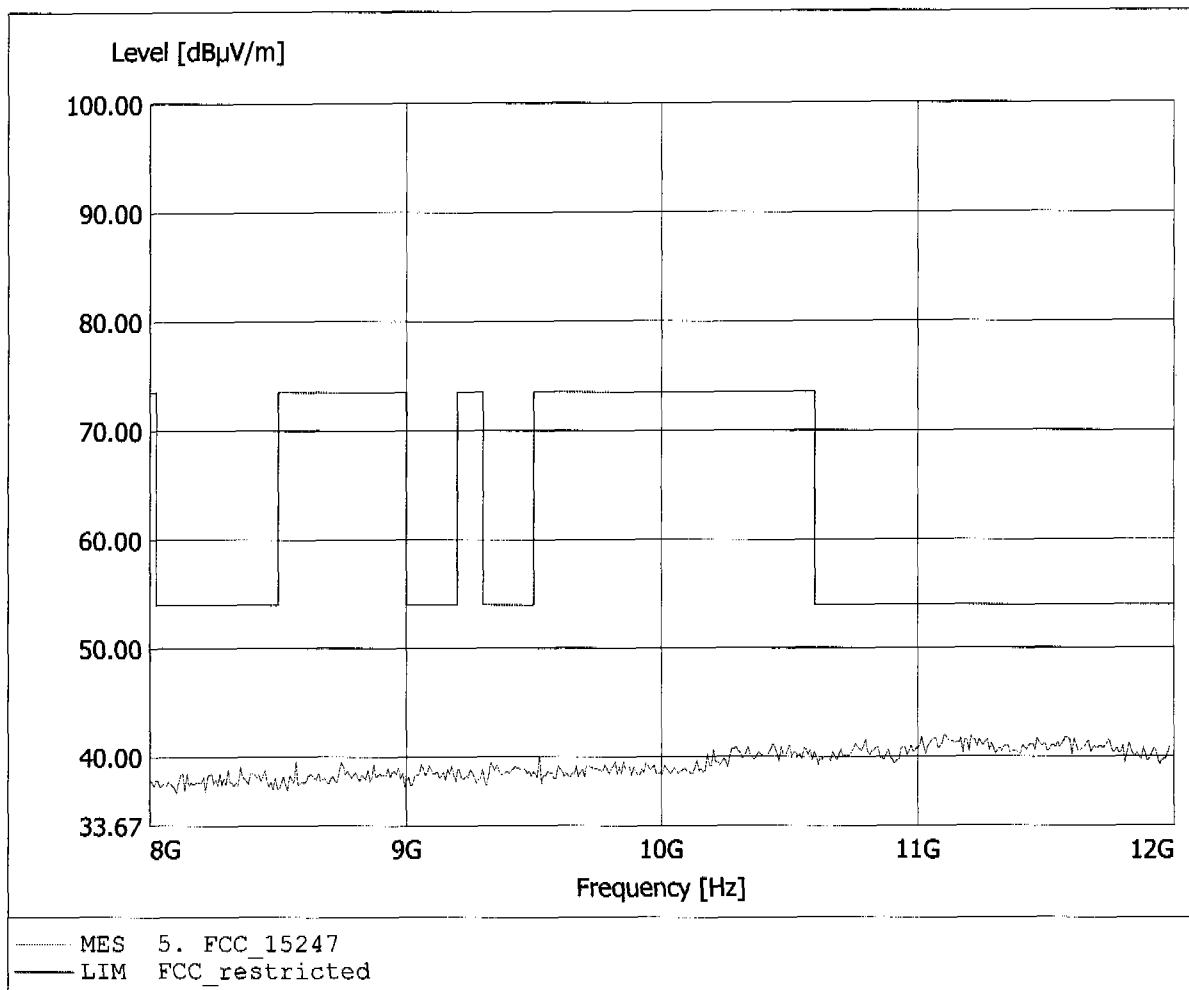
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.954GHz, Emax: 41.07dBμV/m, RBW: 1MHz



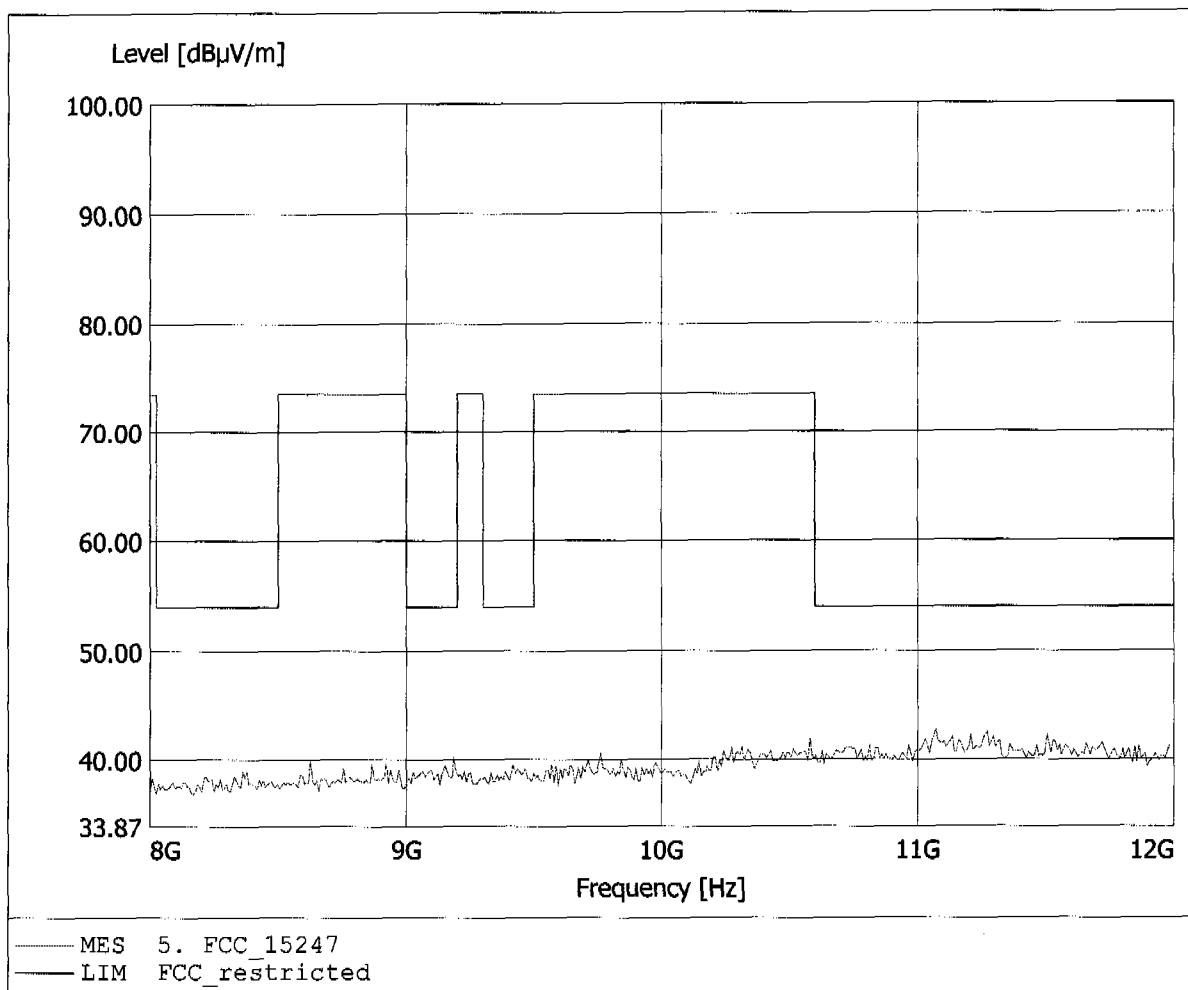
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.102GHz, Emax: 42.08dBµV/m, RBW: 1MHz



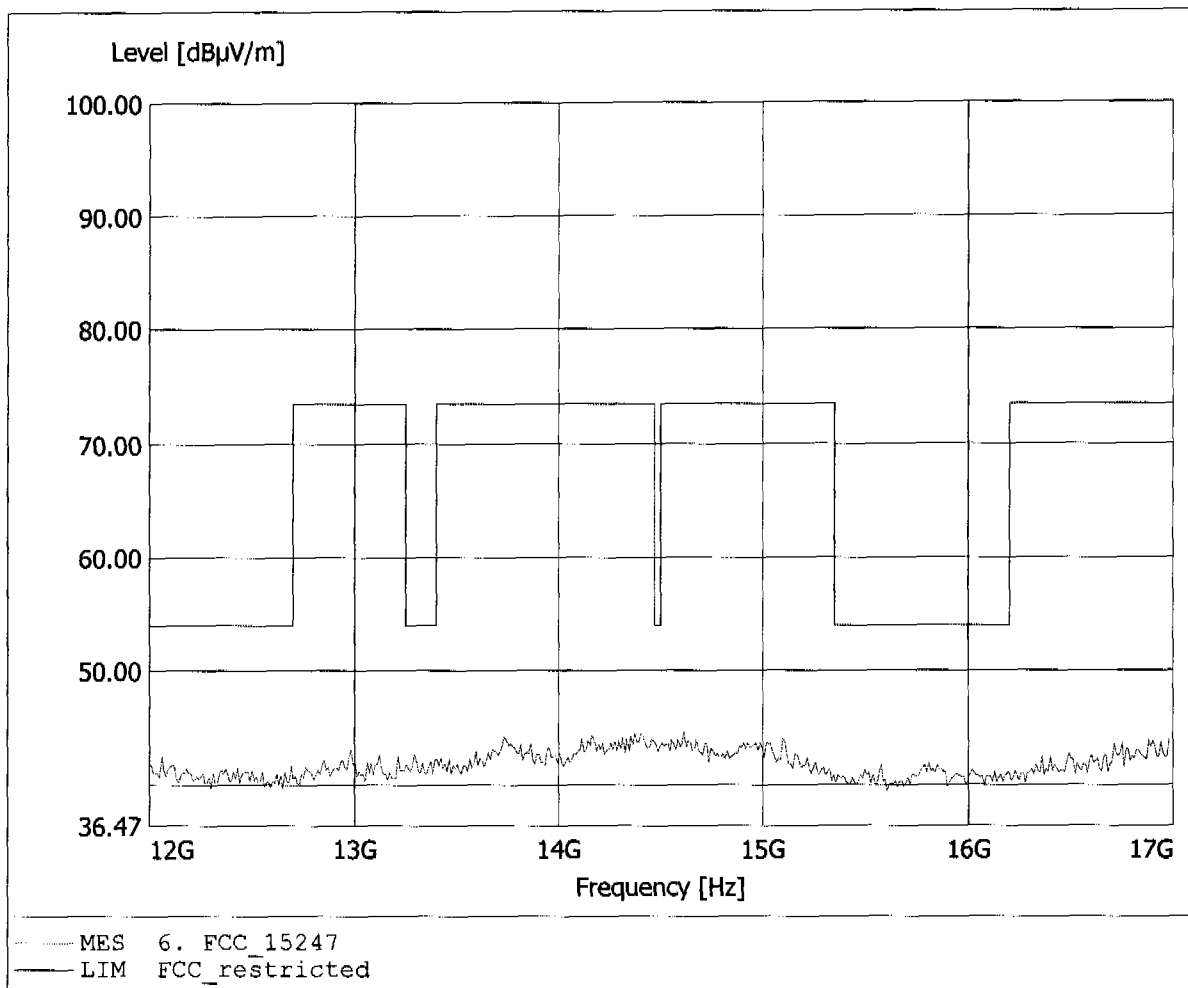
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.070GHz, Emax: 42.75dBμV/m, RBW: 1MHz



