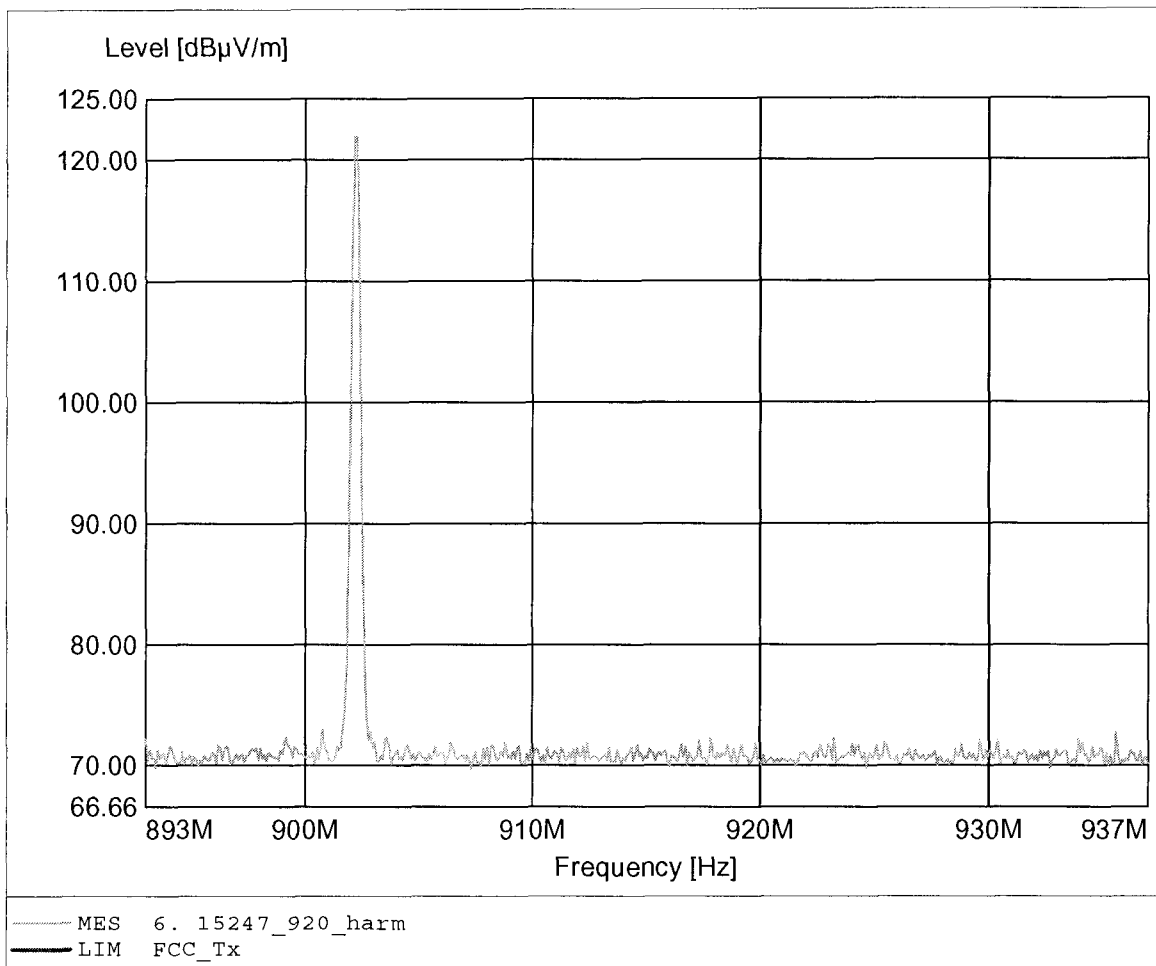


Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

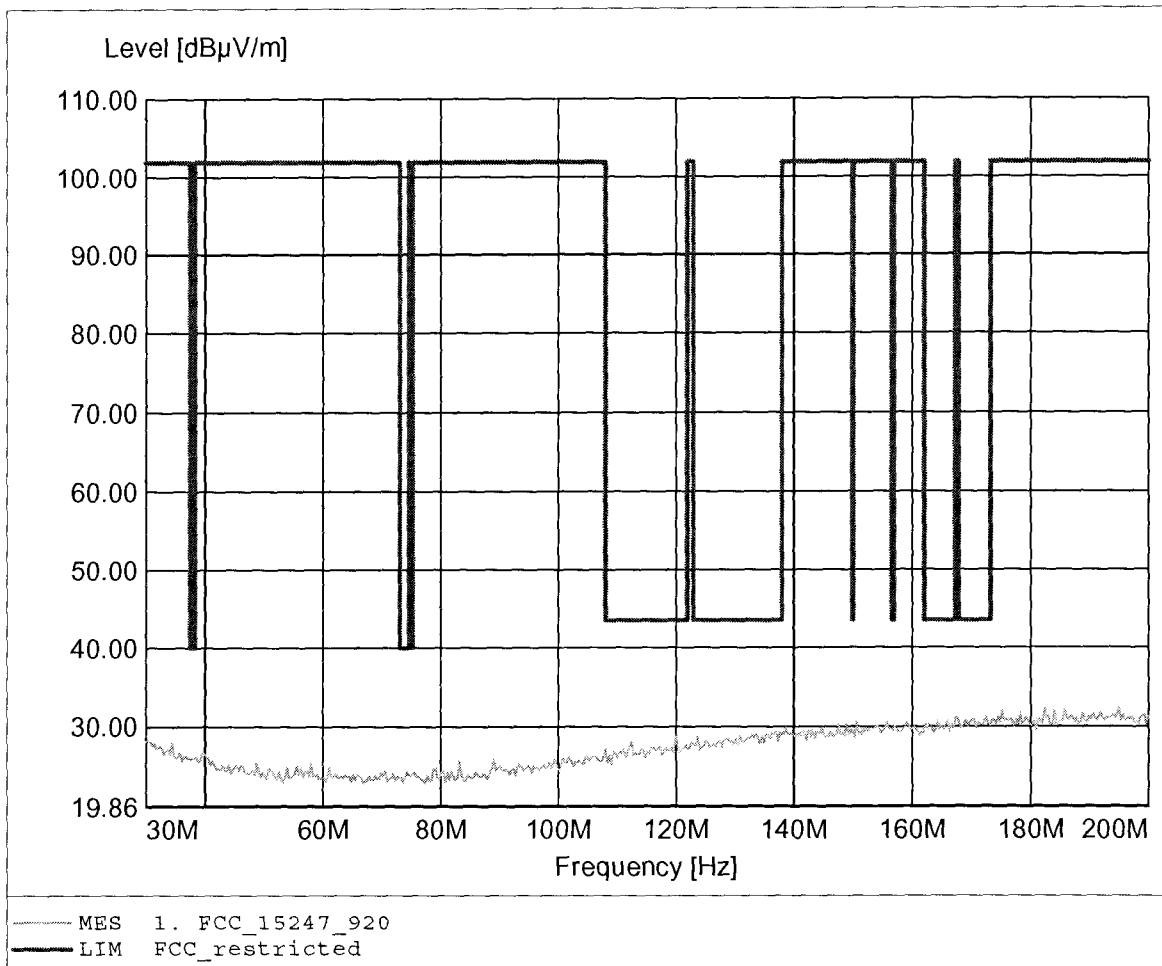
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 902.170MHz, Emax: 121.93dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

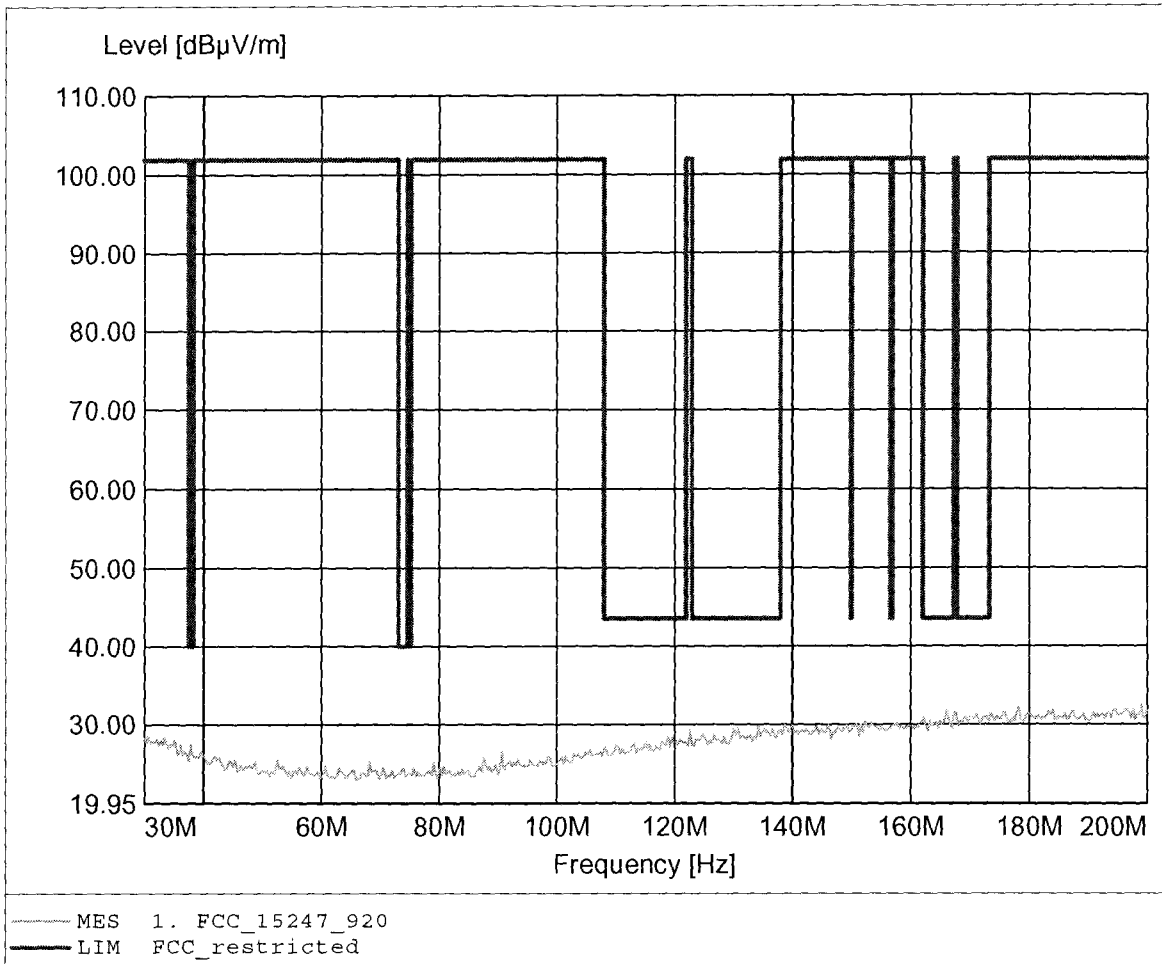
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 194.890MHz, Emax: 32.43dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

