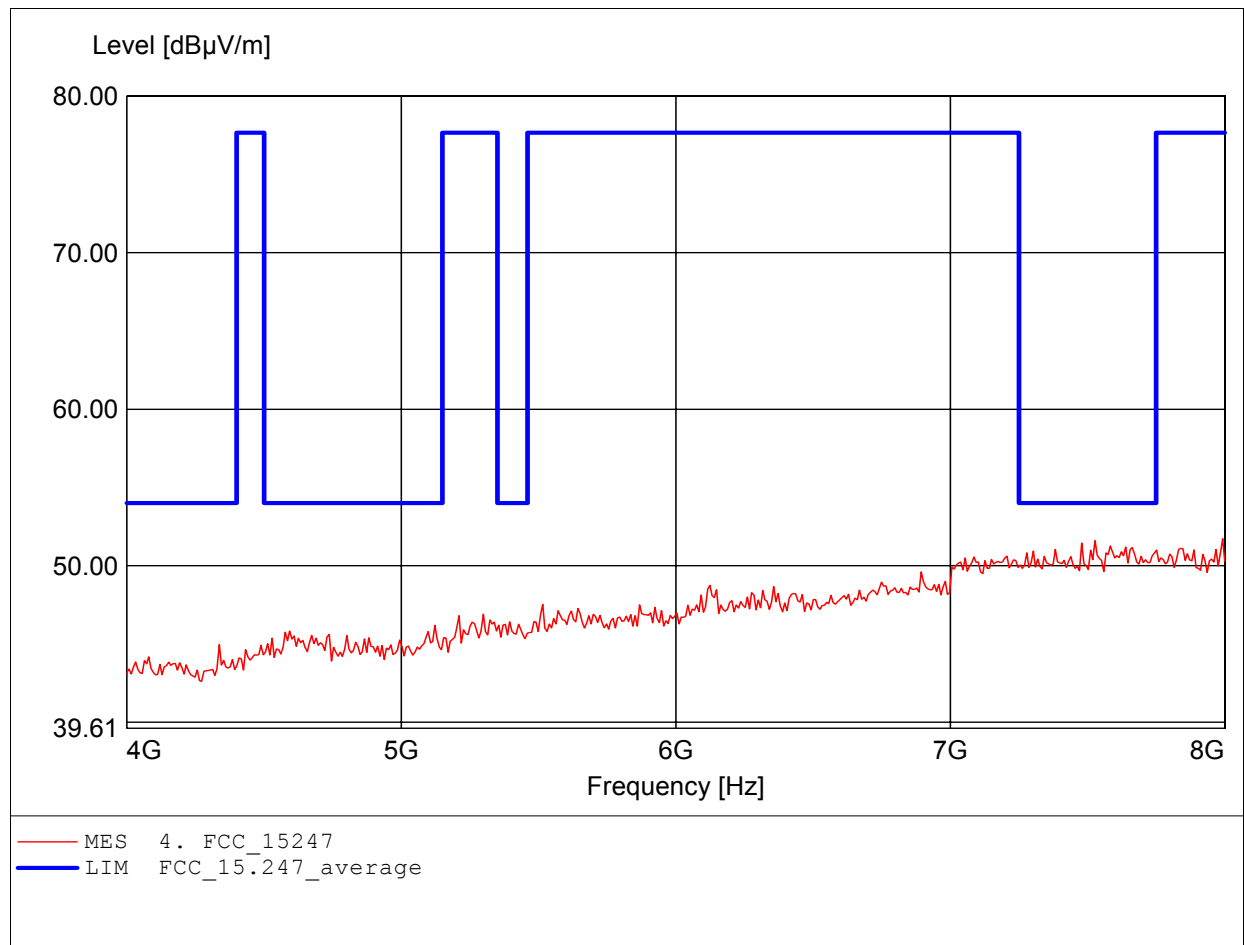


Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

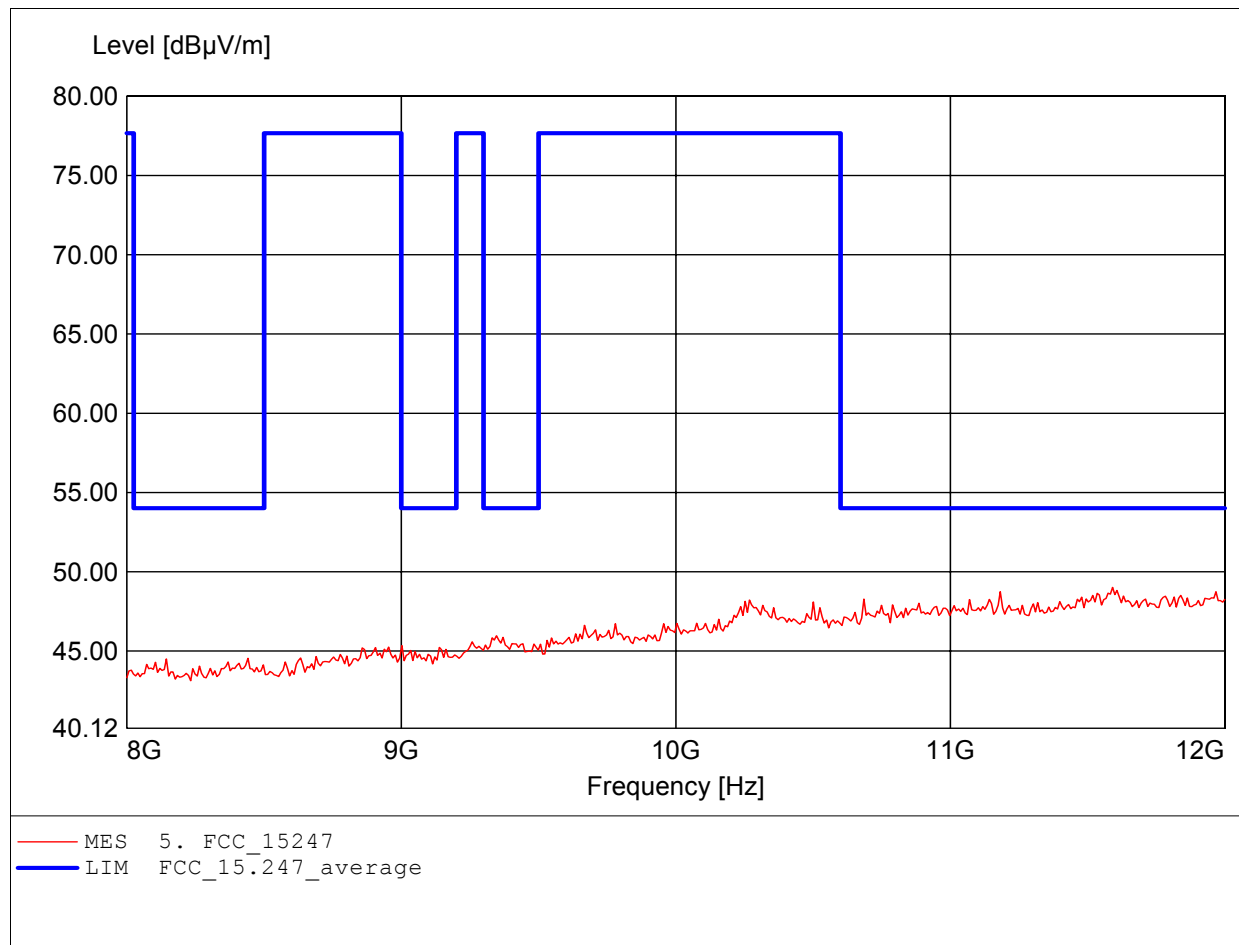
EUT: Wireless 11g Compact USB Adapter
MODEL NO.: WL-685R 11g Ch11
Approval Holder: SparkLAN Communications, Inc.
Test Site / Operator: ETS / Orville Cahng
Temperature/Voltage: Temp.: 23°C/ Unom.: 120 VAC (power over PC)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.992GHz, Emax: 51.72dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

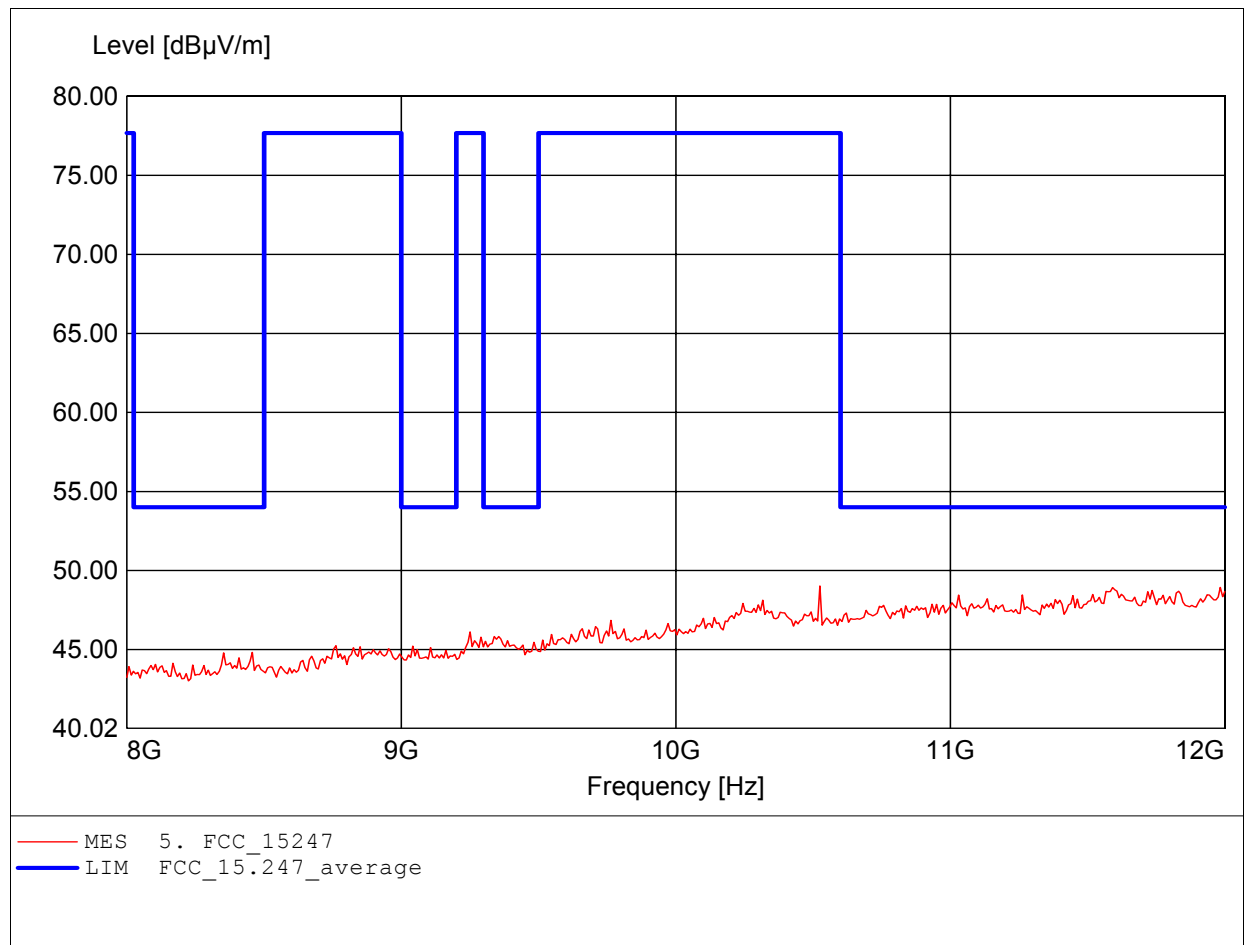
EUT: Wireless 11g Compact USB Adapter
MODEL NO.: WL-685R 11g Ch11
Approval Holder: SparkLAN Communications, Inc.
Test Site / Operator: ETS / Orville Cahng
Temperature/Voltage: Temp.: 23°C/ Unom.: 120 VAC (power over PC)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.591GHz, Emax: 49.01dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

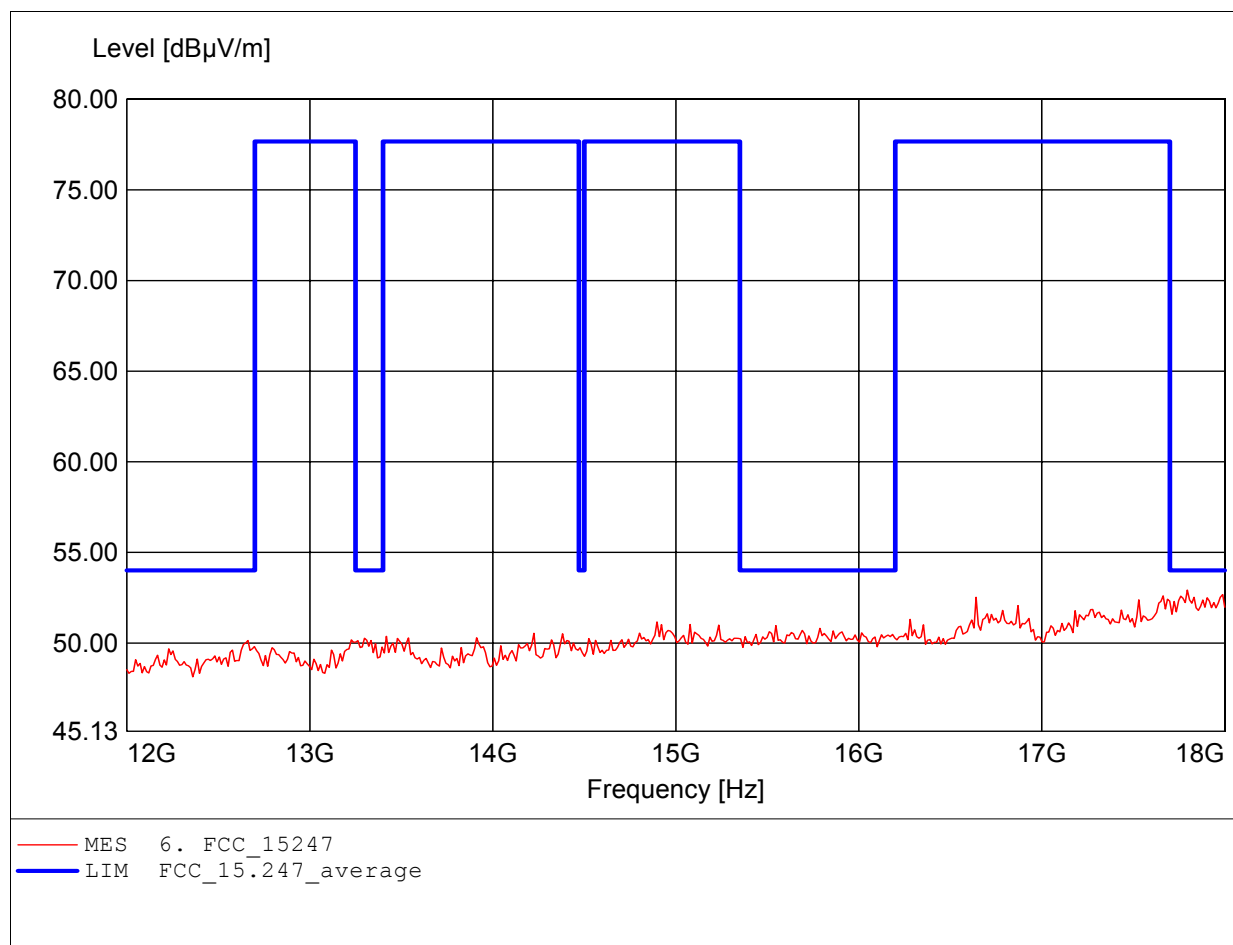
EUT: Wireless 11g Compact USB Adapter
MODEL NO.: WL-685R 11g Ch11
Approval Holder: SparkLAN Communications, Inc.
Test Site / Operator: ETS / Orville Cahng
Temperature/Voltage: Temp.: 23°C/ Unom.: 120 VAC (power over PC)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 10.525GHz, Emax: 49.02dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