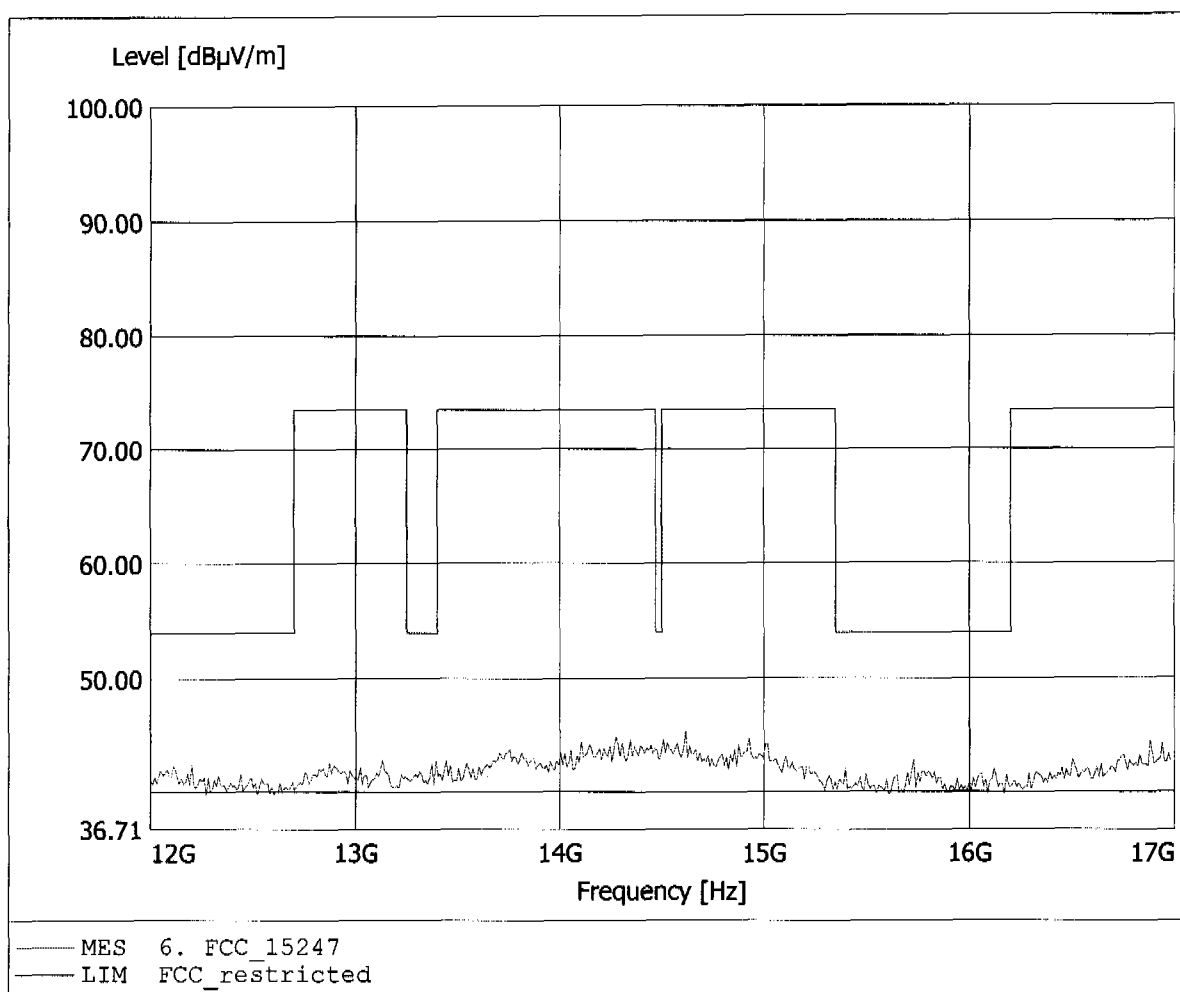
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.615GHz, Emax: 44.65dBµV/m, RBW: 1MHz



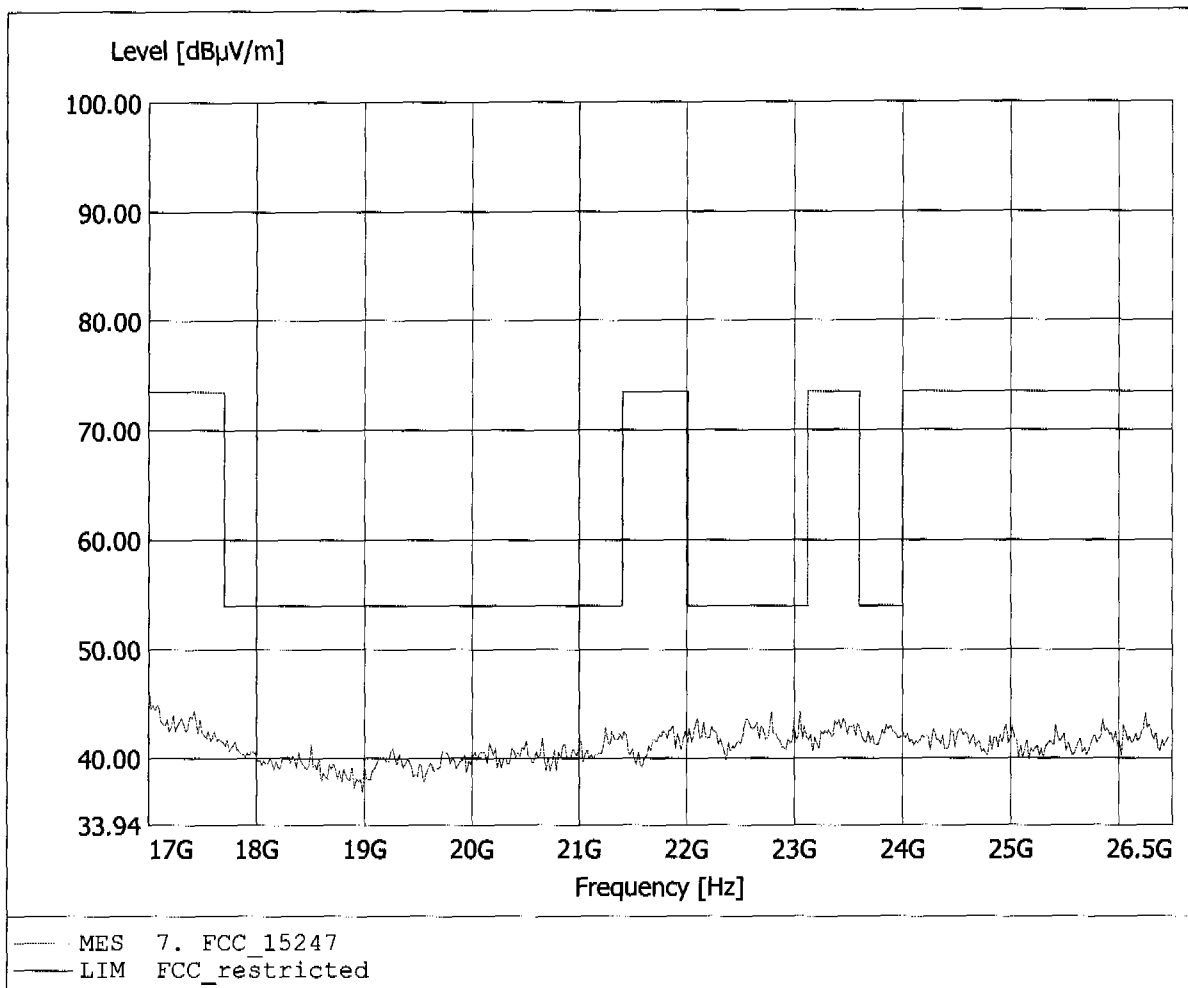
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.615GHz, Emax: 45.35dBμV/m, RBW: 1MHz