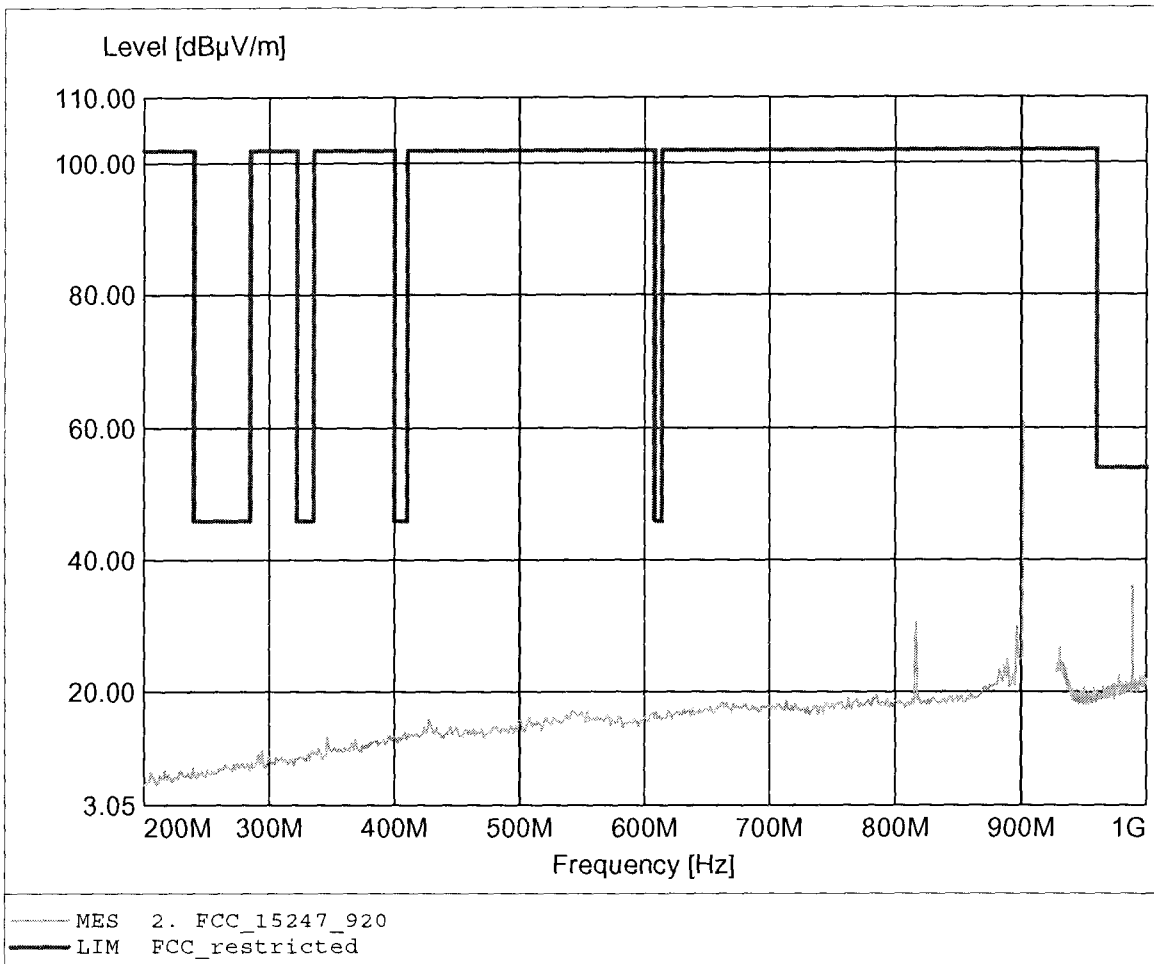
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Emax: 32.40dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

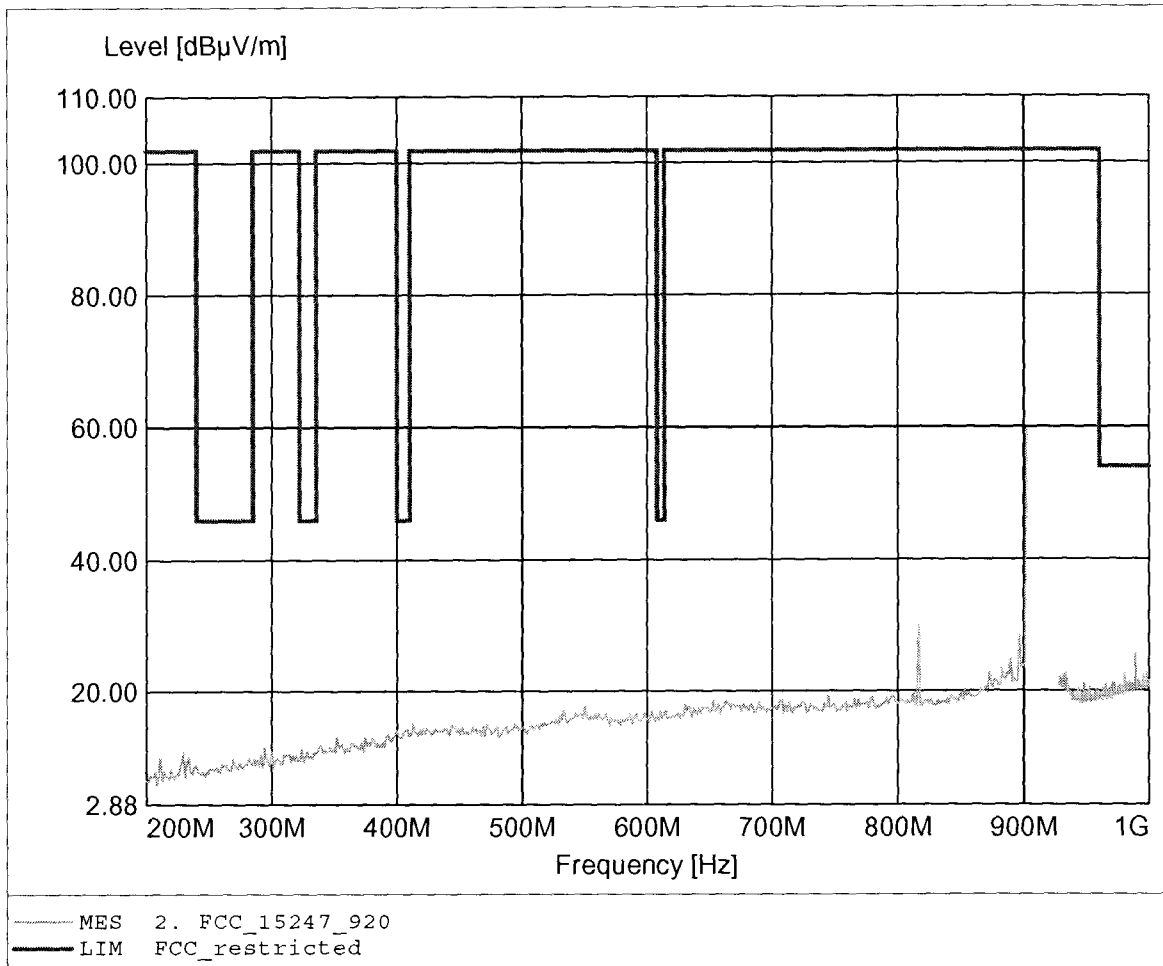
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 902.000MHz, Emax: 60.84dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

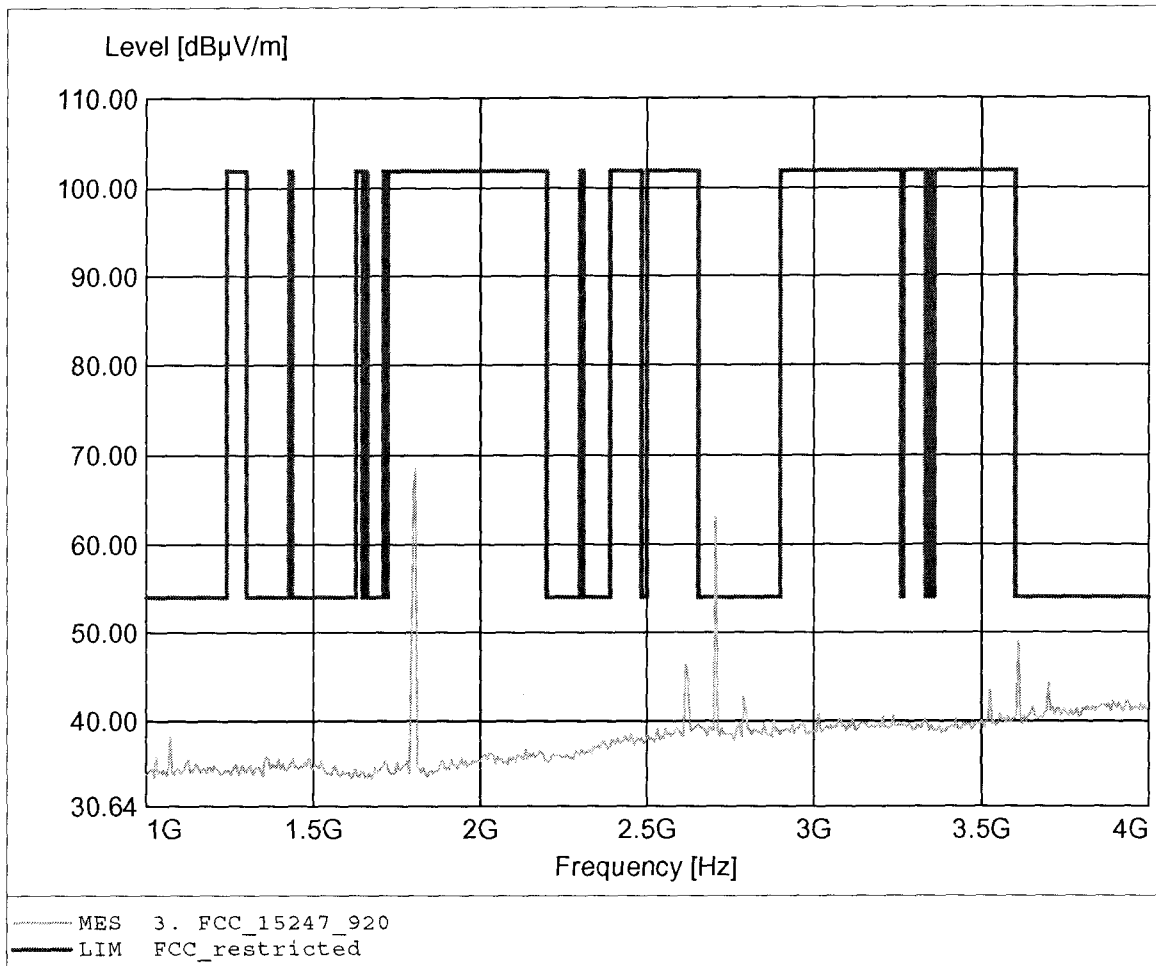
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 902.000MHz, Emax: 59.59dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