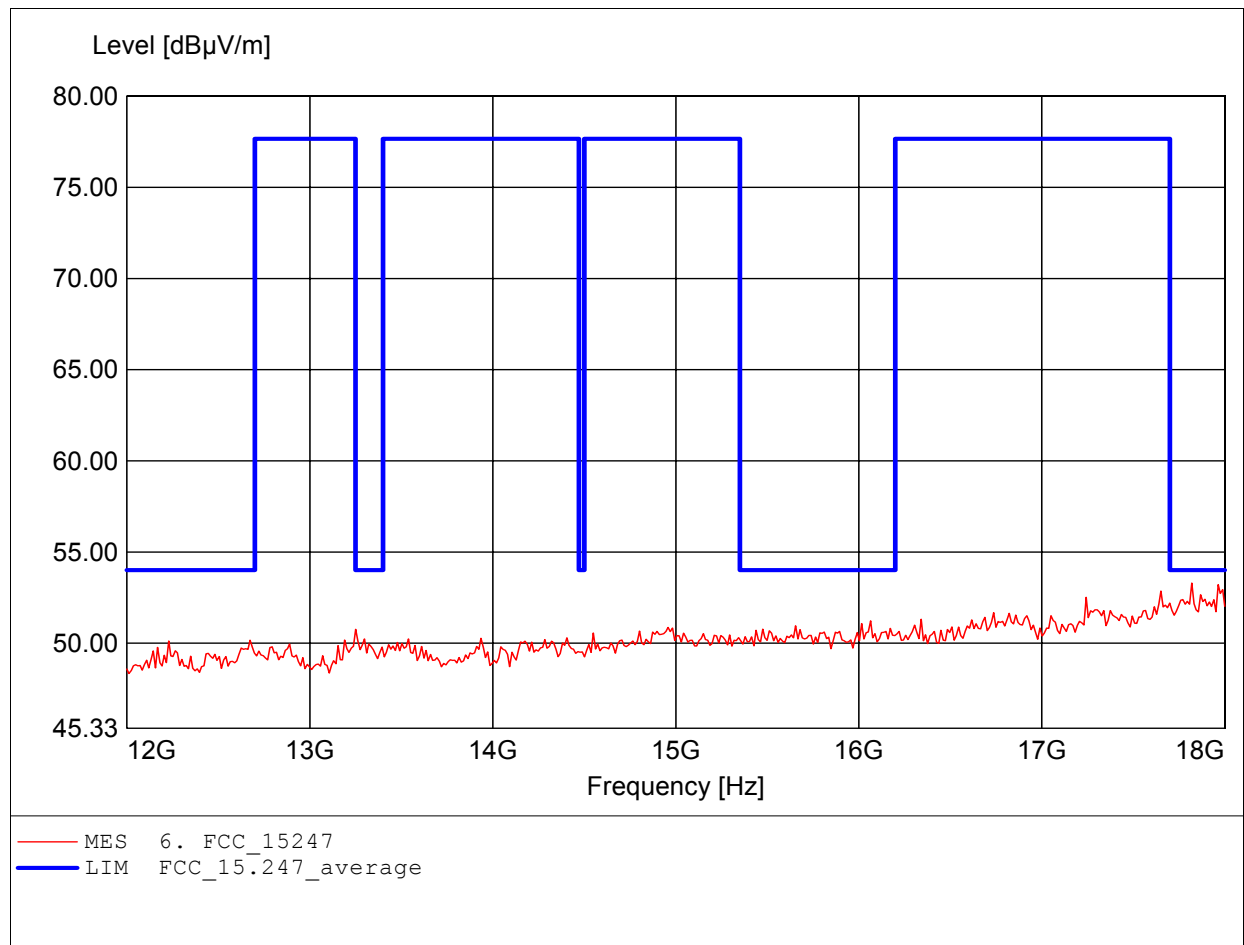
EUT: Wireless 11g Compact USB Adapter
MODEL NO.: WL-685R 11g Ch11
Approval Holder: SparkLAN Communications, Inc.
Test Site / Operator: ETS / Orville Cahng
Temperature/Voltage: Temp.: 23°C/ Unom.: 120 VAC (power over PC)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.796GHz, Emax: 52.92dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

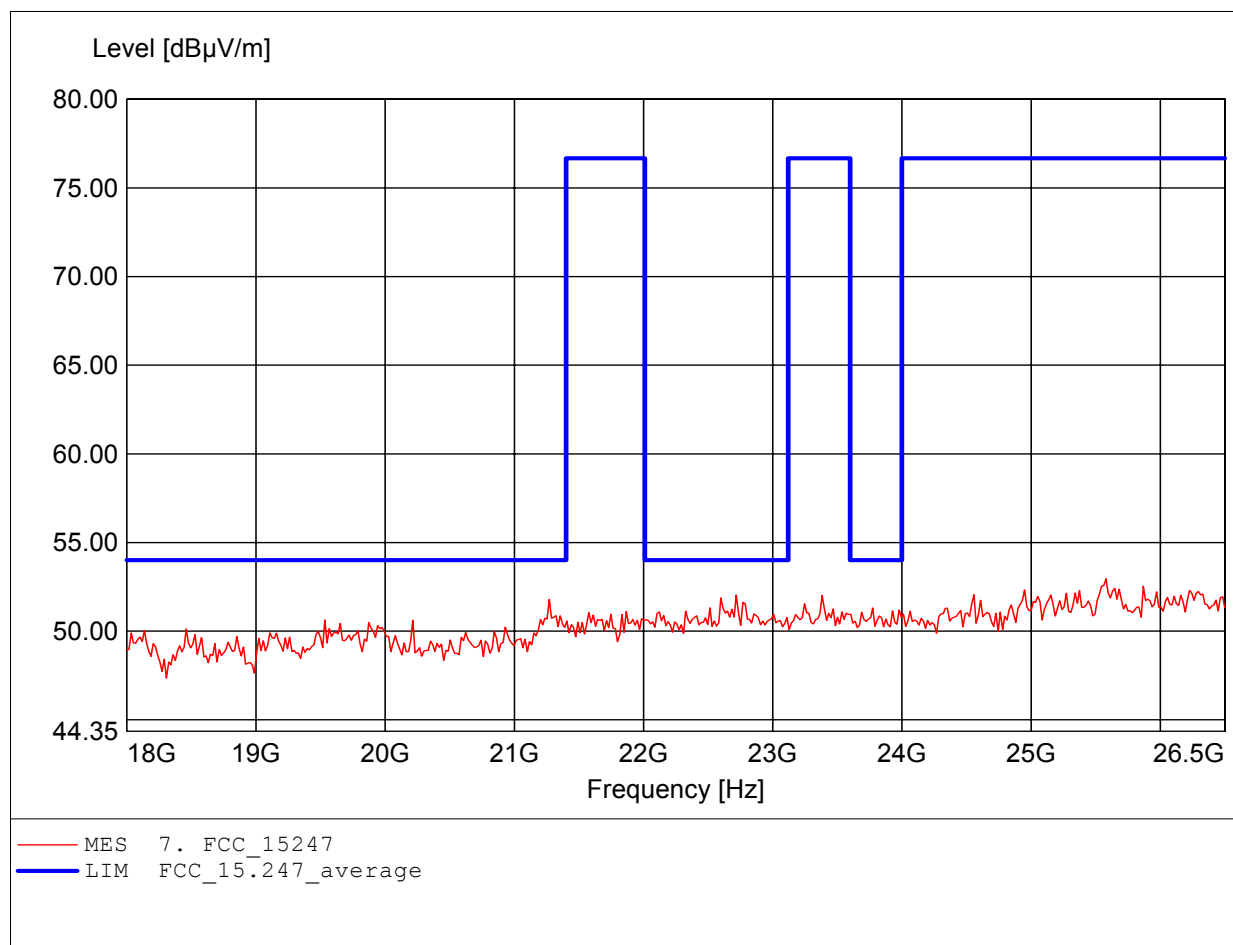
EUT: Wireless 11g Compact USB Adapter
MODEL NO.: WL-685R 11g Ch11
Approval Holder: SparkLAN Communications, Inc.
Test Site / Operator: ETS / Orville Cahng
Temperature/Voltage: Temp.: 23°C/ Unom.: 120 VAC (power over PC)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.820GHz, Emax: 53.29dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

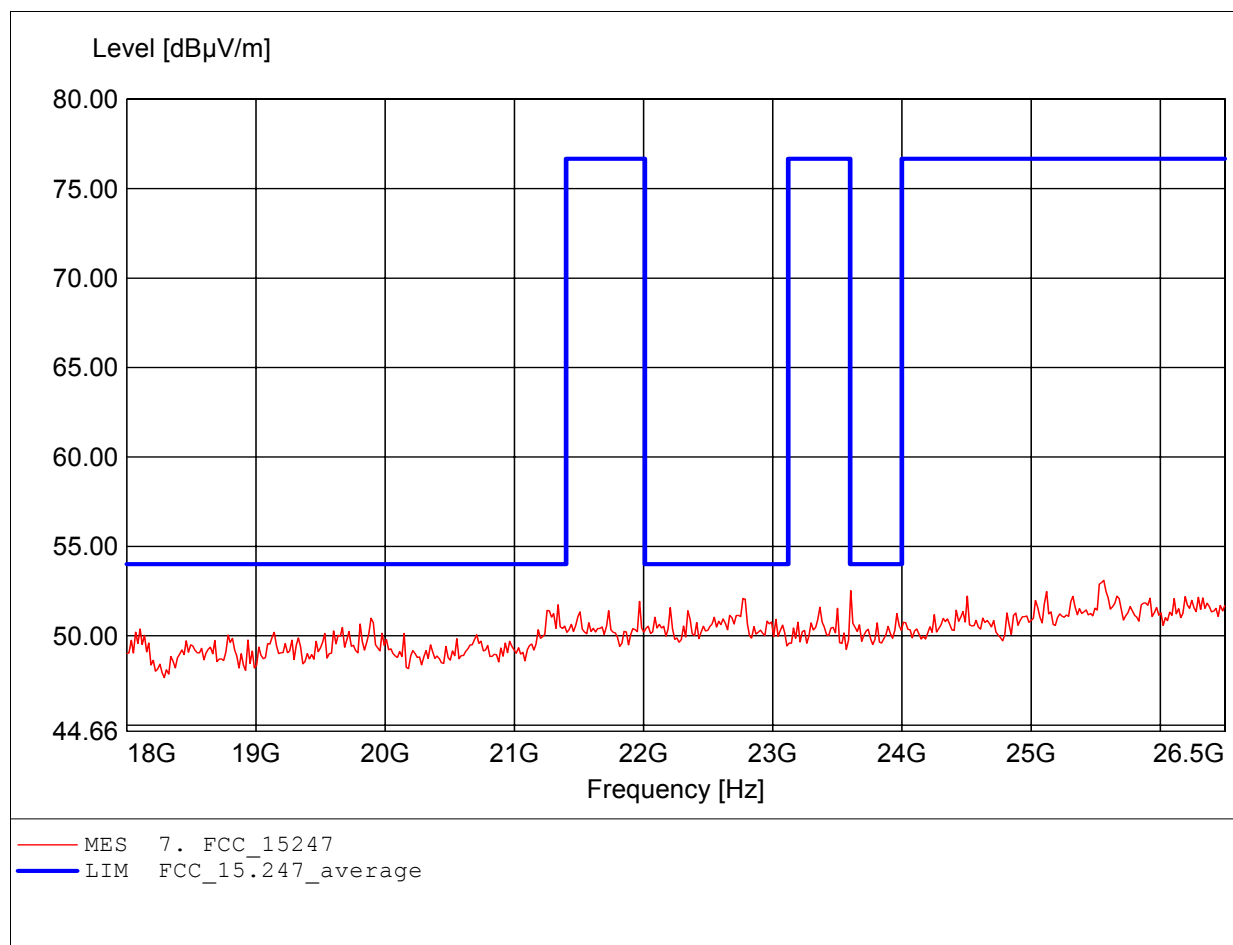
EUT: Wireless 11g Compact USB Adapter
MODEL NO.: WL-685R 11G Ch11
Approval Holder: SparkLAN Communications, Inc.
Test Site / Operator: ETS / Orville Chang
Temperature/Voltage: Temp.: 23°C/ Unom.: 120 VAC (power over PC)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.580GHz, Emax: 52.96dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

EUT: Wireless 11g Compact USB Adapter
MODEL NO.: WL-685R 11G Ch11
Approval Holder: SparkLAN Communications, Inc.
Test Site / Operator: ETS / Orville Chang
Temperature/Voltage: Temp.: 23°C/ Unom.: 120 VAC (power over PC)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.563GHz, Emax: 53.10dBμV/m, RBW: 1MHz