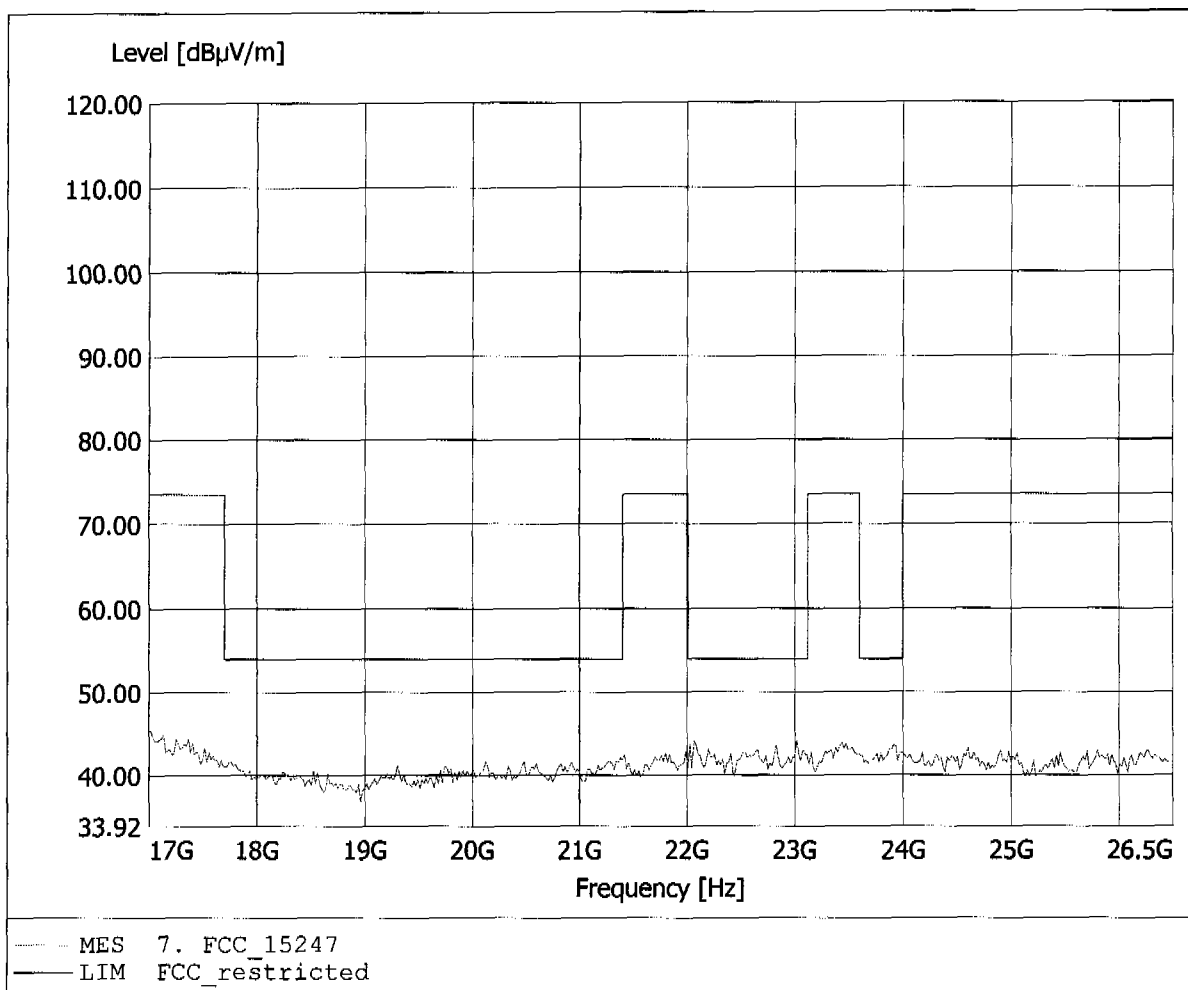
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 46.68dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Pulse oximeter / Pmax / 2480 MHz
Model: 4100
Approval Holder: Nonin Medical Inc.
Operating Condition: Tnom: 23°C / Unom: 3VDC (battery)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 45.41dBµV/m, RBW: 1MHz



Appendix D

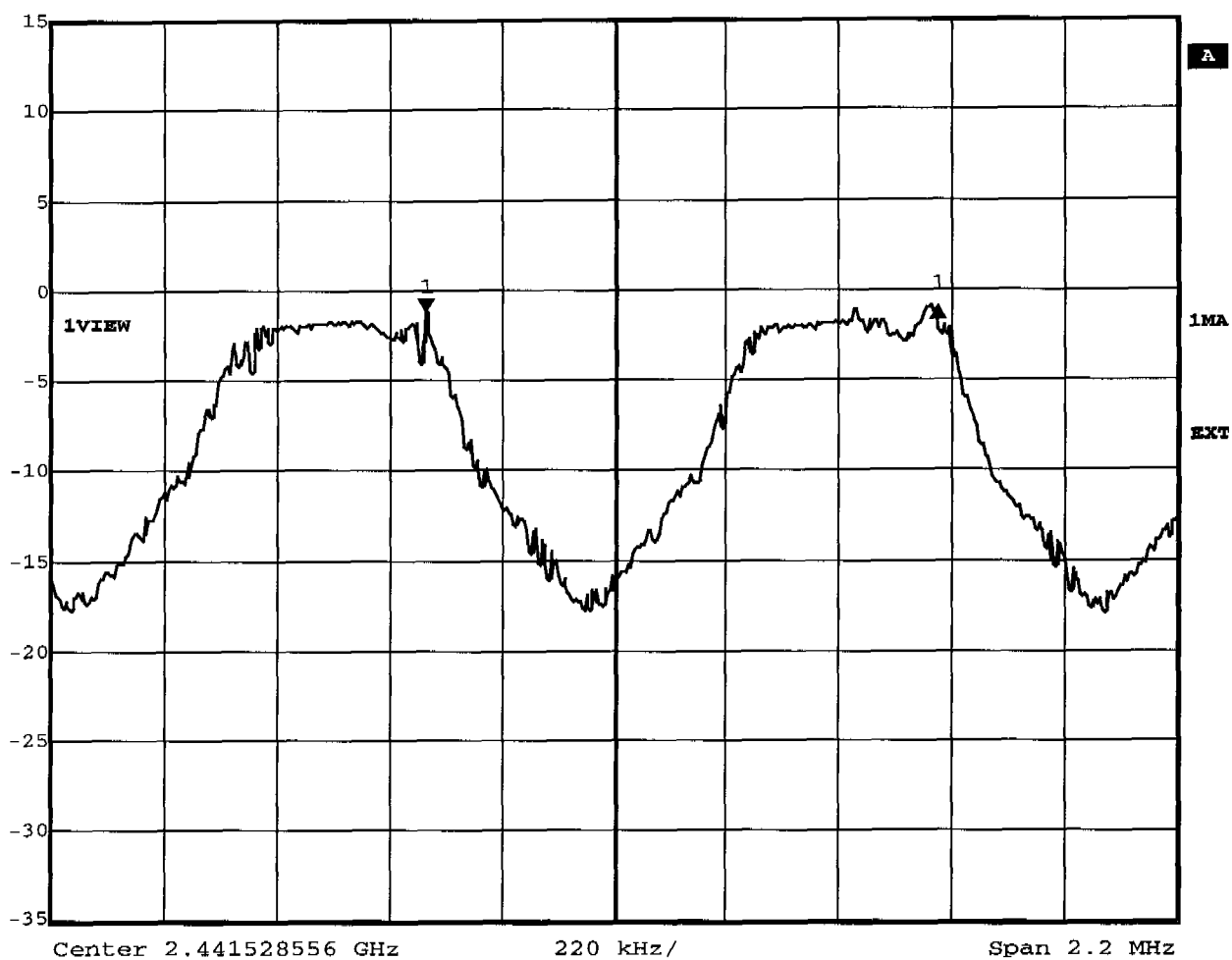
Spurious Emissions conducted - Transmitter operating

Appendix E

Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.07 dB VBW 100 kHz
15 dBm 1.00080160 MHz SWT 5 ms Unit dBm



Title: Carrier Frequency Separation
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 09:50:21