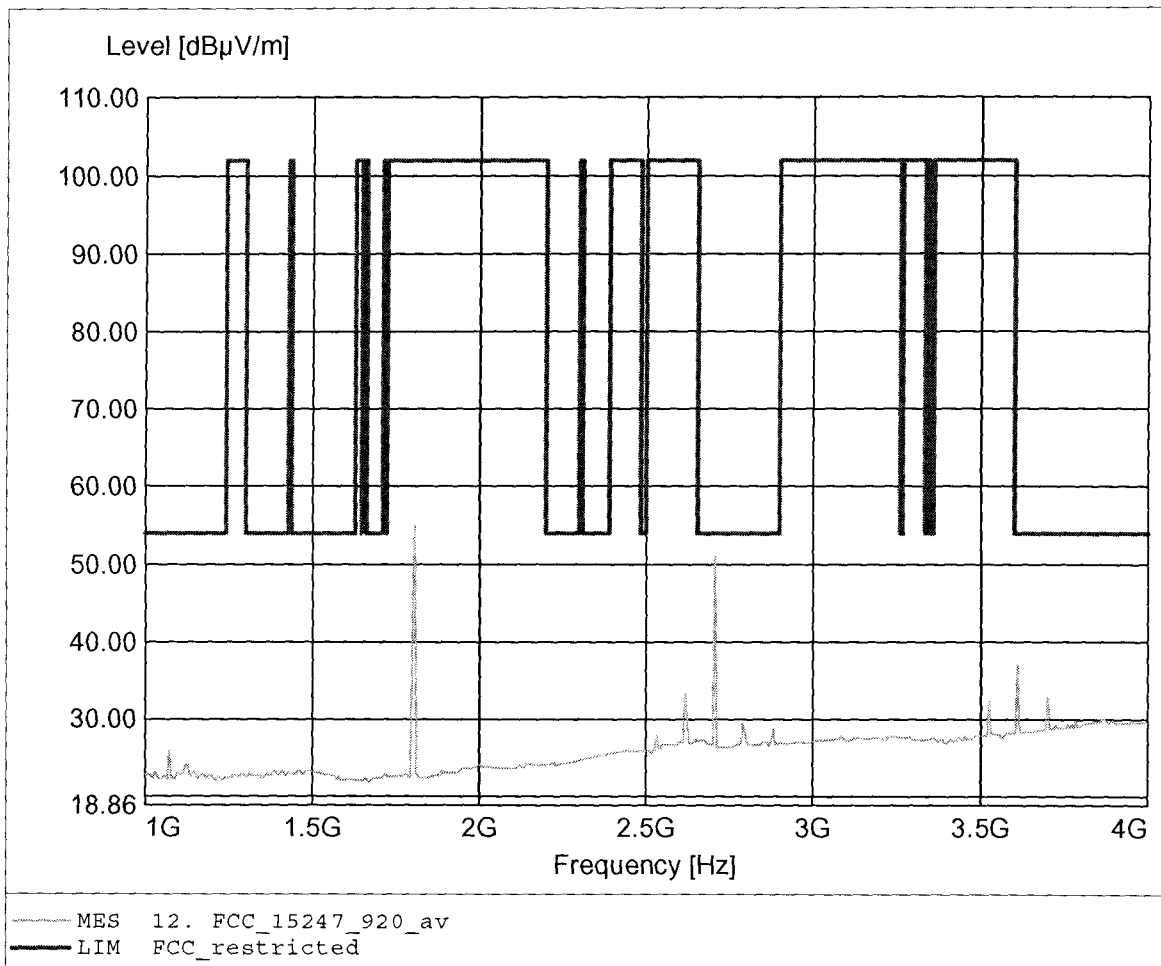
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.806GHz, Emax: 68.53dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

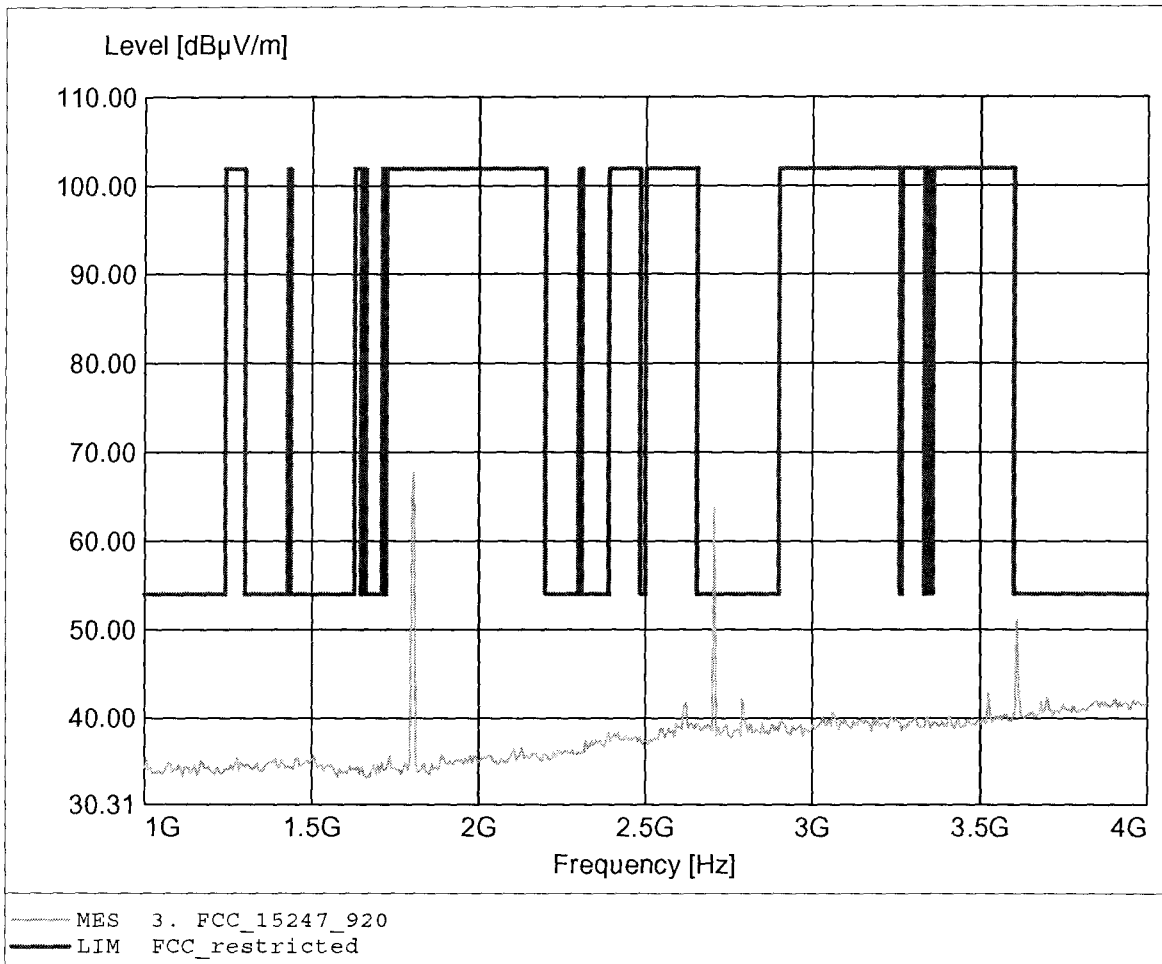
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.806GHz, Emax: 54.95dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

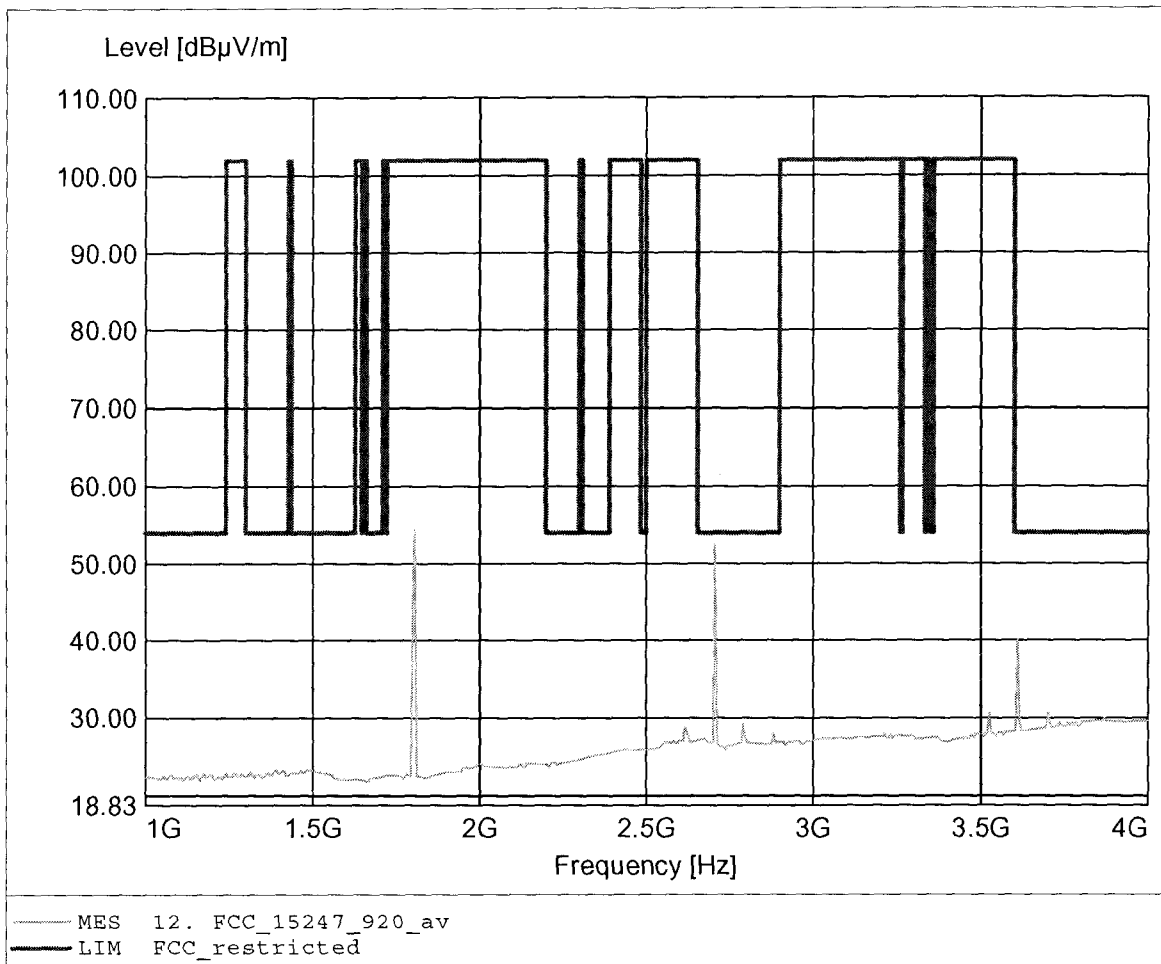
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.806GHz, Emax: 67.70dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