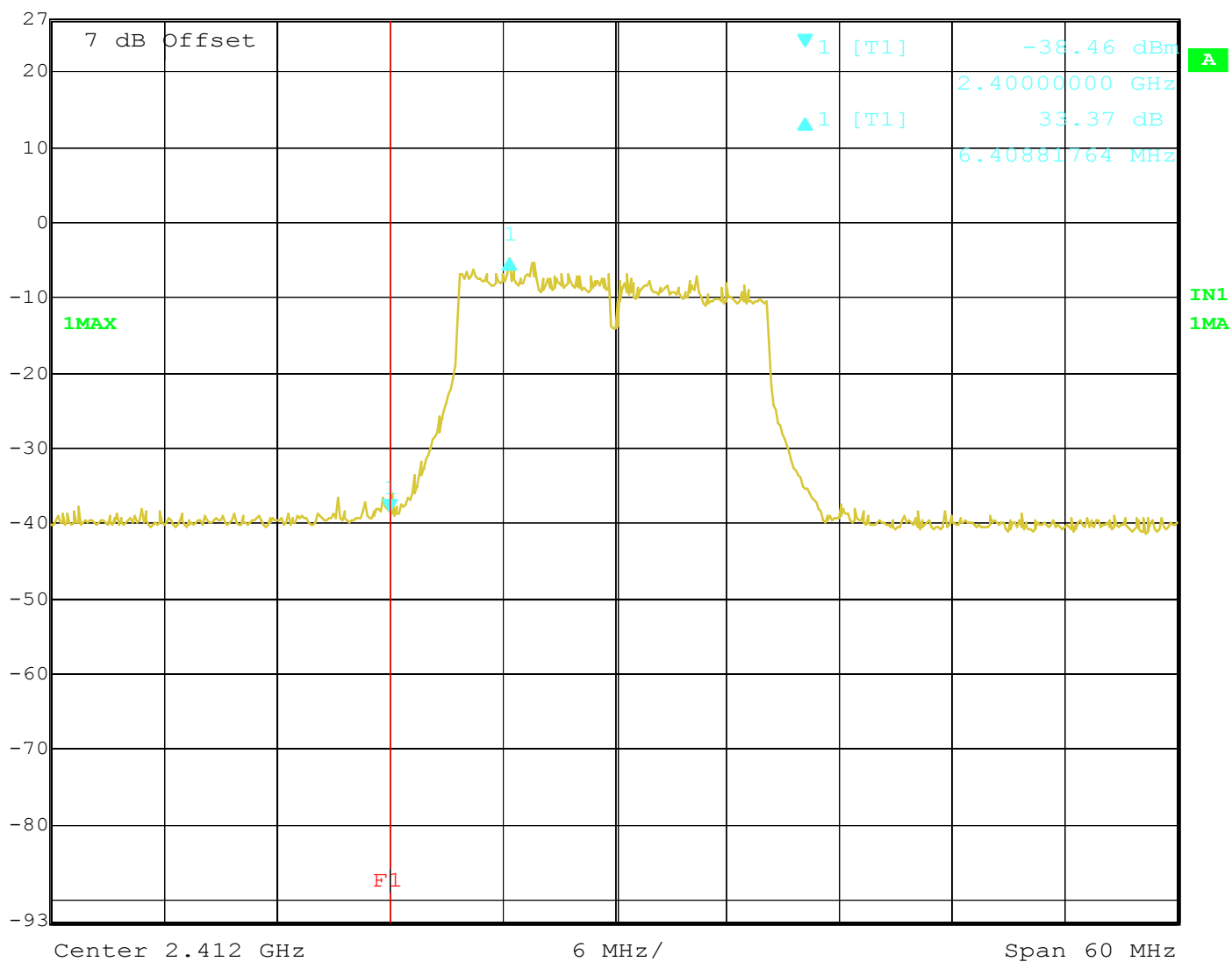
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

Appendix C

Band Edge Measurement



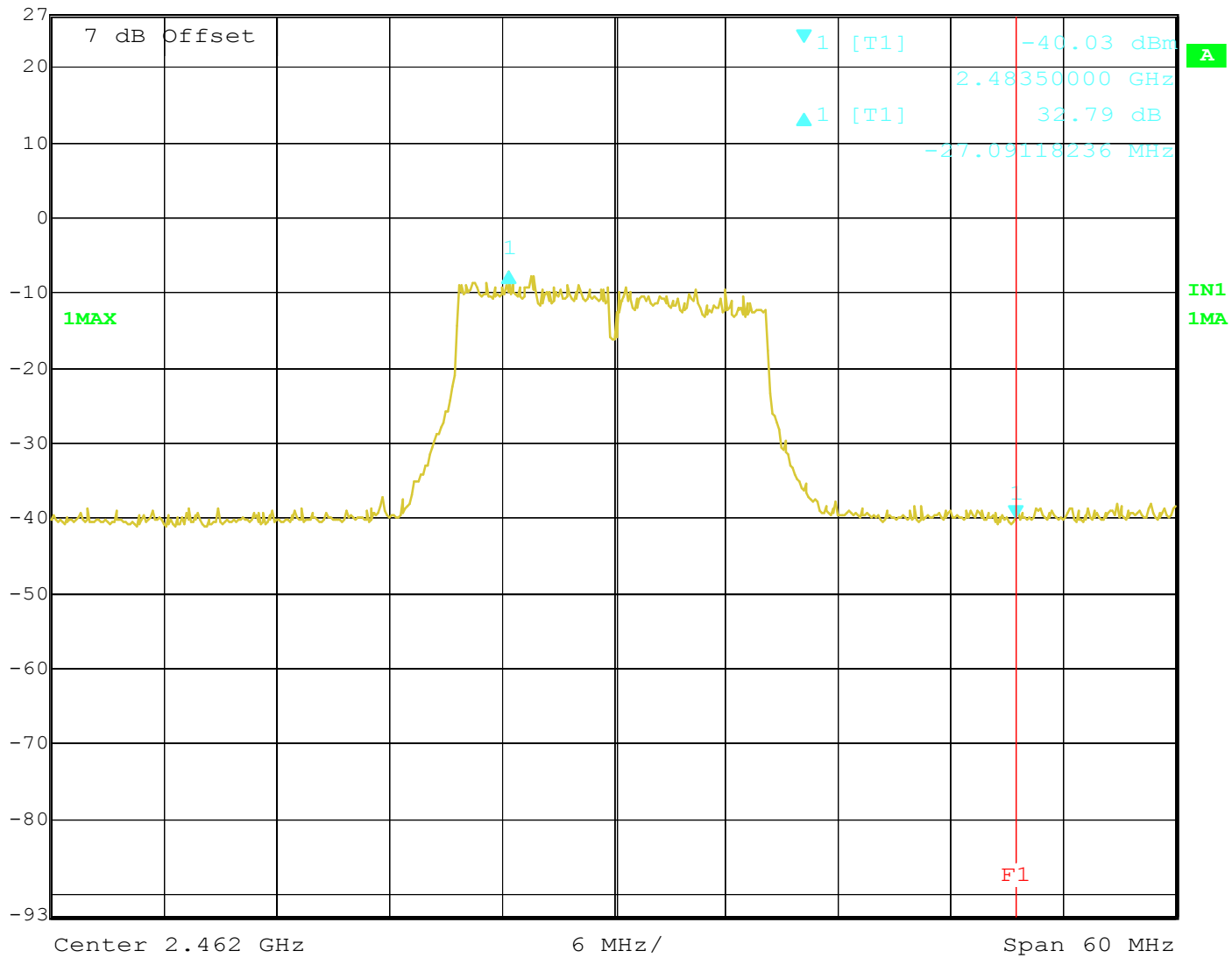
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 33.37 dB VBW 100 kHz
37 dBm 6.40881764 MHz SWT 500 ms Unit dBm



Title: 11G CH1 BANDEDGE
Comment A: SparkLAN Communications, Inc.
Date: 10.JUL.2004 05:15:15



Ref Lvl 37 dBm
Delta 1 [T1] 32.79 dB
-27.09118236 MHz
RBW 100 kHz
RF Att 40 dB
VBW 100 kHz
SWT 500 ms
Unit dBm



Title: 11G CH11 BANDEDGE
Comment A: SparkLAN Communications, Inc.
Date: 10.JUL.2004 05:13:04

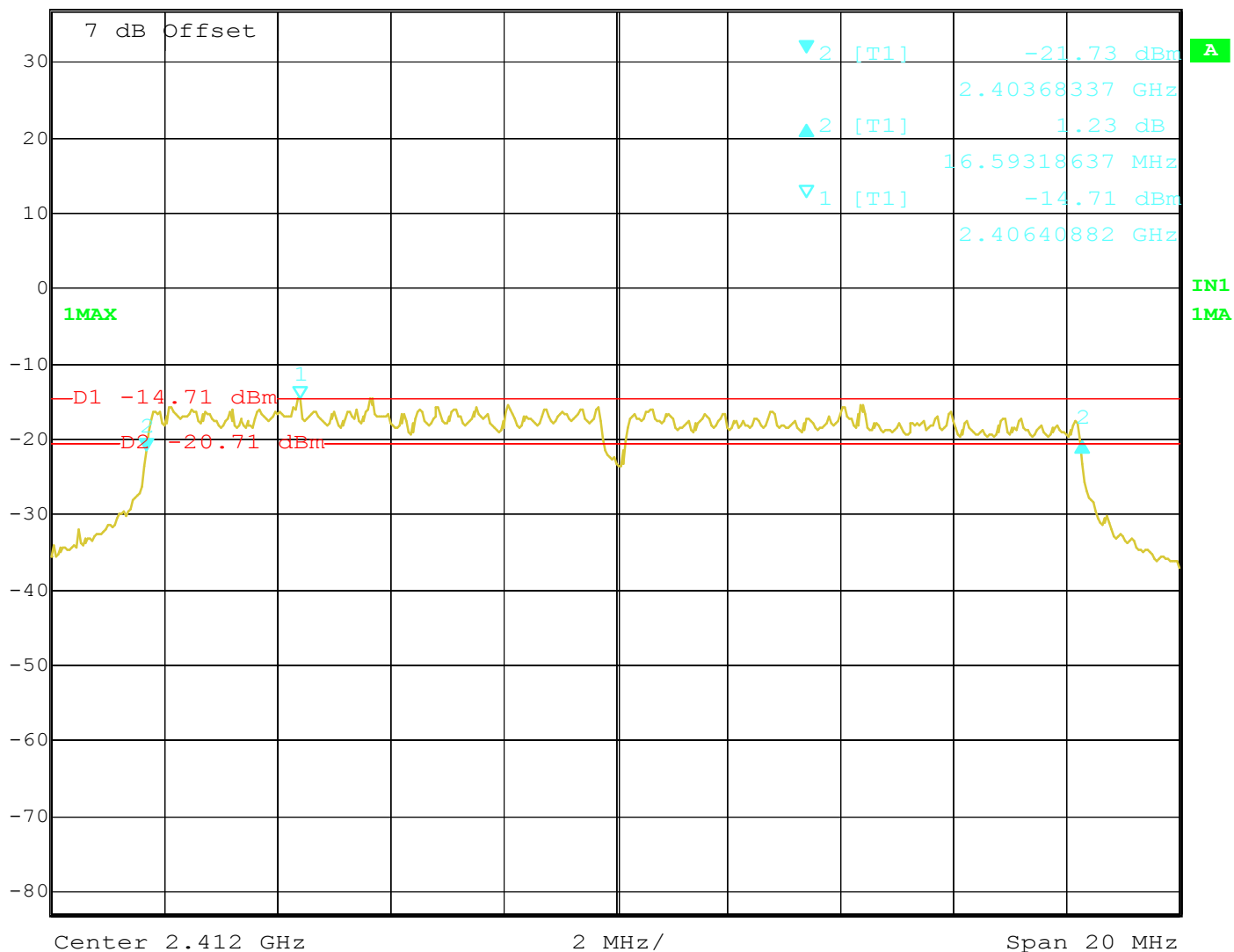
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

Appendix D

Maximum 6dB Bandwidth



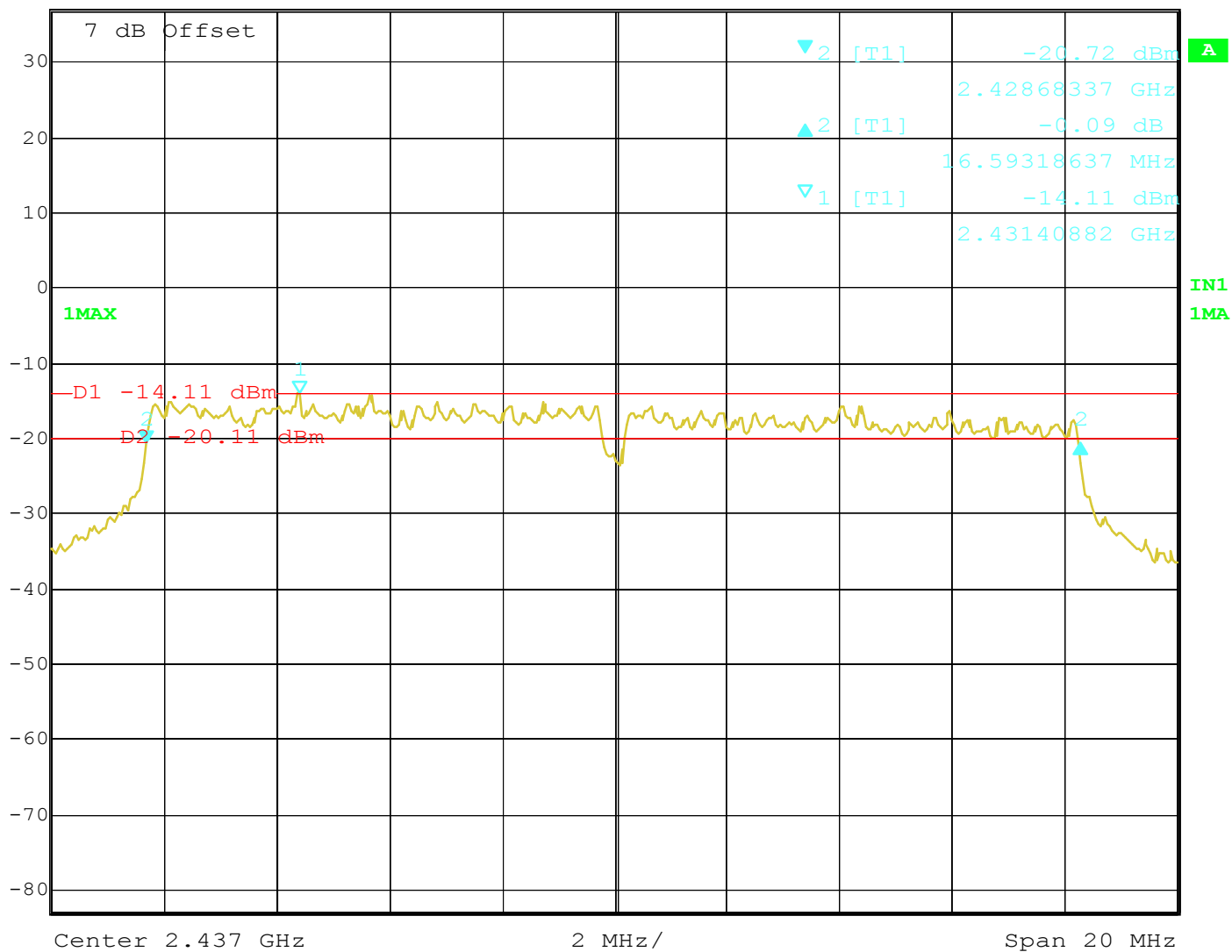
Delta 2 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.23 dB VBW 500 kHz
37 dBm 16.59318637 MHz SWT 500 ms Unit dBm



