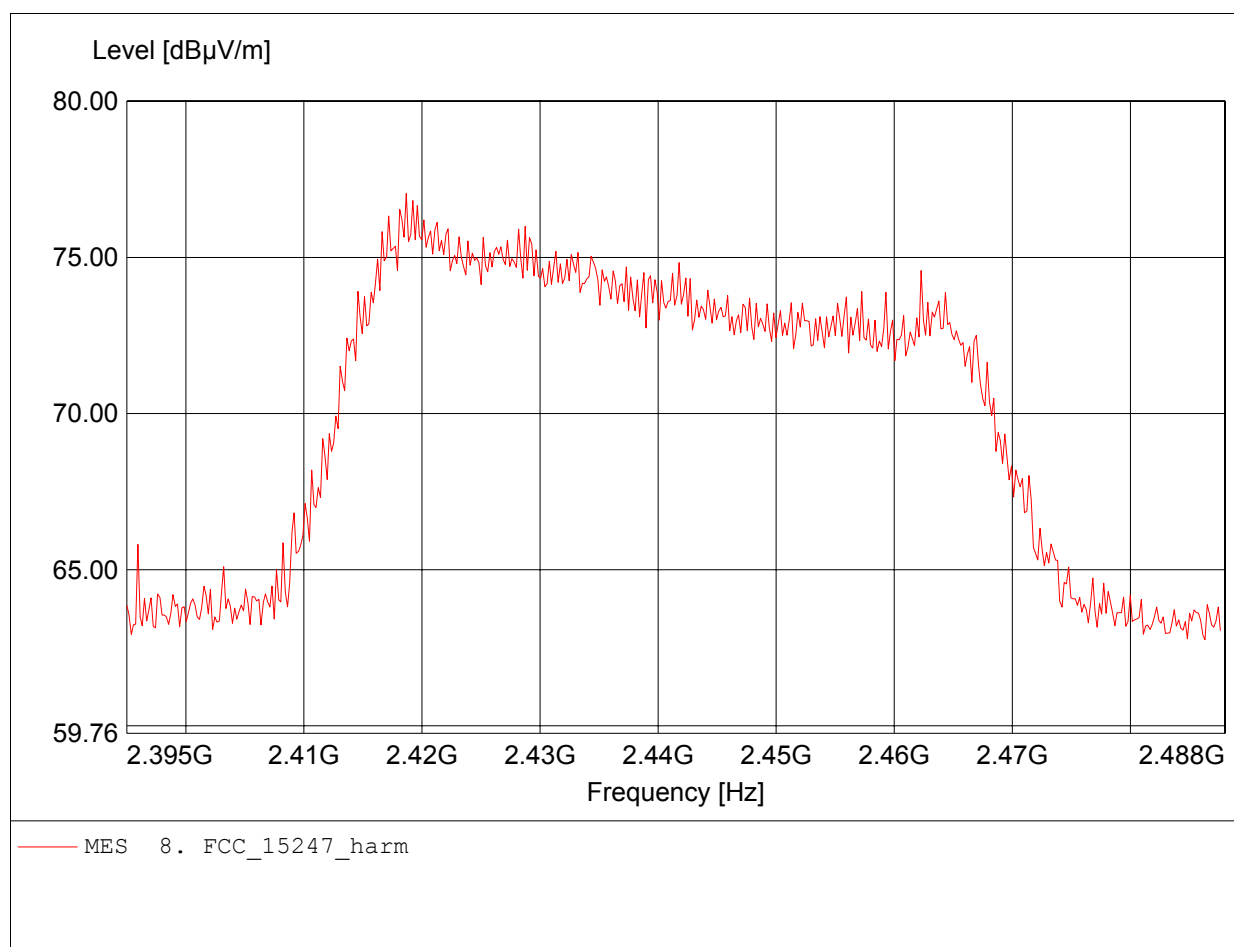


Appendix B

Spurious emissions radiated

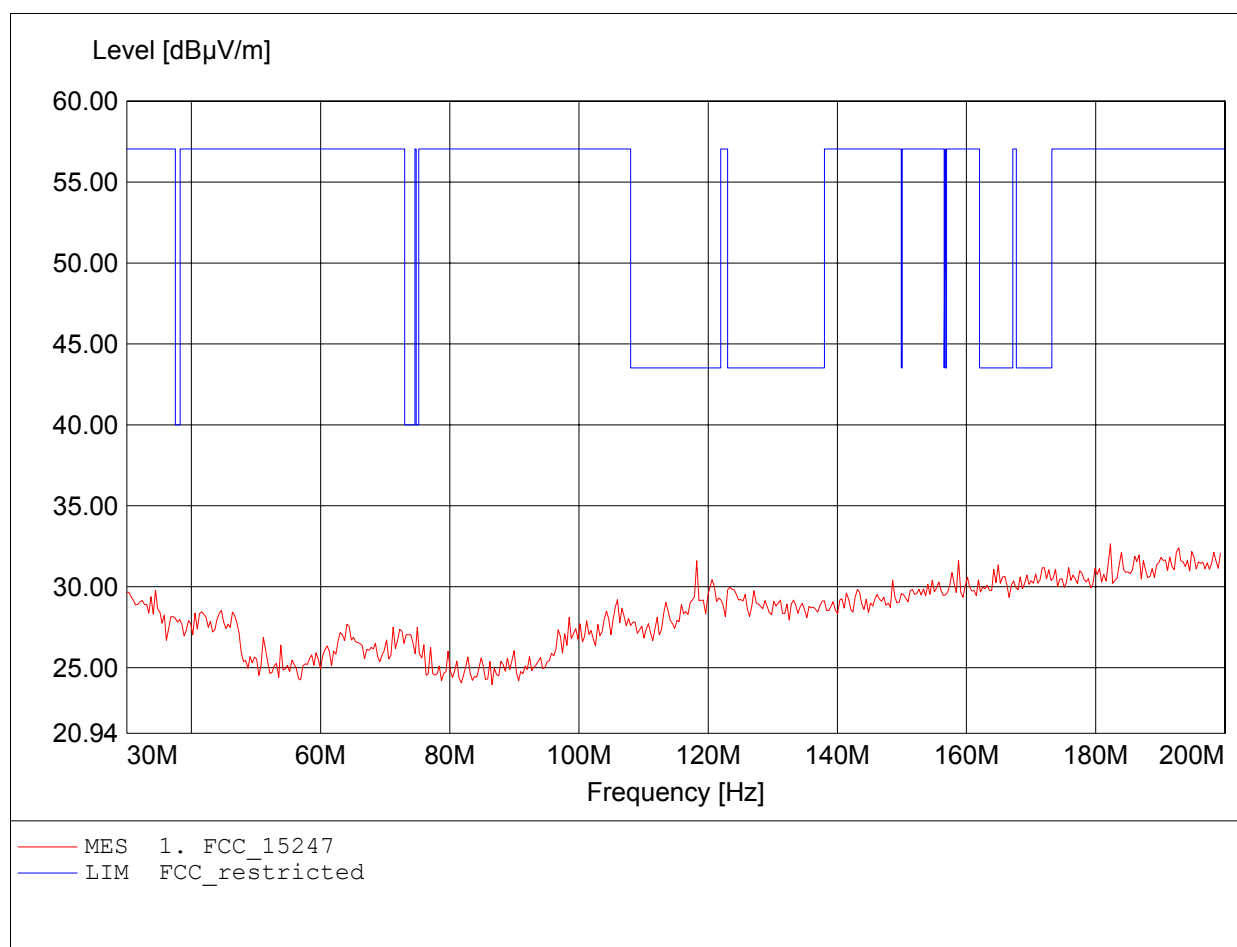
Carrier power (Field Strength)
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.419GHz, Emax: 77.05dBµV/m, RBW: 100kHz



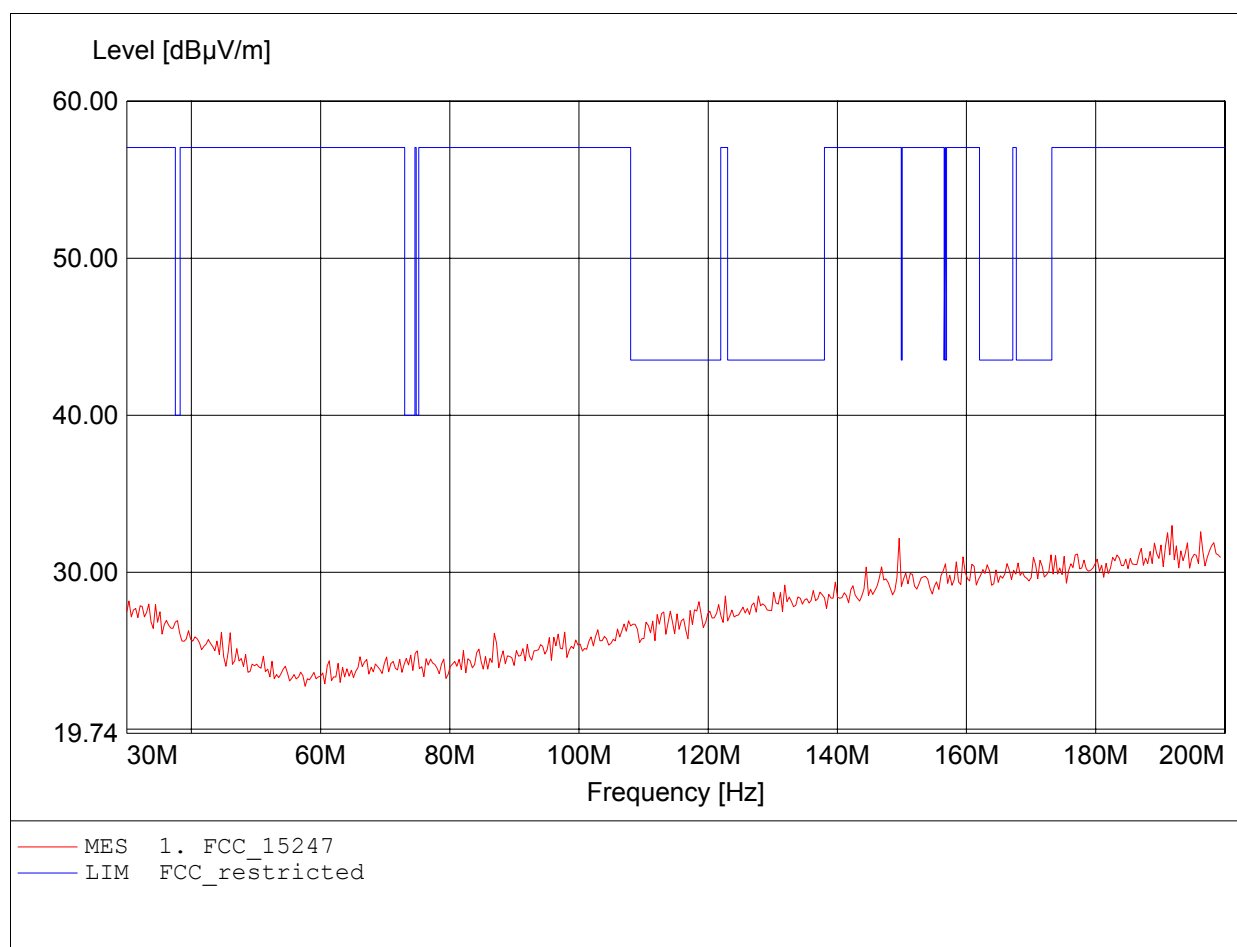
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 182.285MHz, Emax: 32.65dBµV/m, RBW: 100kHz