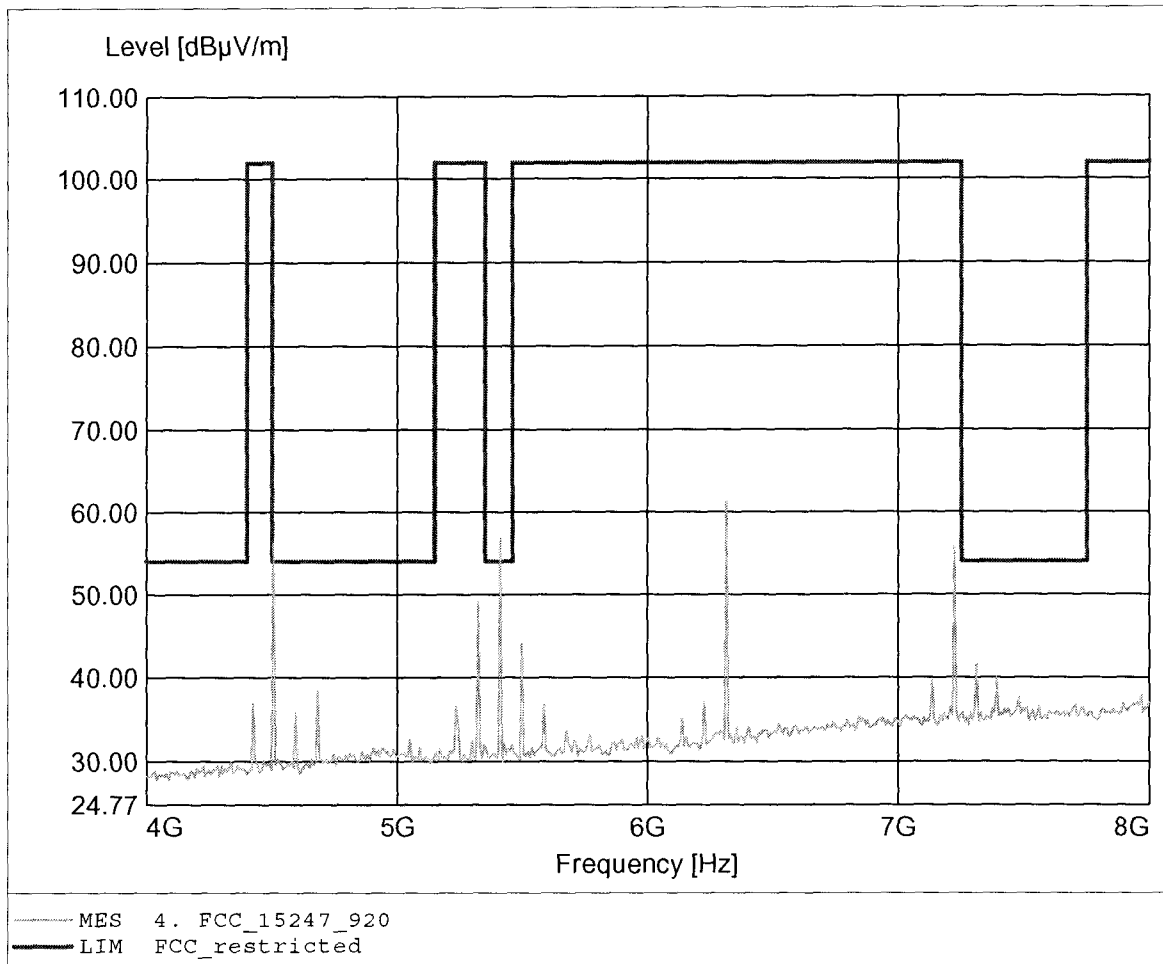
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.806GHz, Emax: 54.49dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

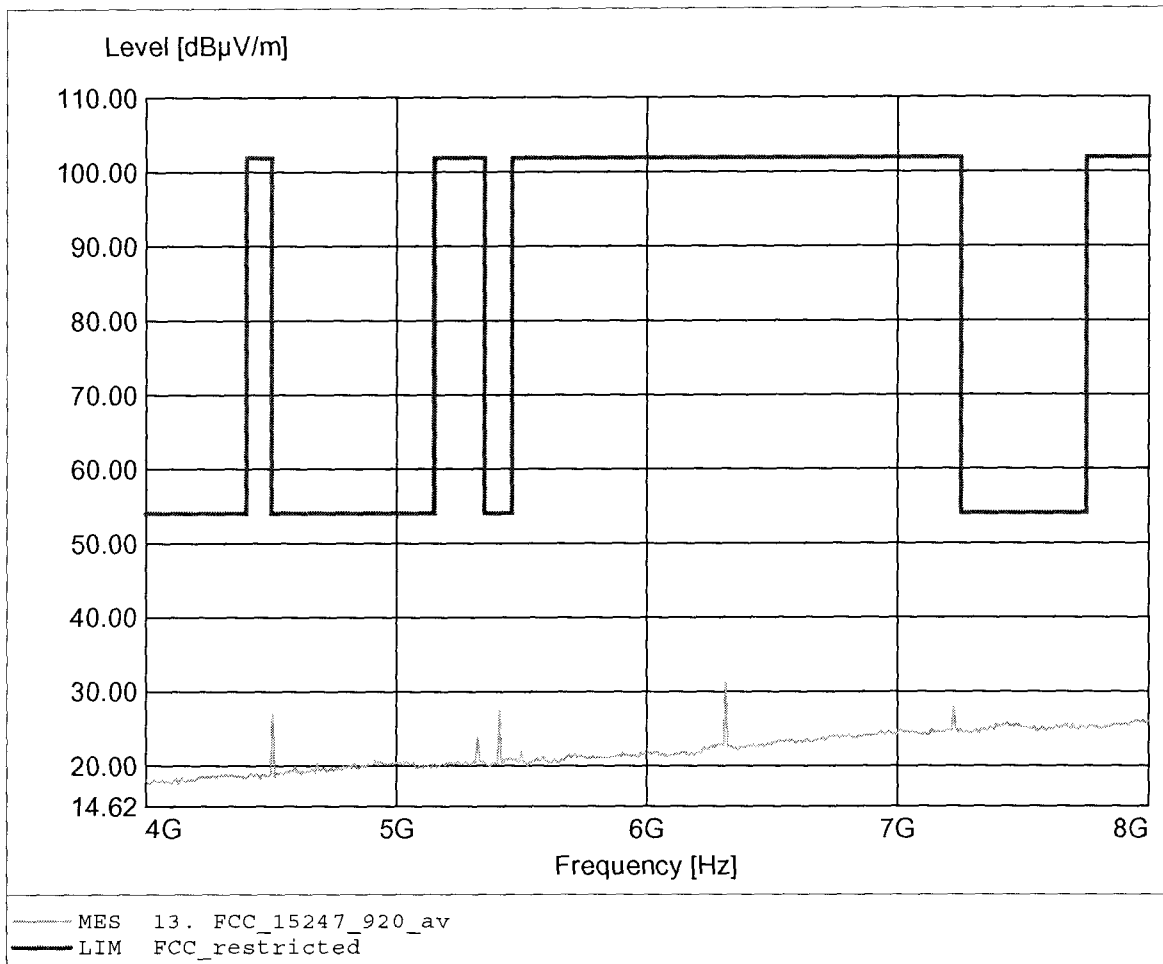
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.317GHz, Emax: 61.23dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

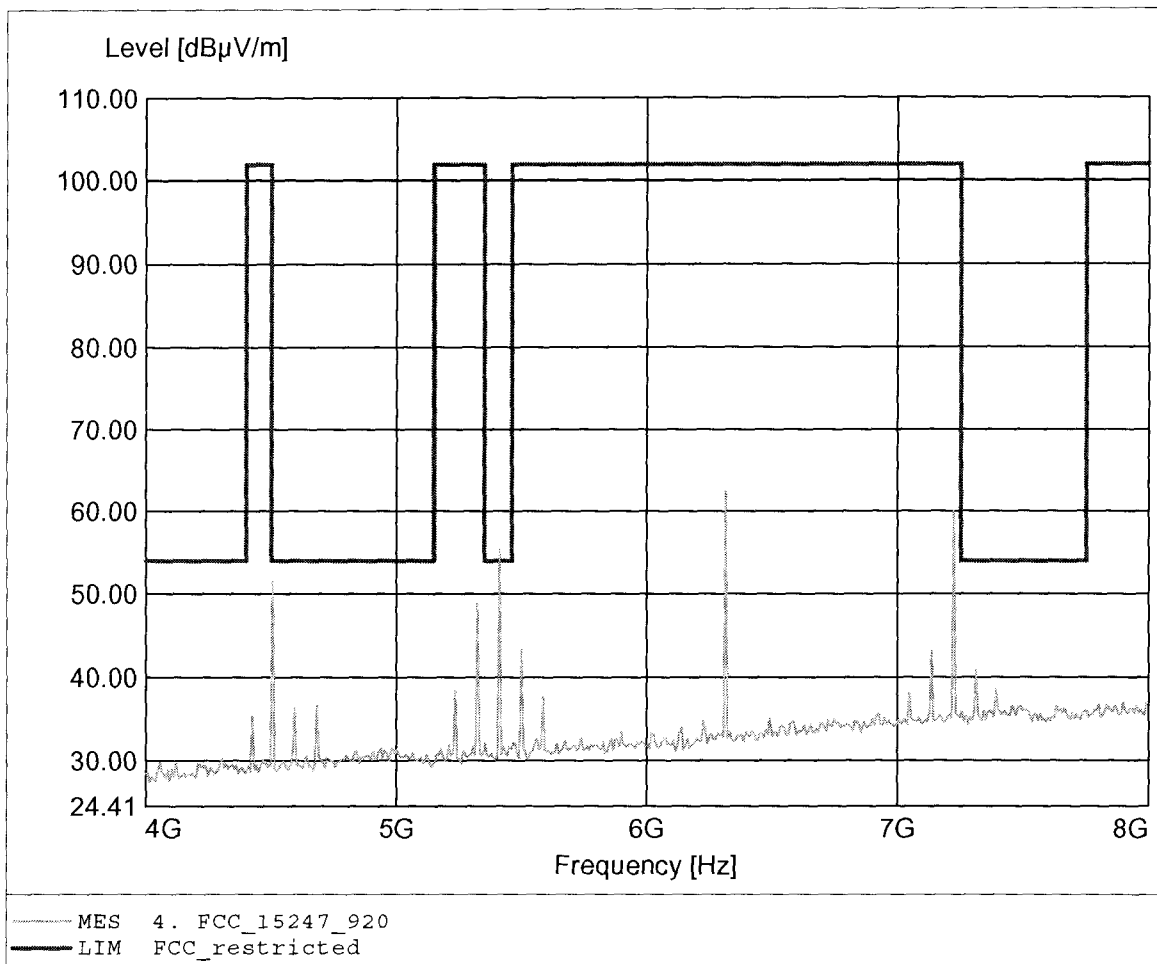
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.317GHz, Emax: 31.14dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