Title: 11G CH1 6dB BANDWIDTH
Comment A: SparkLAN Communications, Inc.
Date: 4.AUG.2004 16:24:32



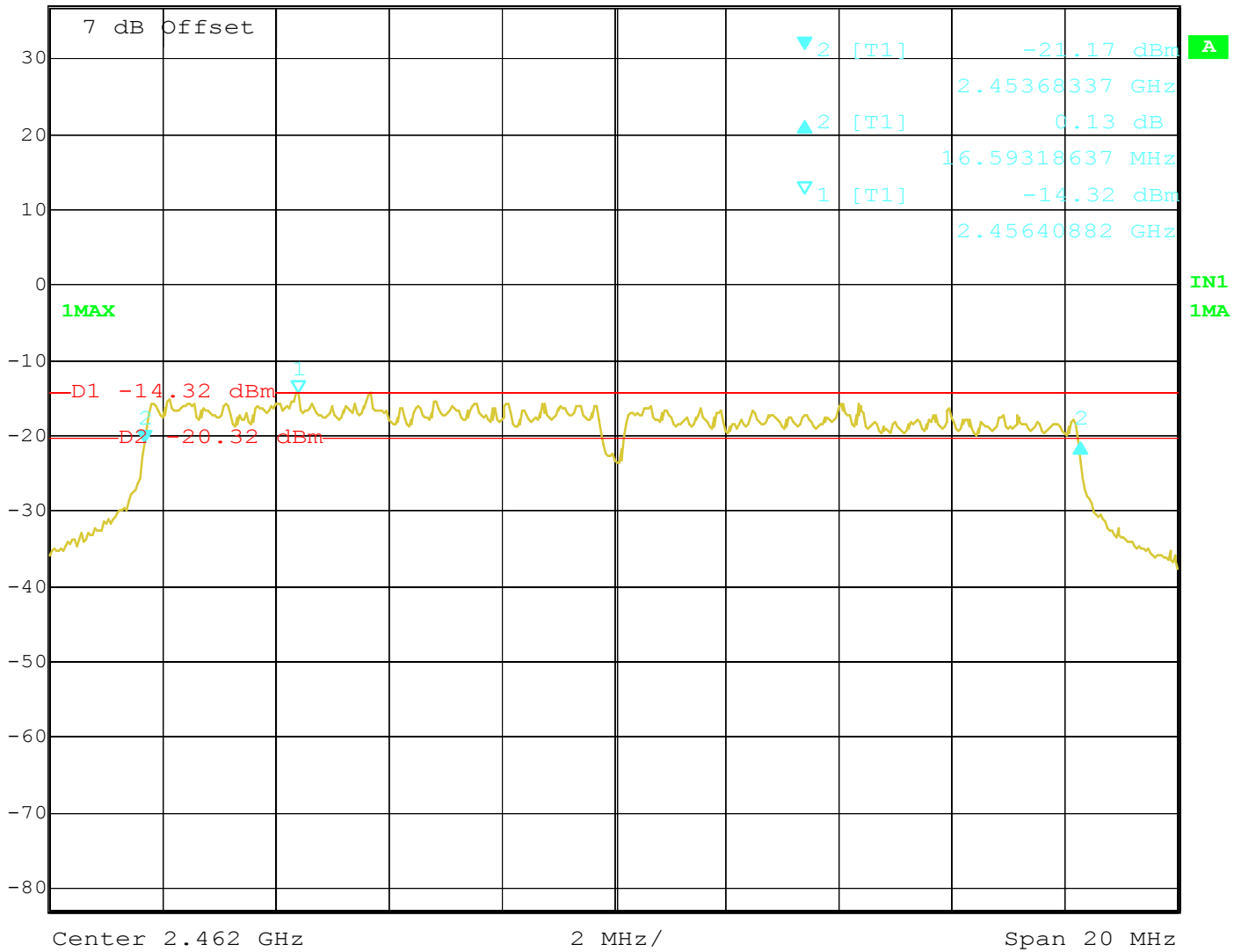
Delta 2 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.09 dB VBW 500 kHz
37 dBm 16.59318637 MHz SWT 500 ms Unit dBm



Title: 11G CH6 6dB BANDWIDTH
Comment A: SparkLAN Communications, Inc.
Date: 4.AUG.2004 16:21:12



Delta 2 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.13 dB VBW 500 kHz
37 dBm 16.59318637 MHz SWT 500 ms Unit dBm



Title: 11G CH11 6dB BANDWIDTH
Comment A: SparkLAN Communications, Inc.
Date: 4.AUG.2004 16:18:26

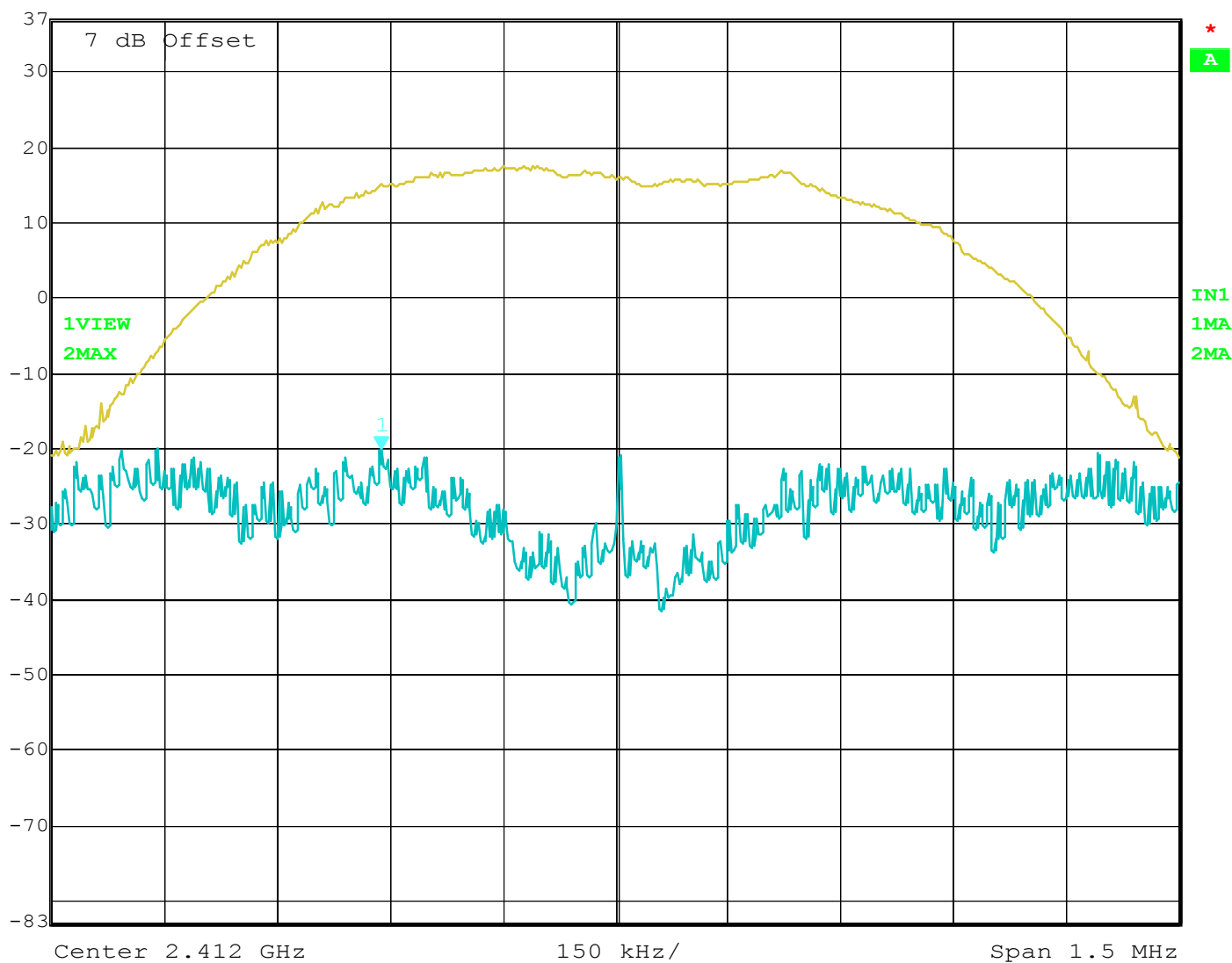
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

Appendix E

Peak Power Spectral Density



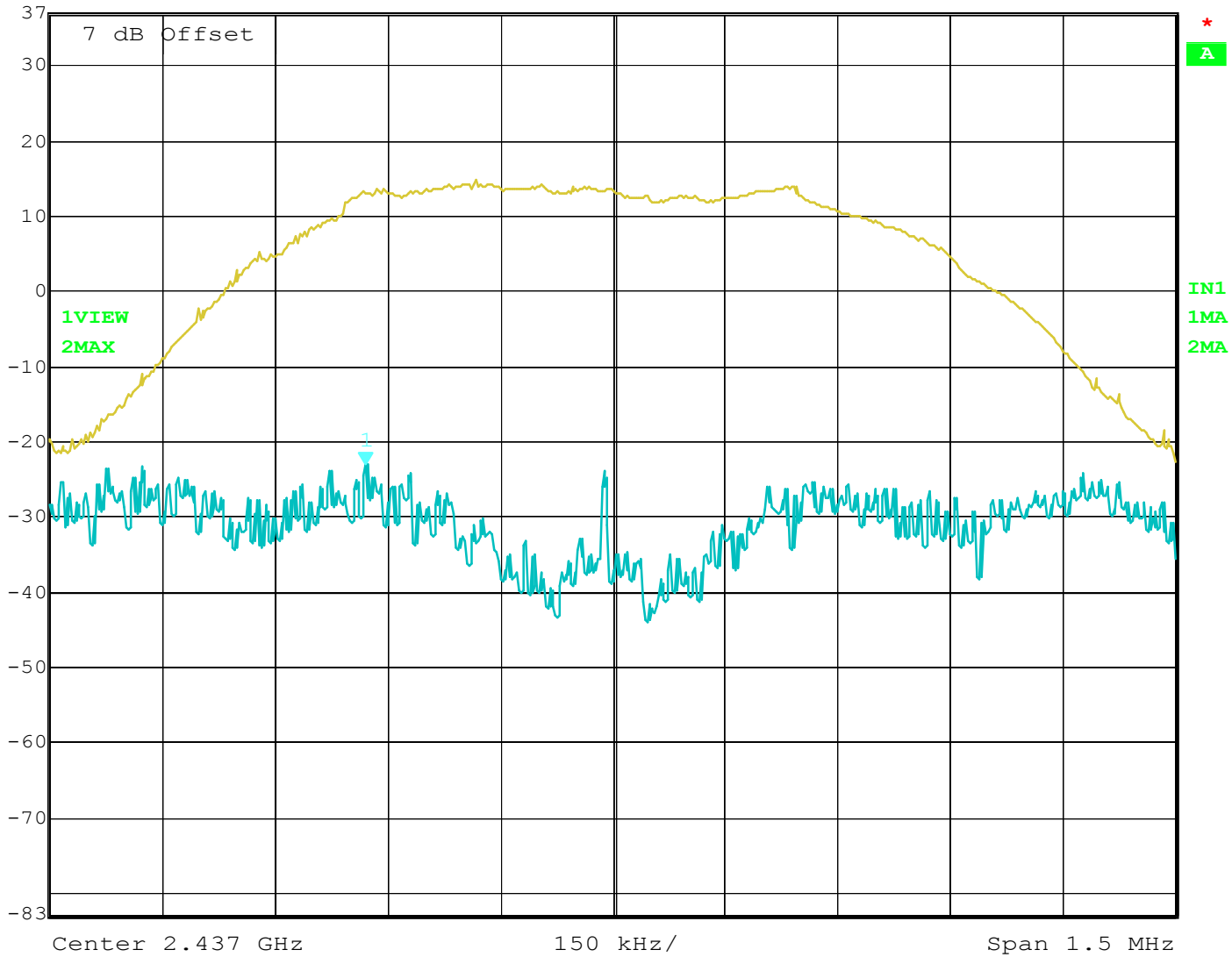
Ref Lvl 37 dBm
Marker 1 [T2] -20.19 dBm
2.41168888 GHz
RBW 3 kHz
RF Att 40 dB
VBW 100 kHz
SWT 500 s
Unit dBm



Title: 11G CH1 POWER DENSITY
Comment A: SparkLAN Communications, Inc.
Date: 29.JUL.2004 17:50:57