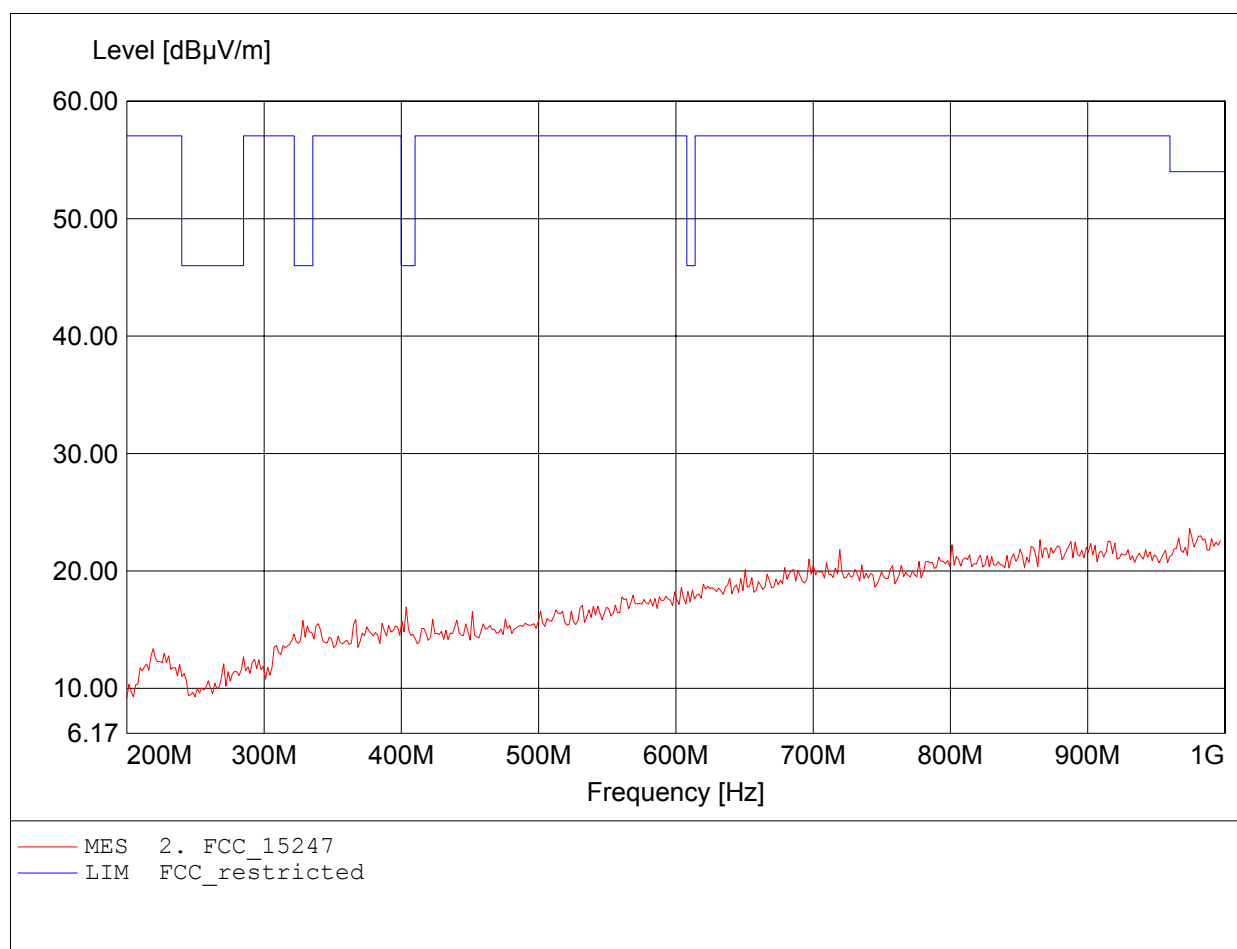
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 191.824MHz, Emax: 32.97dBµV/m, RBW: 100kHz



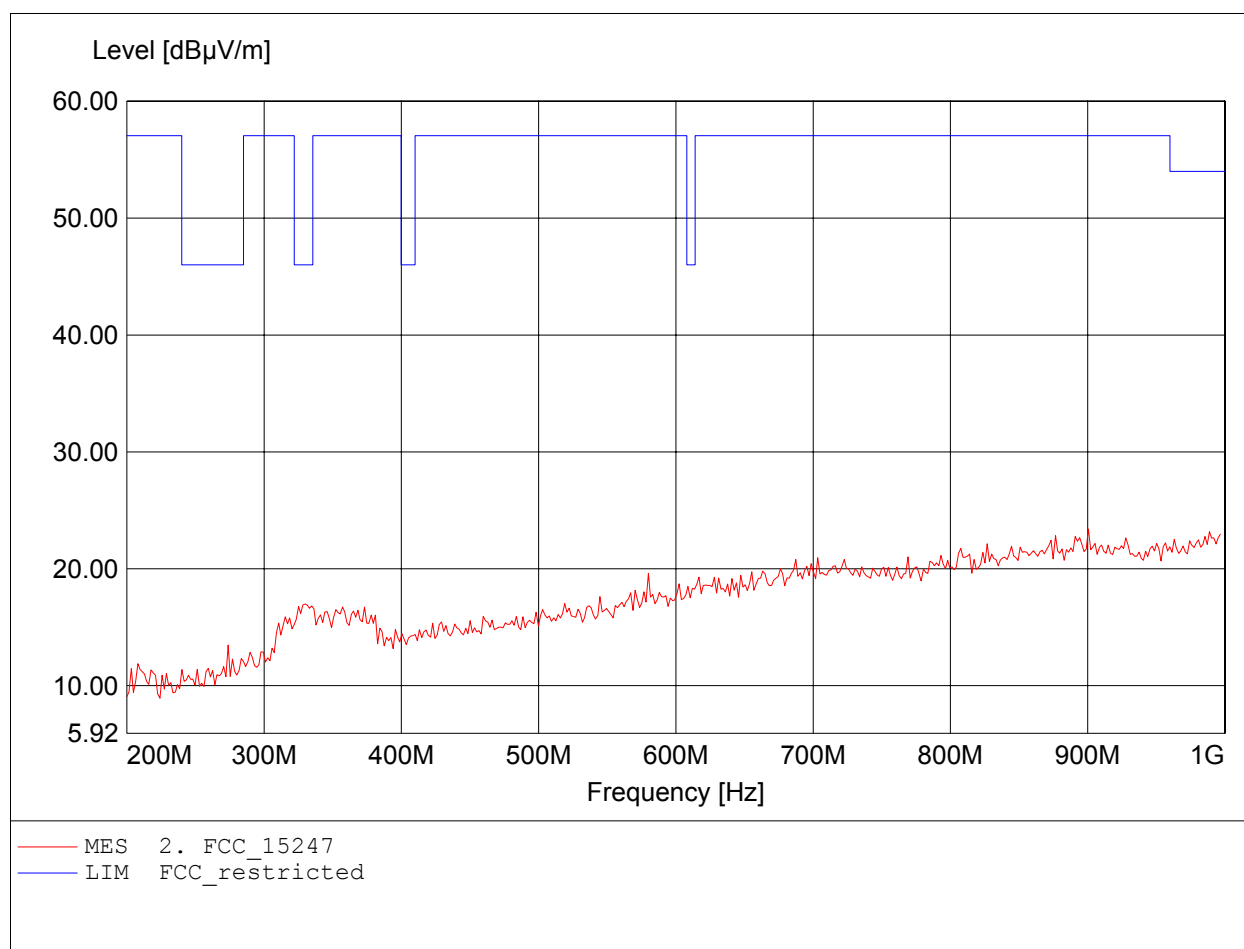
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 974.349MHz, Emax: 23.63dBµV/m, RBW: 100kHz



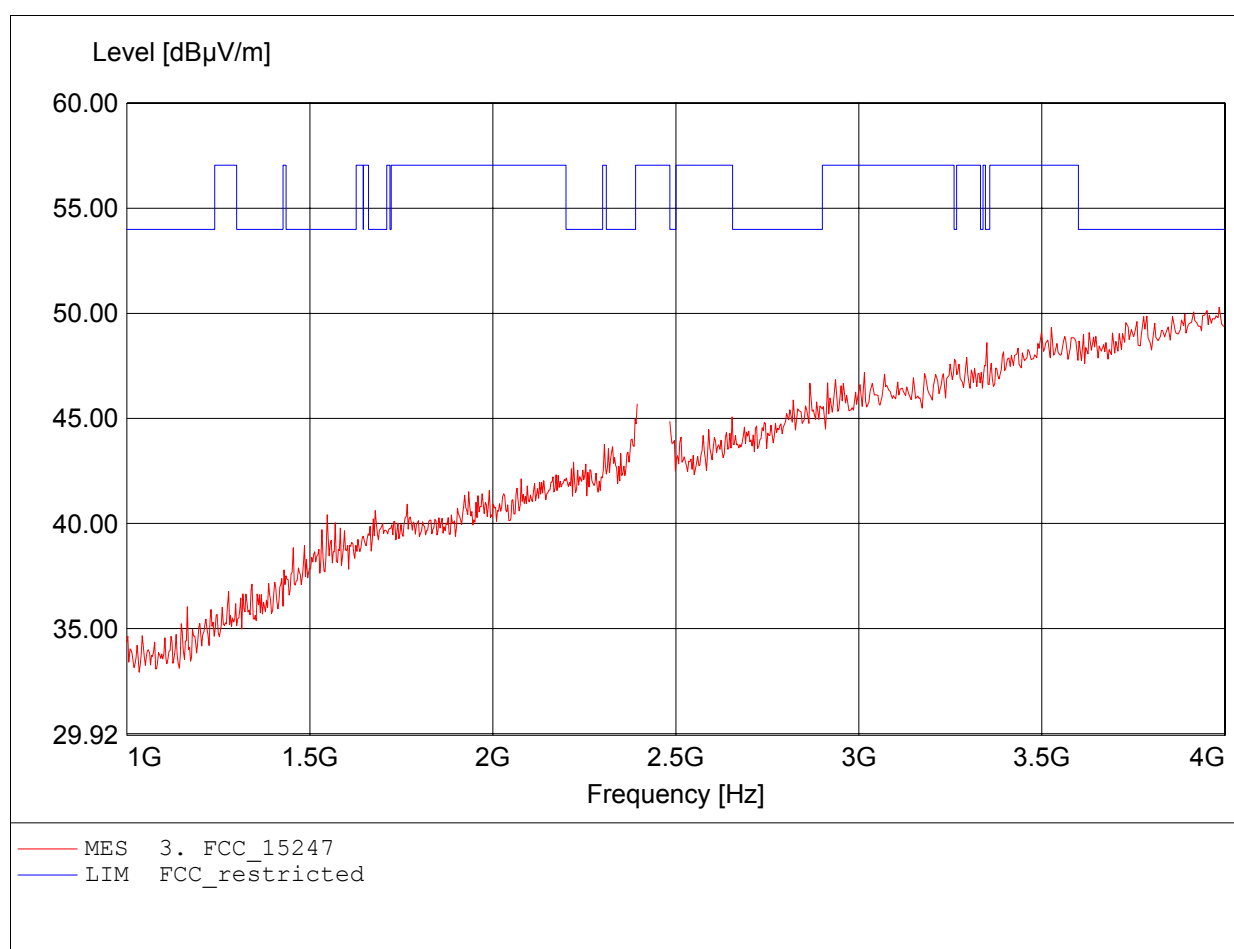
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 900.601MHz, Emax: 23.40dBµV/m, RBW: 100kHz



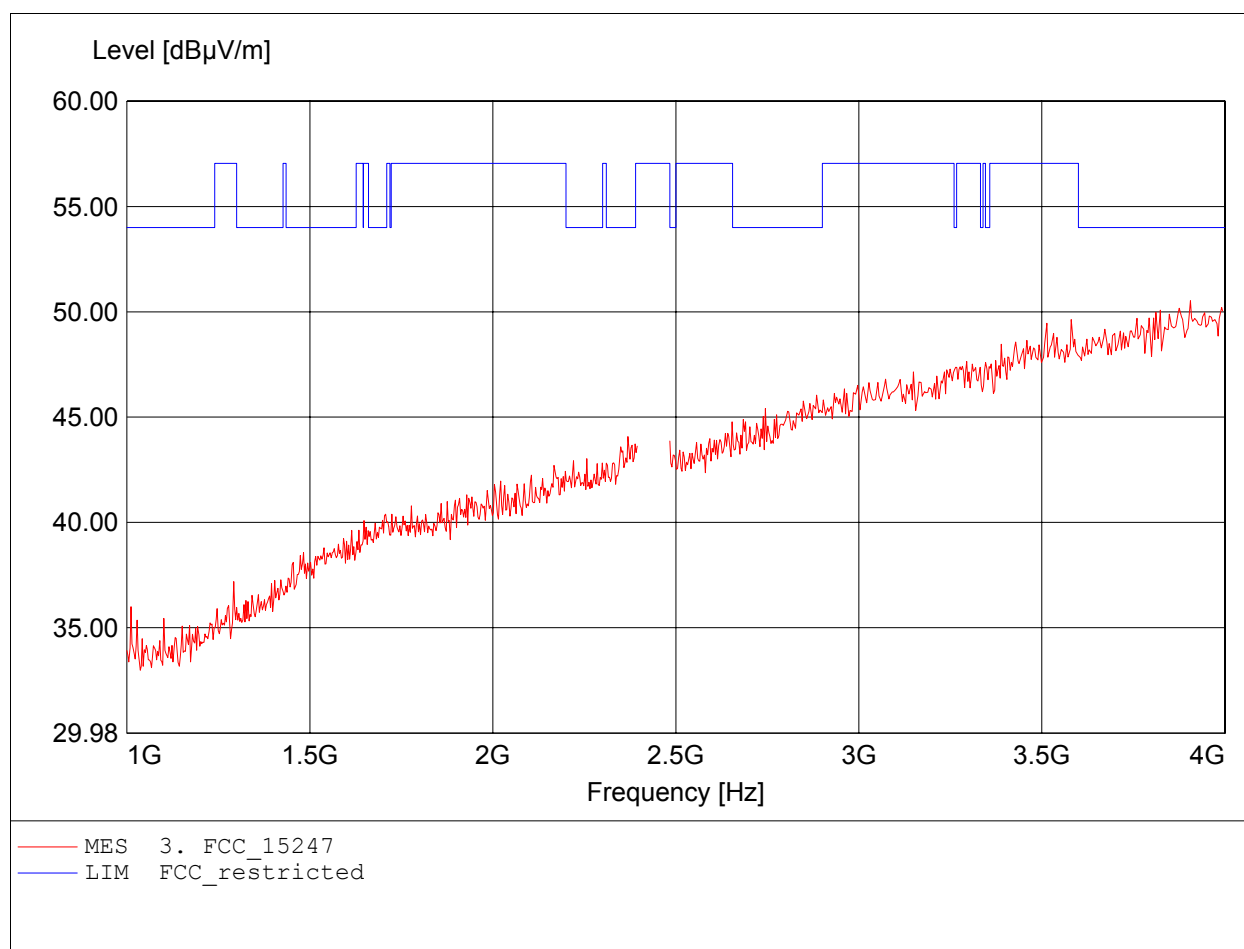
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.985GHz, Emax: 50.30dBµV/m, RBW: 1MHz



