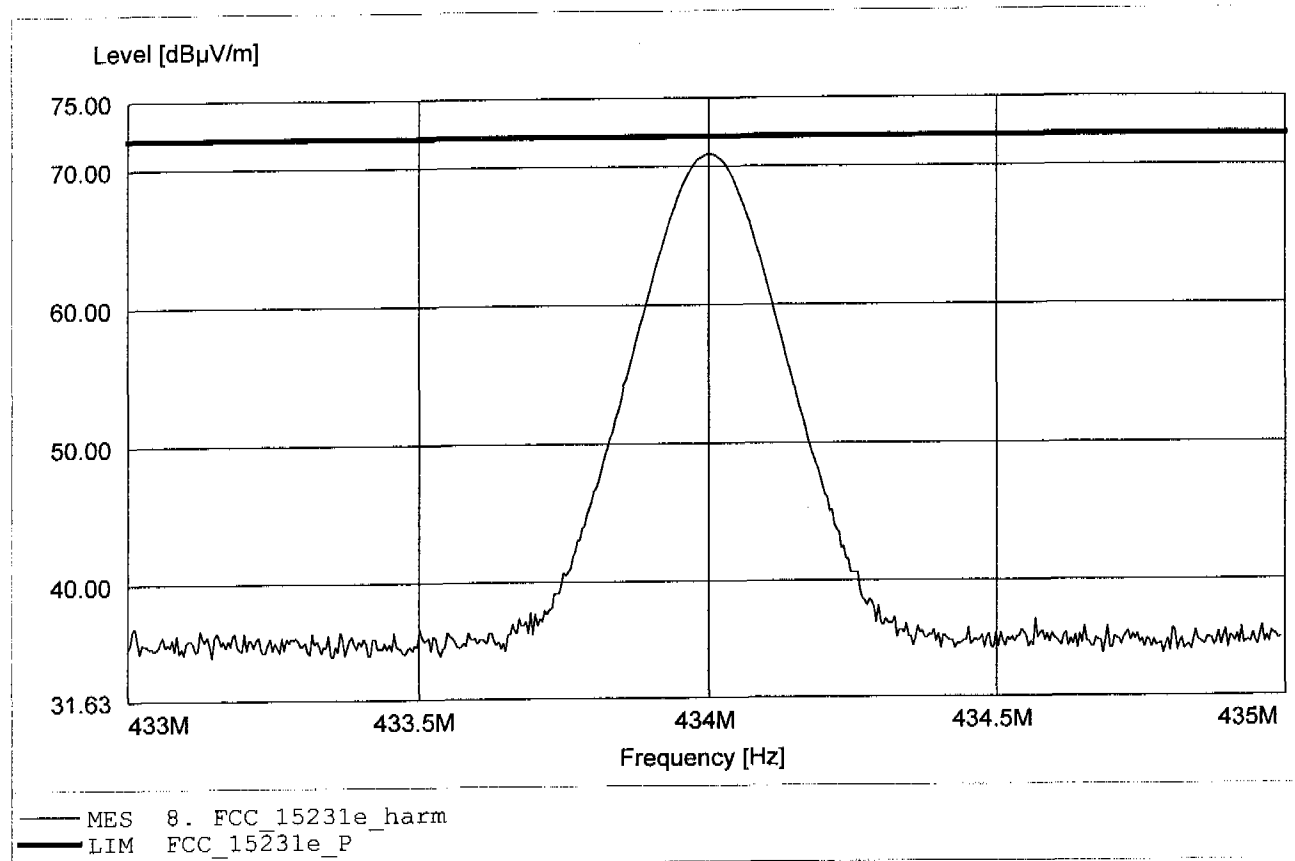


## Appendix B

Output Power

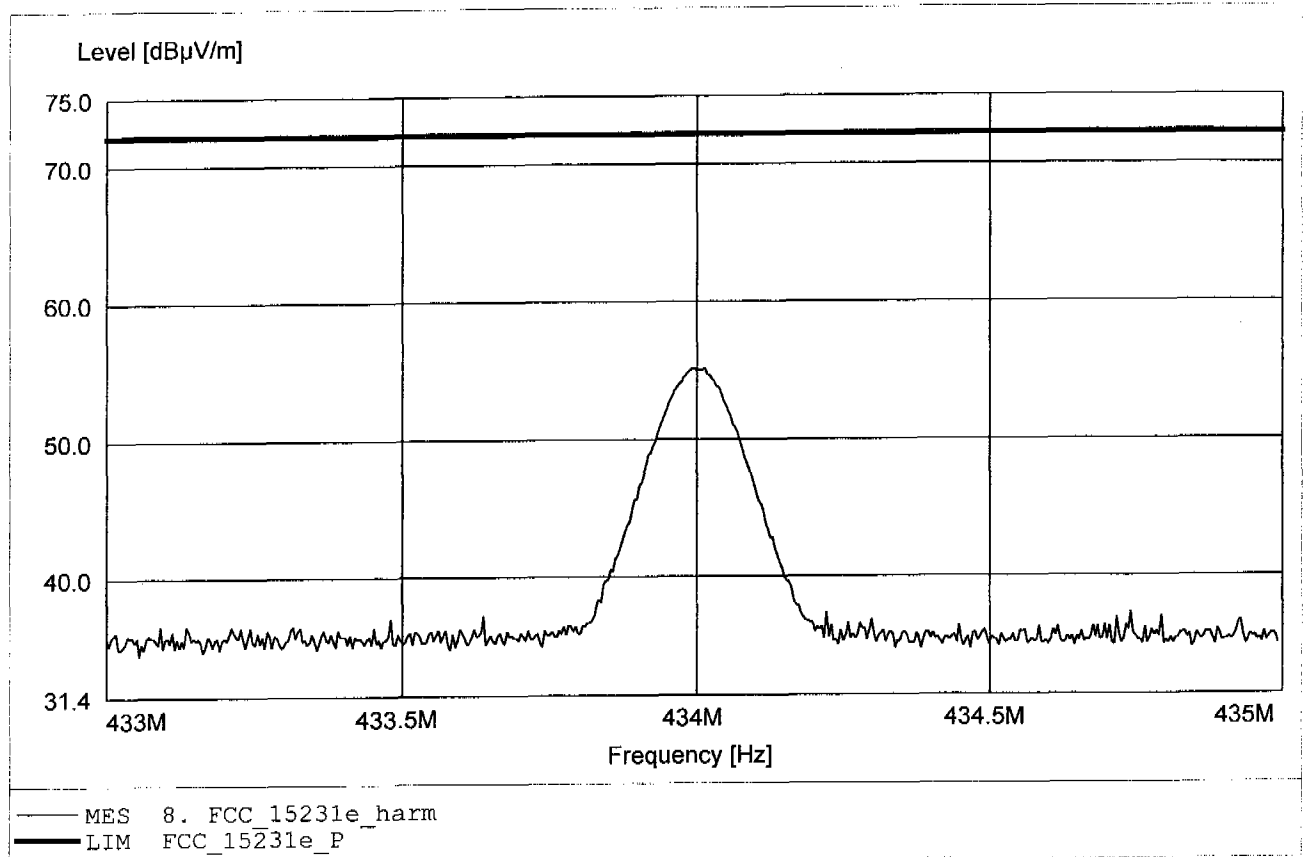
**Carrier power (Field Strength)**  
**FCC RULES PART 15, SUBPART C**

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to §15.231e / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 434.002MHz, Emax: 70.91dBµV/m, RBW: 100kHz



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

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to §15.231e / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223  
Comment 2: Freq: 433.994MHz, Emax: 55.17dBµV/m, RBW: 100kHz