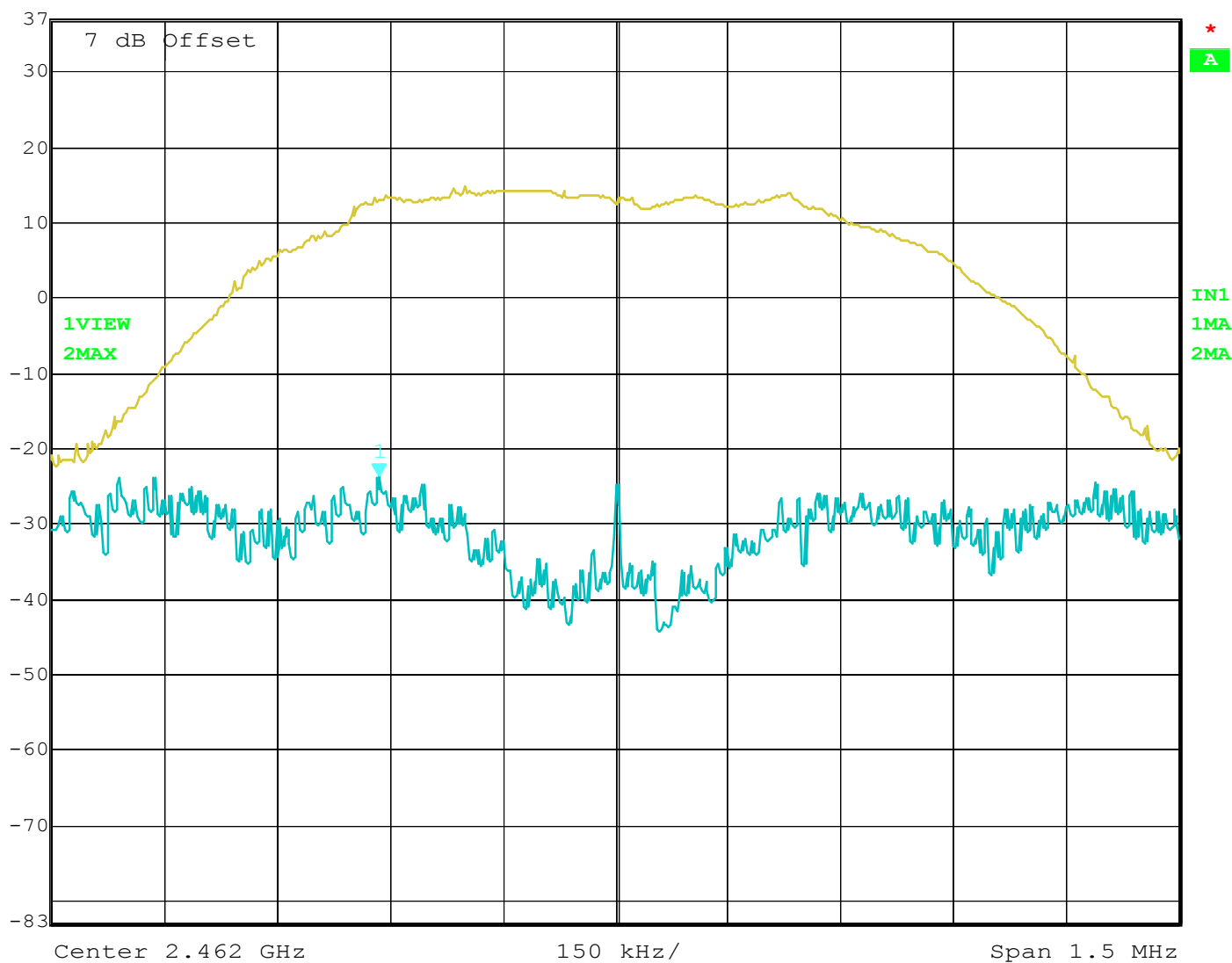
Marker 1 [T2] RBW 3 kHz RF Att 40 dB
-23.09 dBm VBW 100 kHz
37 dBm 2.43667084 GHz SWT 500 s Unit dBm



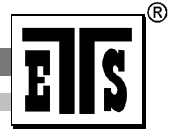
Title: 11G CH6 POWER DENSITY
Comment A: SparkLAN Communications, Inc.
Date: 2.AUG.2004 21:59:48



Marker 1 [T2] RBW 3 kHz RF Att 40 dB
Ref Lvl -23.84 dBm VBW 100 kHz
37 dBm 2.46168587 GHz SWT 500 s Unit dBm



Title: 11G CH11 POWER DENSITY
Comment A: SparkLAN Communications, Inc.
Date: 2.AUG.2004 22:12:24



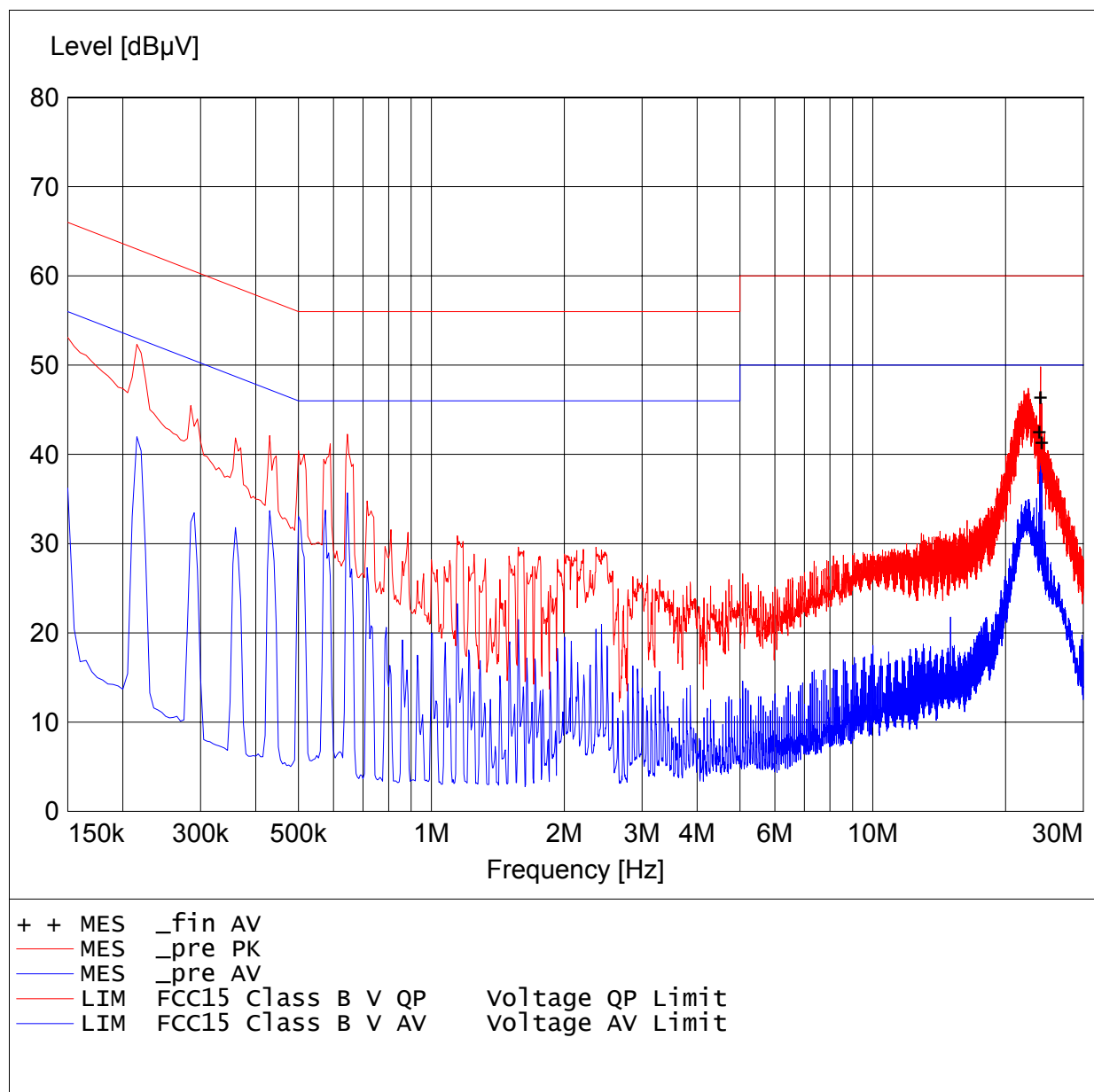
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

Appendix F

Power Line Conducted Emission

EMI voltage test in the ac-mains according to FCC Part 15 Class B

EUT: Wireless 11g Compact USB Adapter
Approval Holder: SparkLAN Communications, Inc.
Operating Condition: Unom: 120VAC , Tnom: 23°C
Test Site: ETS
Operator: Catey Lee
Test Specification: V-network: ESH3-Z5 N
Comment: model: WL-685R mode : active



EMI voltage test in the ac-mains according to FCC P art 15 Class B

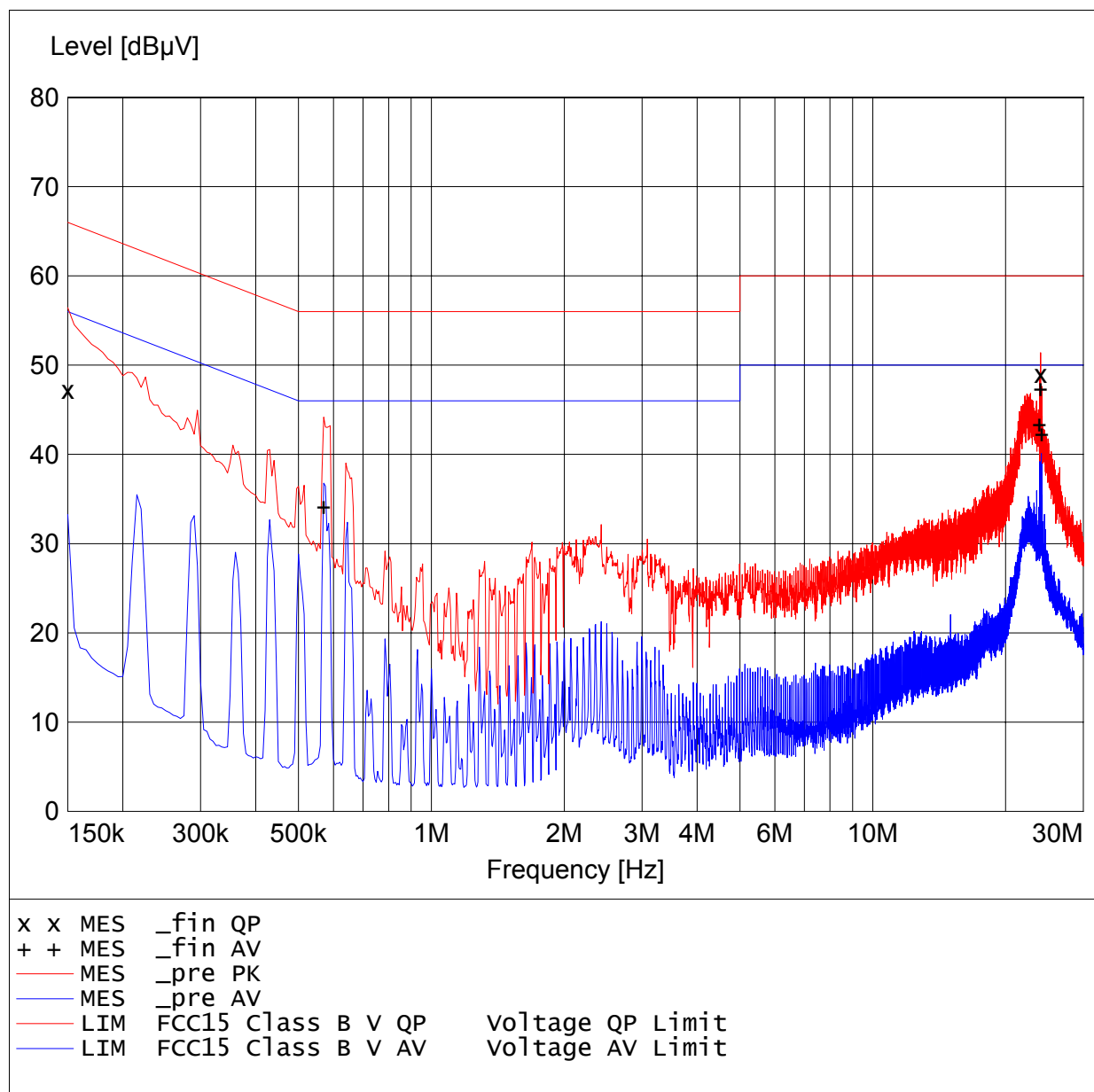
EUT: Wireless 11g Compact USB Adapter
Approval Holder: SparkLAN Communications, Inc.
Operating Condition: Unom: 120VAC , Tnom: 23°C
Test Site: ETS
Operator: Catey Lee
Test Specification: V-network: ESH3-Z5 N
Comment: model: WL-685R mode : active

MEASUREMENT RESULT: "_fin AV"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
23.865000	42.50	10.1	50	7.5	---	---
24.005000	46.30	10.1	50	3.7	---	---
24.140000	41.30	10.1	50	8.7	---	---

EMI voltage test in the ac-mains according to FCC Part 15 Class B

EUT: Wireless 11g Compact USB Adapter
Approval Holder: SparkLAN Communications, Inc.
Operating Condition: Unom: 120VAC , Tnom: 23°C
Test Site: ETS
Operator: Catey Lee
Test Specification: V-network: ESH3-Z5 L1
Comment: model: WL-685R mode : active



EMI voltage test in the ac-mains according to FCC Part 15 Class B

EUT: Wireless 11g Compact USB Adapter
Approval Holder: SparkLAN Communications, Inc.
Operating Condition: Unom: 120VAC , Tnom: 23°C
Test Site: ETS
Operator: Catey Lee
Test Specification: V-network: ESH3-Z5 L1
Comment: model: WL-685R mode : active

MEASUREMENT RESULT: "_fin AV"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.570000	34.00	10.0	46	12.0	---	---
23.865000	43.30	10.1	50	6.7	---	---
24.005000	47.20	10.1	50	2.8	---	---
24.140000	42.20	10.1	50	7.8	---	---

MEASUREMENT RESULT: "_fin QP"

30.07.04 15:12

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.150000	47.20	10.0	66	18.8	---	---
24.005000	49.00	10.1	60	11.0	---	---

Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

Appendix G

Pictures

Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

External Photo



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



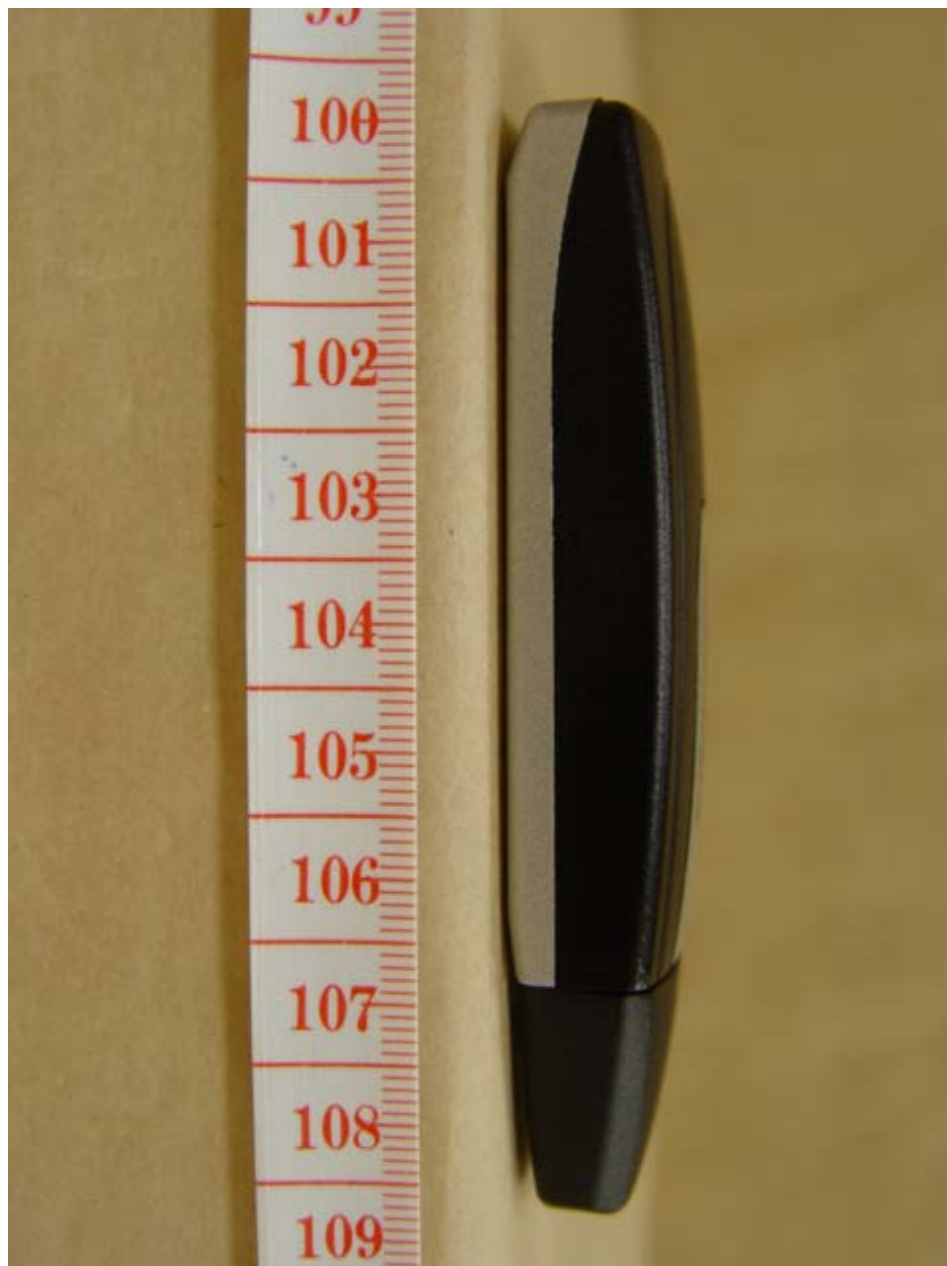
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