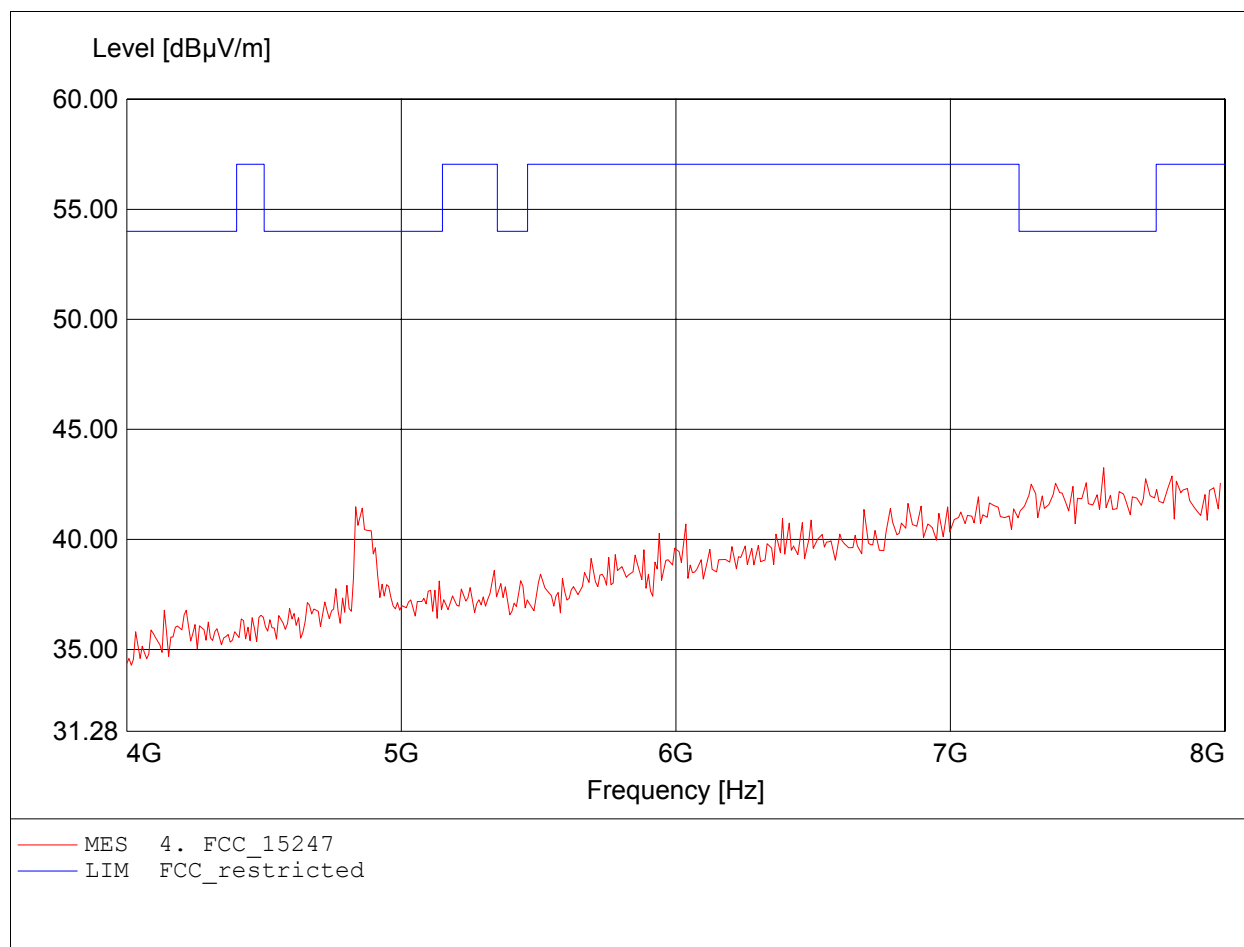
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.906GHz, Emax: 50.53dBμV/m, RBW: 1MHz



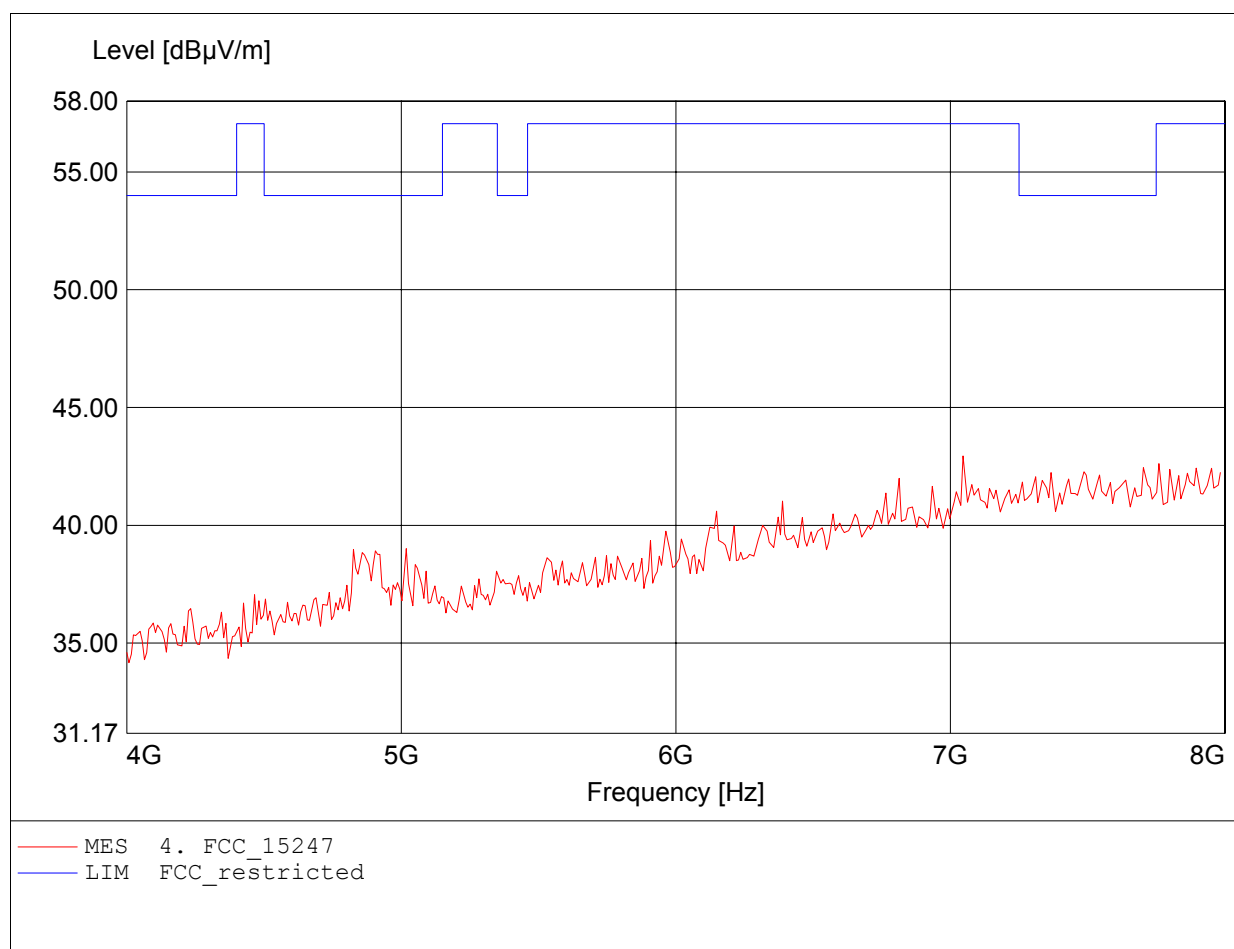
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.559GHz, Emax: 43.26dBµV/m, RBW: 1MHz



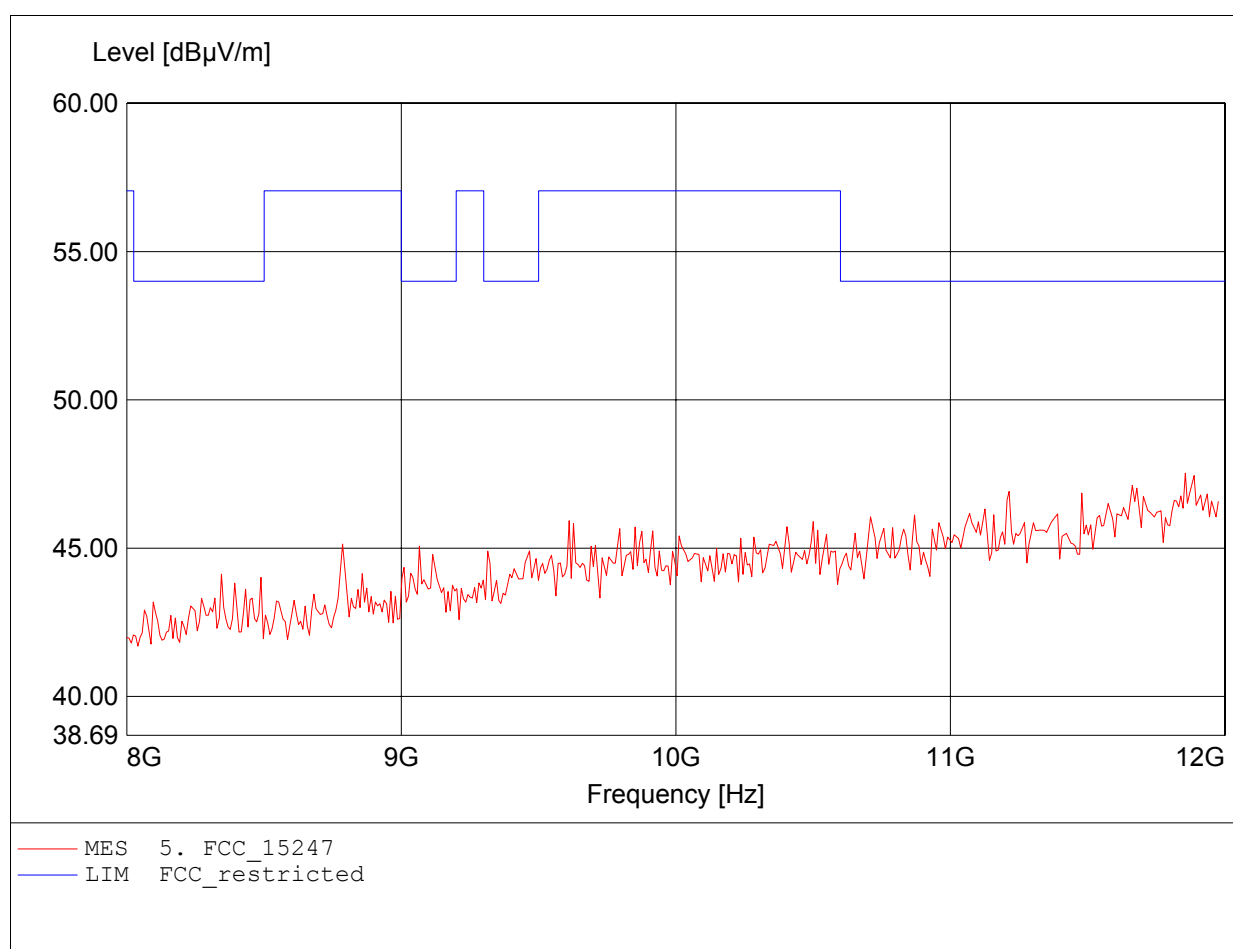
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.046GHz, Emax: 42.95dBµV/m, RBW: 1MHz