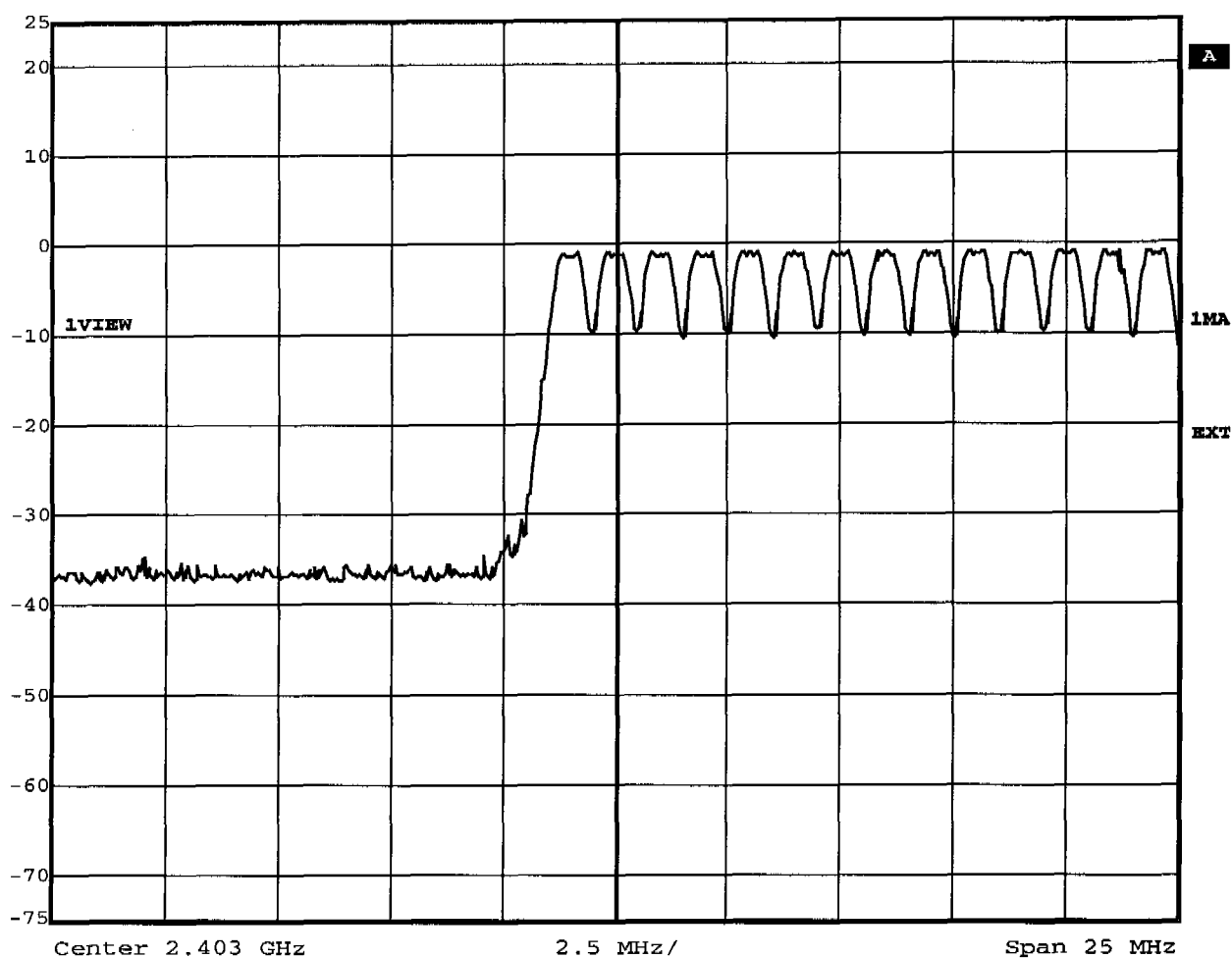
Appendix F

Number of Hopping Frequencies



Ref Lvl
25 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

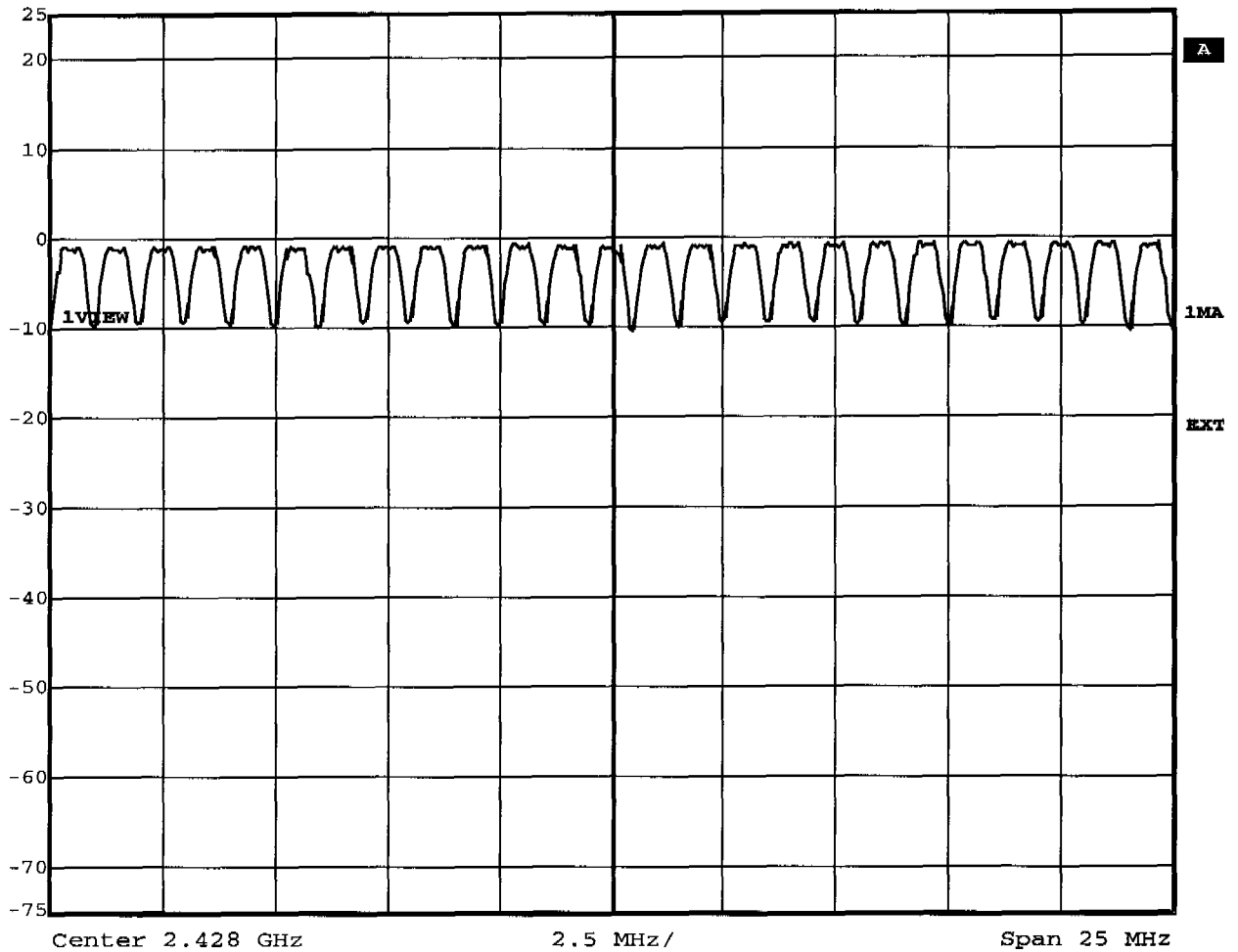


Title: Number of Hopping Frequencies Ch.: 0-13
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 10:06:04



Ref Lvl
25 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

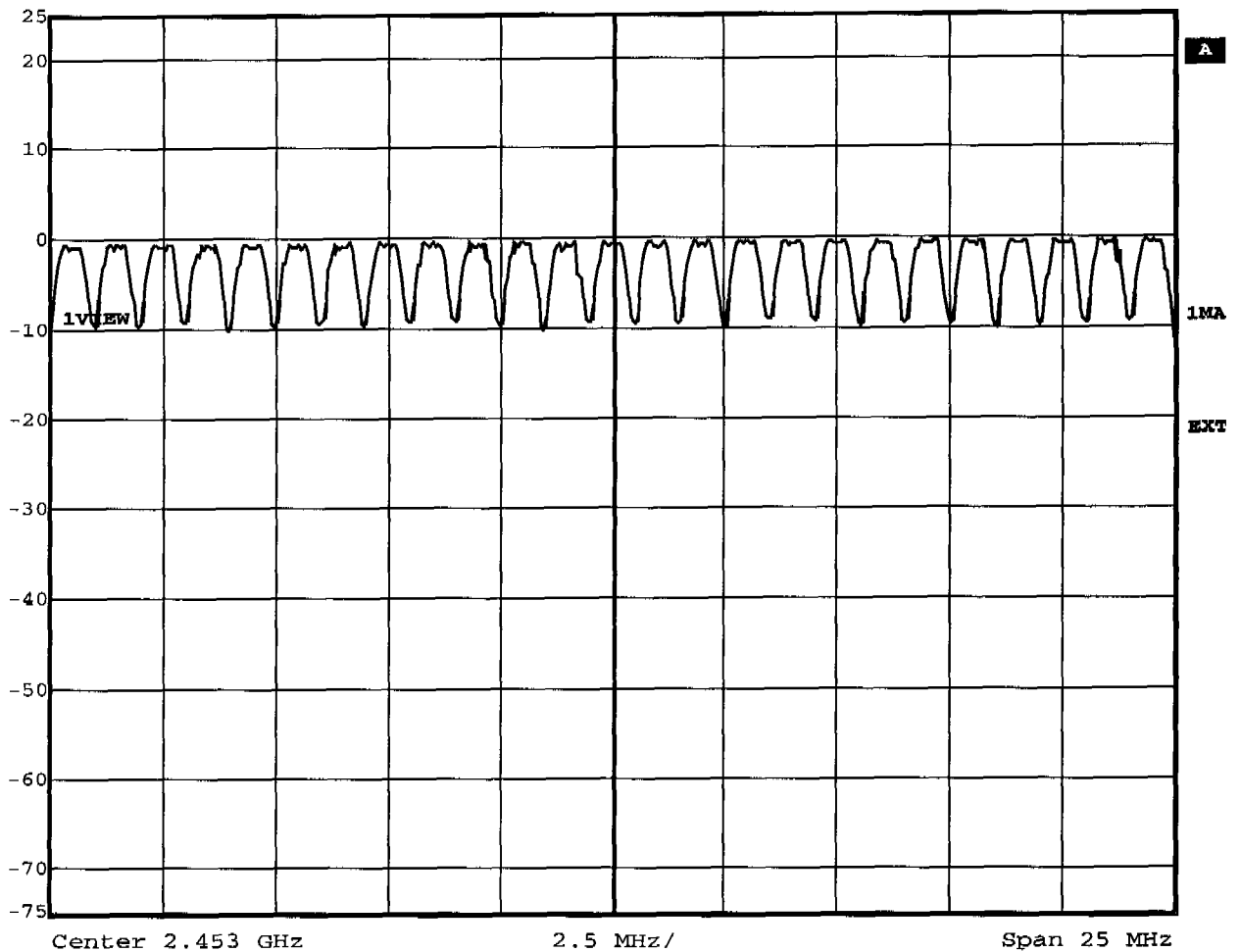


Title: Number of Hopping Frequencies Ch.: 14-38
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 10:08:10