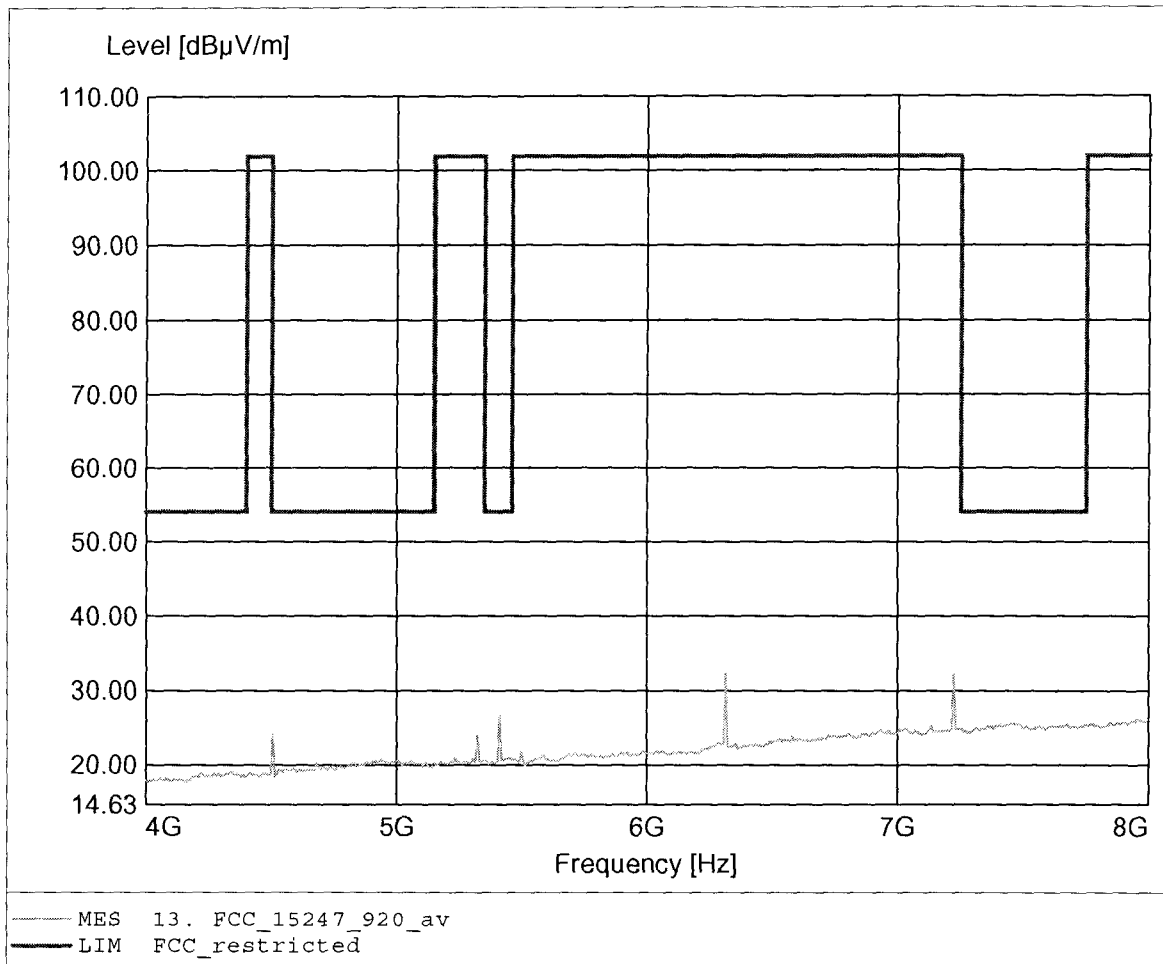
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.317GHz, Emax: 62.39dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

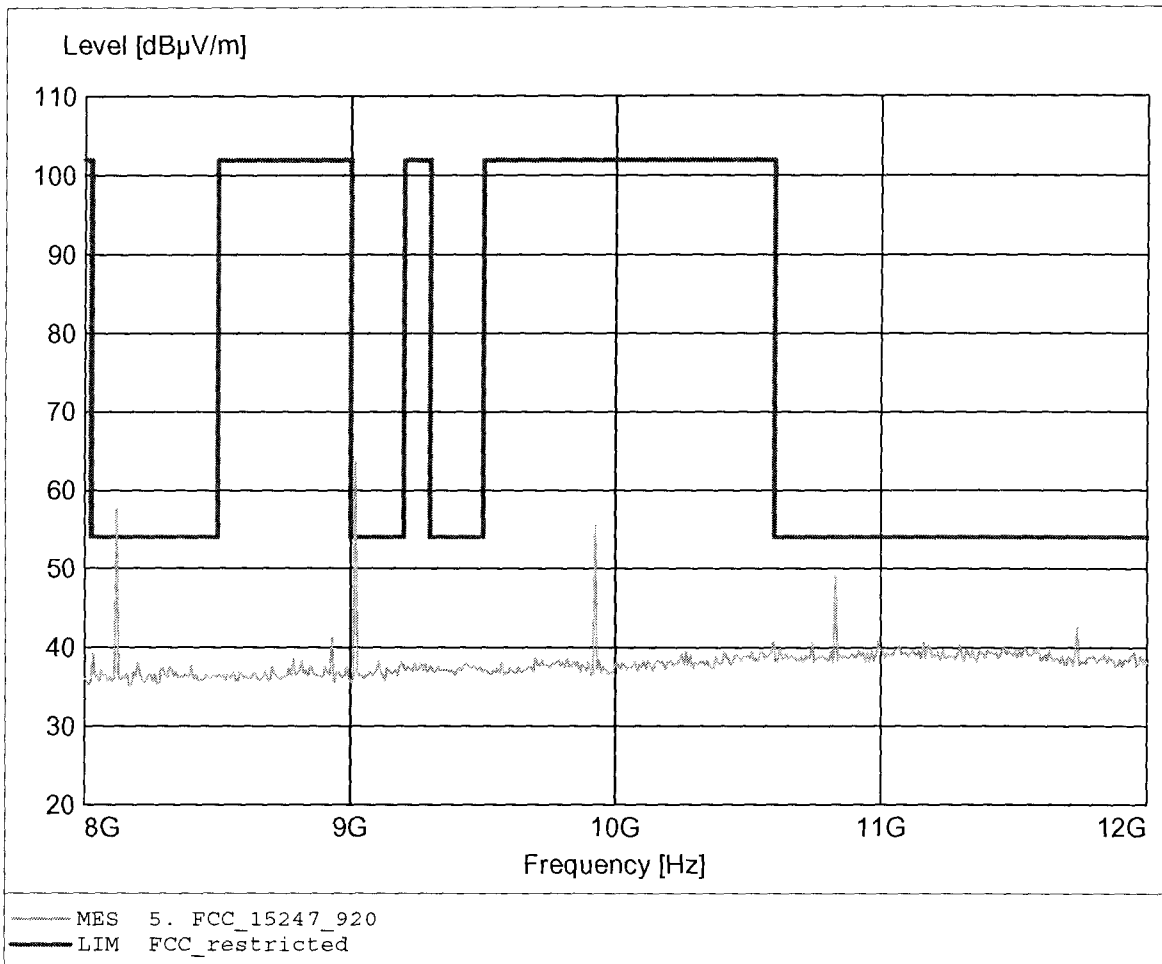
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.317GHz, Emax: 32.34dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

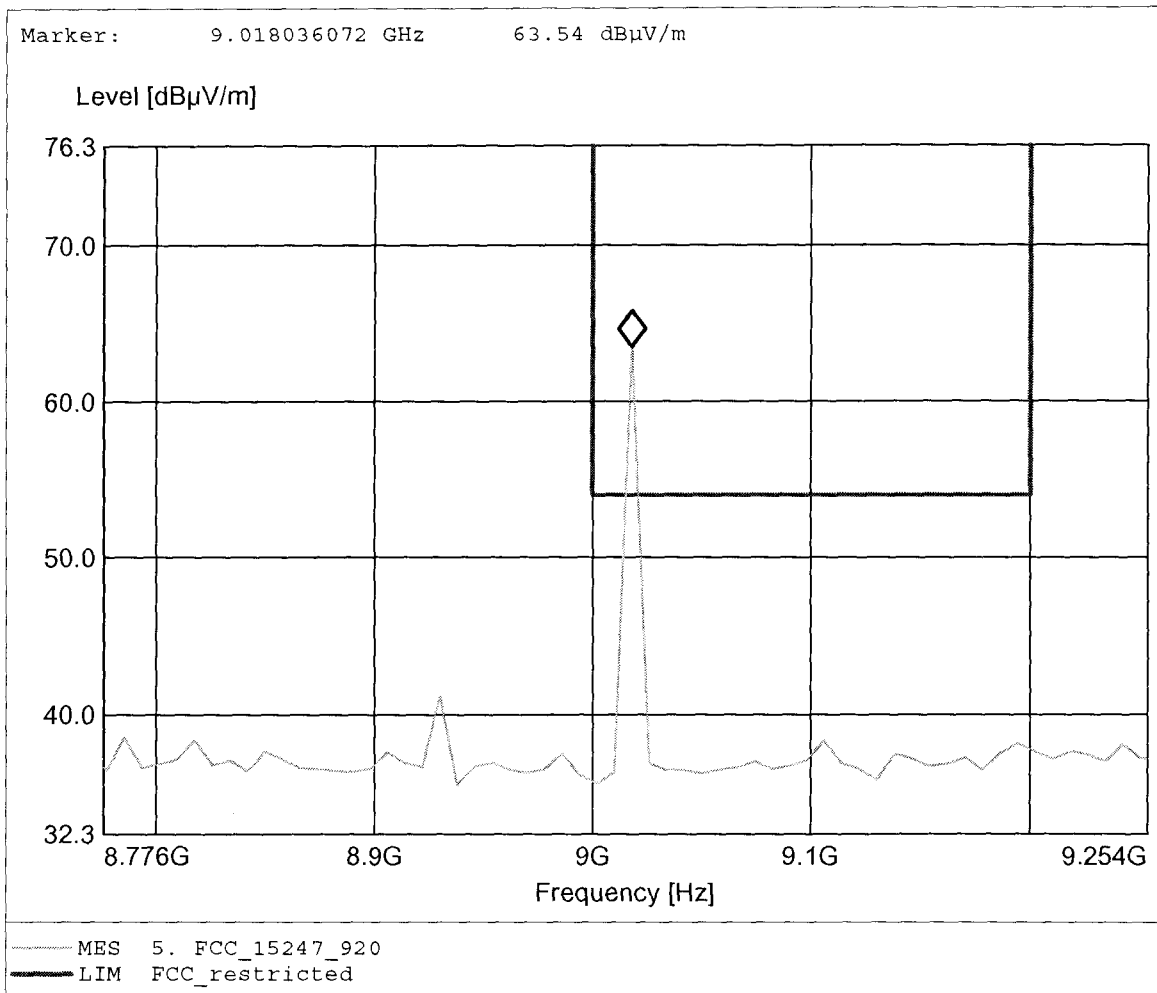
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.018GHz, Emax: 63.54dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