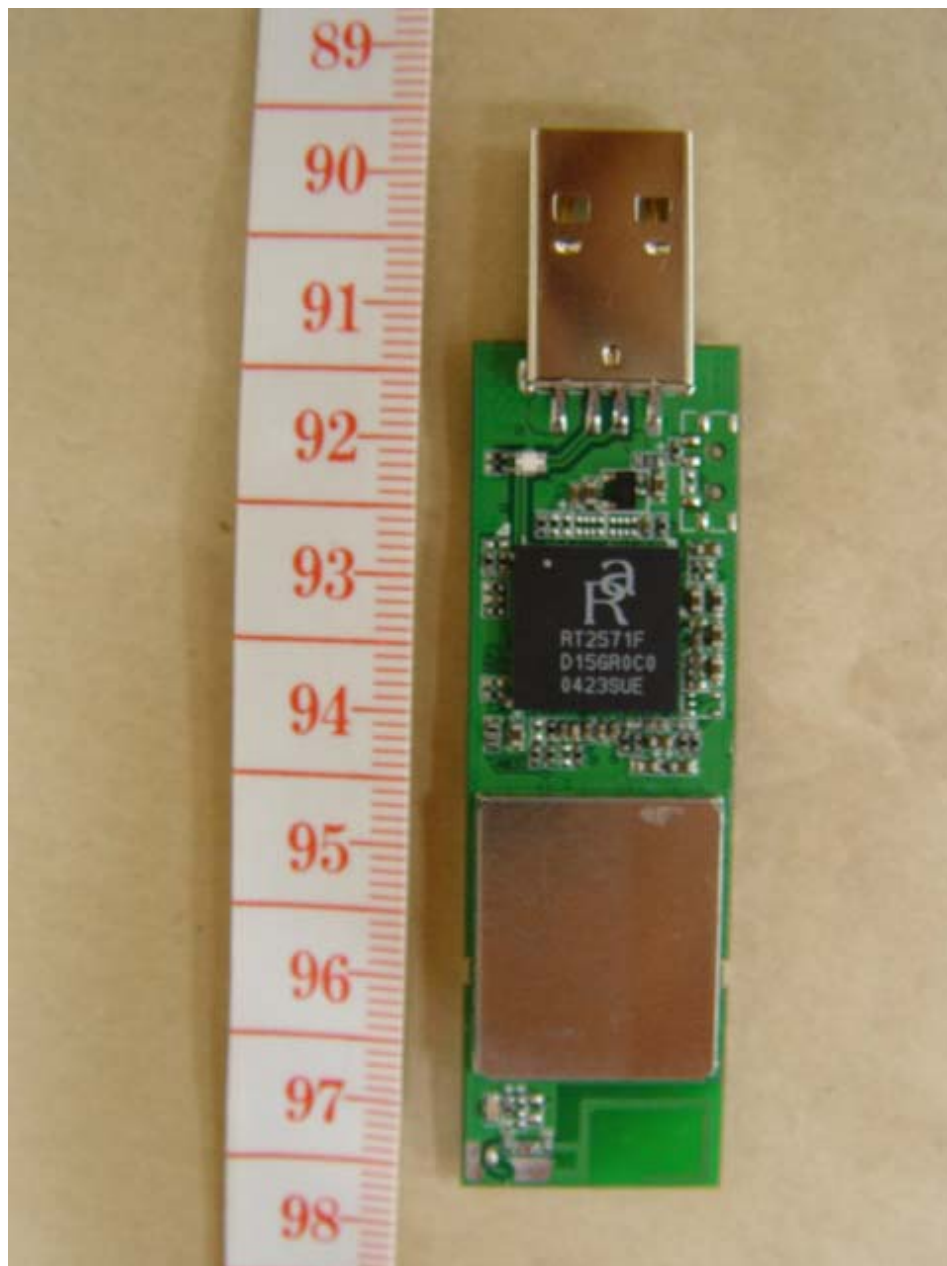


Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

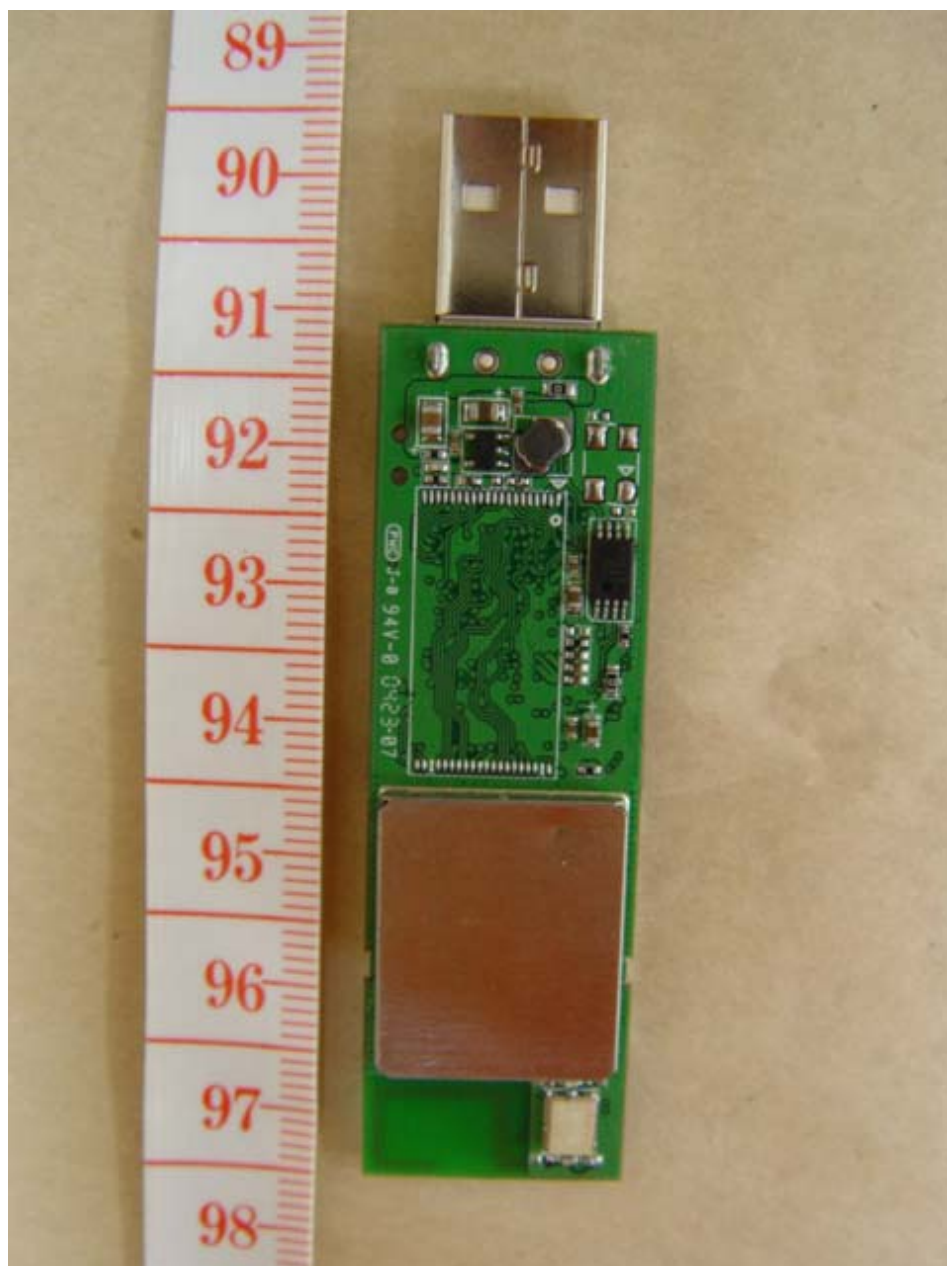


Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

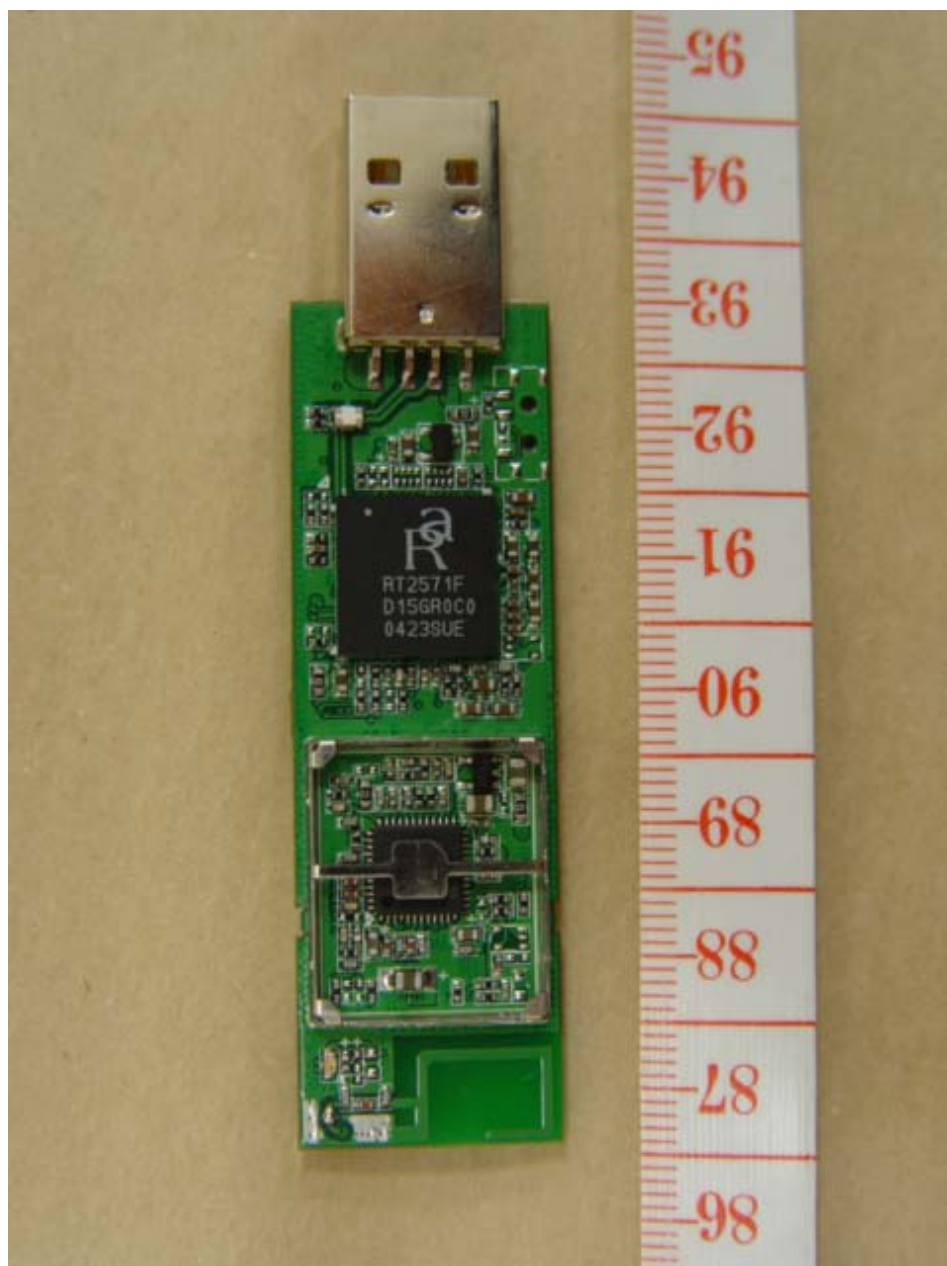
Internal Photo



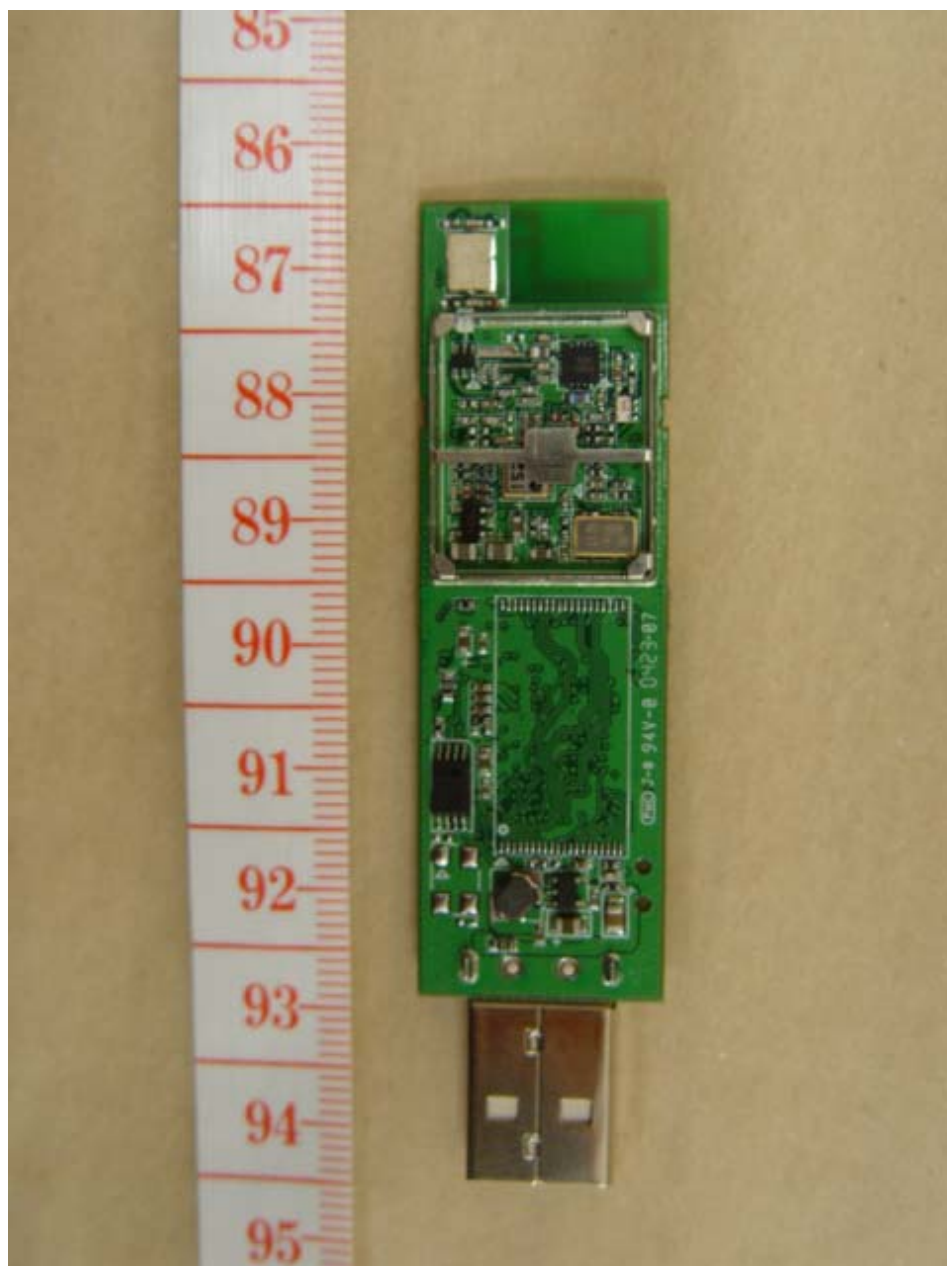