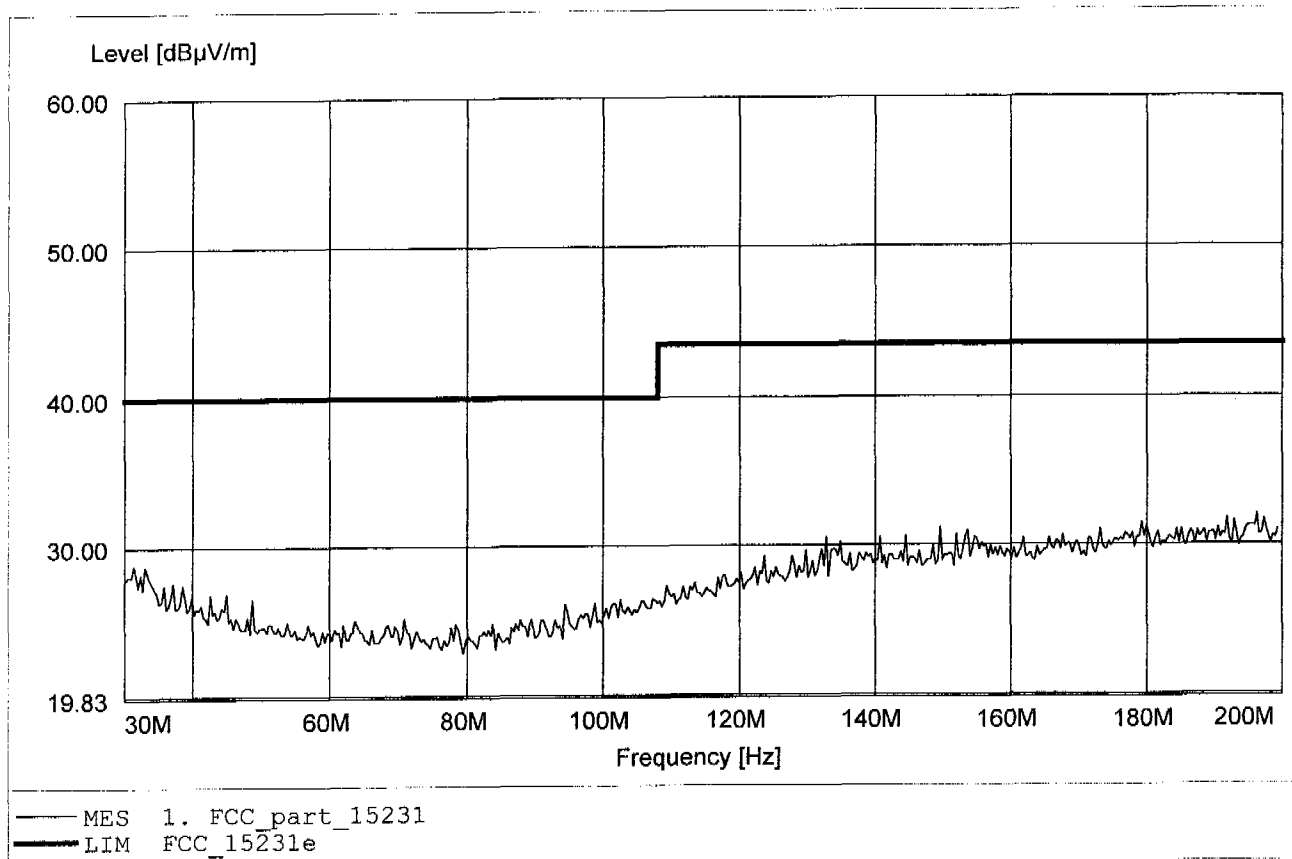


## Appendix C

Spurious Emissions radiated, Transmitter

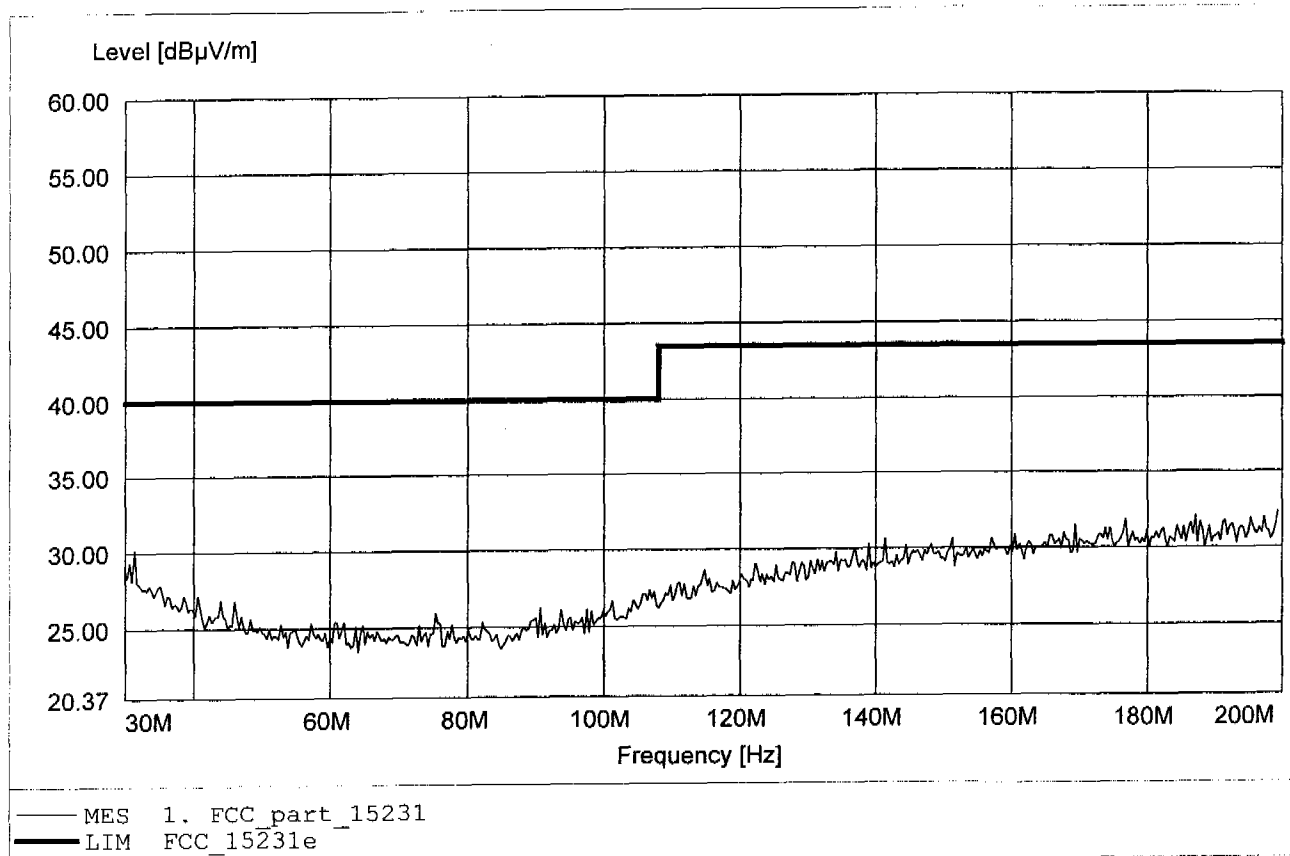
**Spurious emissions Field Strength Tx**  
**FCC RULES PART 15, SUBPART C**

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to §15.231e / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 196.253MHz, Emax: 32.01dBµV/m, RBW: 100kHz



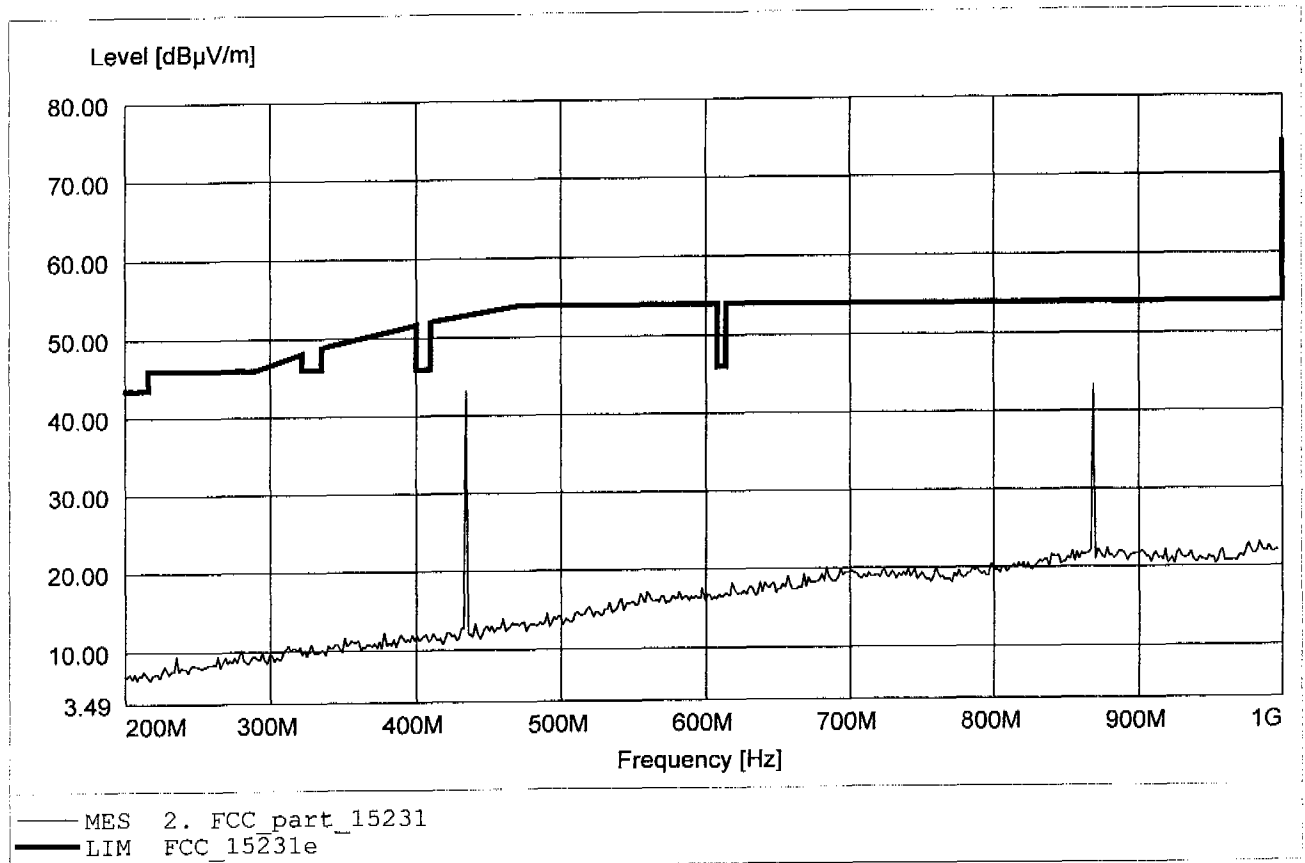
**Spurious emissions Field Strength Tx**  
**FCC RULES PART 15, SUBPART C**