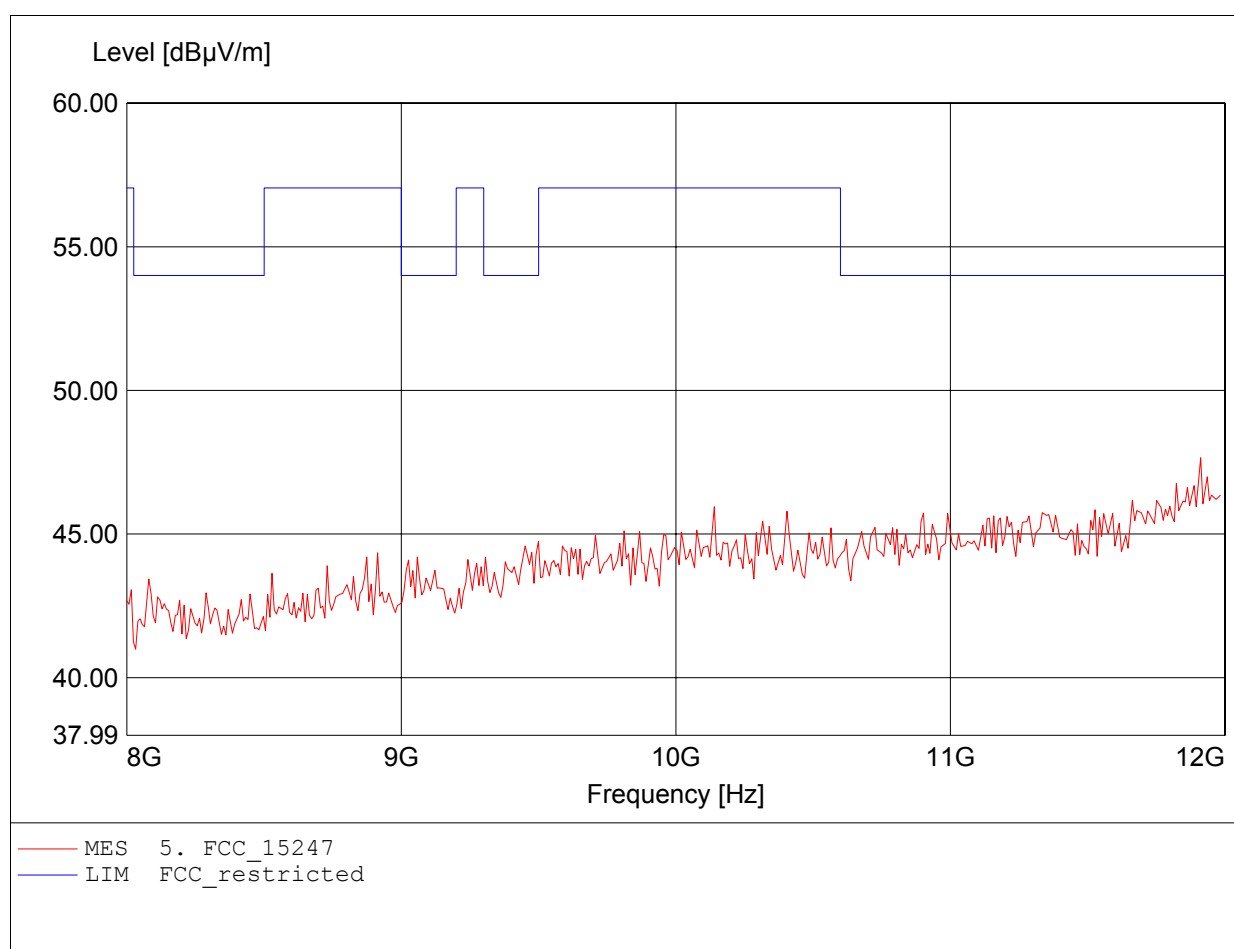
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.856GHz, Emax: 47.53dBµV/m, RBW: 1MHz



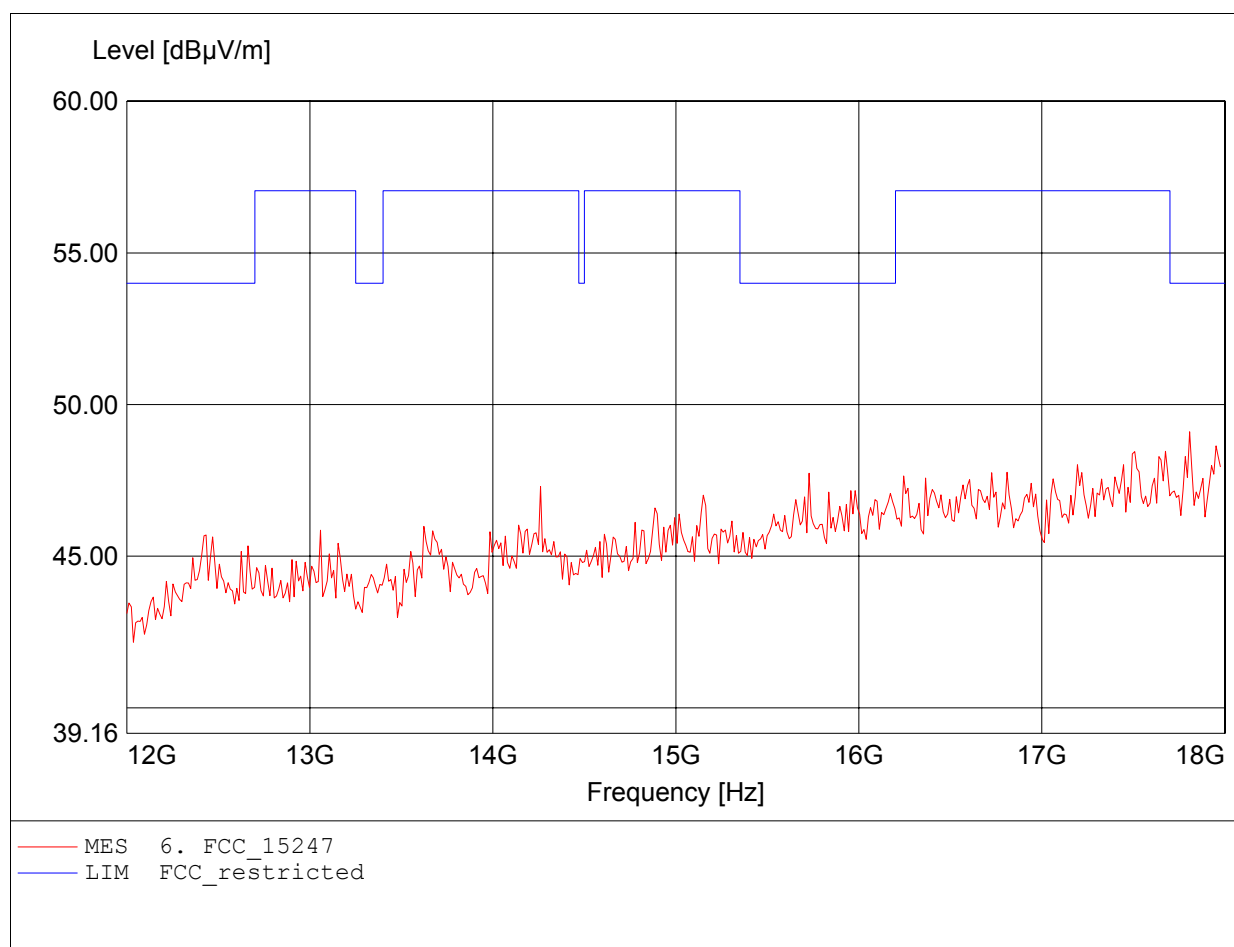
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.912GHz, Emax: 47.65dBµV/m, RBW: 1MHz



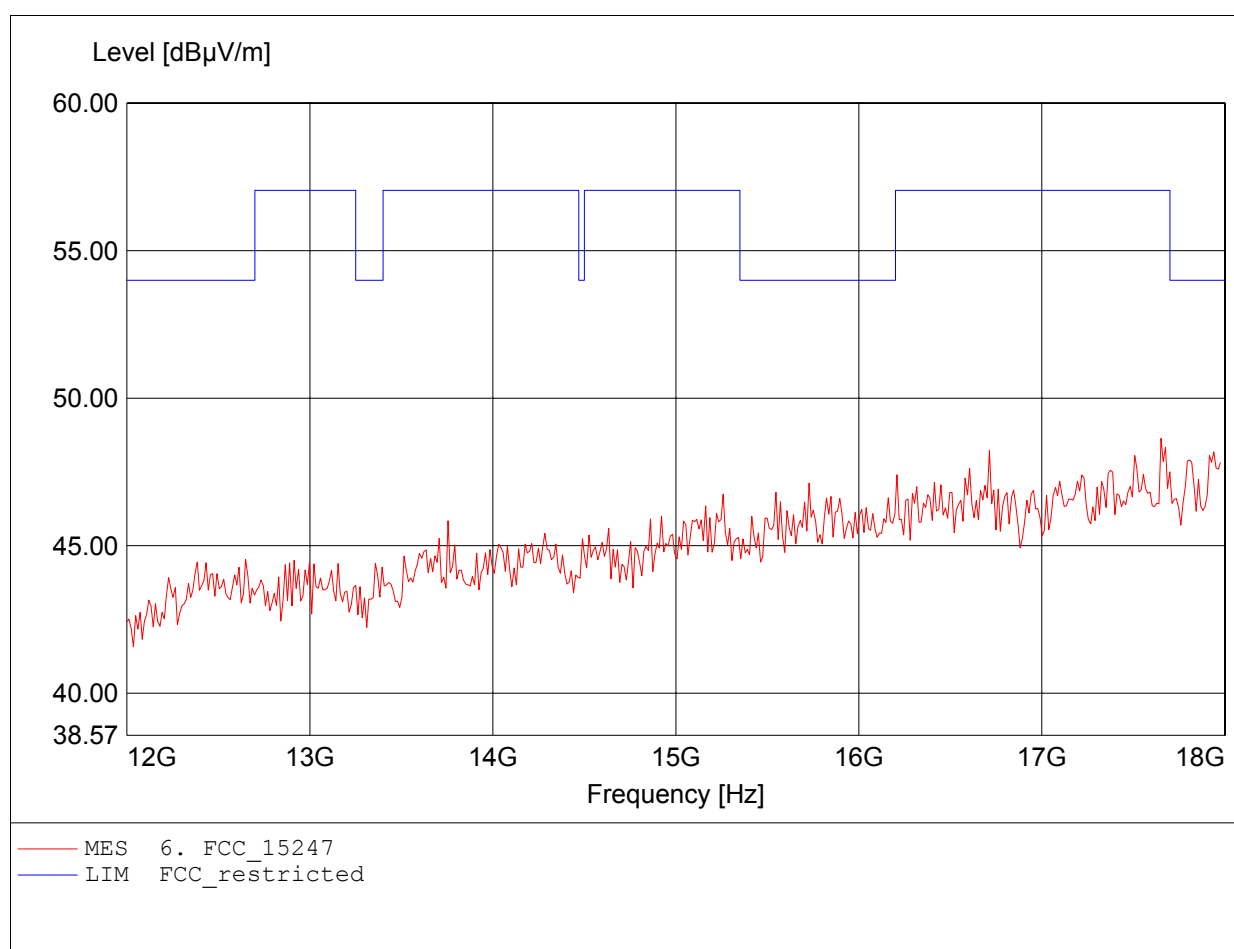
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 17.808GHz, Emax: 49.10dBµV/m, RBW: 1MHz