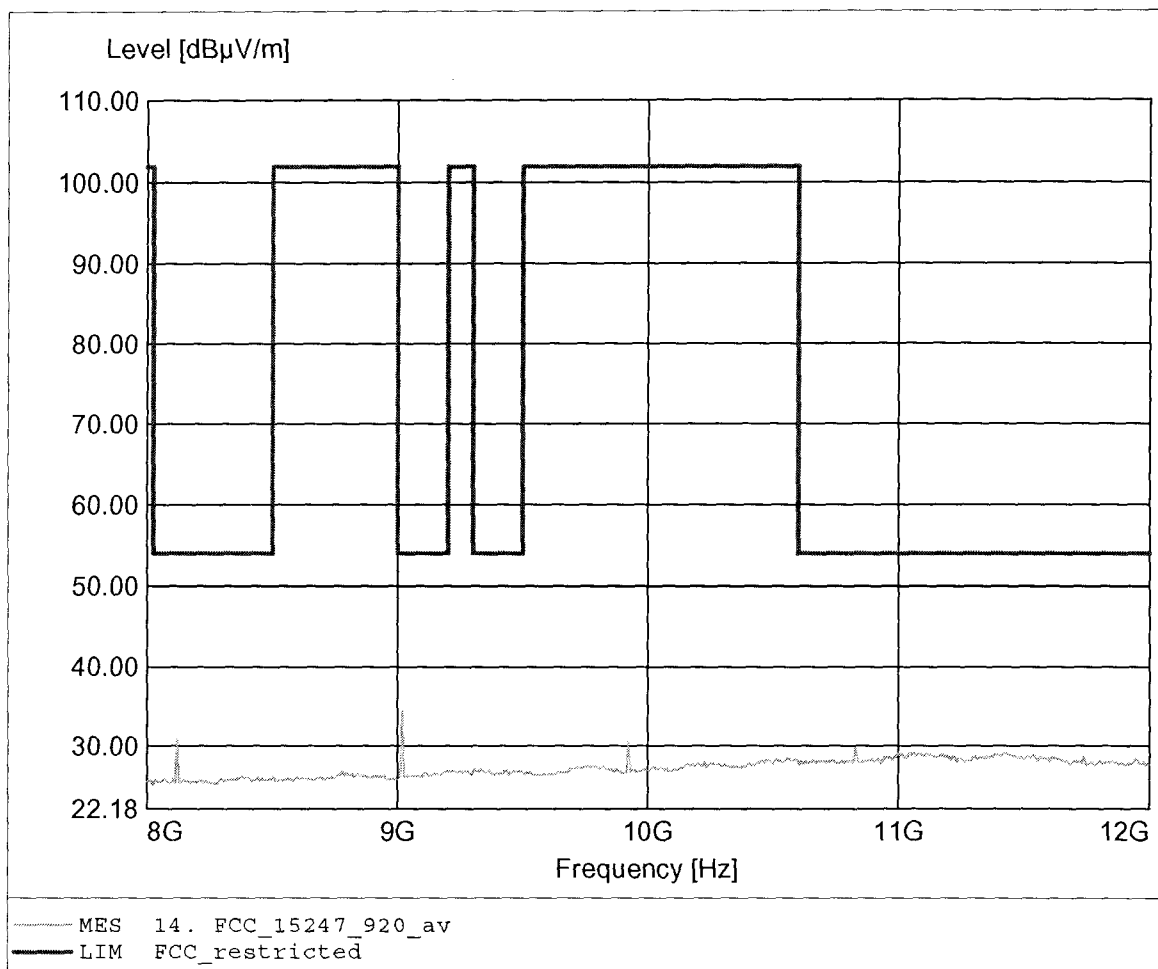
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.018GHz, Emax: 63.54dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

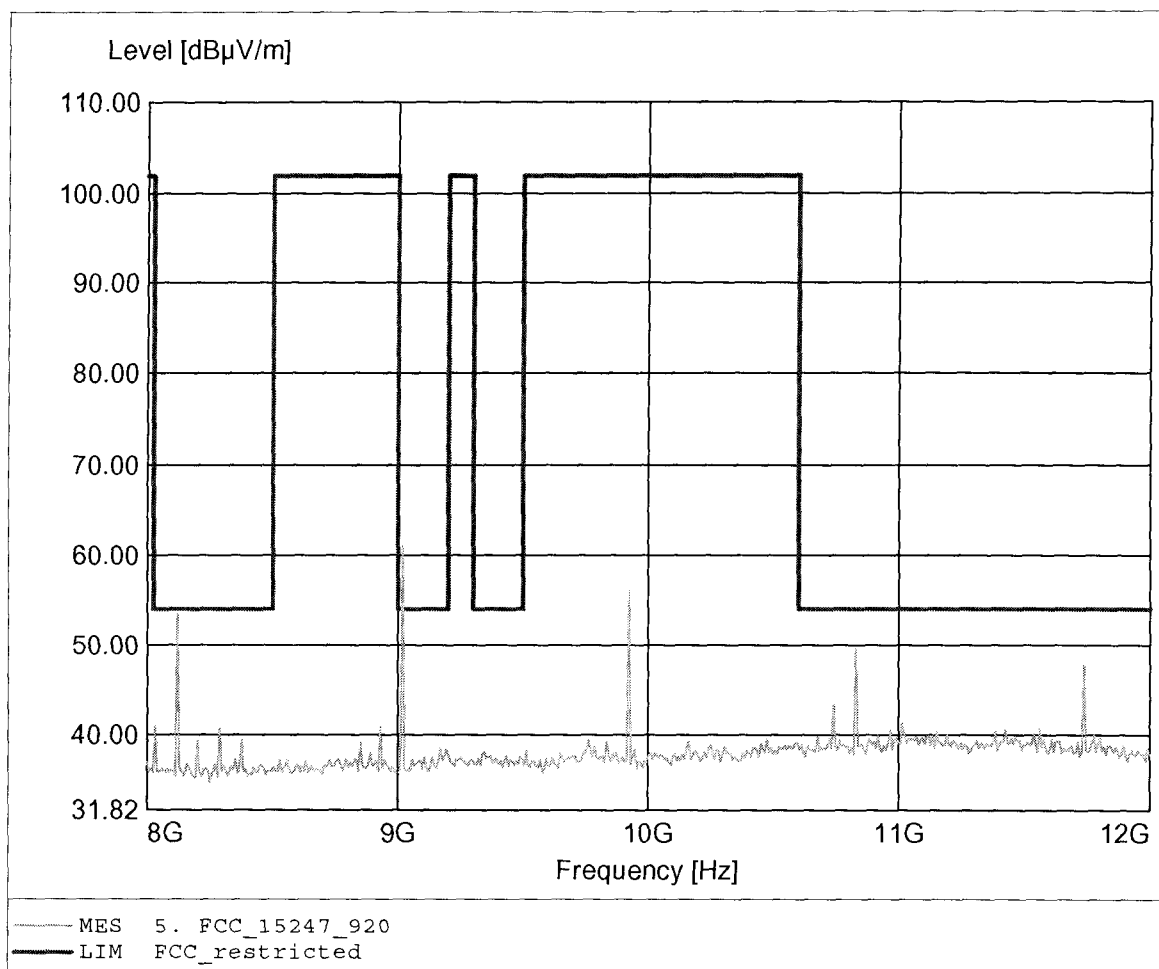
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.018GHz, Emax: 34.30dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

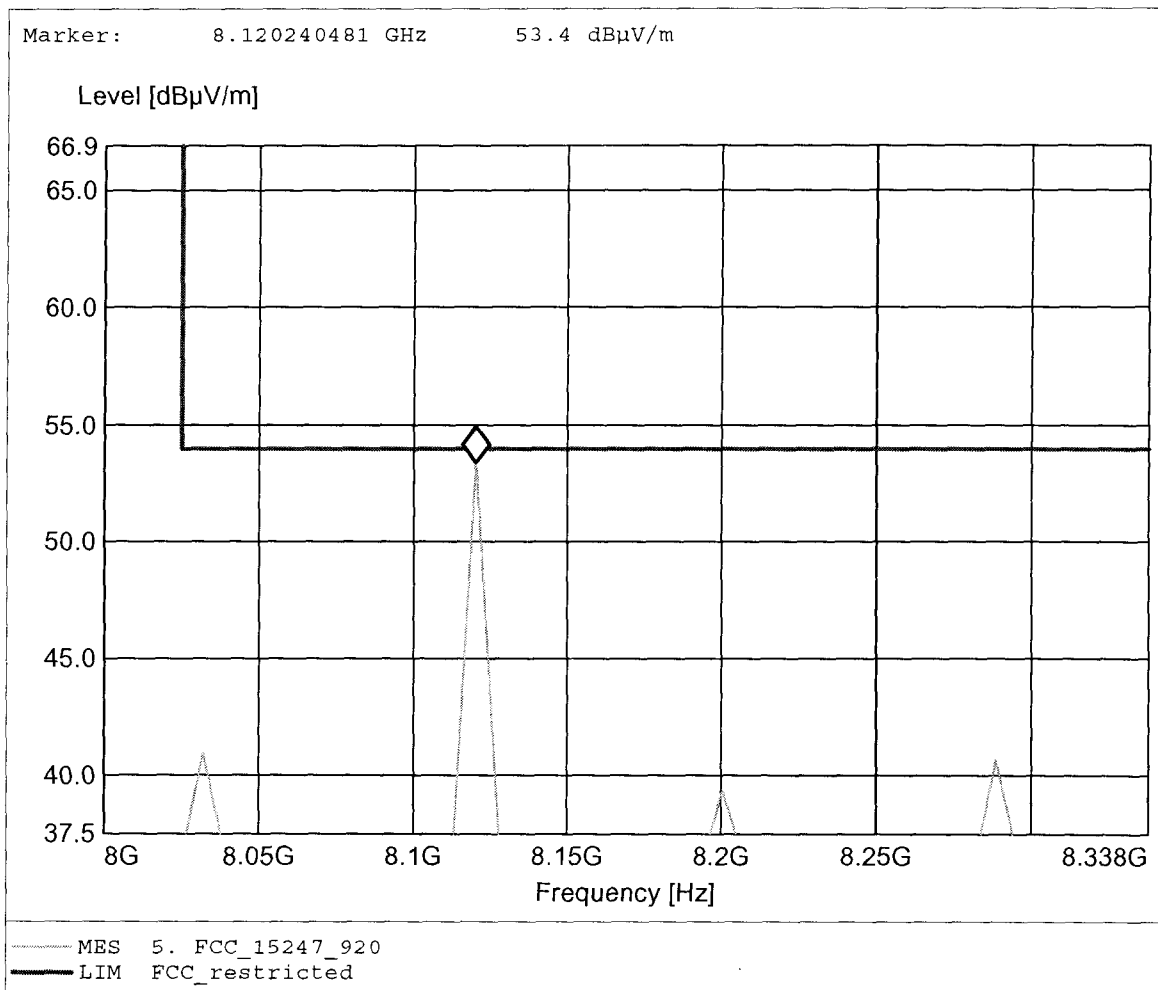
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.018GHz, Emax: 61.04dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