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to S15.231e / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 199.319MHz, Emax: 32.33dBµV/m, RBW: 100kHz



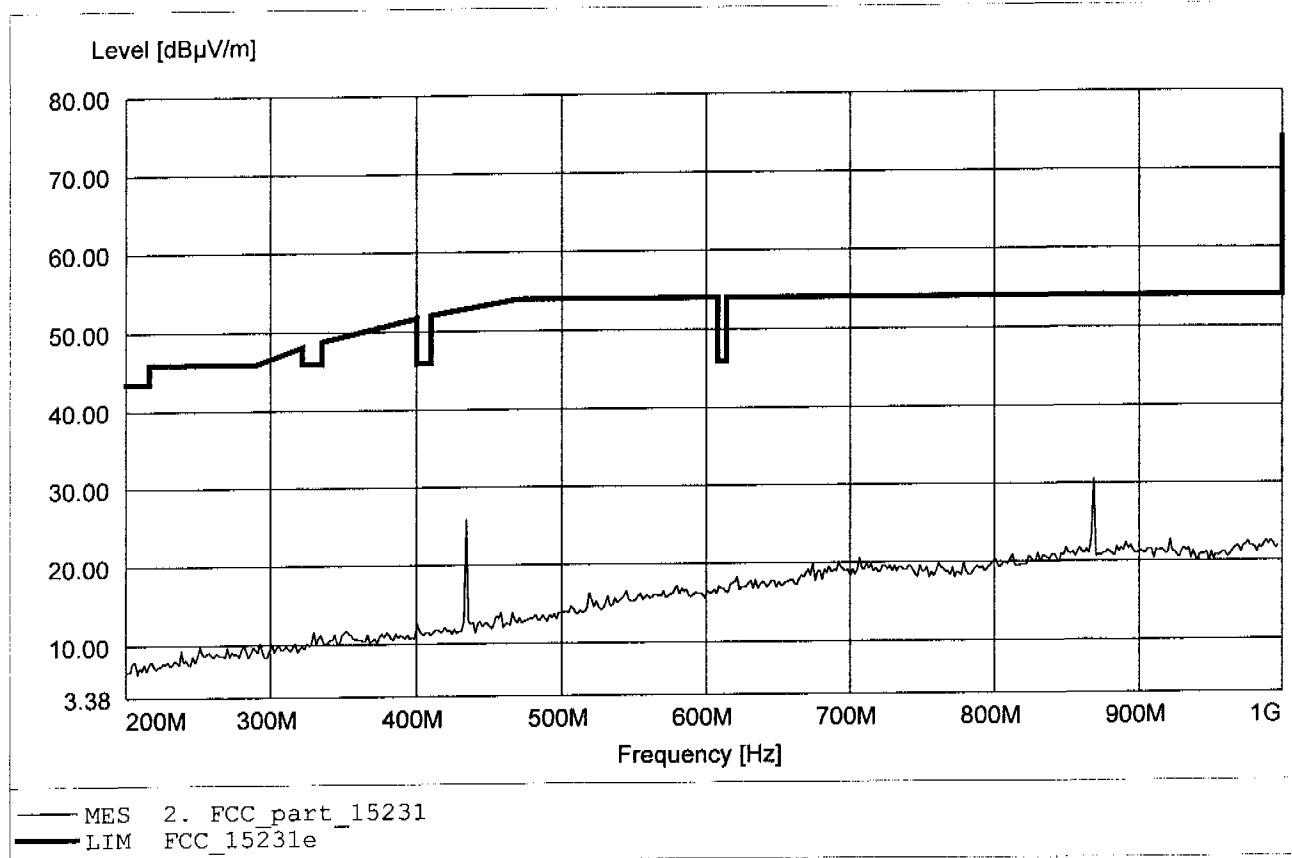
**Spurious emissions Field Strength Tx**  
**FCC RULES PART 15, SUBPART C**

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to §15.231e / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 868.537MHz, Emax: 43.41dBµV/m, RBW: 100kHz



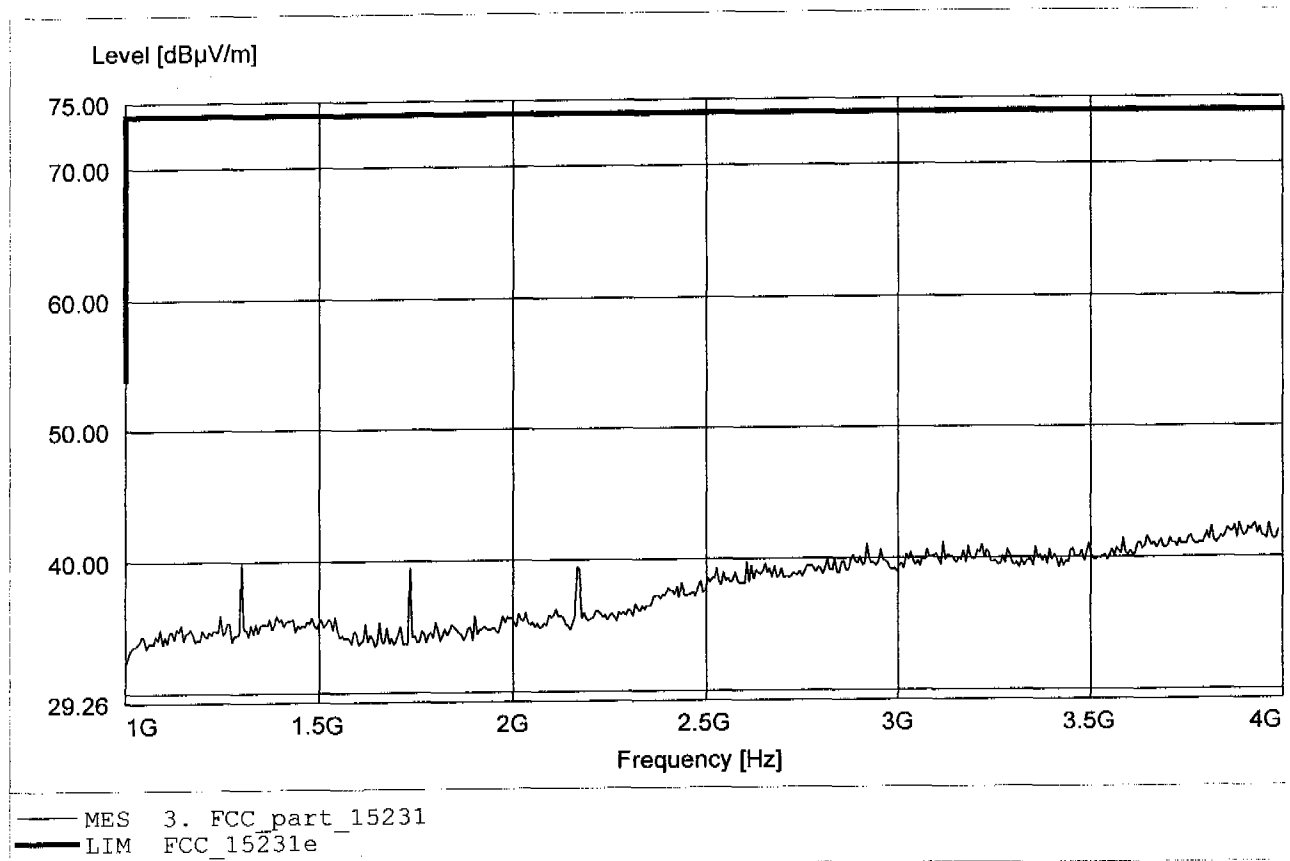
**Spurious emissions Field Strength Tx**  
**FCC RULES PART 15, SUBPART C**

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to §15.231e / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 868.537MHz, Emax: 30.50dBμV/m, RBW: 100kHz