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

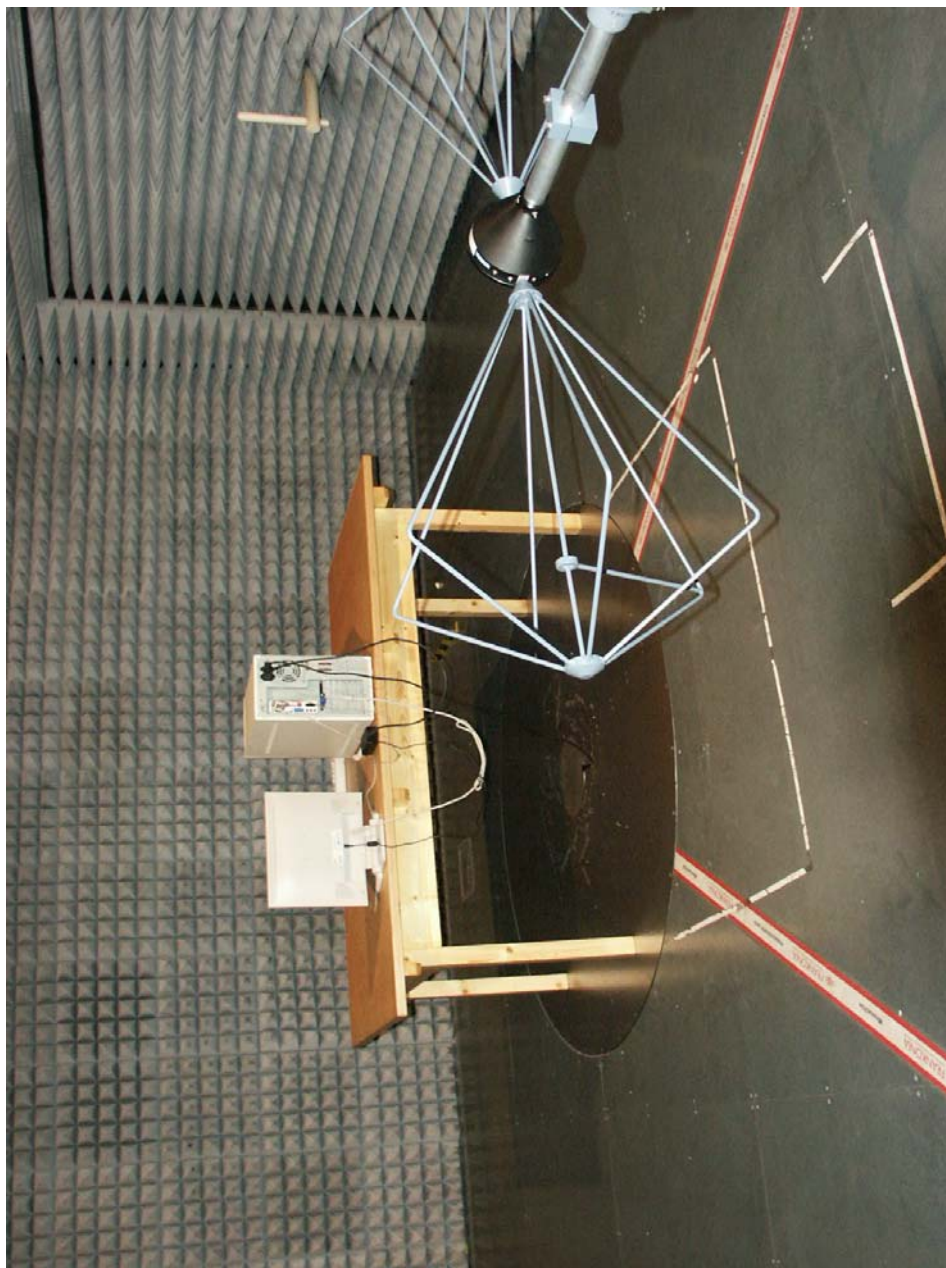


Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070

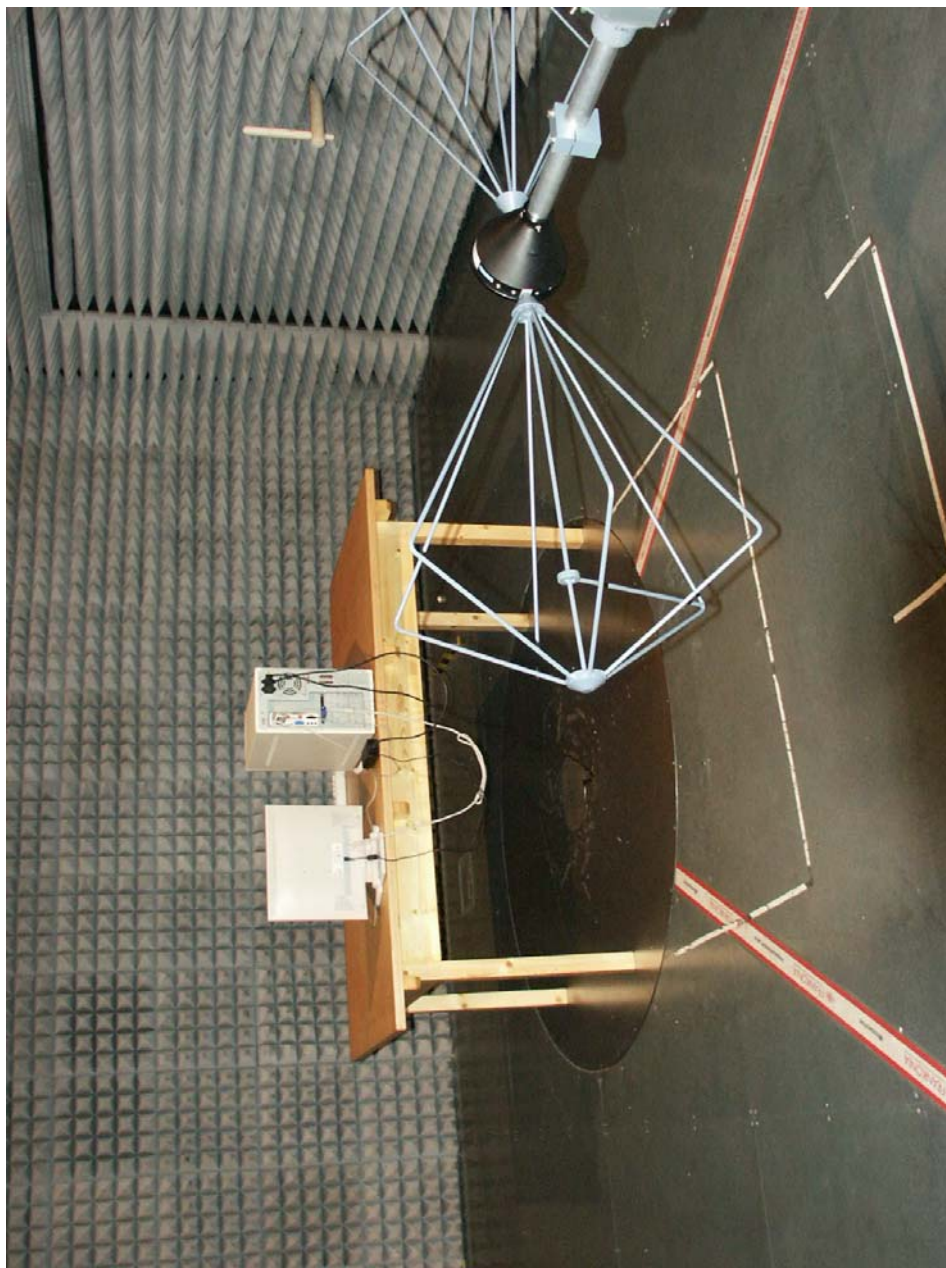
Set Up Photo



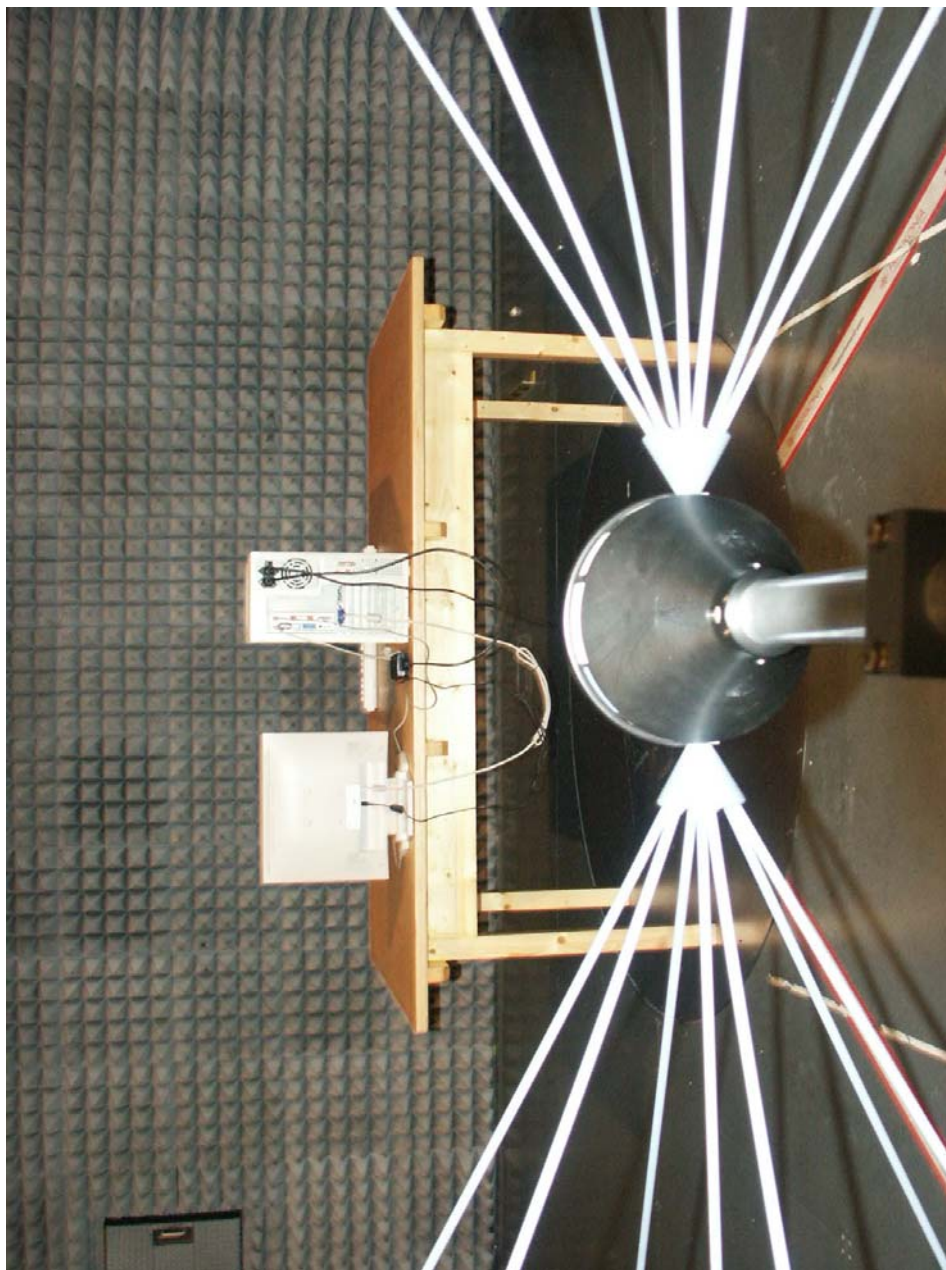
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