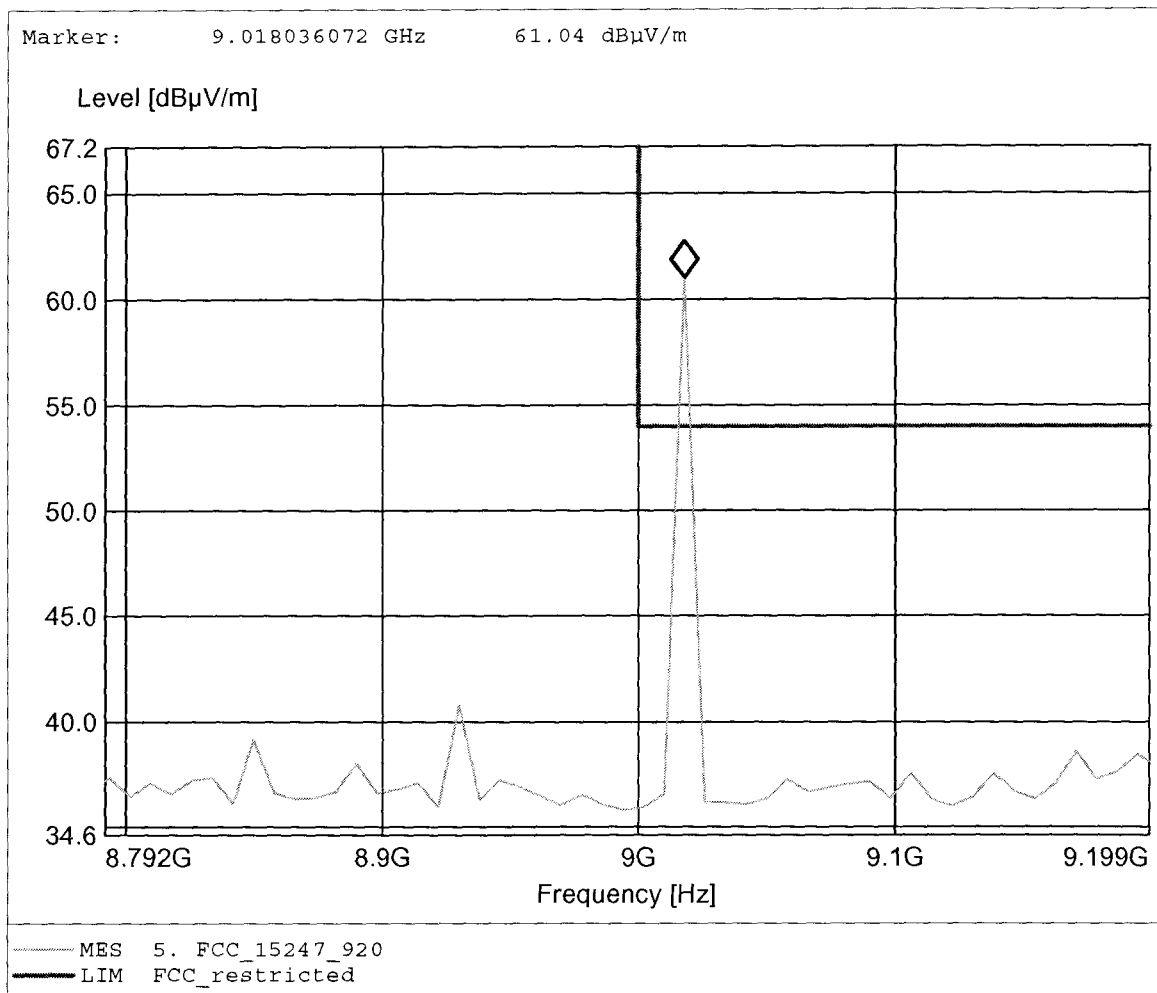
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.018GHz, Emax: 61.04dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

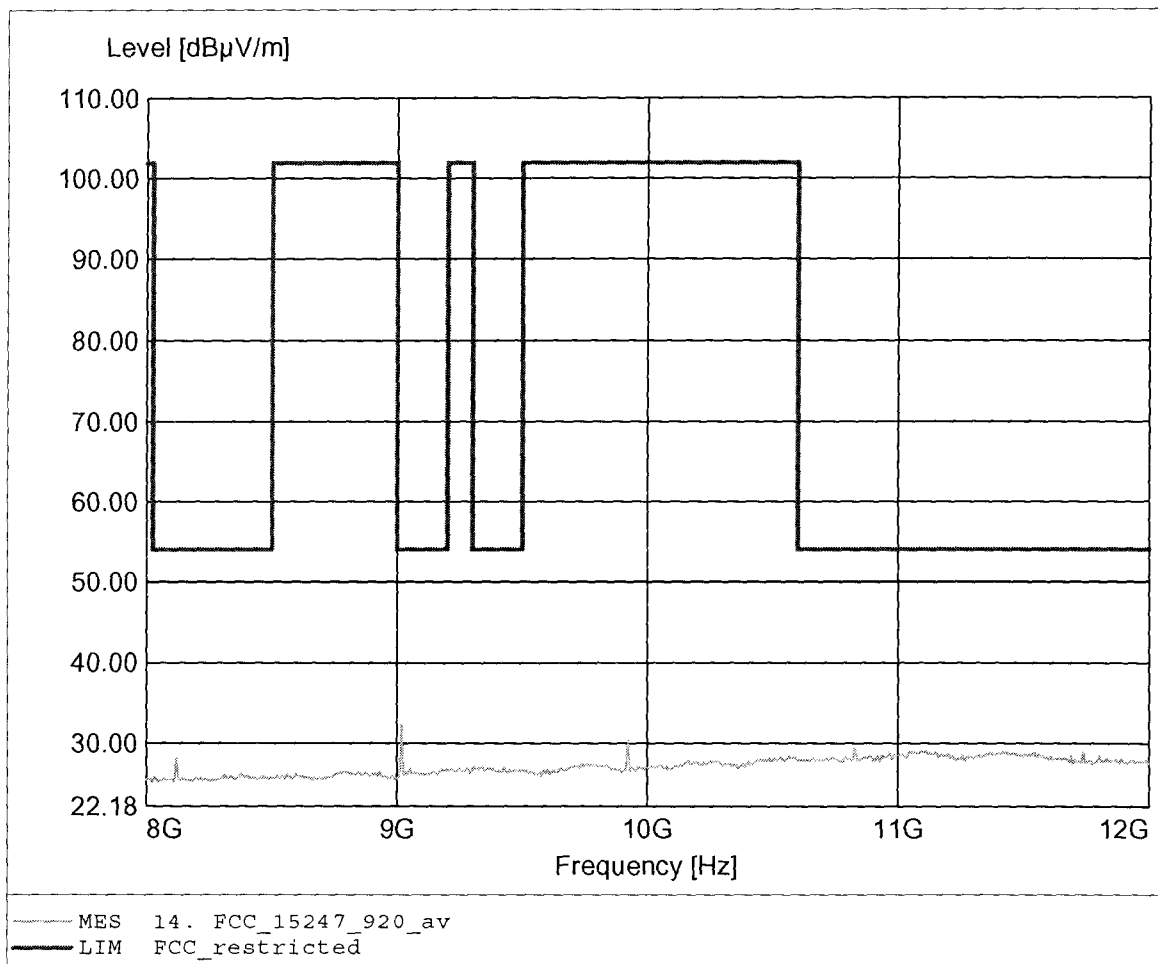
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.018GHz, Emax: 61.04dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

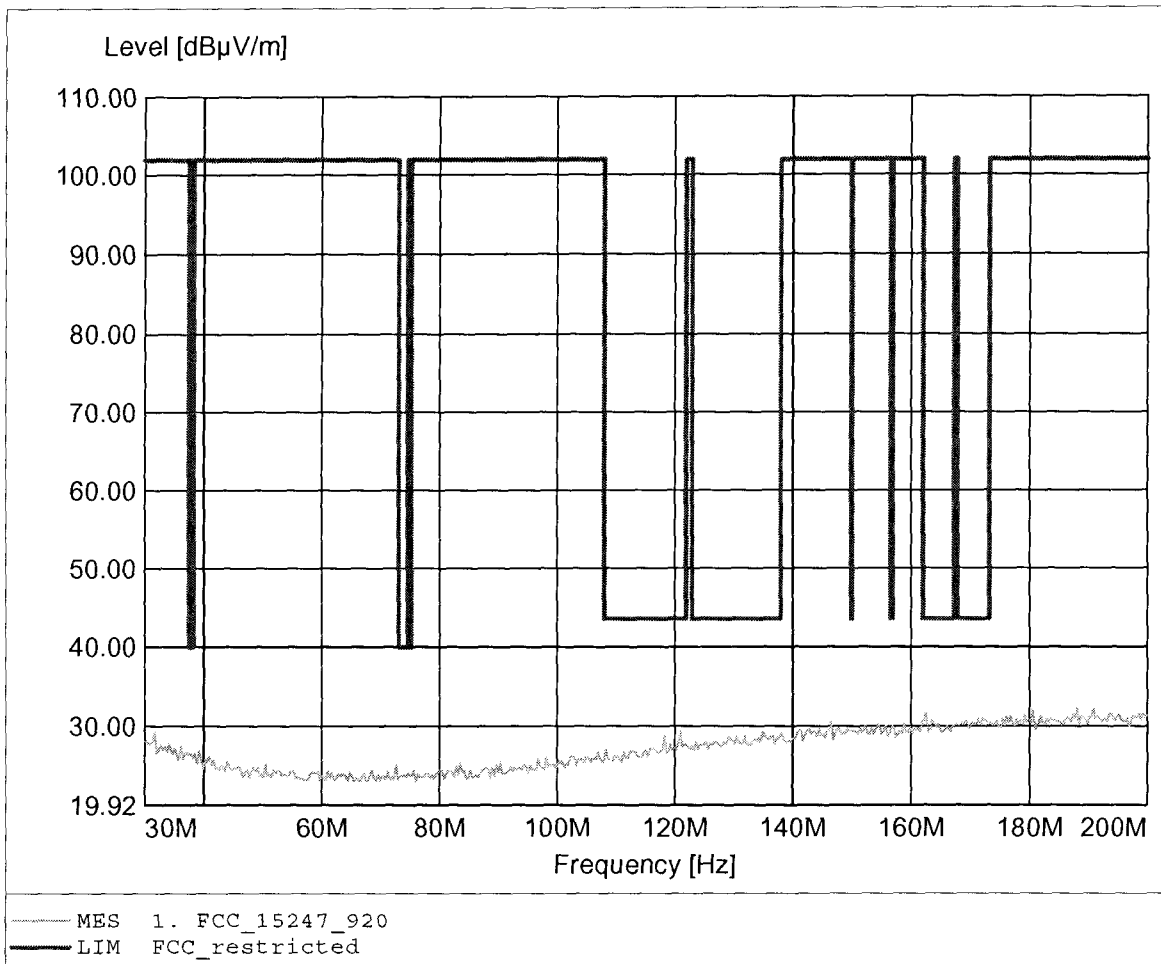
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.018GHz, Emax: 32.28dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