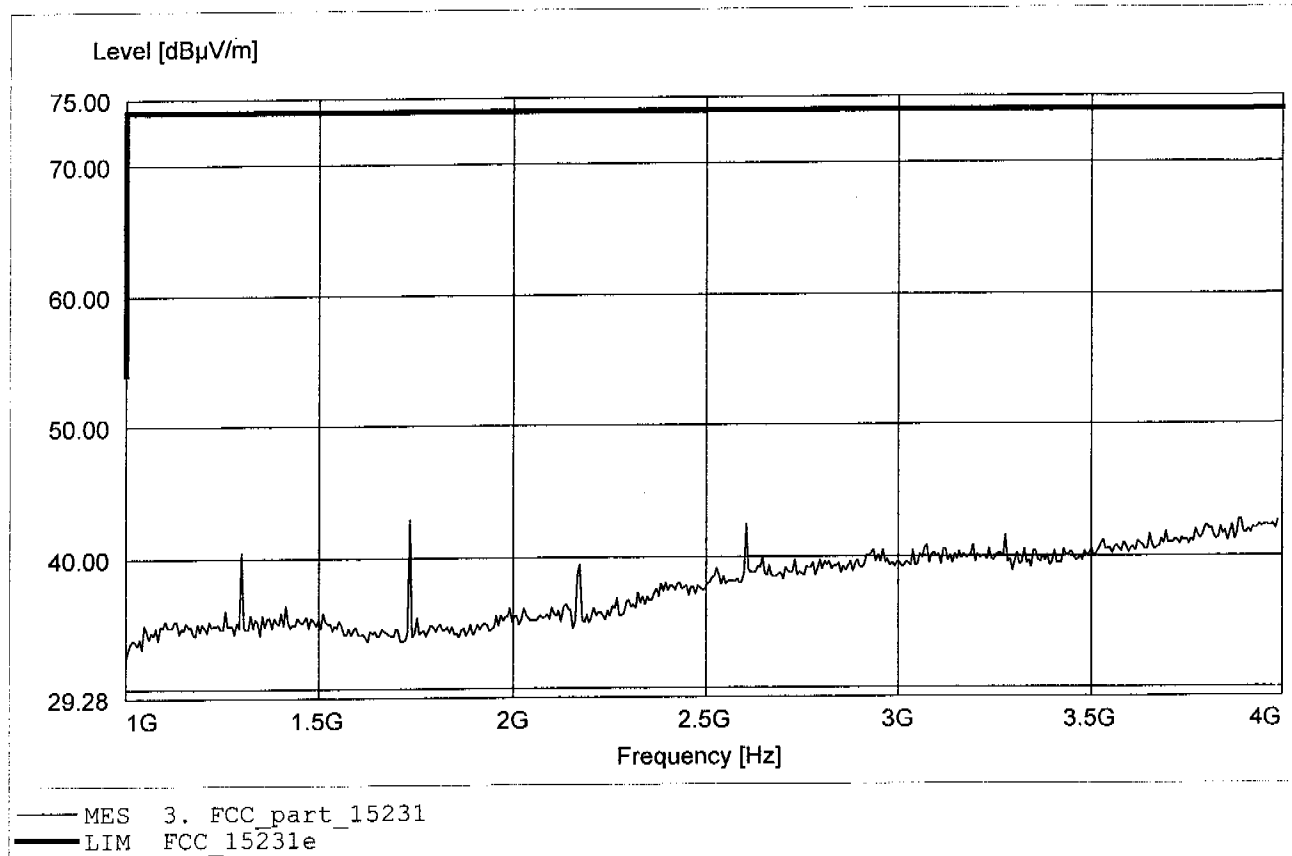
**Spurious emissions Field Strength Tx**  
**FCC RULES PART 15, SUBPART C**

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to S15231e, Limit 20 dB up peak detector /mode: Tx  
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.  
Comment 2: Freq: 3.886GHz, Emax: 42.55dBμV/m, RBW: 1MHz



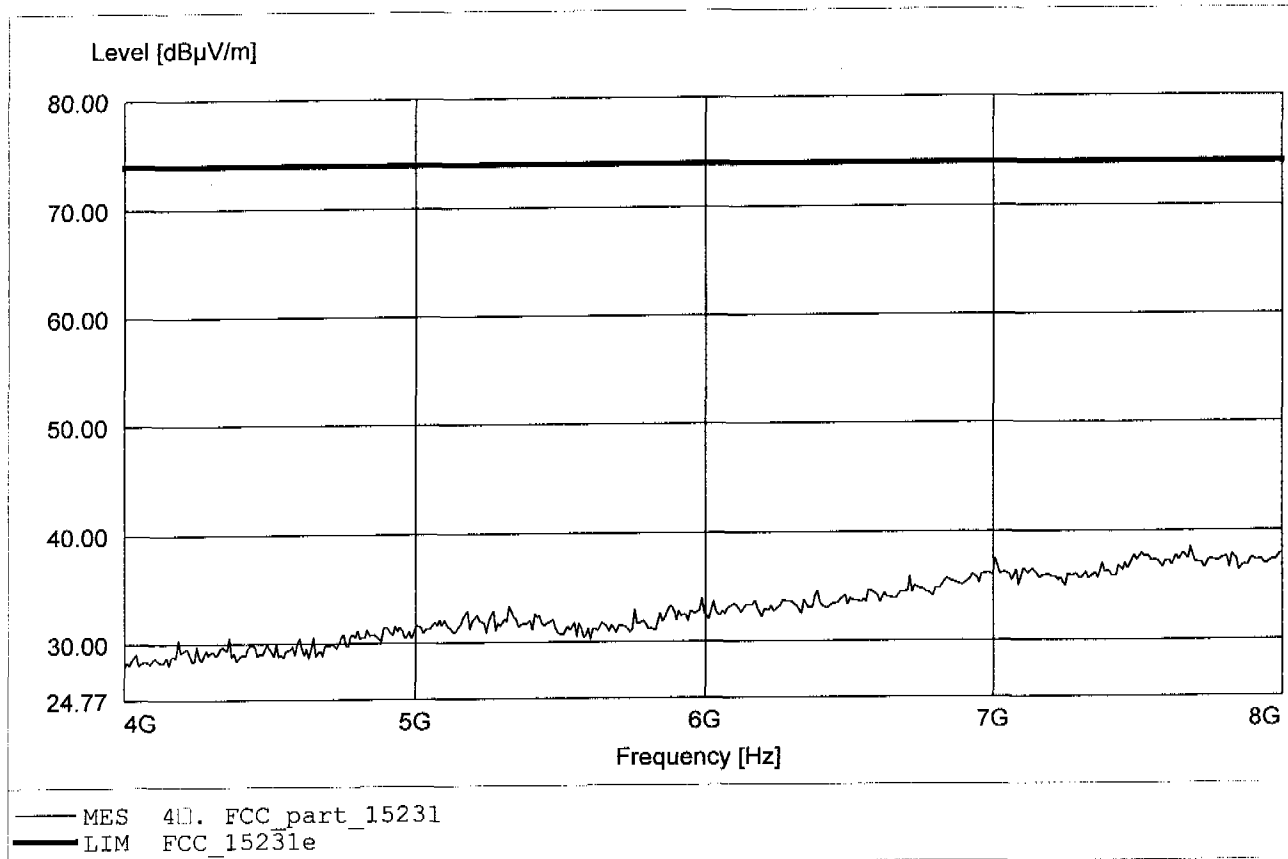
**Spurious emissions Field Strength Tx**  
**FCC RULES PART 15, SUBPART C**

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to S15231e, Limit 20 dB up peak detector /mode: Tx  
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.  
Comment 2: Freq: 1.733GHz, Emax: 42.94dB $\mu$ V/m, RBW: 1MHz



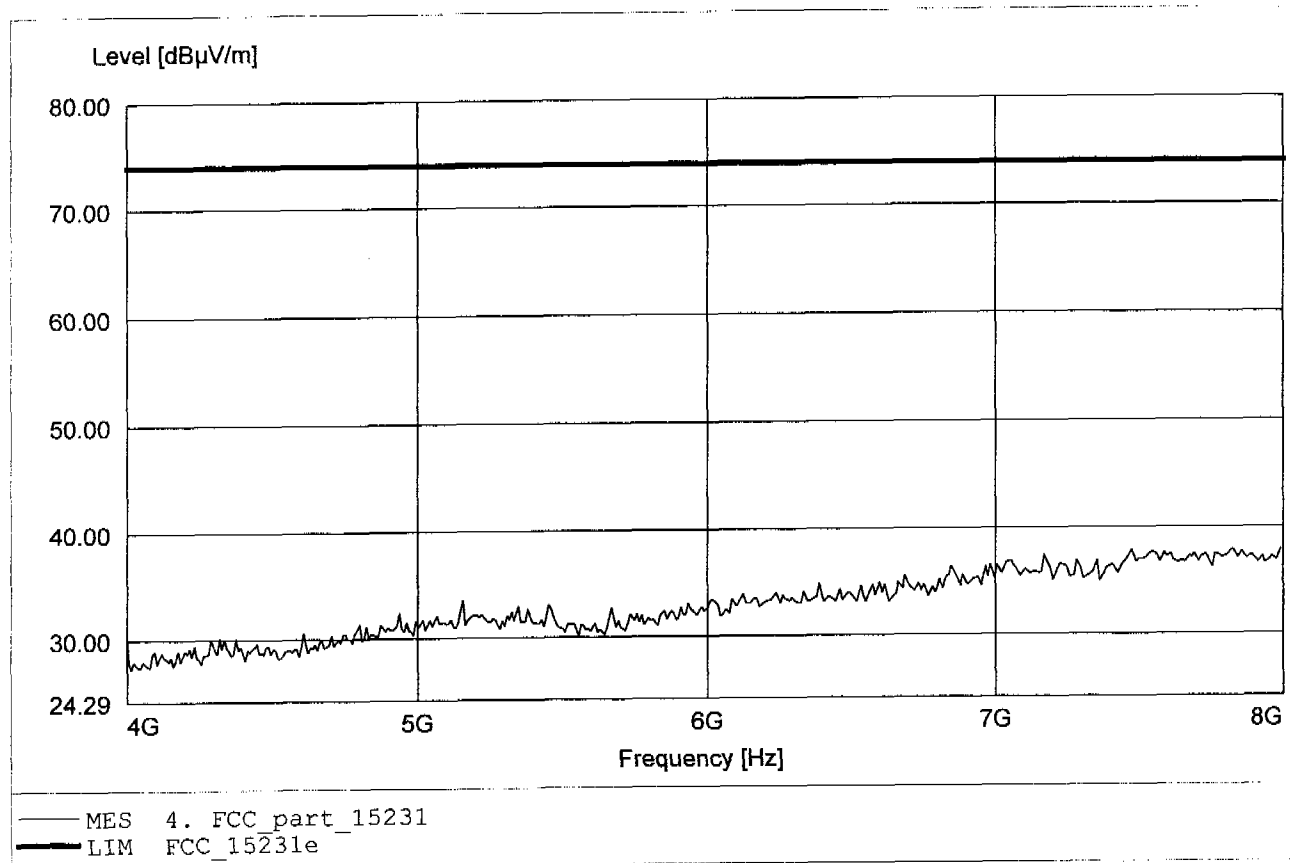
**Spurious emissions Field Strength Tx**  
**FCC RULES PART 15, SUBPART C**