Ref Lvl
25 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

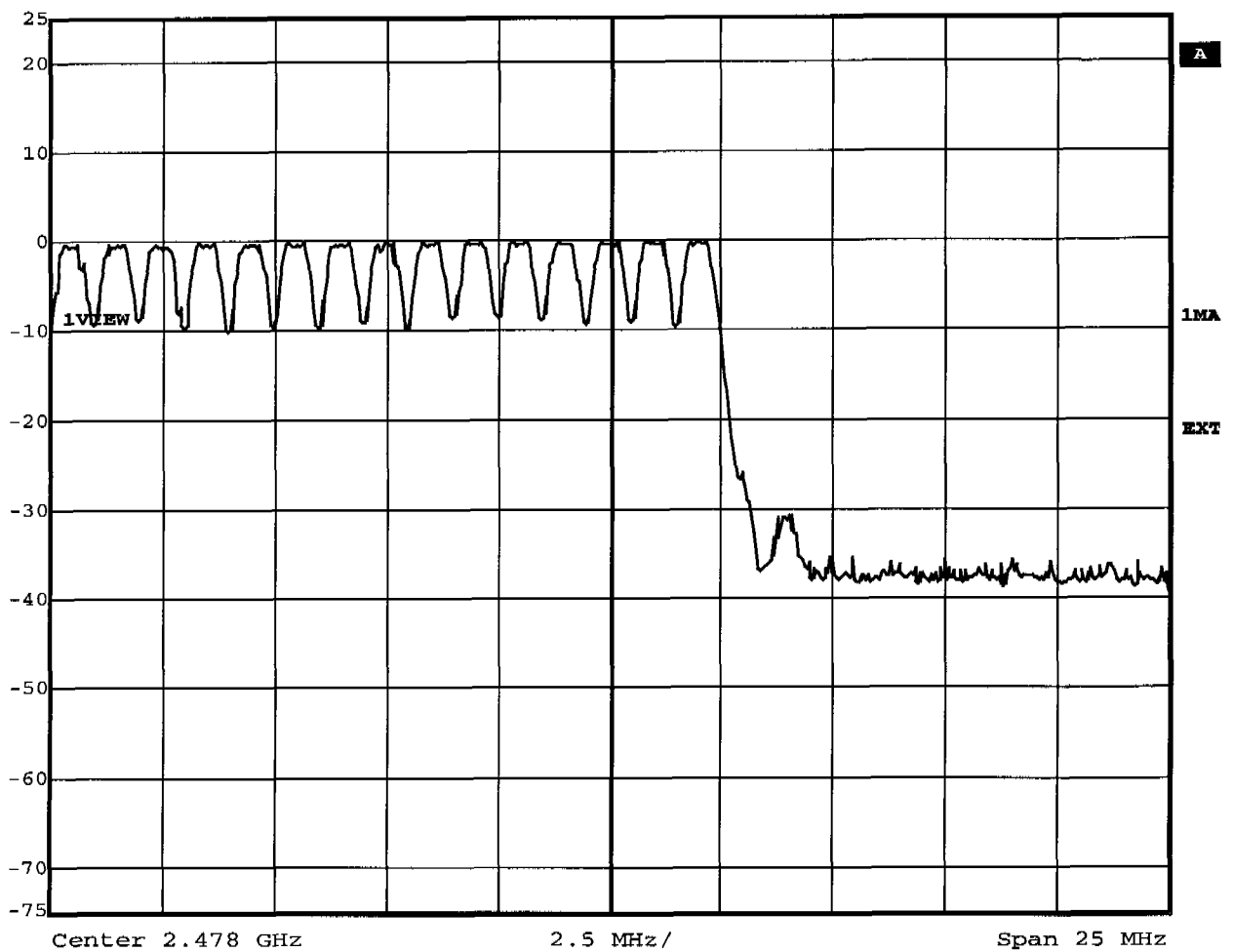


Title: Number of Hopping Frequencies Ch.: 39-63
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 10:10:02



Ref Lvl
25 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm



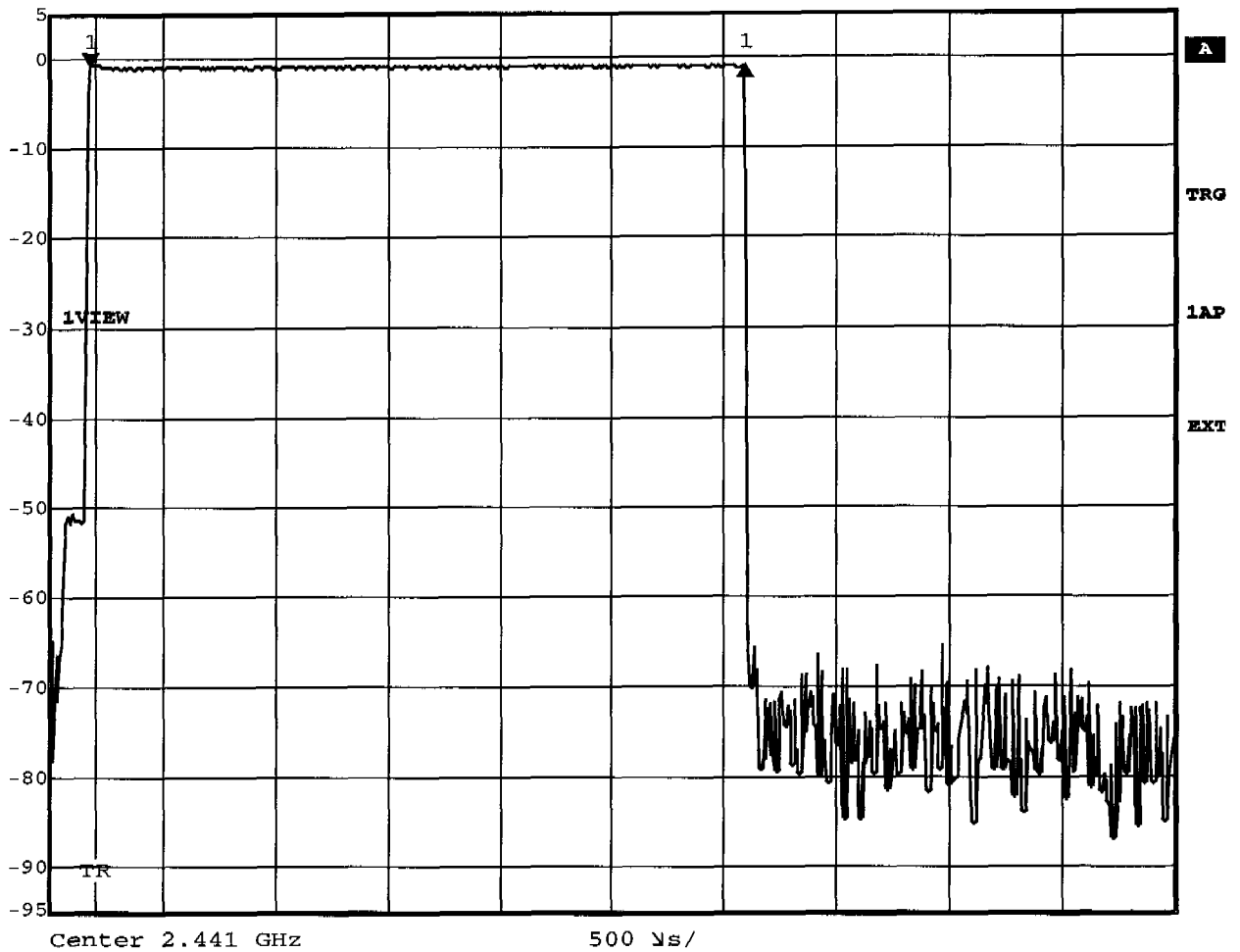
Title: Number of Hopping Frequencies Ch.: 64-78
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 10:11:41

Appendix G

Time of Occupancy (Dwell Time)



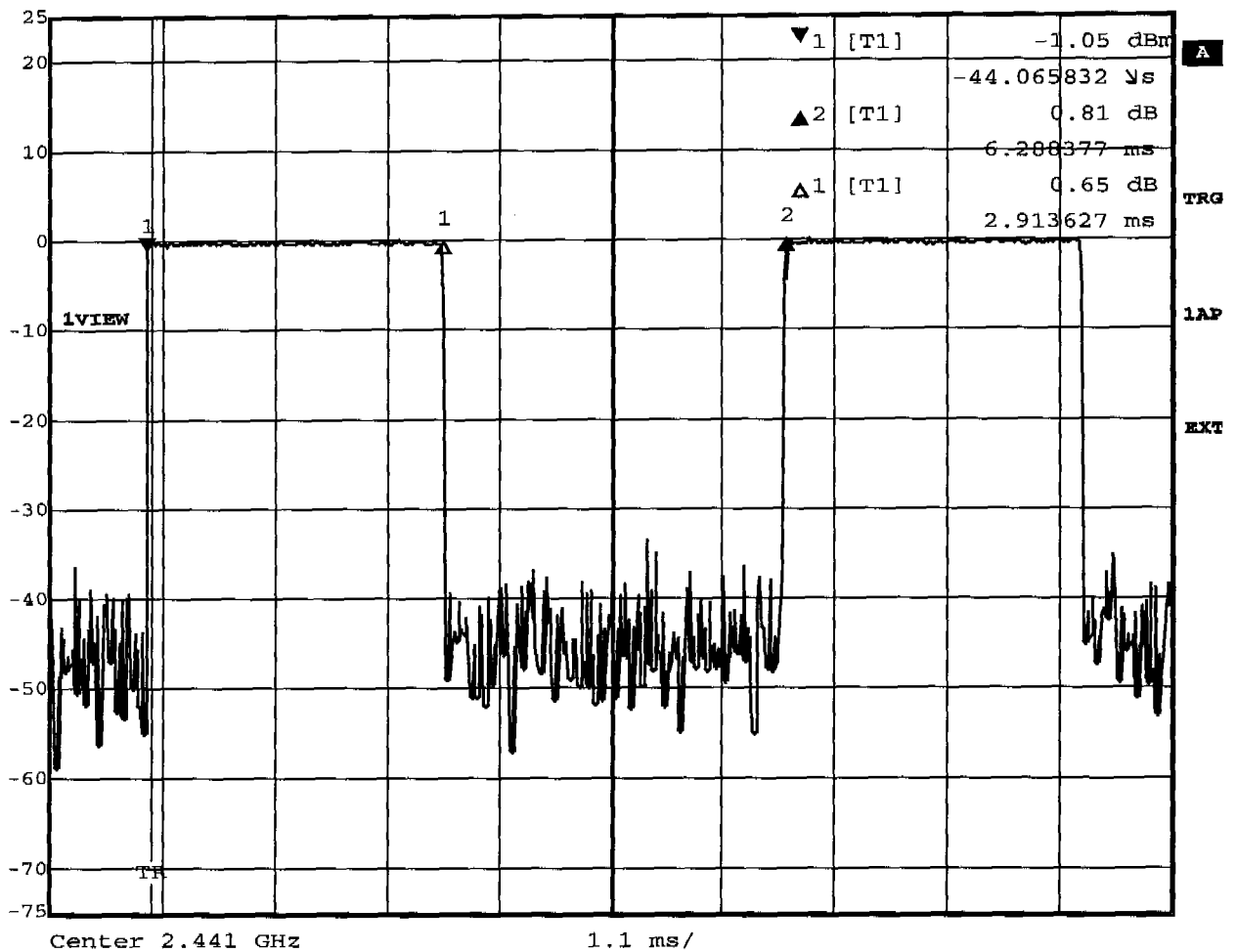
Delta 1 [T1]	RBW	1 MHz	RF Att	20 dB
Ref Lvl	-0.19 dB	VBW	1 MHz	
5 dBm	2.912689 ms	SWT	5 ms	Unit dBm