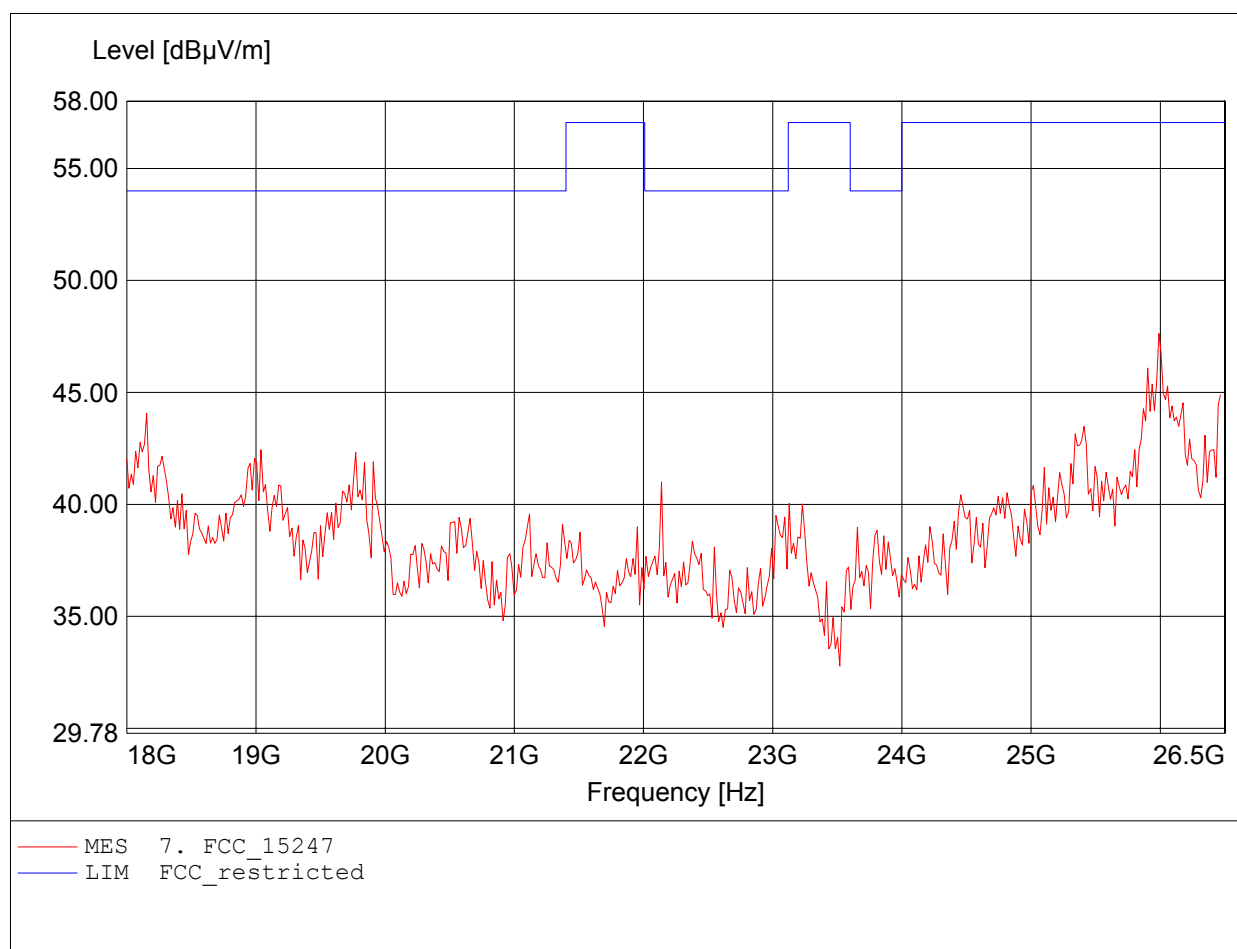
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 17.651GHz, Emax: 48.64dBµV/m, RBW: 1MHz



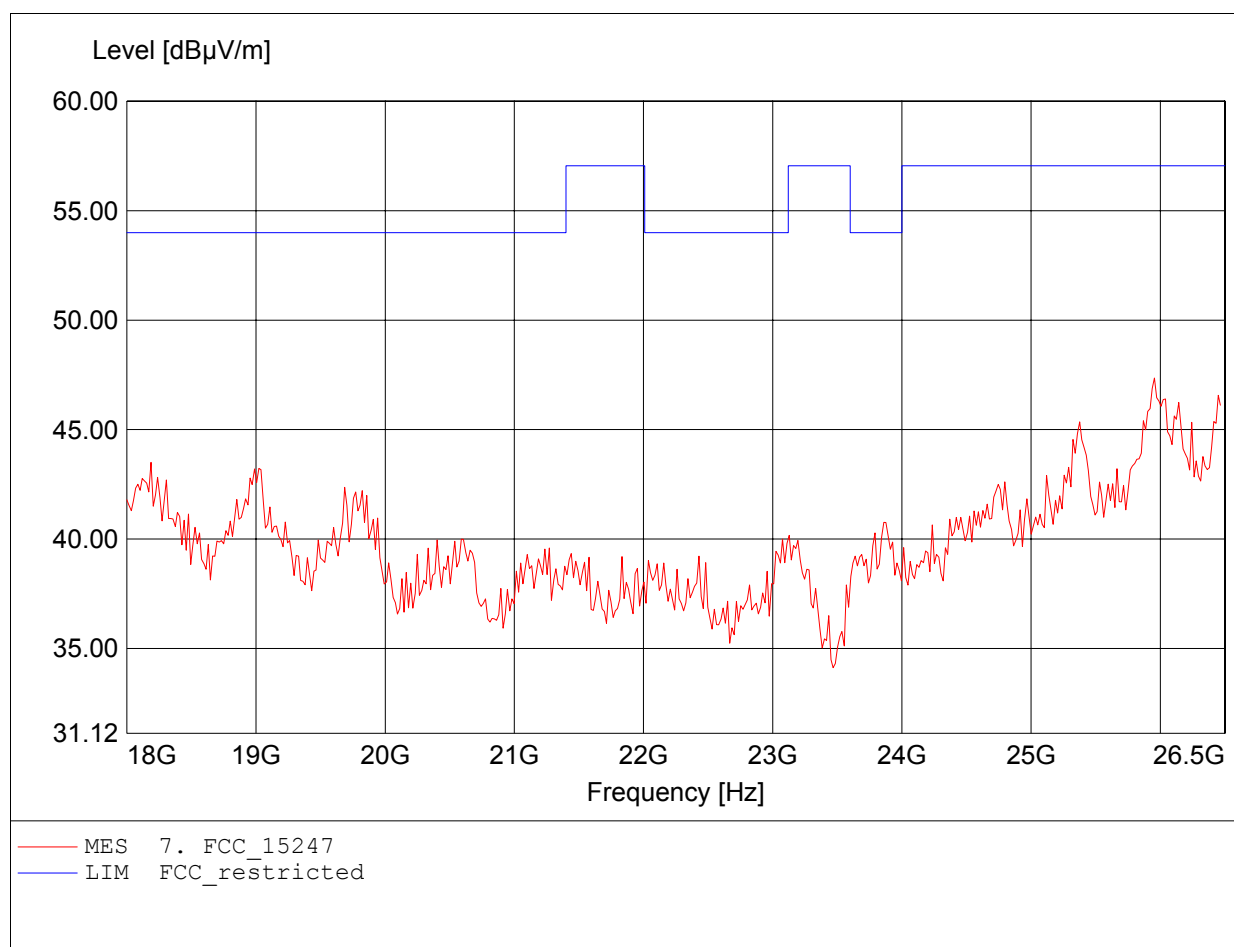
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.989GHz, Emax: 47.63dBµV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.955GHz, Emax: 47.35dBµV/m, RBW: 1MHz