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to §15231e, Limit 20 dB up peak detector /mode: Tx  
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.  
Comment 2: Freq: 7.679GHz, Emax: 38.48dBμV/m, RBW: 1MHz



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

EUT : Weather Station  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 3.0 V DC (2x 1.5 V battery)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to S15231e, Limit 20 dB up peak detector /mode: Tx  
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.  
Comment 2: Freq: 7.992GHz, Emax: 37.90dBμV/m, RBW: 1MHz



## Appendix D

Bandwidth

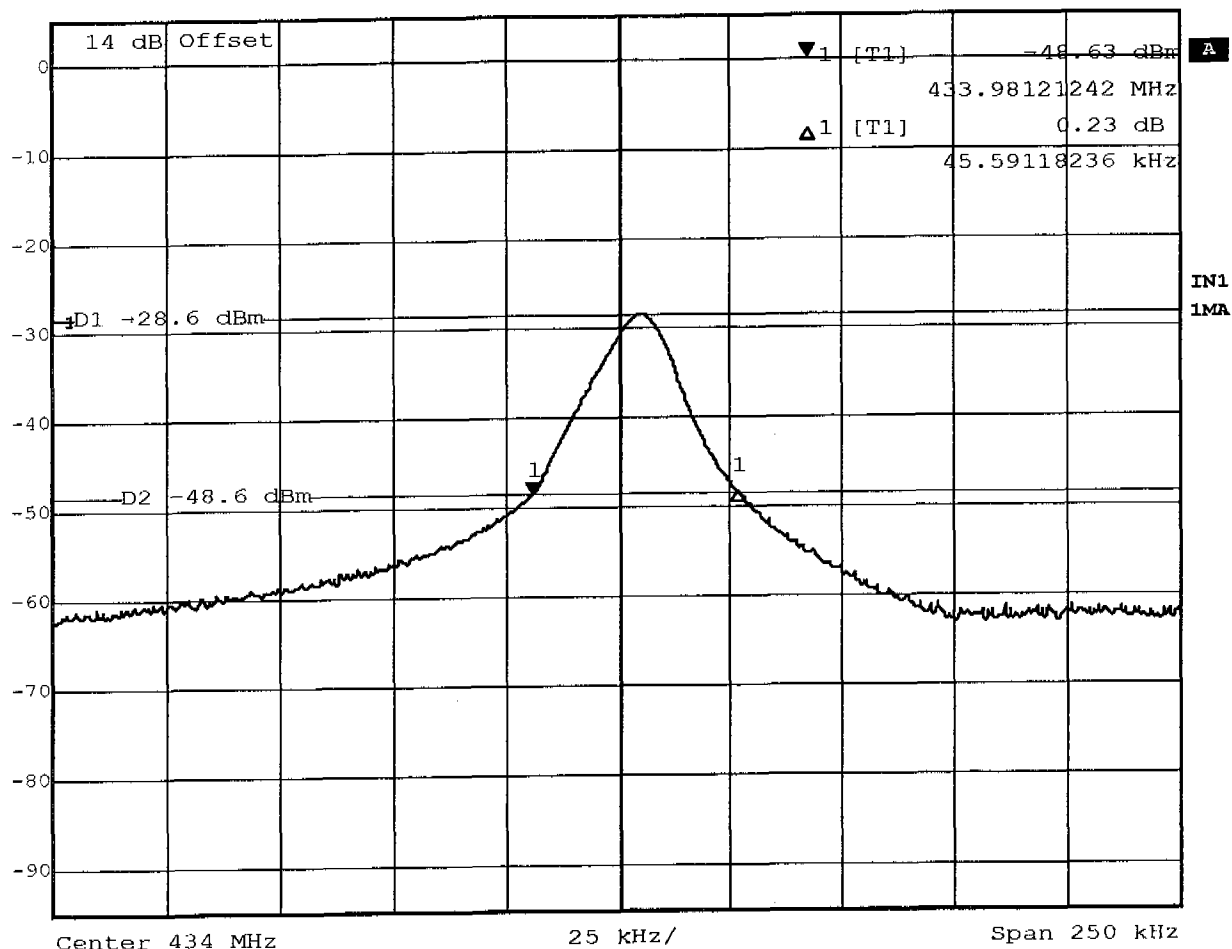


Ref Lvl  
5 dBm

Marker 1 [T1]  
-48.63 dBm  
433.98121242 MHz

RBW 10 kHz  
VBW 10 kHz  
SWT 100 ms

RF Att 20 dB  
Unit dBm



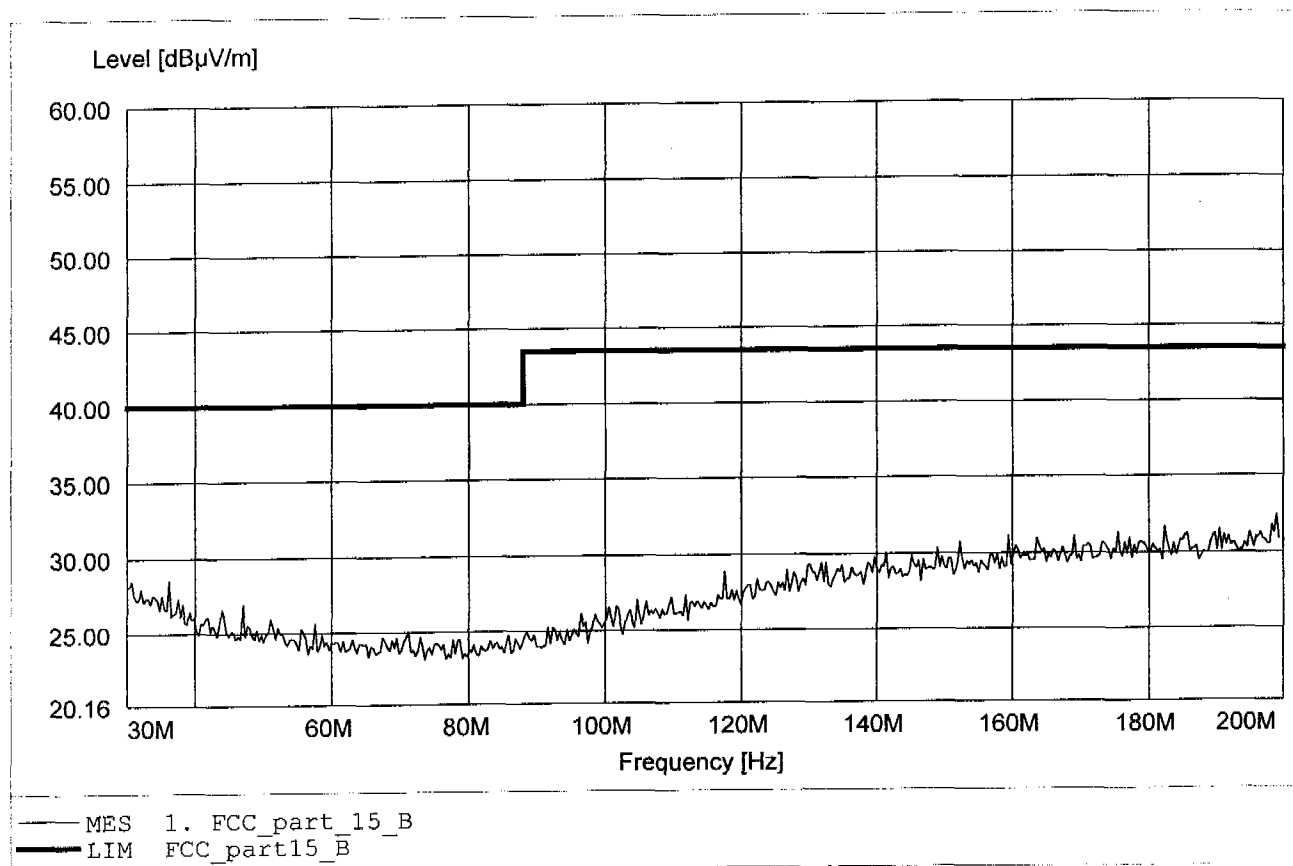
Title: -20 dB Bandwidth  
Comment A: La Crosse Technology Ltd. WS-2310  
Date: 29.MAY.2002 14:11:56