Title: Time of occupancy (Hopping DH5) 64 events * 2.913ms=186.43ms
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 10:45:03



Delta 2 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 0.81 dB VBW 1 MHz
25 dBm 6.288377 ms SWT 11 ms Unit dBm



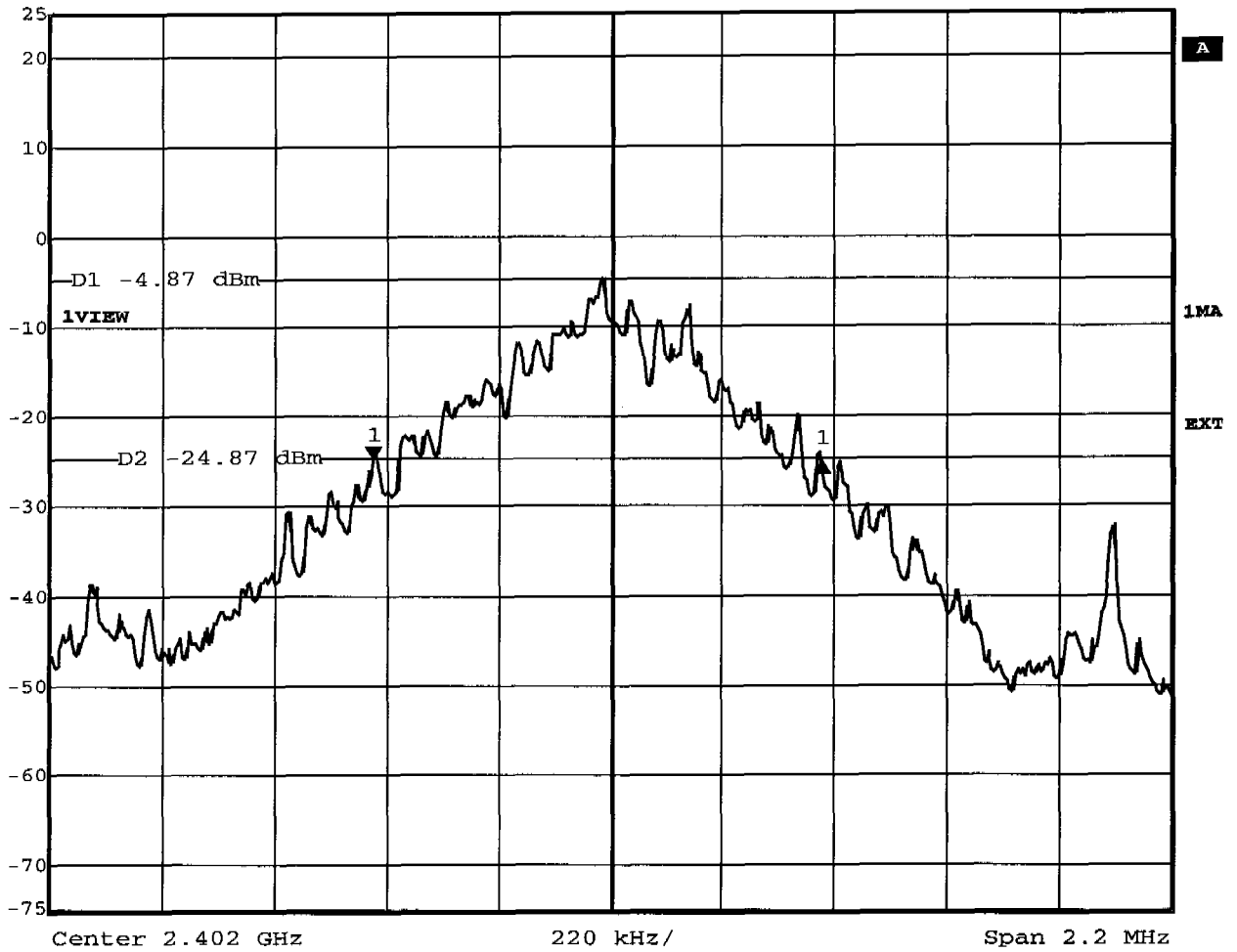
Title: Duty Cycle
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 09:13:23

Appendix H

20dB Bandwidth



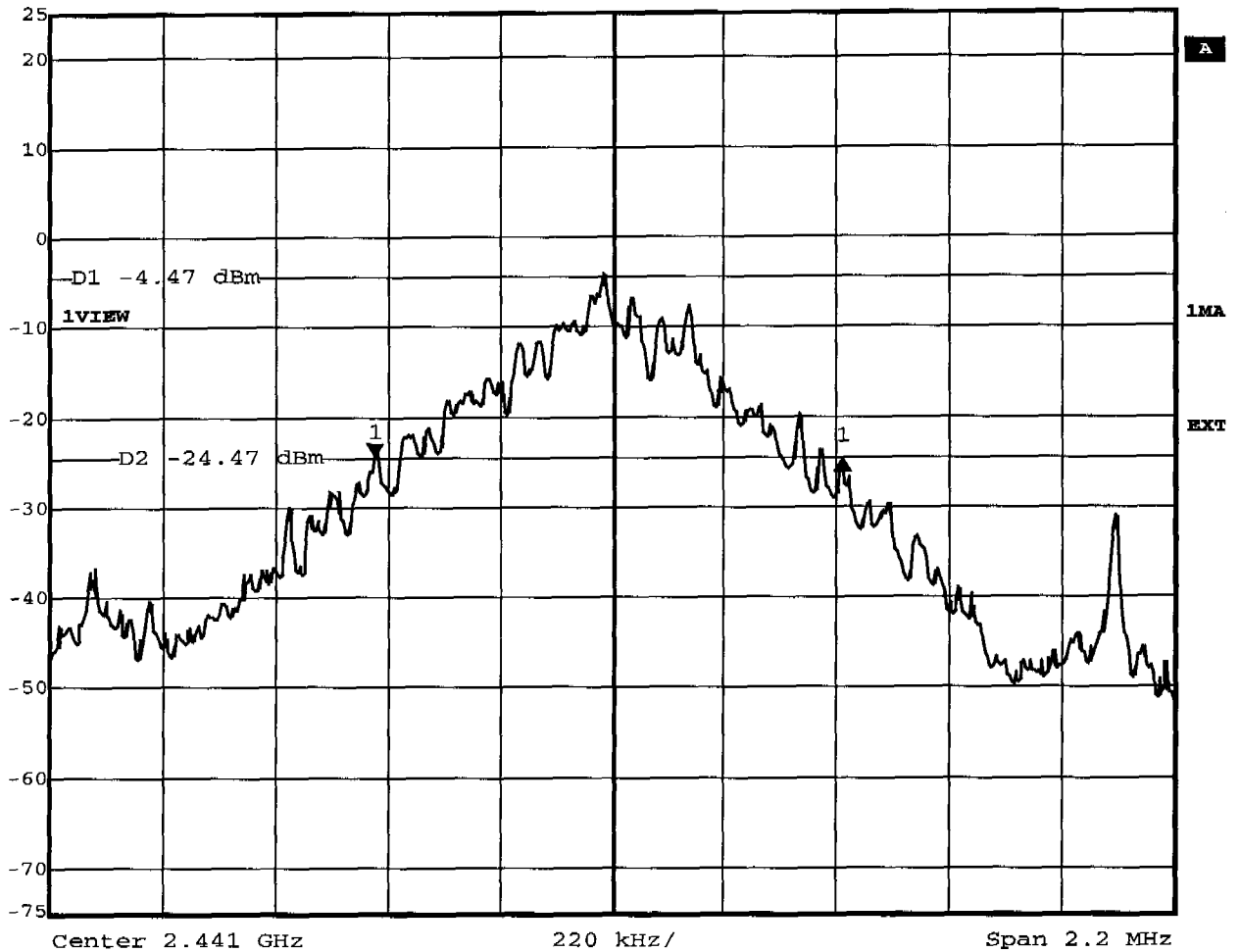
Ref Lvl	Delta 1 [T1]	RBW	10 kHz	RF Att	50 dB
25 dBm	-0.47 dB	VBW	10 kHz		
	881.76352705 kHz	SWT	56 ms	Unit	dBm



Title: -20dB Bandwidth Ch.: 0
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 08:57:00