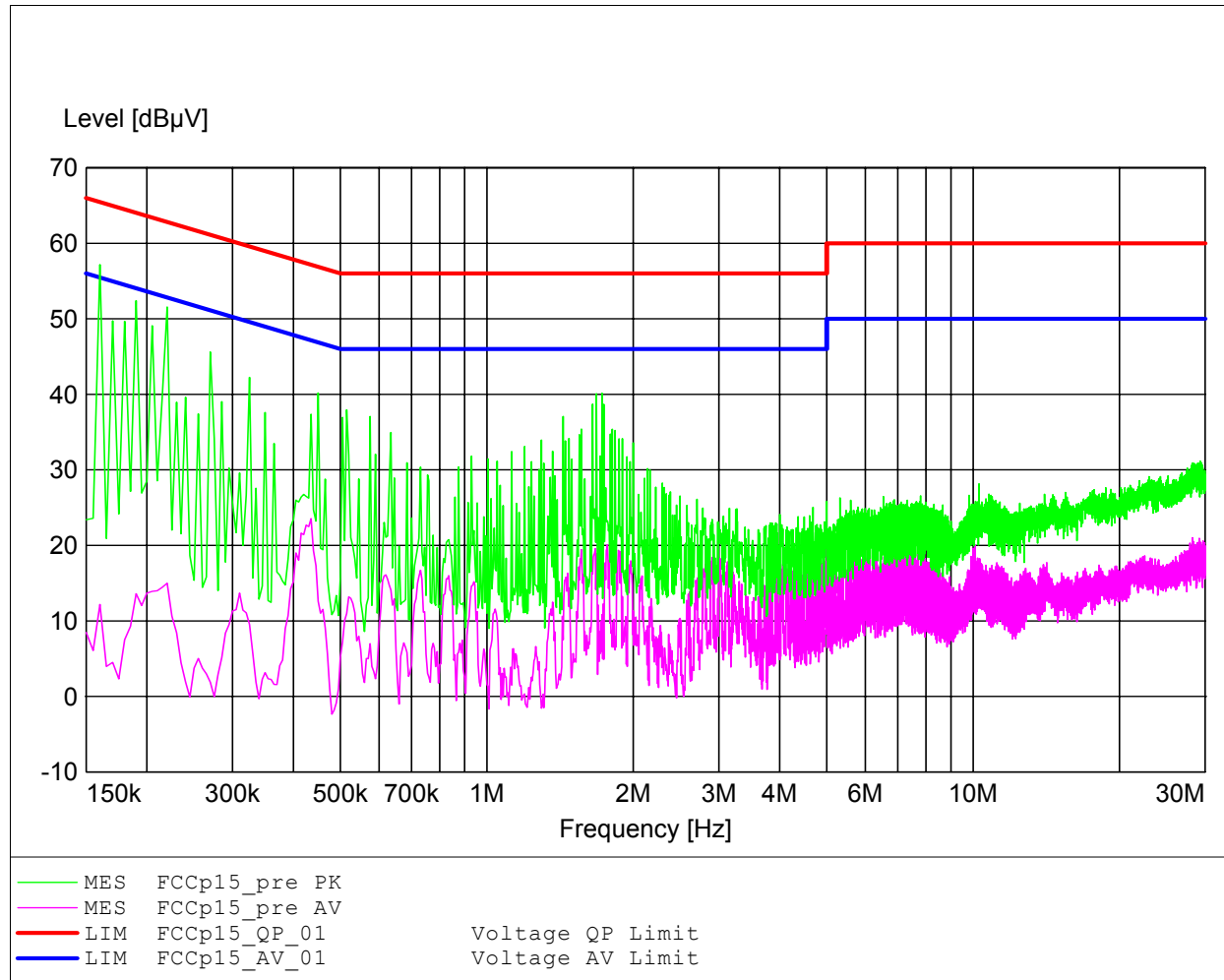


Appendix C

AC power line conducted

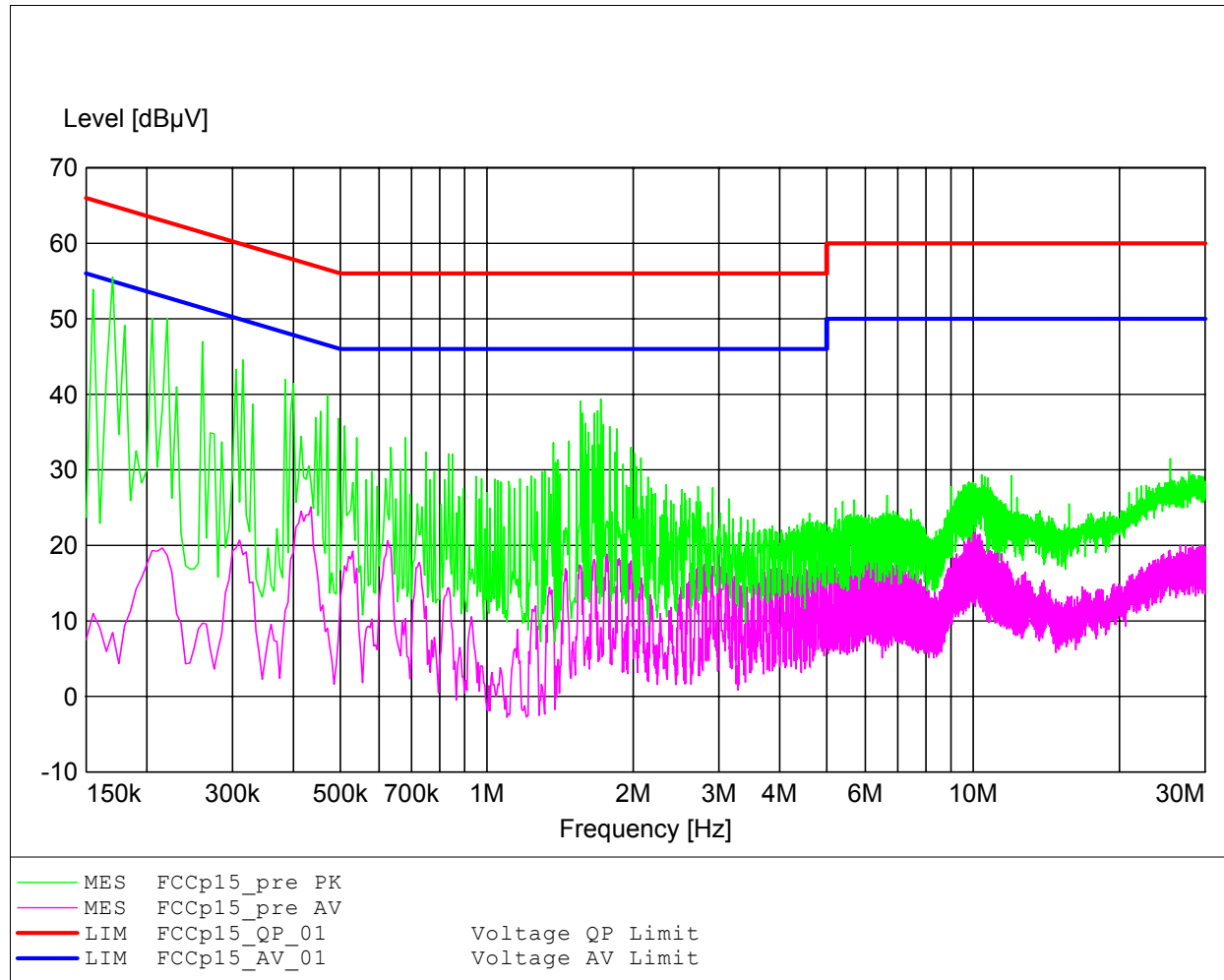
EMI voltage test in the ac-mains according to FCC part 15

Approval Holder: Nanotron Technologies GmbH
EUT : nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Production Service GmbH / Mr. Pflug
Test Conditions: Unom: 120 V/AC (AC/DC adaptor), Tnom: 23°C
Test Specification: V-Network: ESH2-Z5 (L1)
Comment 1: mode: transmit
Comment 2:



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

Approval Holder: Nanotron Technologies GmbH
EUT : nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Production Service GmbH / Mr. Pflug
Test Conditions: Unom: 120 V/AC (AC/DC adaptor), Tnom: 23°C
Test Specification: V-Network: ESH2-Z5 (N)
Comment 1: mode: transmit
Comment 2:

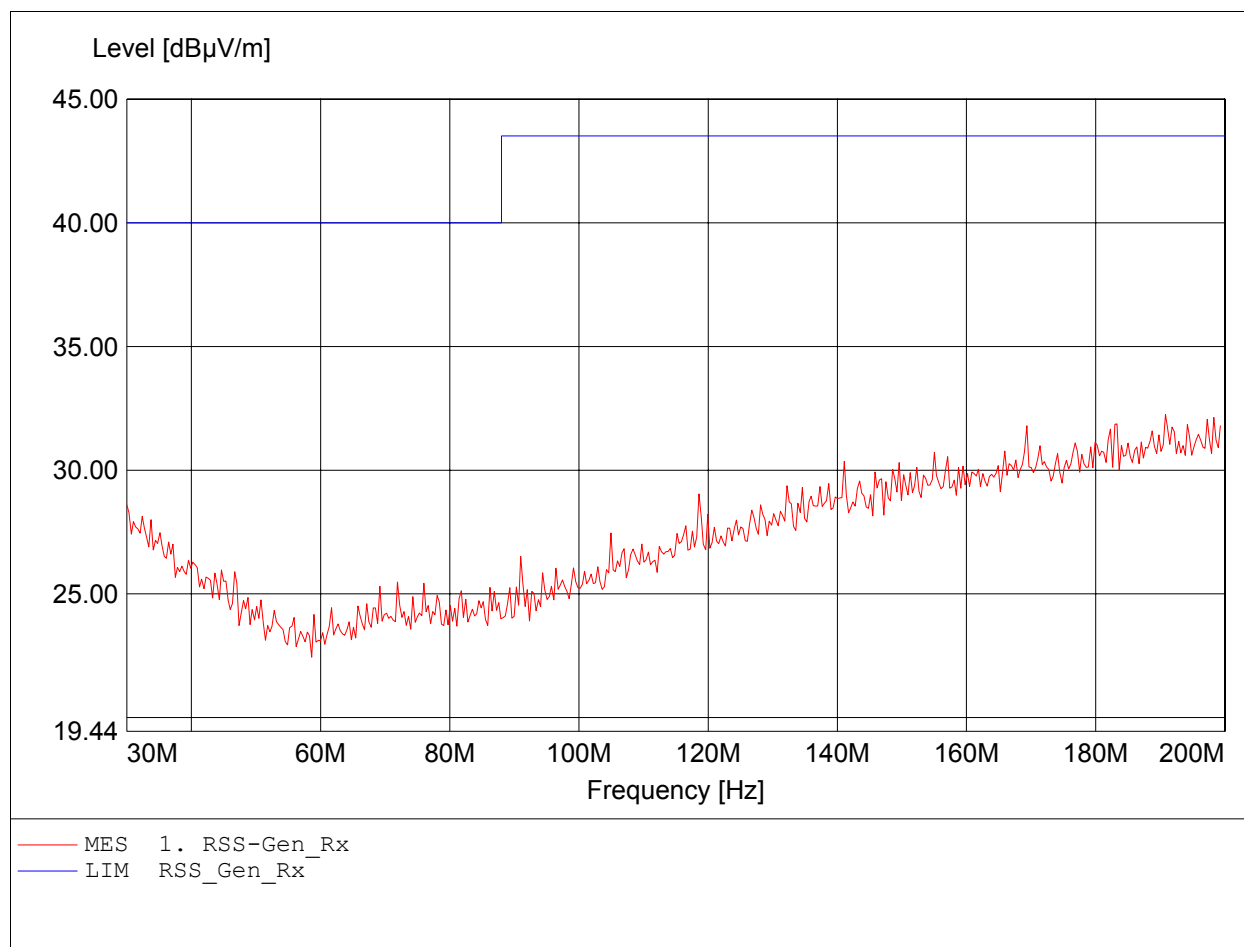


Appendix D

Receiver spurious emissions

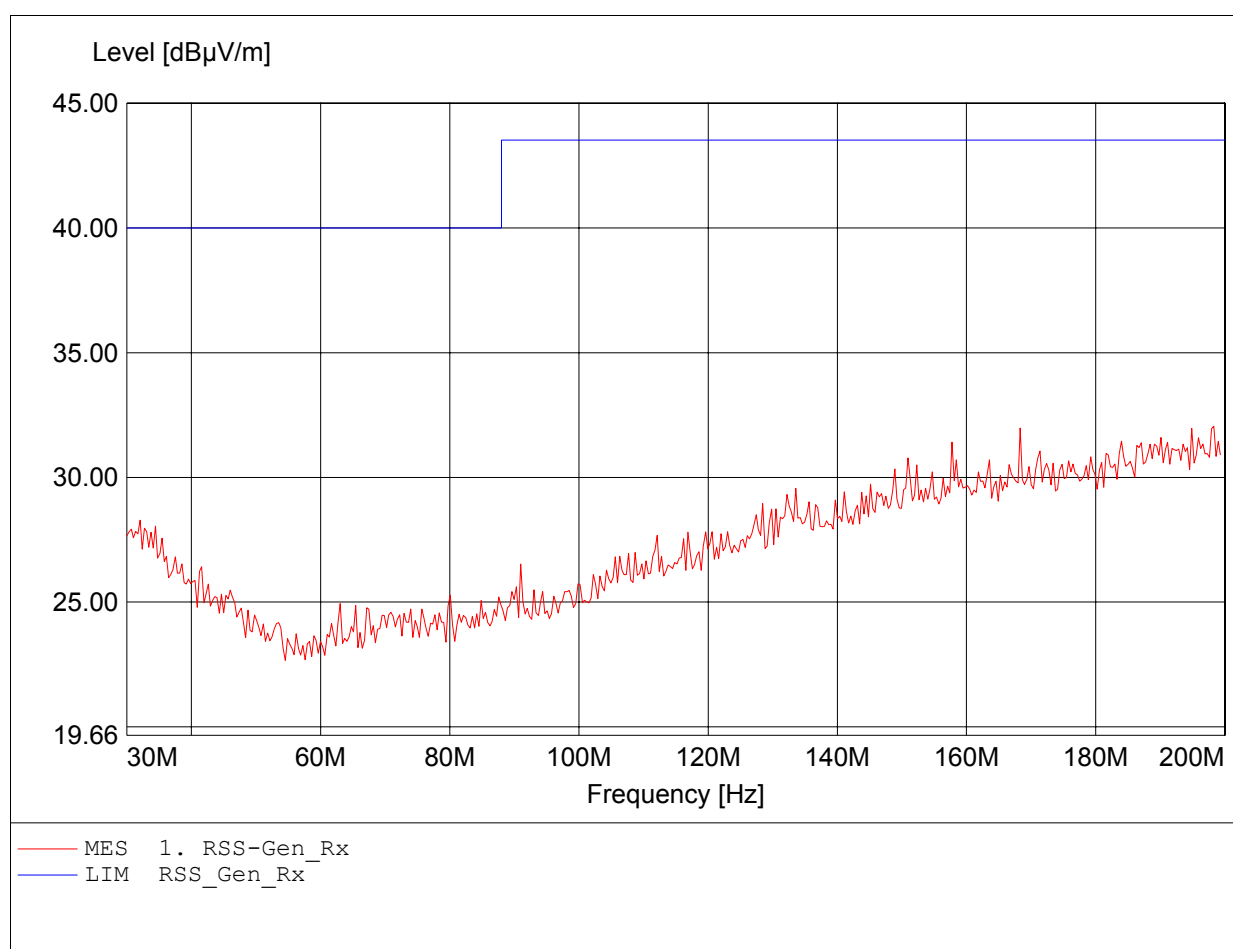
Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:190.802MHz Emax:32.26dBµV/m RBW: 100 kHz



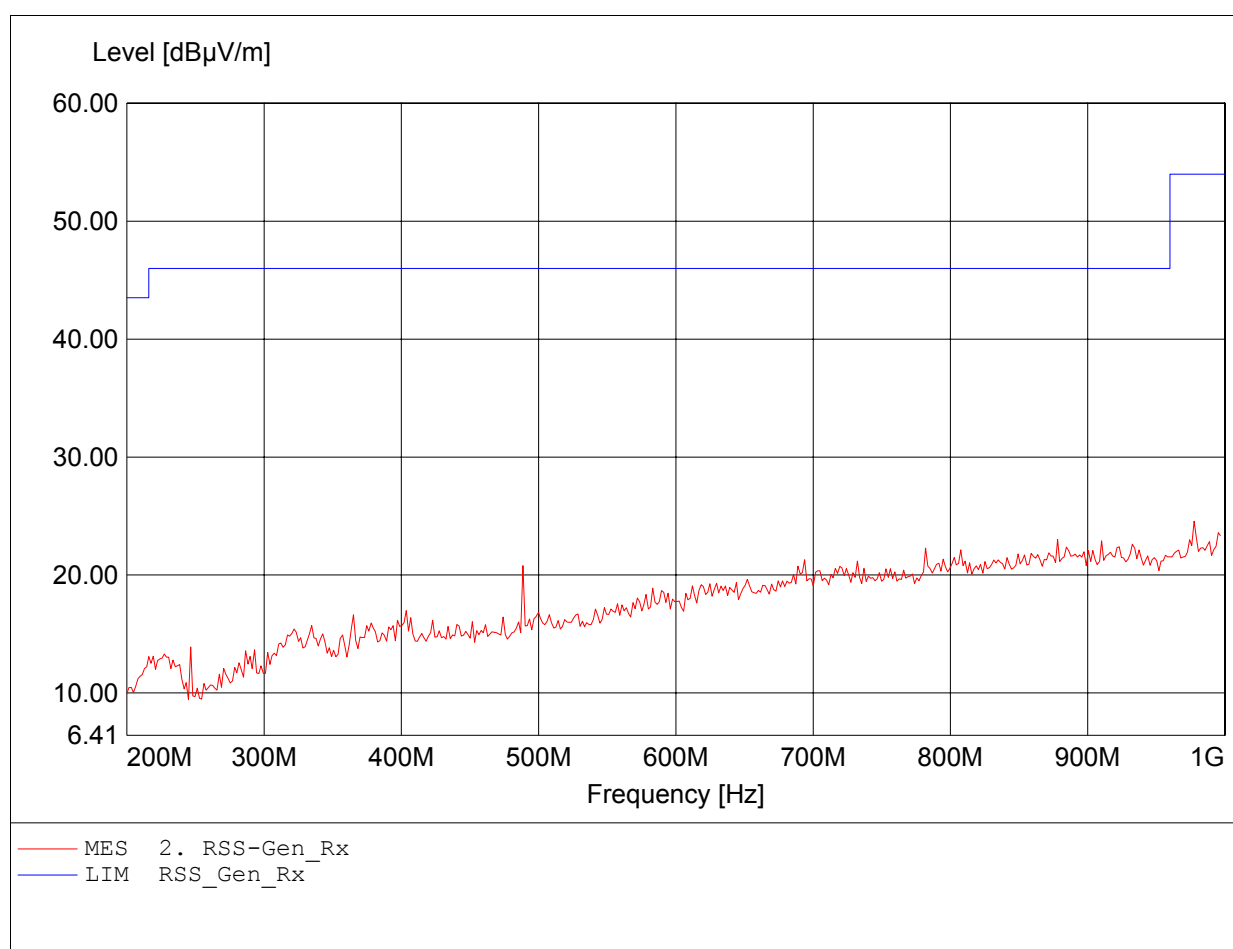
Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:198.297MHz Emax:32.05dBµV/m RBW: 100 kHz