## **Appendix E**

Spurious Emissions radiated, Receiver

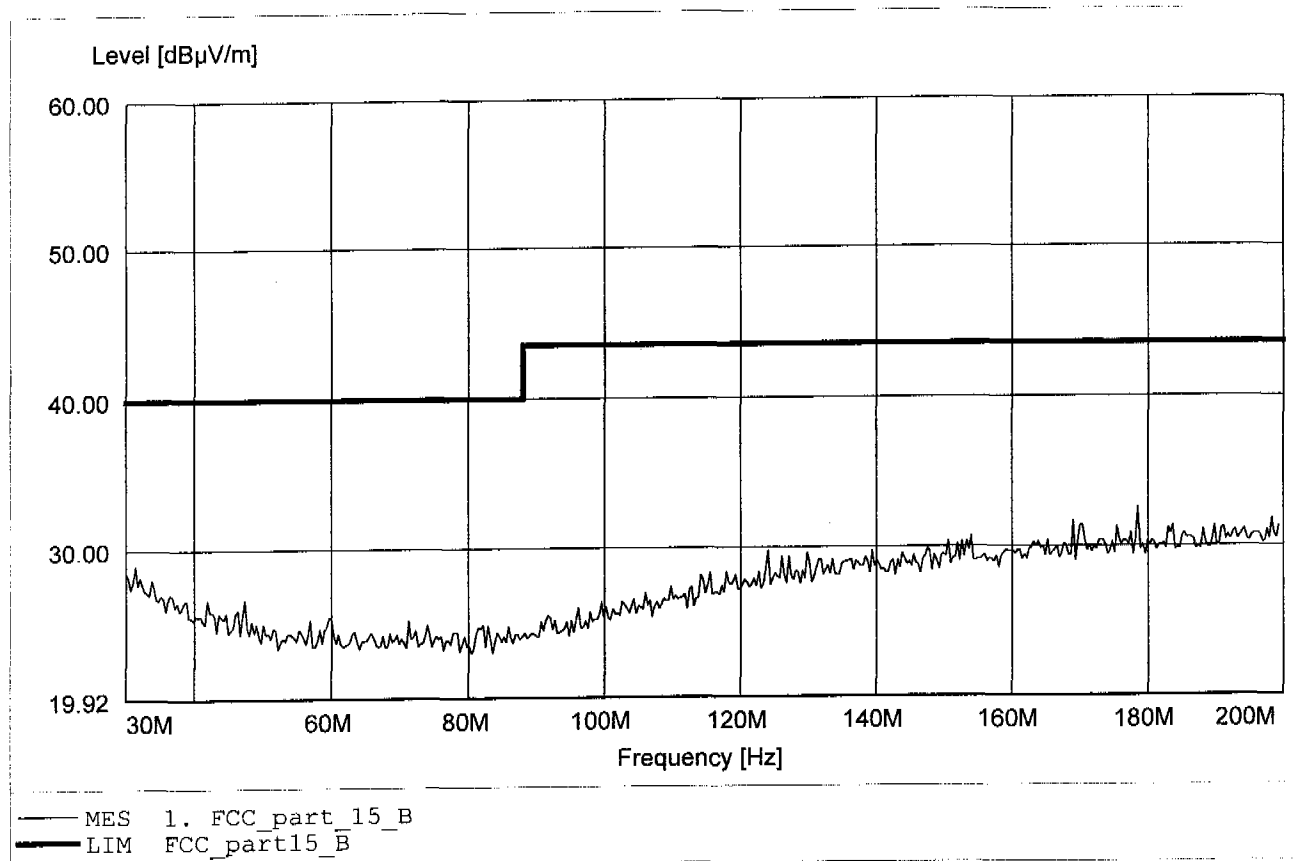
**Field Strength under normal conditions**  
**FCC RULES PART 15, SUBPART B**

EUT : Weather Station (Display)  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 110 V AC (AC/DC adaptor)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to subpart B  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:198.978MHz Emax:32.48dBμV/m RBW: 100 kHz



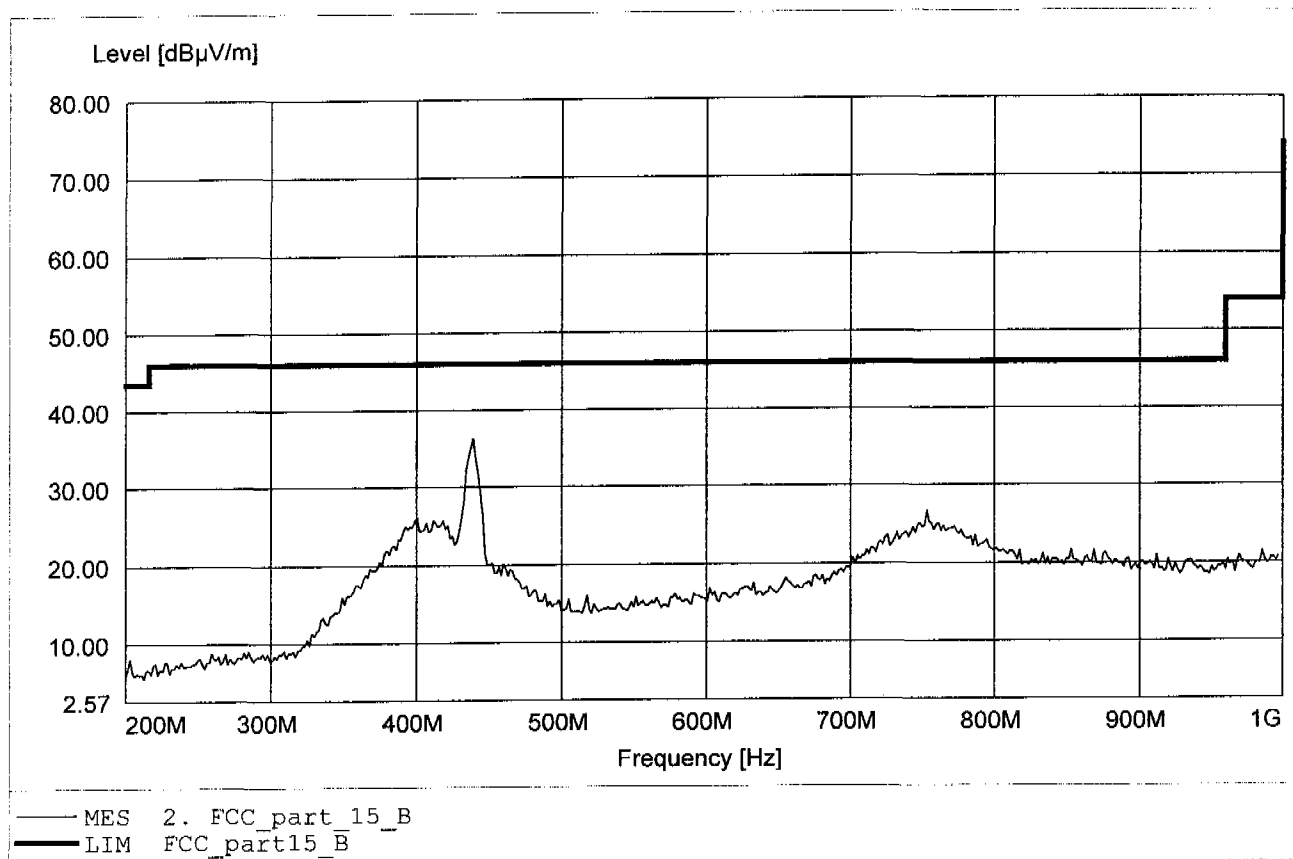
**Field Strength under normal conditions**  
**FCC RULES PART 15, SUBPART B**

EUT : Weather Station (Display)  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 110 V AC (AC/DC adaptor)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to subpart B  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:178.537MHz Emax:32.60dBμV/m RBW: 100 kHz



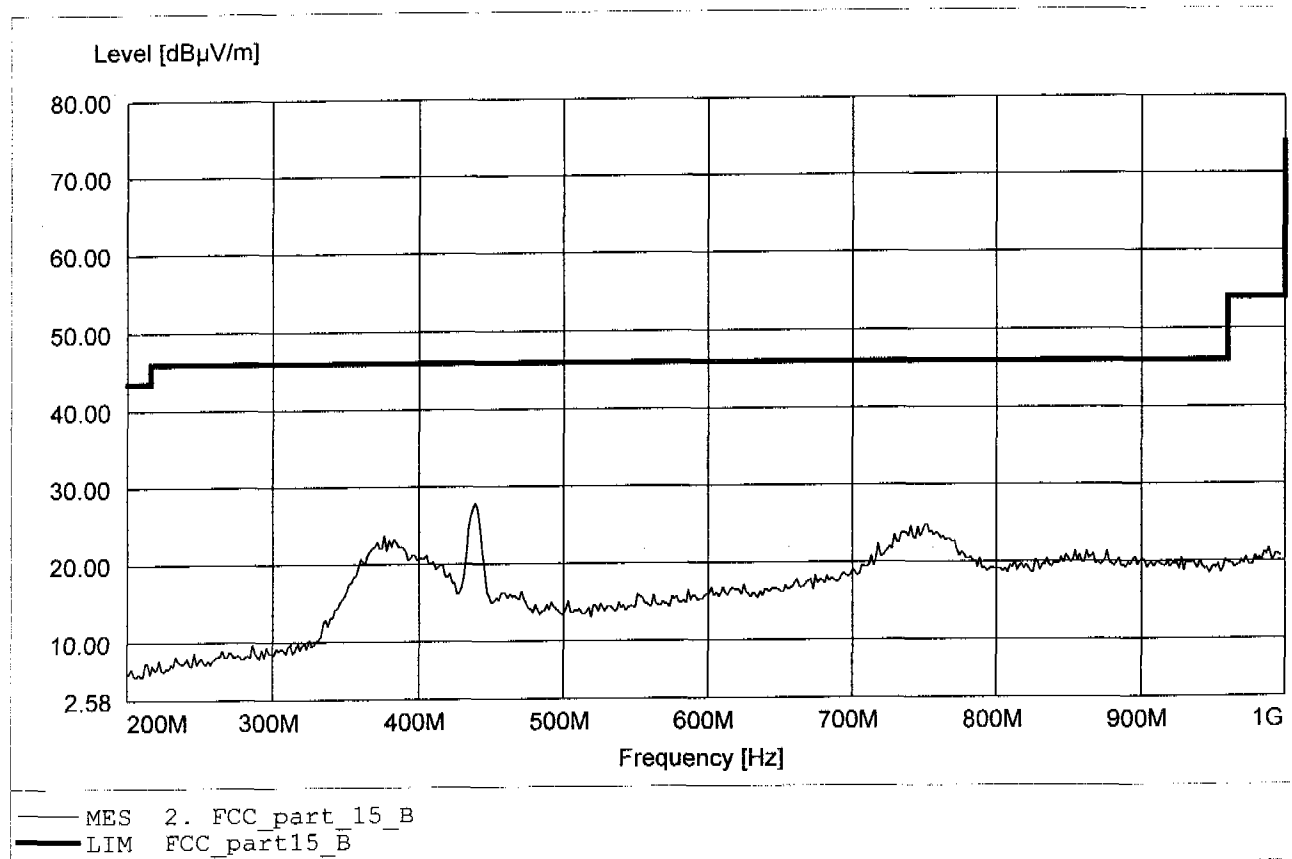
**Field Strength under normal conditions**  
**FCC RULES PART 15, SUBPART B**