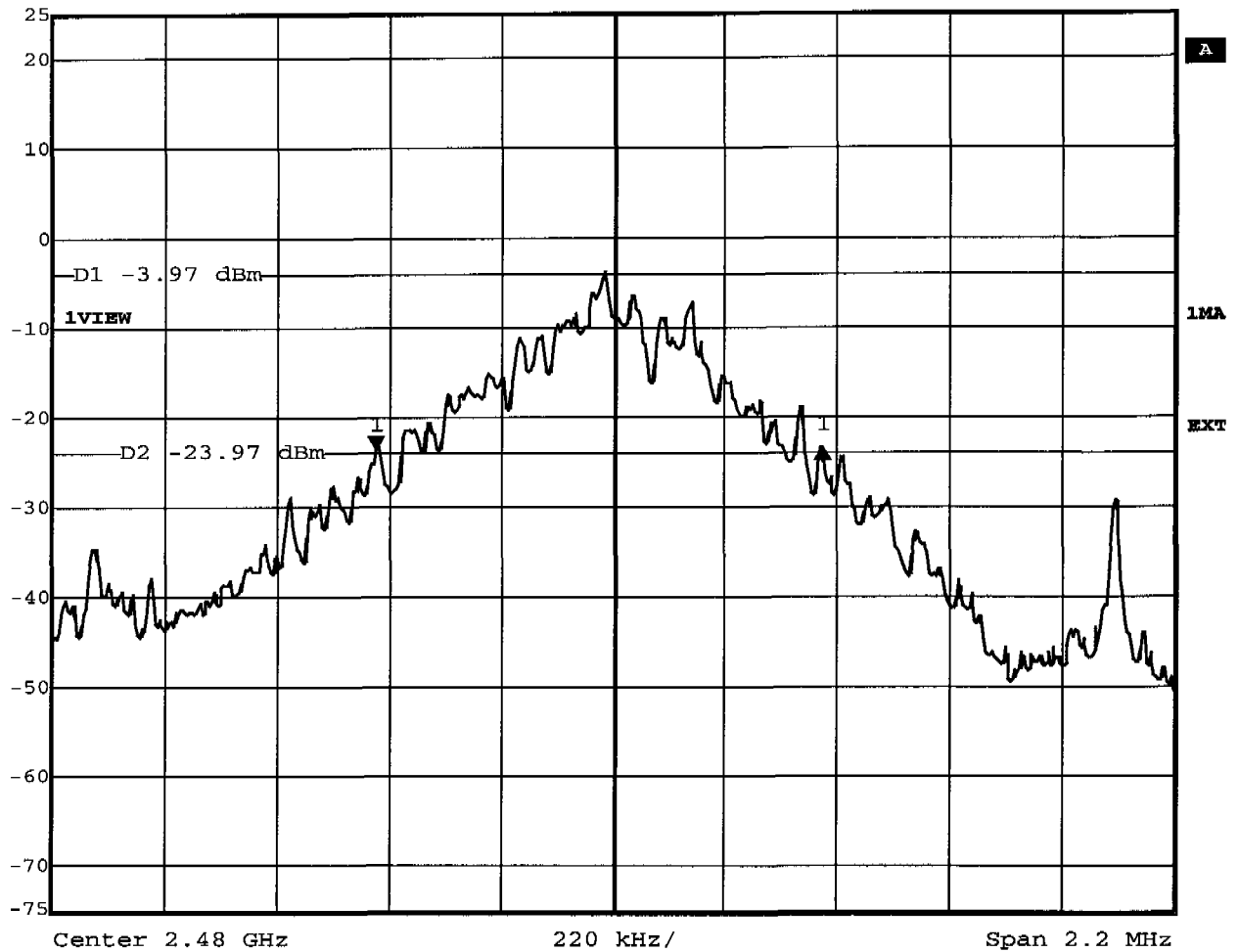
Ref Lvl	Delta 1 [T1]	RBW	10 kHz	RF Att	50 dB
25 dBm	-0.68 dB	VBW	10 kHz		
	917.03406814 kHz	SWT	56 ms	Unit	dBm



Title: -20dB Bandwidth Ch.: 39
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 08:58:55



Ref Lvl	Delta 1 [T1]	RBW	10 kHz	RF Att	50 dB
25 dBm	0.13 dB	VBW	10 kHz		
	877.35470942 kHz	SWT	56 ms	Unit	dBm



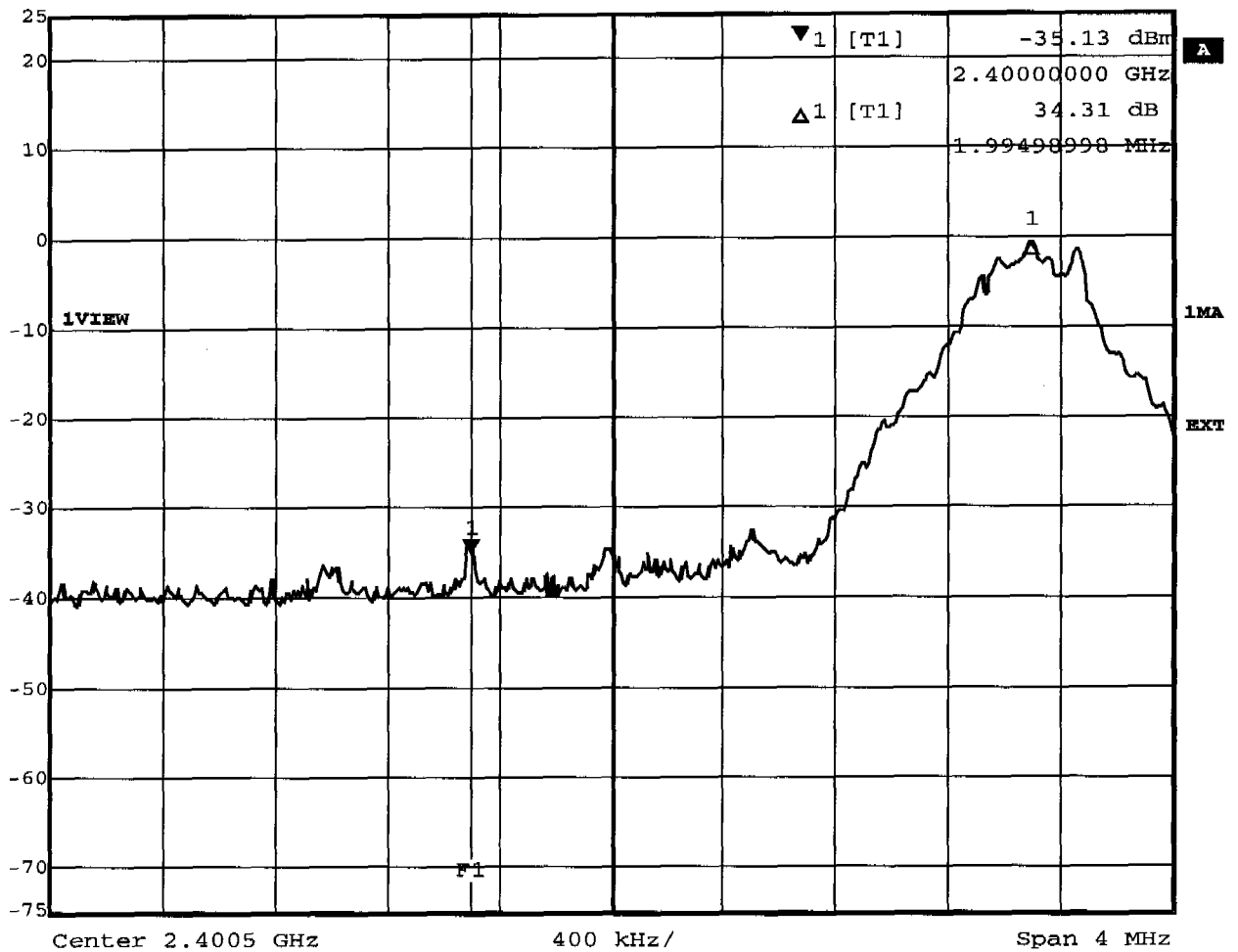
Title: -20dB Bandwidth Ch.: 78
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 09:03:14

Appendix I

Band-edge Compliance of RF Emissions



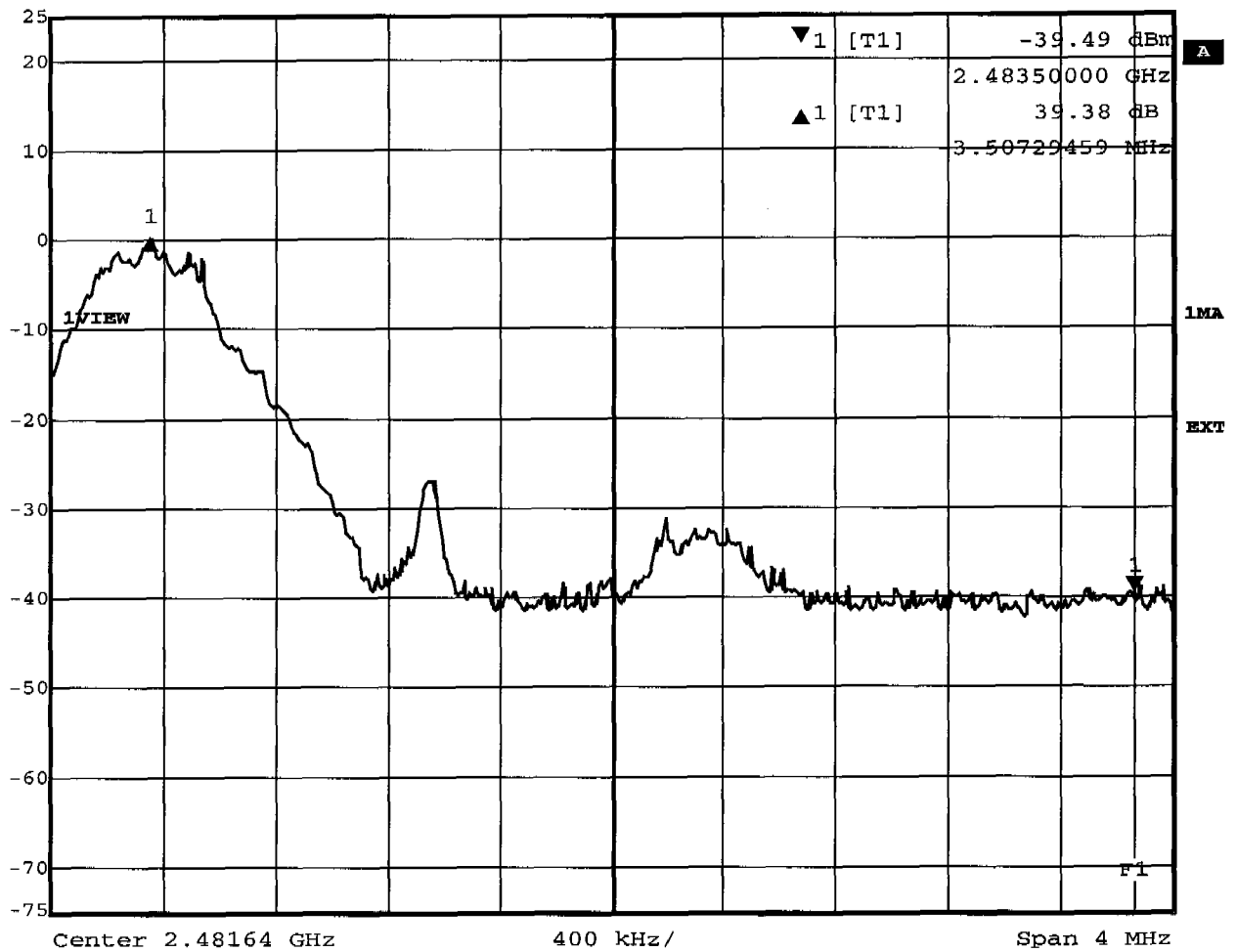
Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -35.13 dBm VBW 50 kHz
25 dBm 2.40000000 GHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 09:08:06