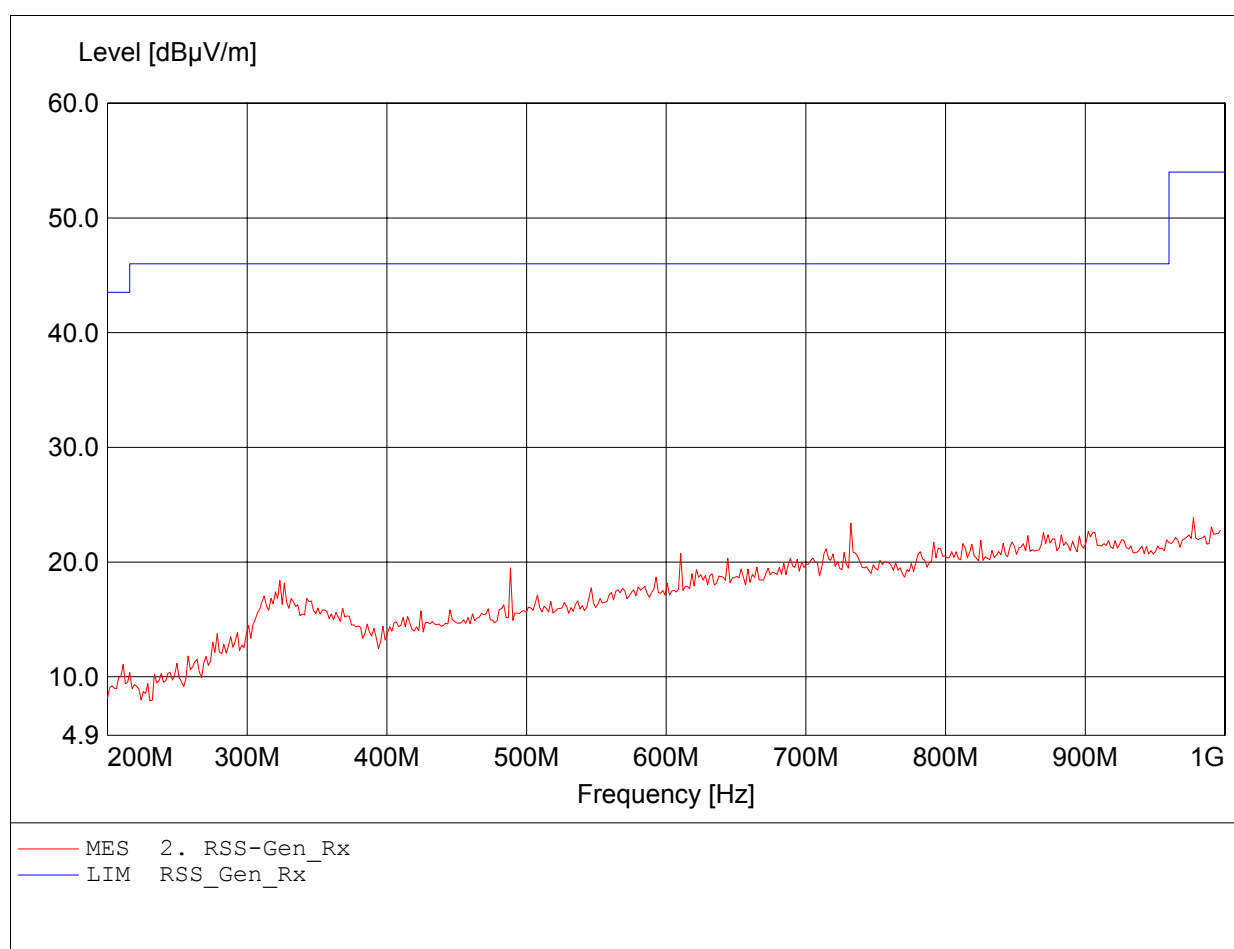
Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:977.555MHz Emax:24.56dBμV/m RBW: 100 kHz



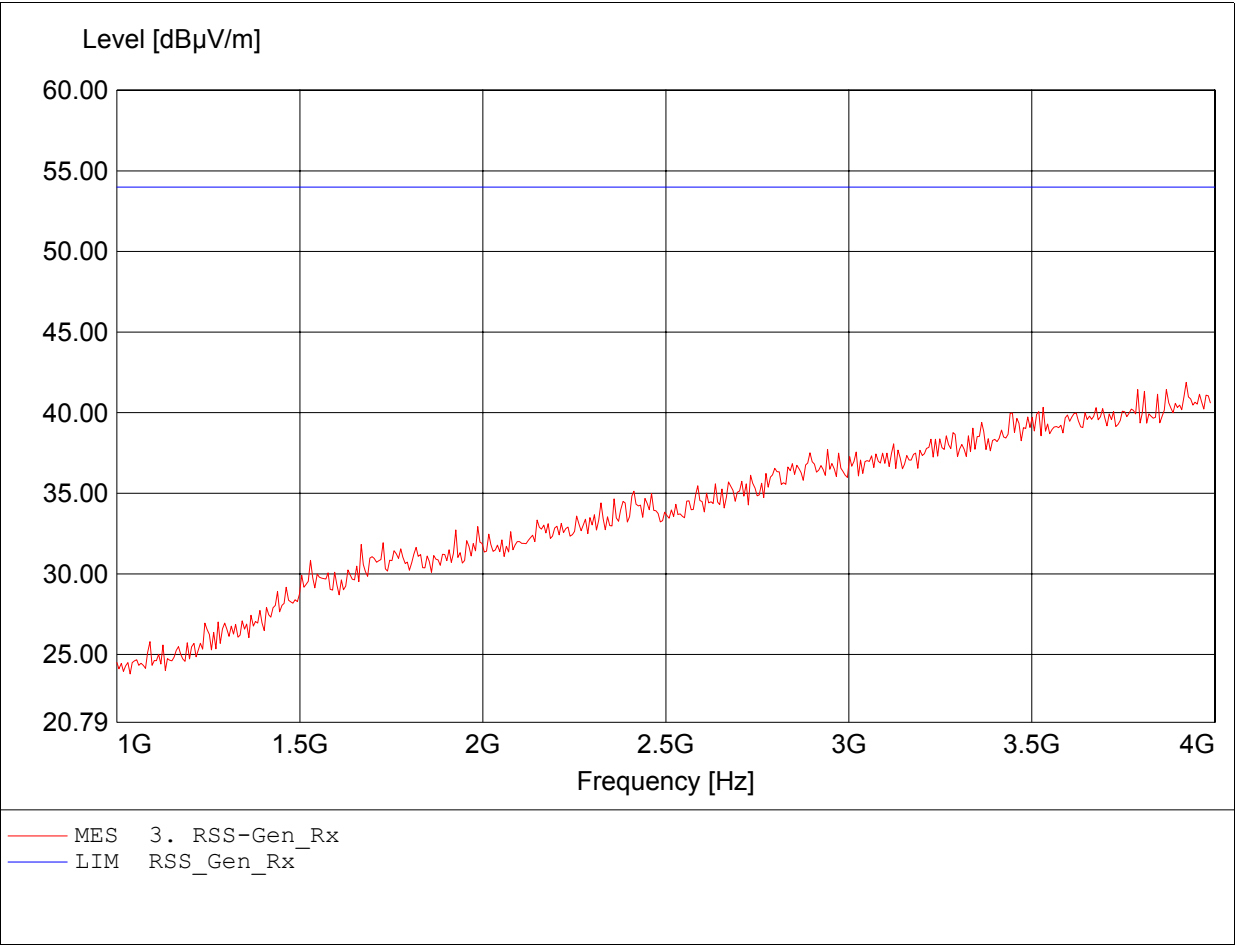
Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:977.555MHz Emax:23.87dBµV/m RBW: 100 kHz



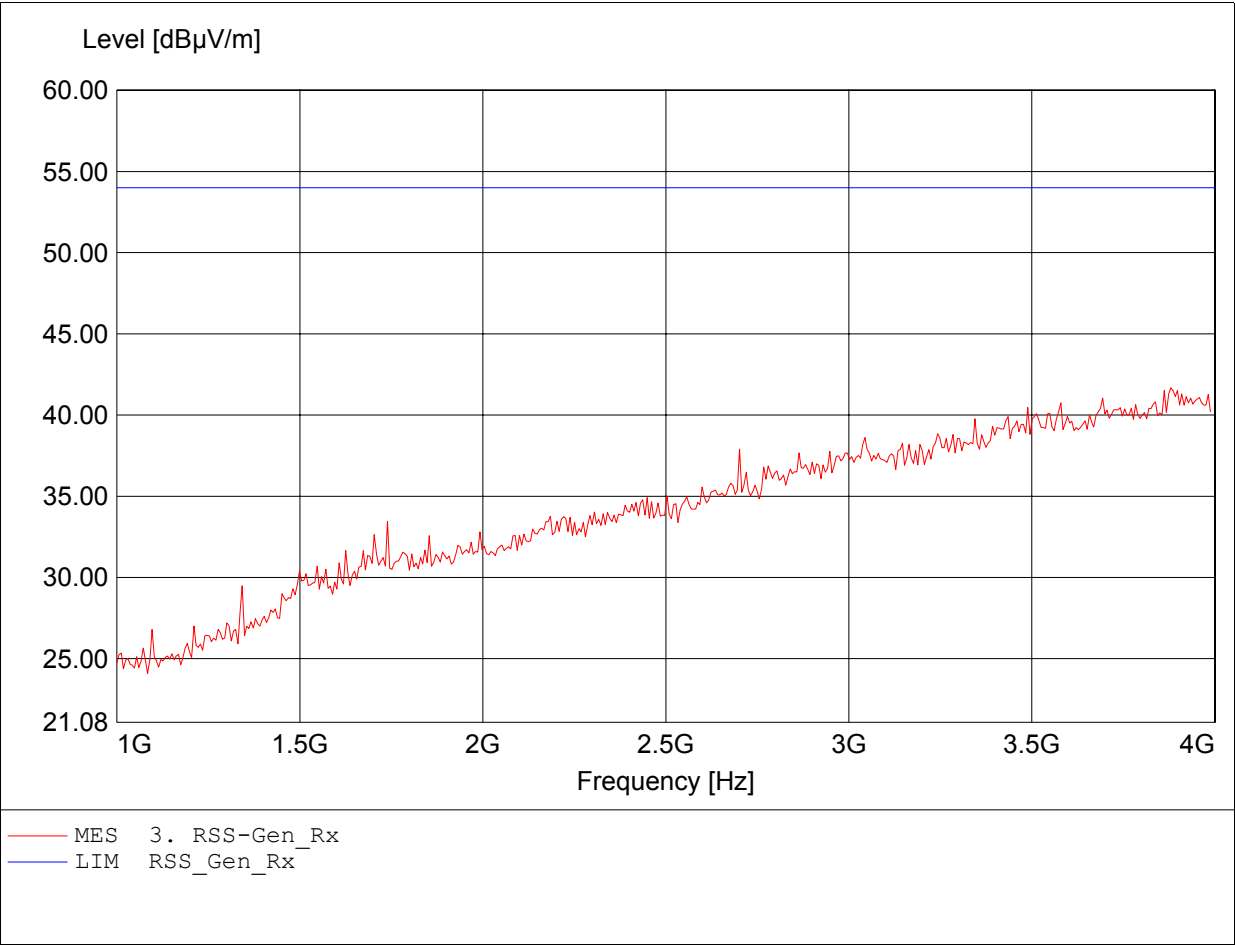
Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.922GHz Emax:41.88dBµV/m RBW: 1 MHz