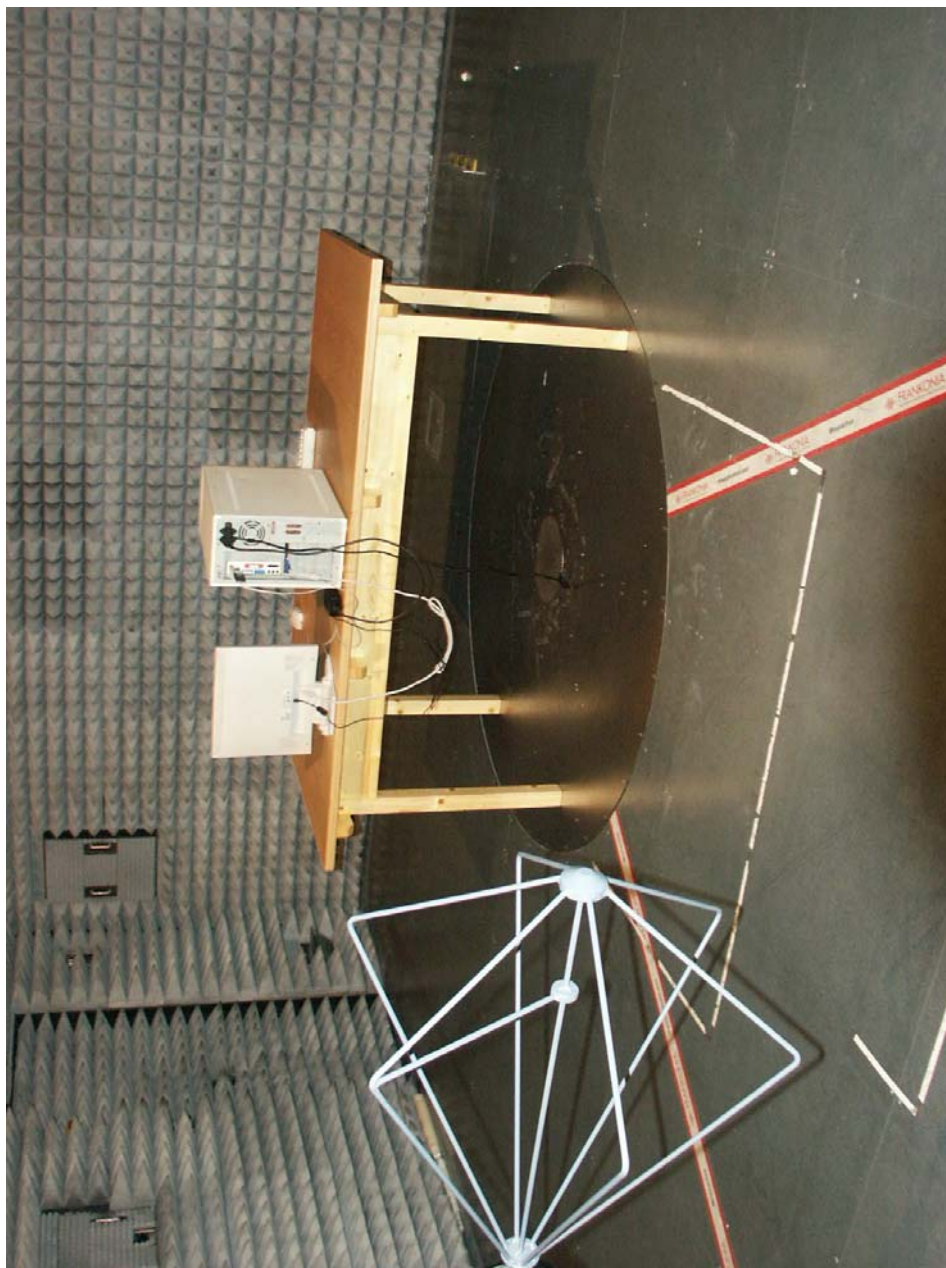
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



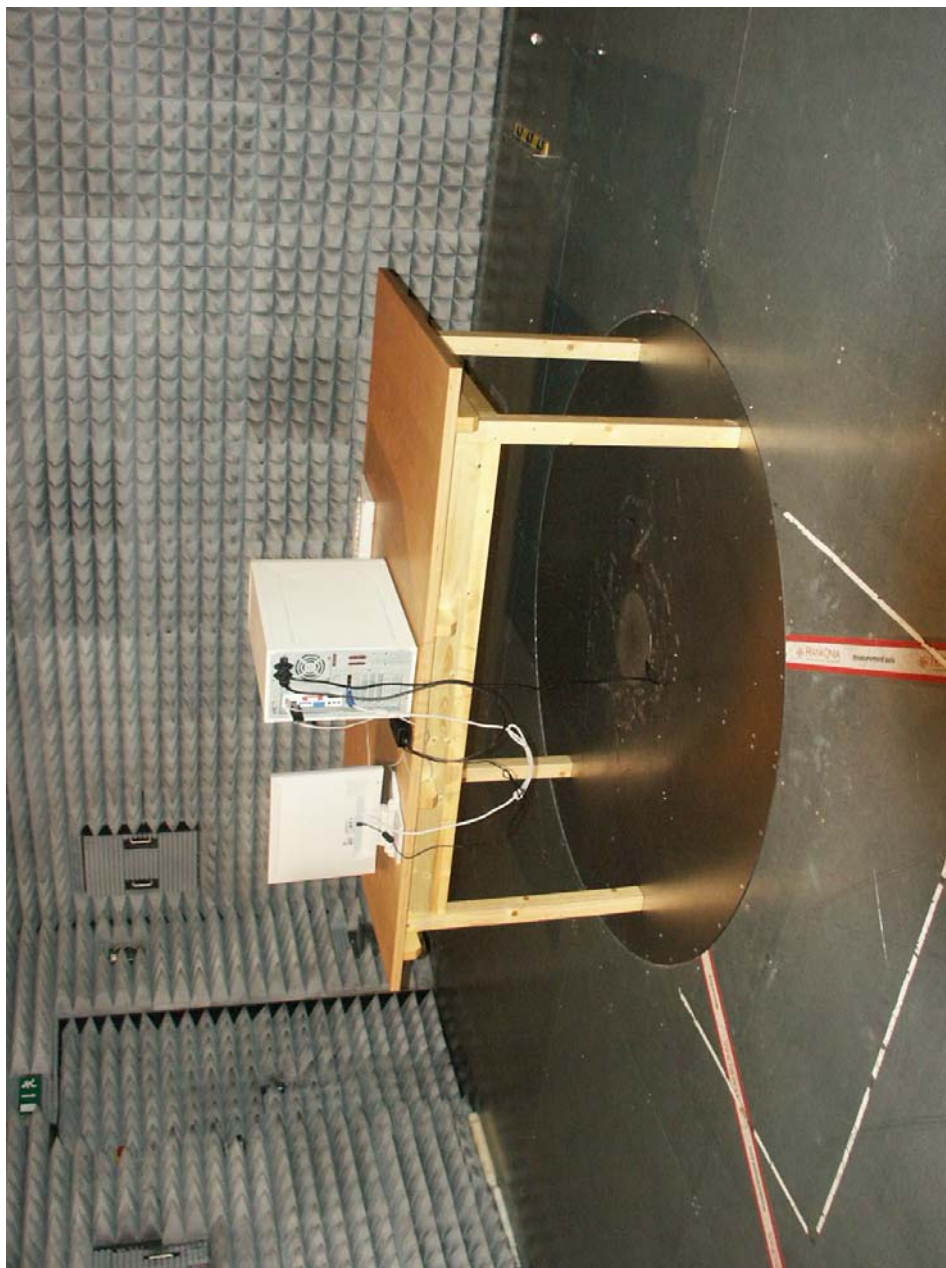
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



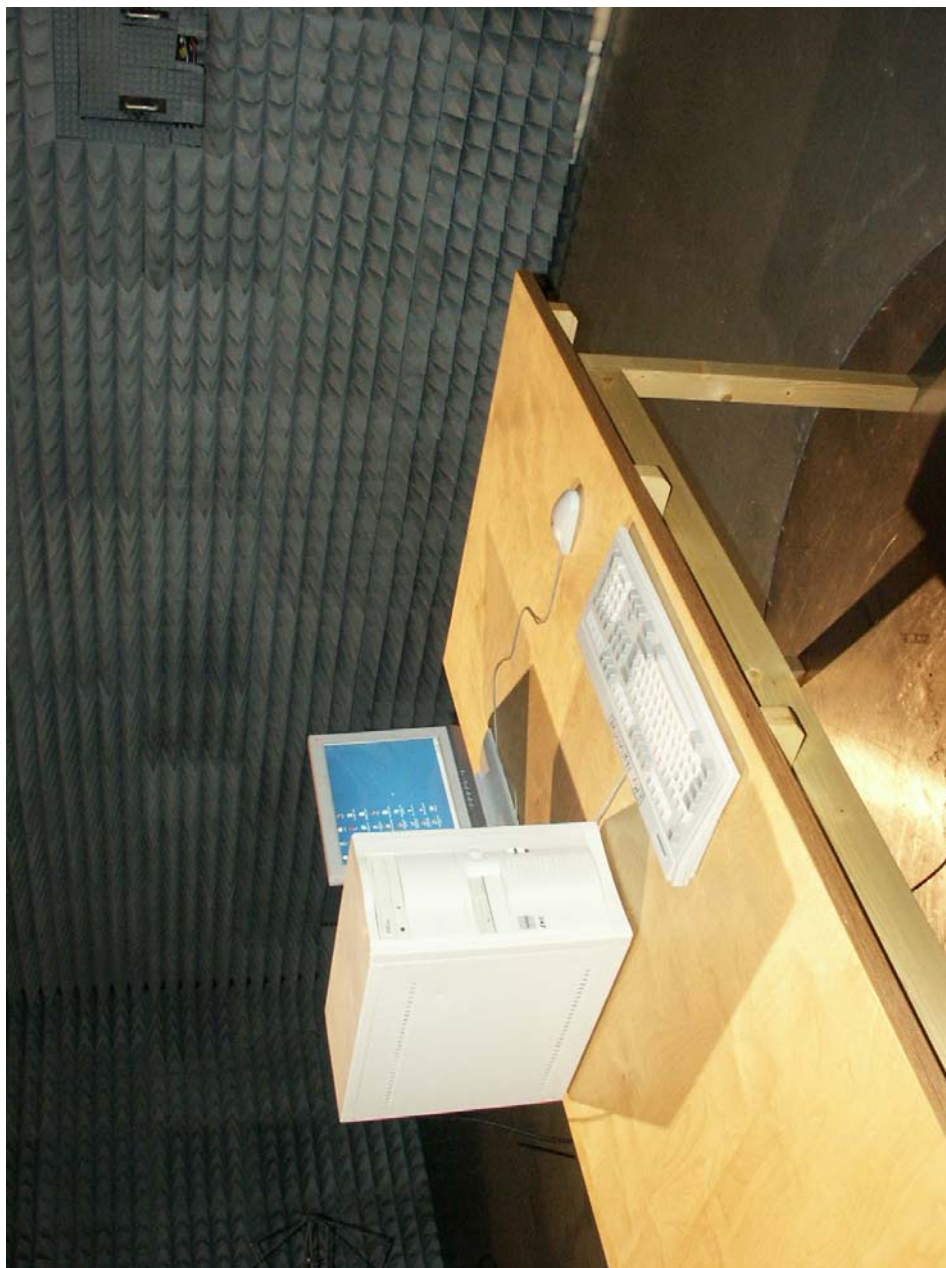
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
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FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



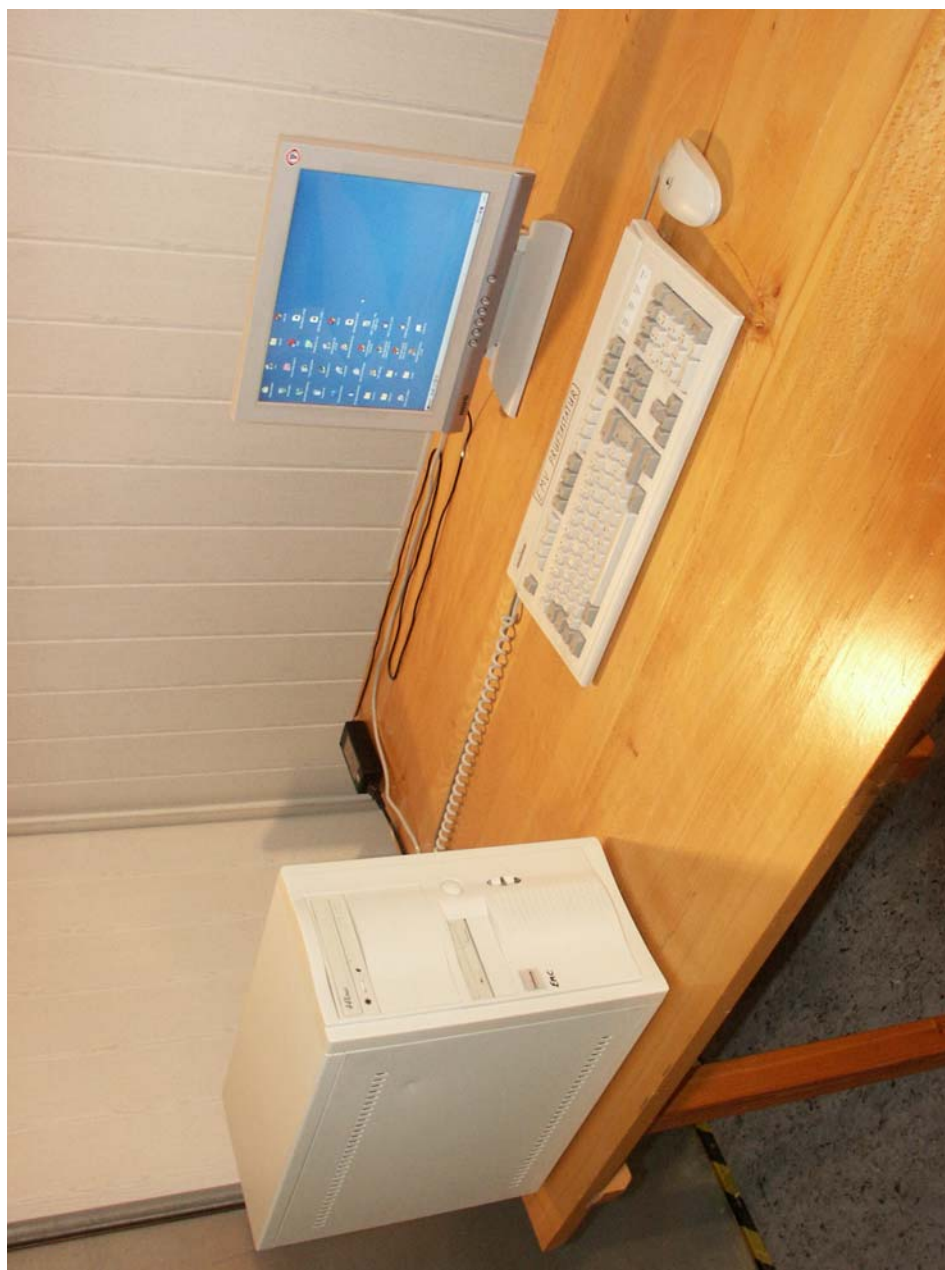
Registration number: W6M20407-5347-C-2
FCC ID: RYK-0685R04070



Registration number: W6M20407-5347-C-2
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FCC ID: RYK-0685R04070