EUT : Weather Station (Display)  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 110 V AC (AC/DC adaptor)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to subpart B  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:438.878MHz Emax:36.35dBµV/m RBW: 100 kHz



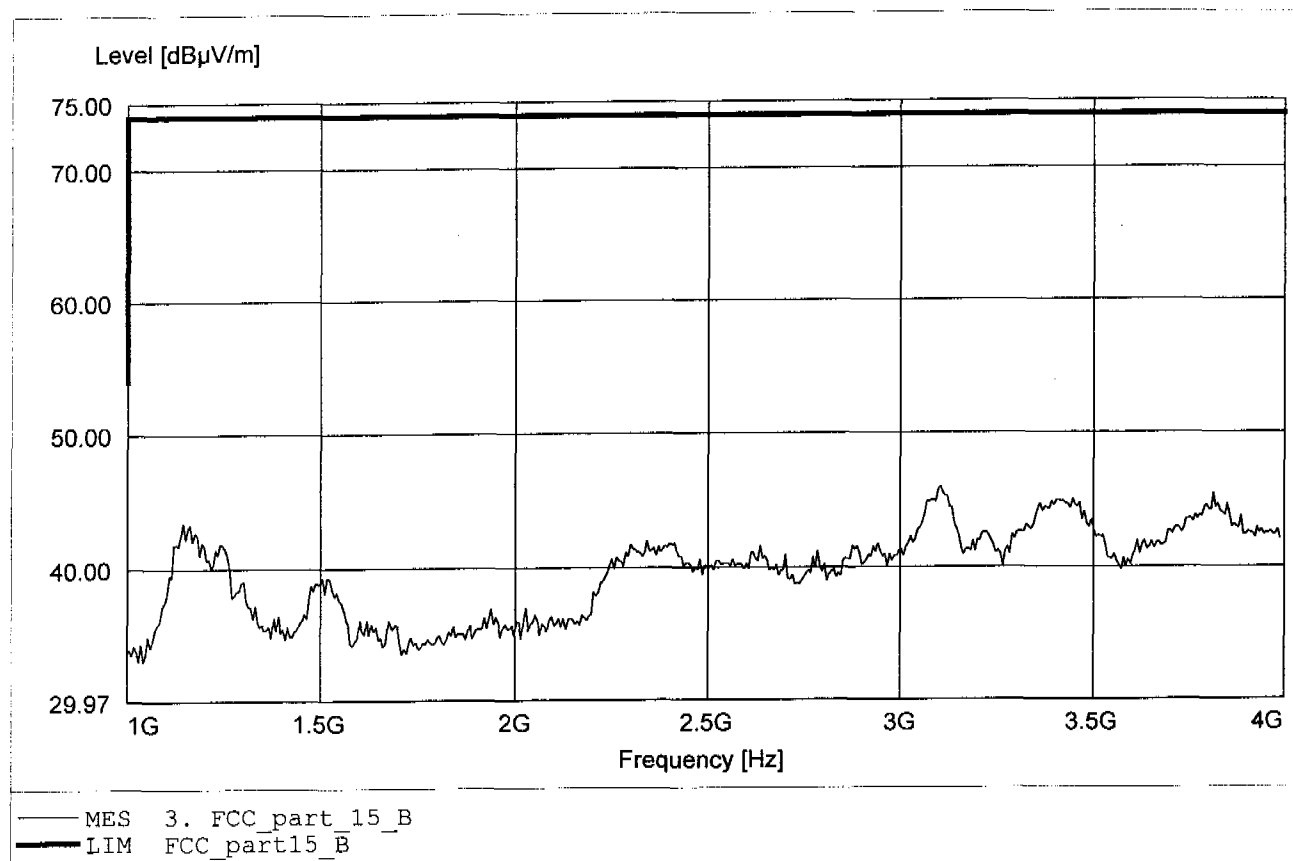
**Field Strength under normal conditions**  
**FCC RULES PART 15, SUBPART B**

EUT : Weather Station (Display)  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 110 V AC (AC/DC adaptor)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to subpart B  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:438.878MHz Emax:27.85dBμV/m RBW: 100 kHz



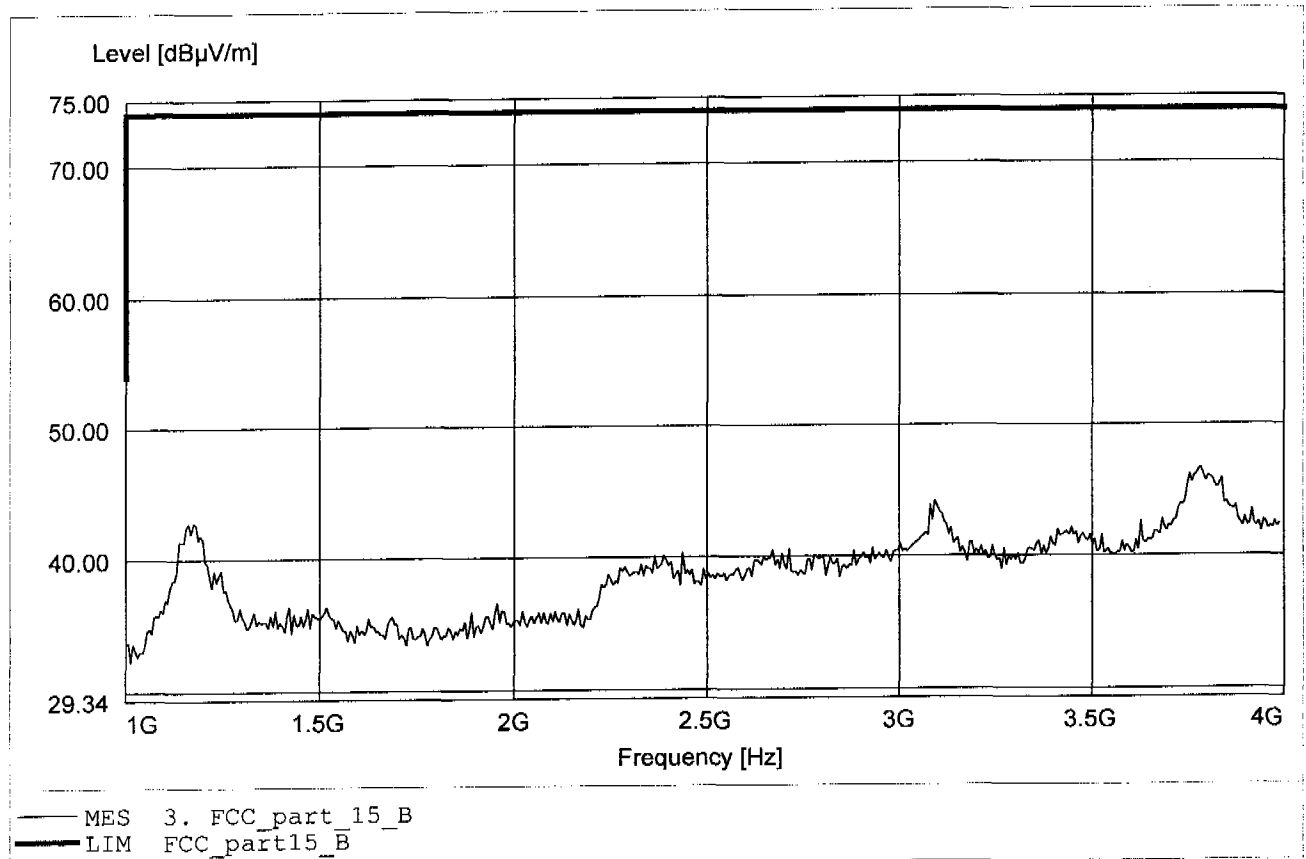
**Field Strength under normal conditions**  
**FCC RULES PART 15, SUBPART B**