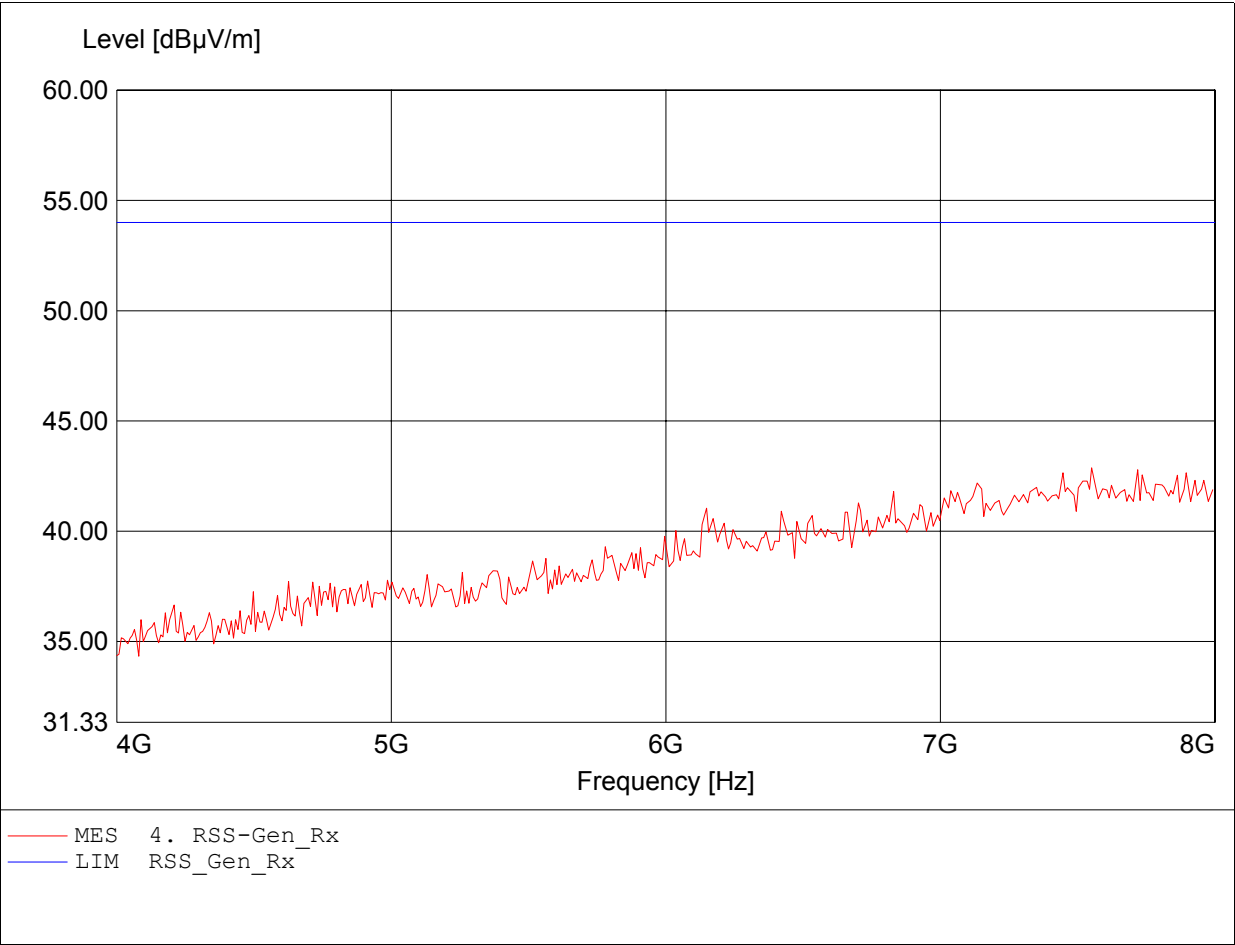
Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.880GHz Emax:41.67dBµV/m RBW: 1 MHz



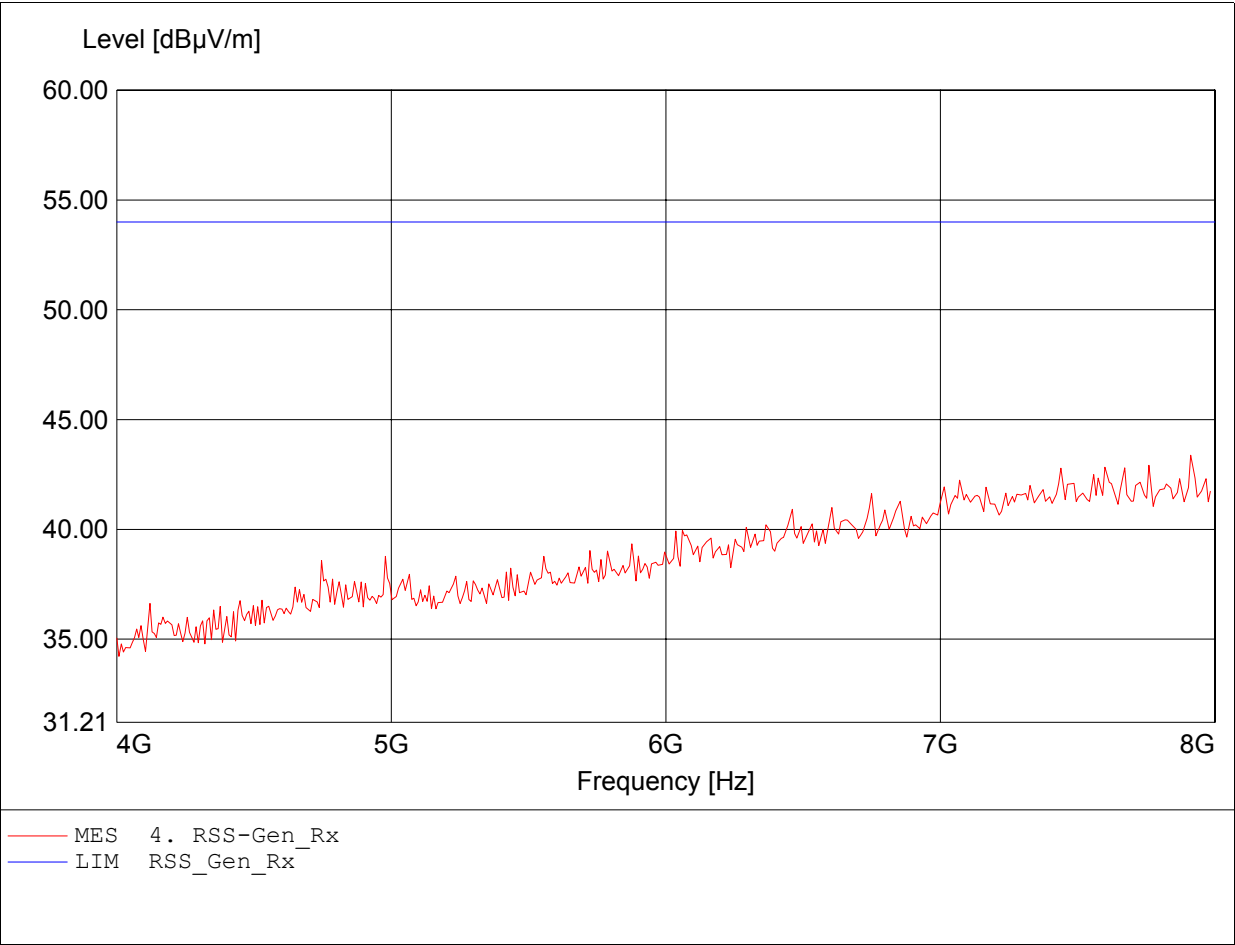
Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.551GHz Emax:42.87dBµV/m RBW: 1 MHz



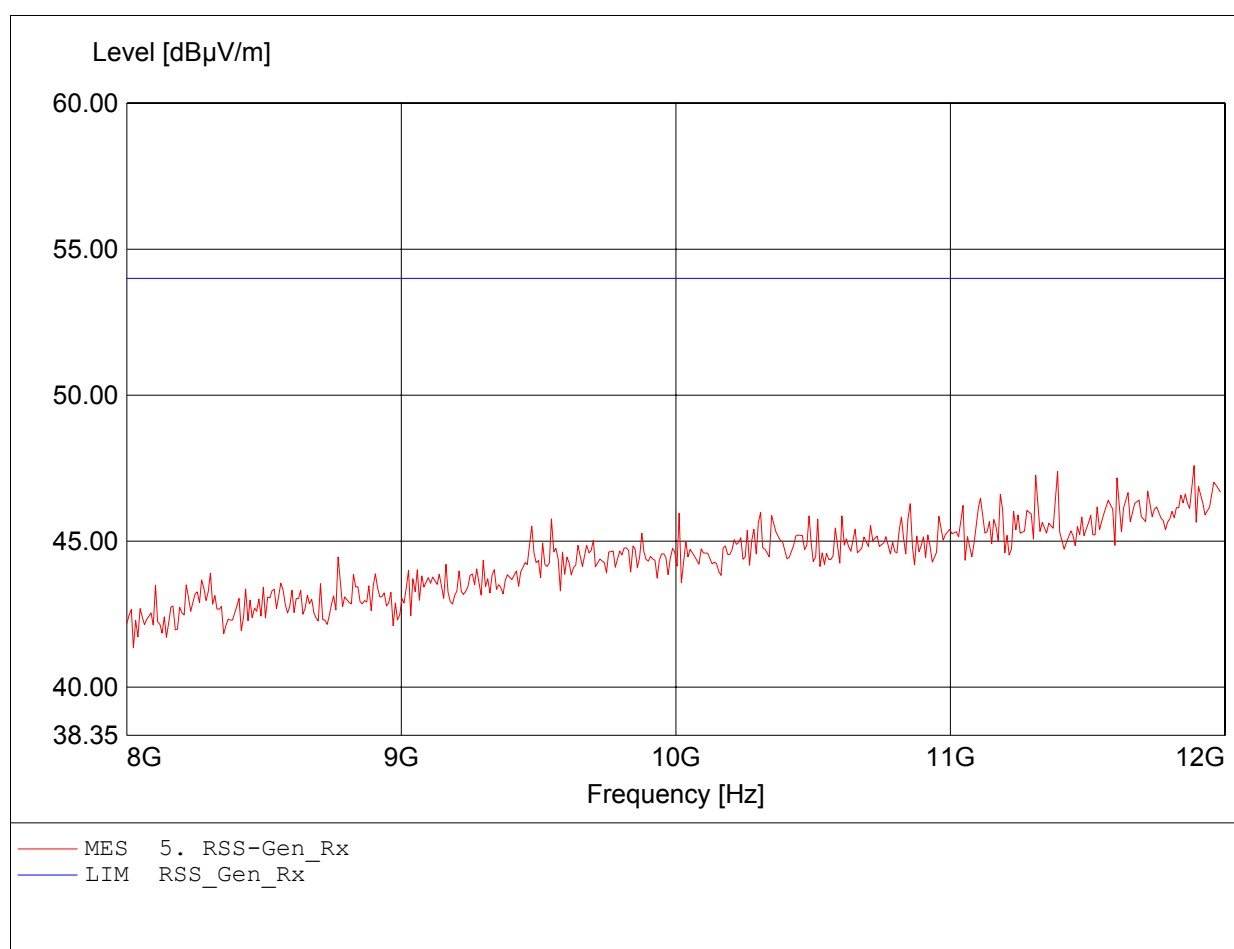
Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.912GHz Emax:43.38dBµV/m RBW: 1 MHz



Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:11.888GHz Emax:47.59dBμV/m RBW: 1 MHz



Field Strength under normal conditions
Standards Industry Canada, RSS-GEN

Approval Holder: NANOTRON TECHNOLOGIES GmbH
EUT: nanoLOC AVR Module
Model: nanoLOC AVR
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Schlaps
Test Conditions: Tnom.: 23°C / Unom.: 2.50 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:11.904GHz Emax:48.12dBμV/m RBW: 1 MHz