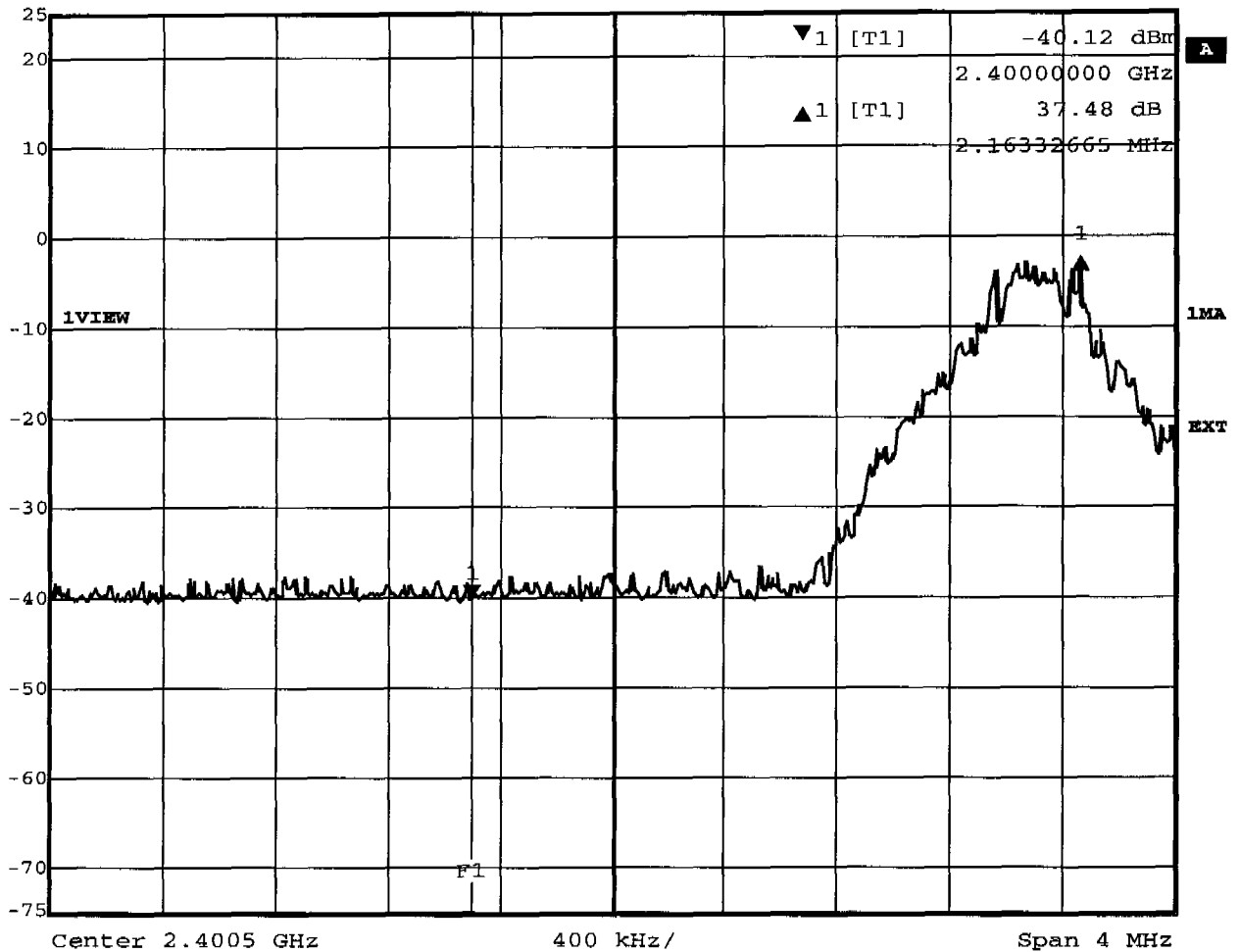
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 39.38 dB VBW 50 kHz
25 dBm -3.50729459 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 09:09:42



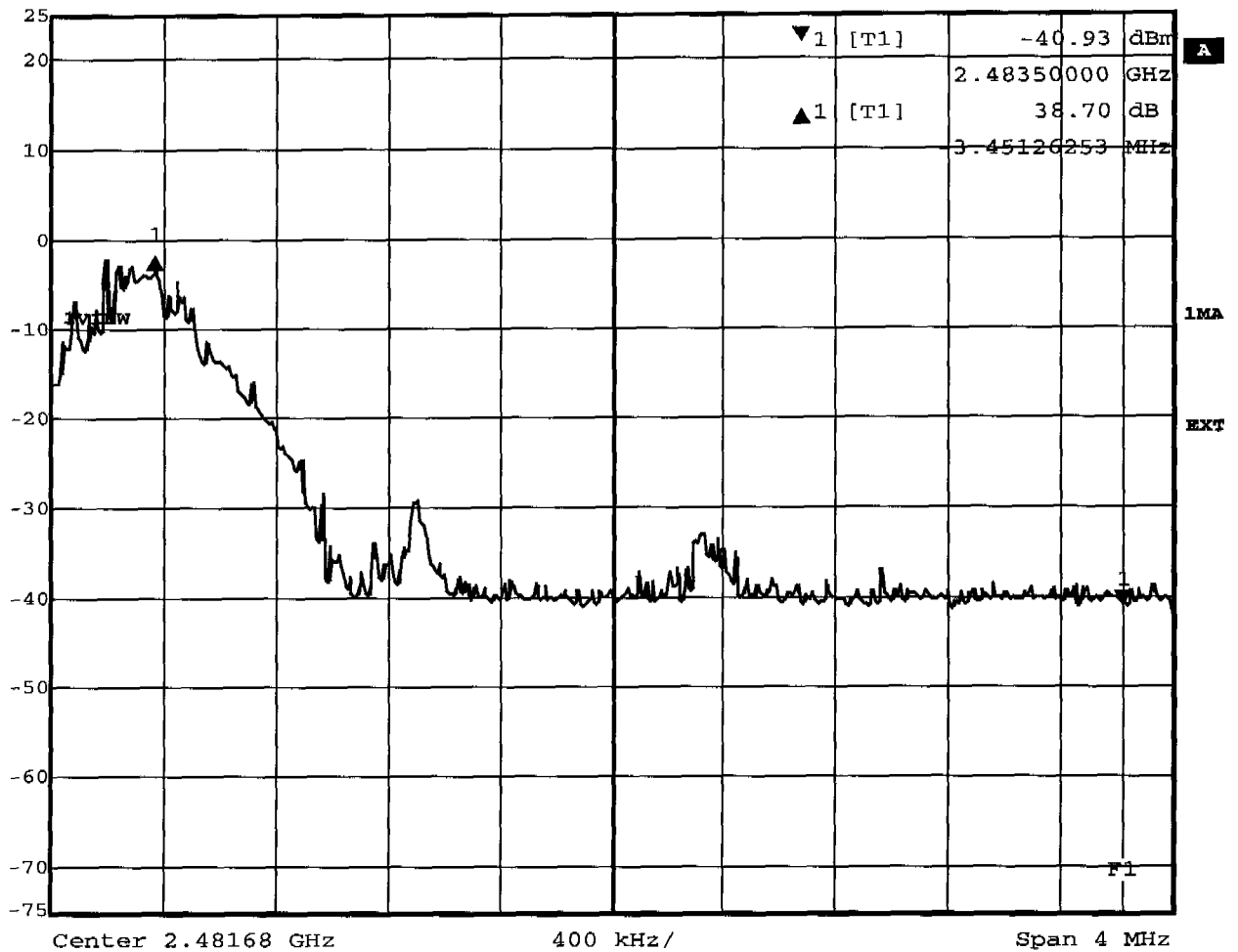
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 37.48 dB VBW 50 kHz
25 dBm 2.16332665 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 09:59:05



Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 38.70 dB VBW 50 kHz
25 dBm -3.45126253 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: Nonin Medical Inc. Pulse oximeter 4100
Date: 12.AUG.2003 10:02:57

Appendix J

Conducted Measurement at (AC) Power Line