EUT : Weather Station (Display)  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 110 V AC (AC/DC adaptor)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to §15.109, Limit 20 dB up peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.  
Comment 2: Freq:3.104GHz Emax:45.94dBμV/m RBW: 1 MHz



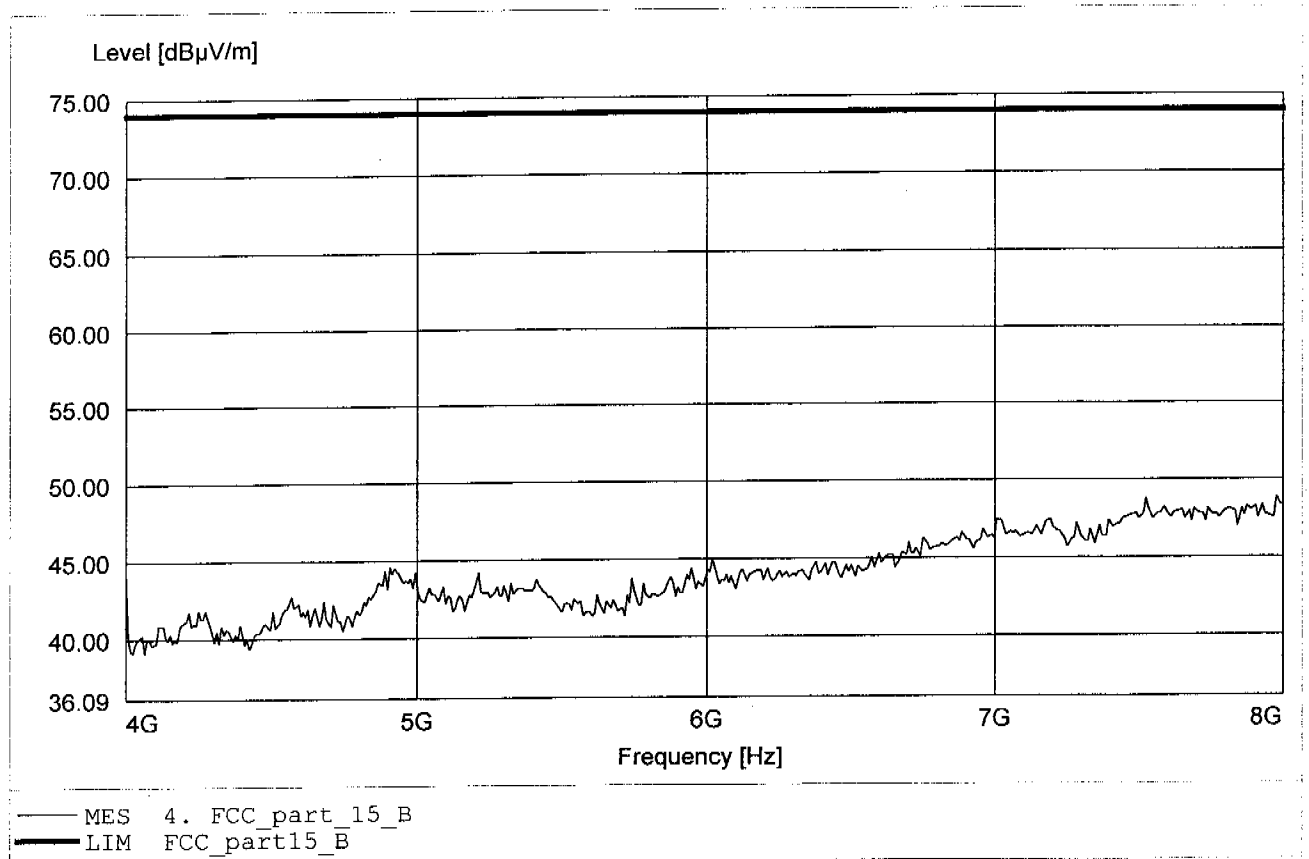
**Field Strength under normal conditions**  
**FCC RULES PART 15, SUBPART B**

EUT : Weather Station (Display)  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 110 V AC (AC/DC adaptor)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to S15109, Limit 20 dB up peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.  
Comment 2: Freq:3.784GHz Emax:46.66dBμV/m RBW: 1 MHz



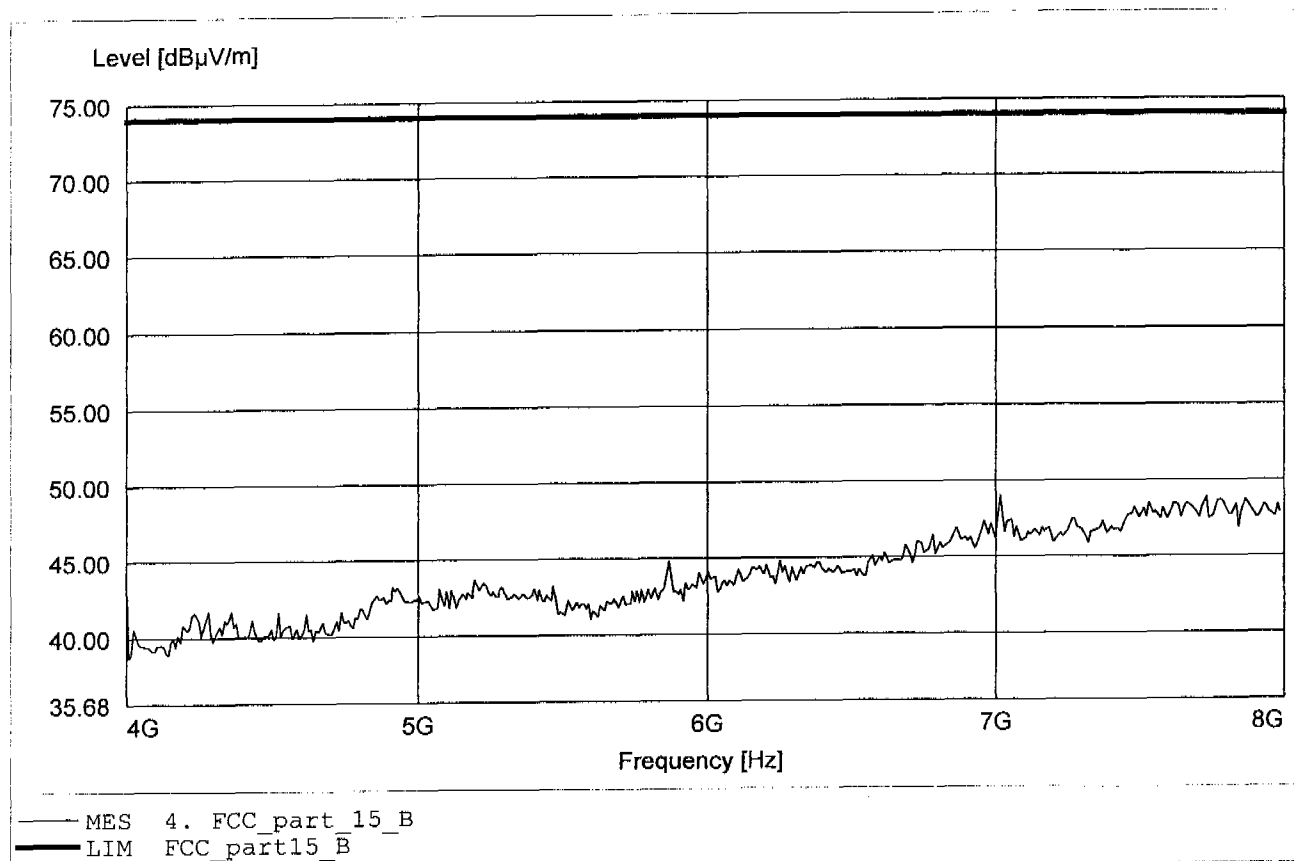
**Field Strength under normal conditions**  
**FCC RULES PART 15, SUBPART B**

EUT : Weather Station (Display)  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 110 V AC (AC/DC adaptor)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to S15109, Limit 20 dB up peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.  
Comment 2: Freq:7.976GHz Emax:48.90dBuV/m RBW: 1 MHz



**Field Strength under normal conditions**  
**FCC RULES PART 15, SUBPART B**

EUT : Weather Station (Display)  
Model: WS-2310  
Approval Holder: La Crosse Technology Ltd.  
Operating Condition: Tnom:23°C / Unom: 110 V AC (AC/DC adaptor)  
Test Site / Operator: ETS / Mr. Hoppe  
Test Specification: according to S15109, Limit 20 dB up peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.  
Comment 2: Freq:7.014GHz Emax:49.02dBμV/m RBW: 1 MHz



## Appendix F

Conducted Measurement at (AC) Power Line

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

EUT: WEATHER STATION  
Manufacturer: LA CROSSE TECHNOLOGY LTD.  
Operating Condition: Unom: 110VAC(AC/DC adaptor), Tnom: 23°C  
Test Site: ETS  
Operator: Mr. Marquardt  
Test Specification: V-Network: ESH3-Z5 (L1)  
Comment: model: WS-2310 mode: active