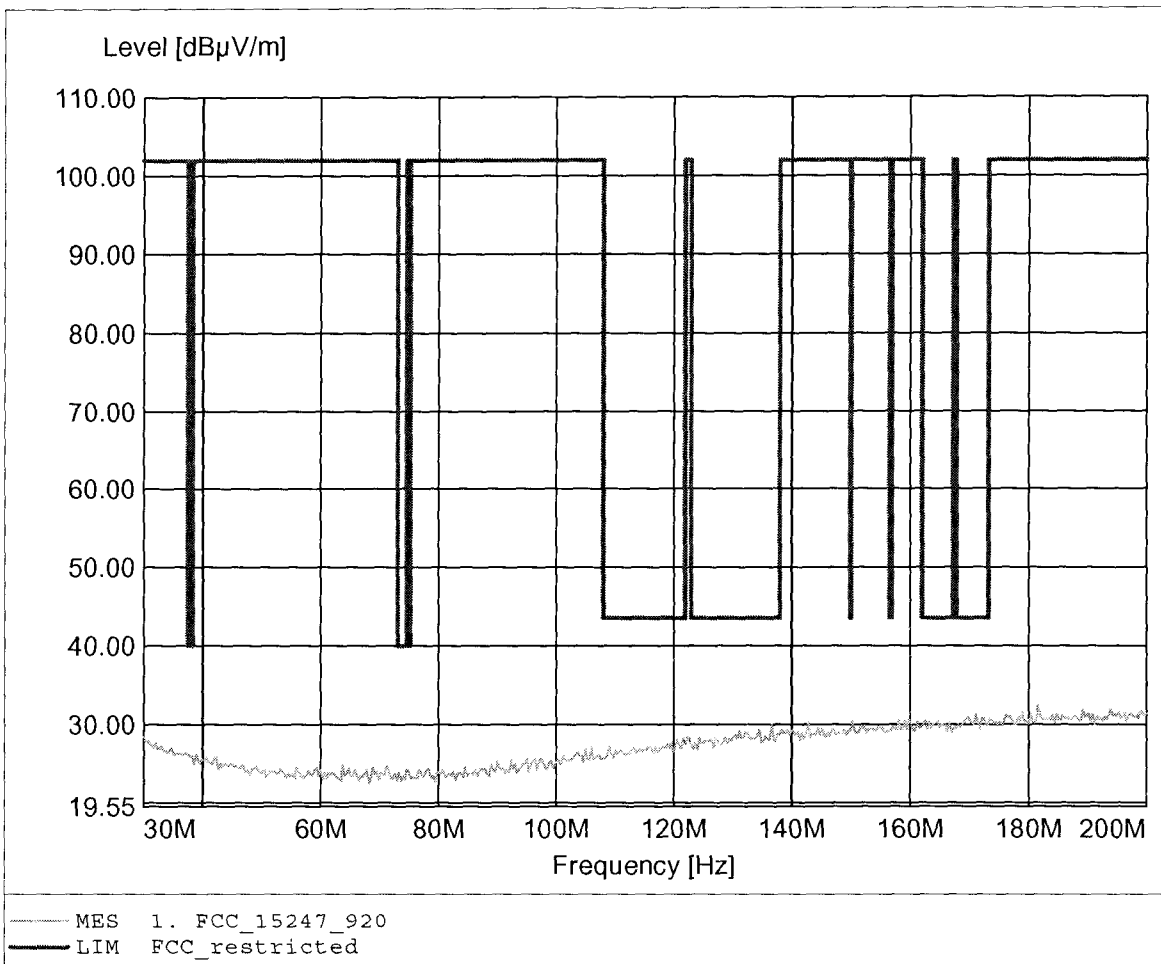
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 188.076MHz, Emax: 32.27dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

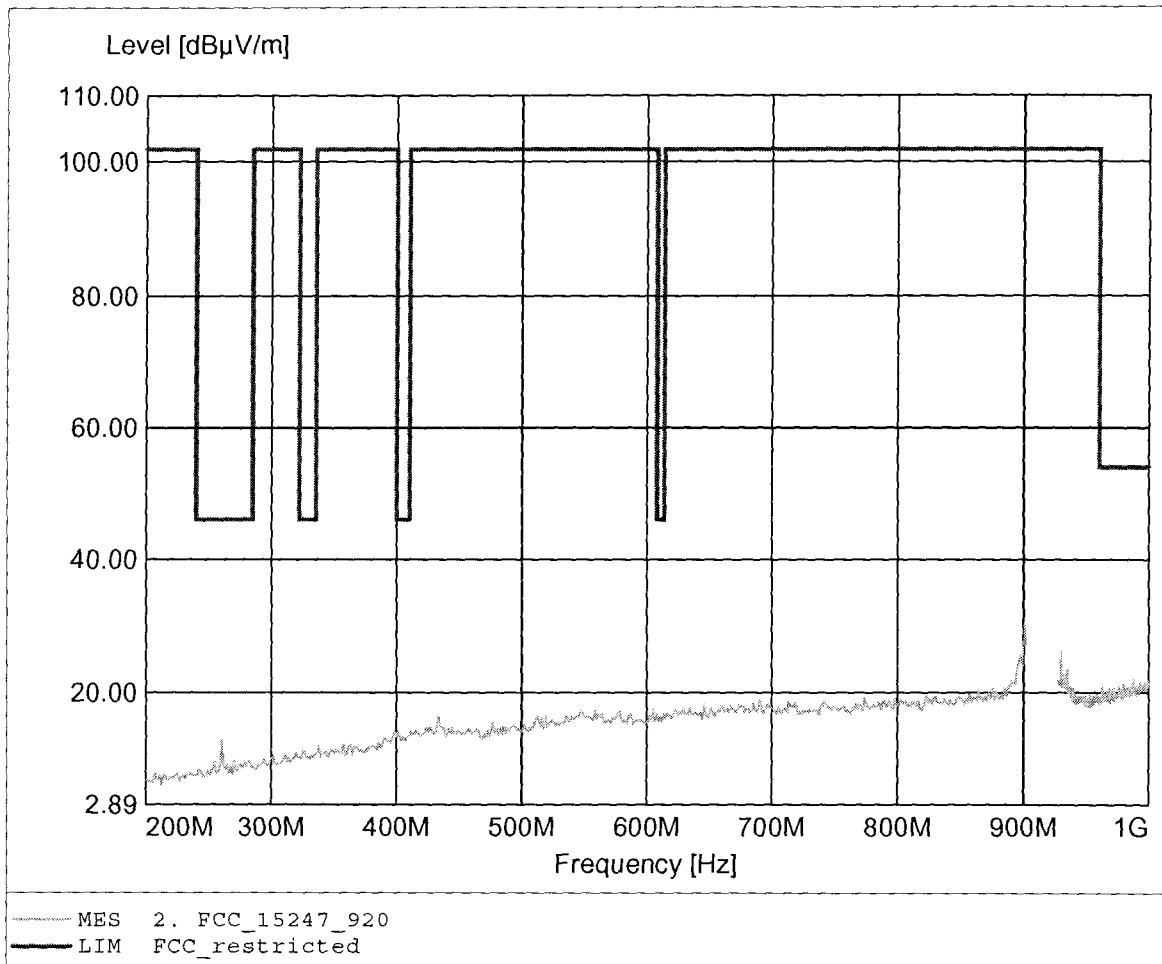
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 181.603MHz, Emax: 32.39dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

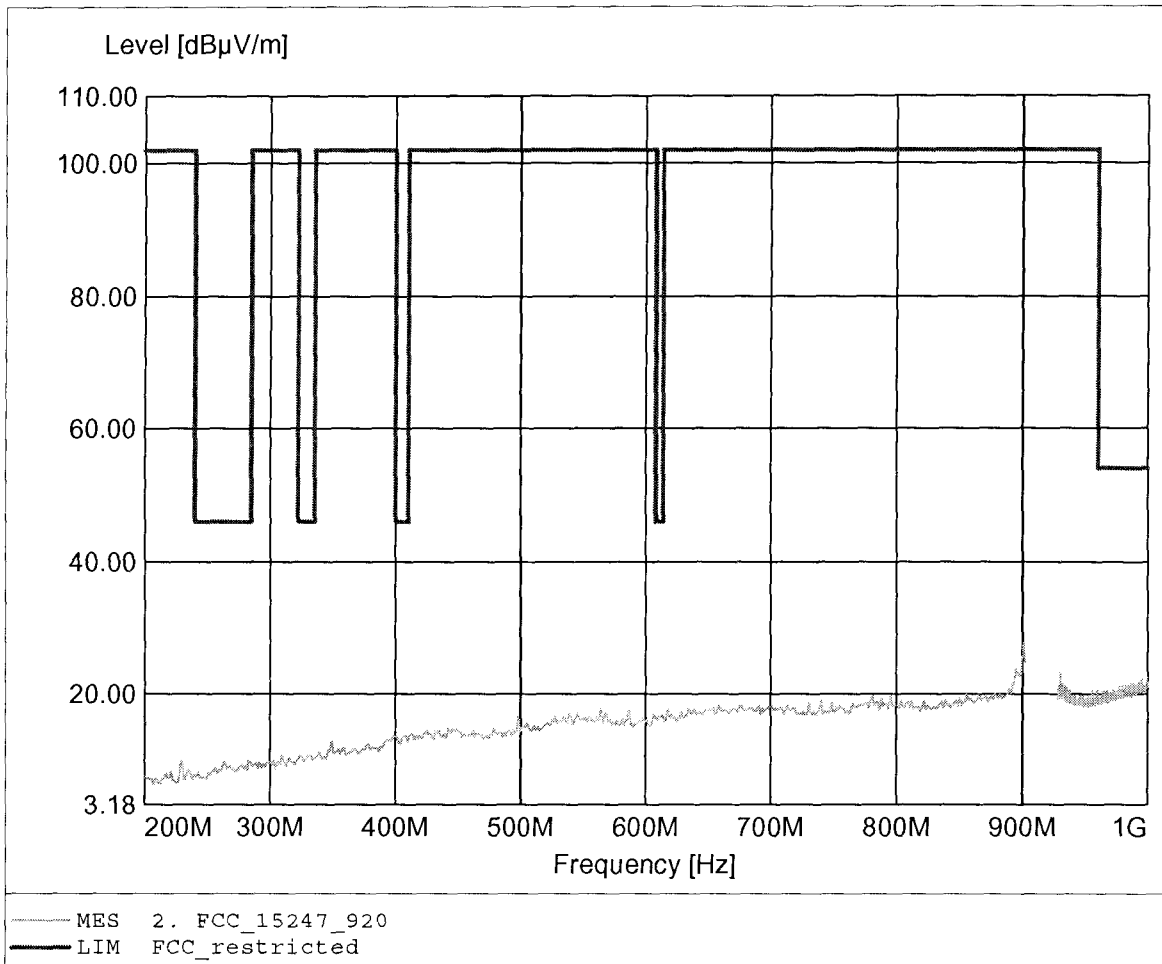
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 900.593MHz, Emax: 30.50dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

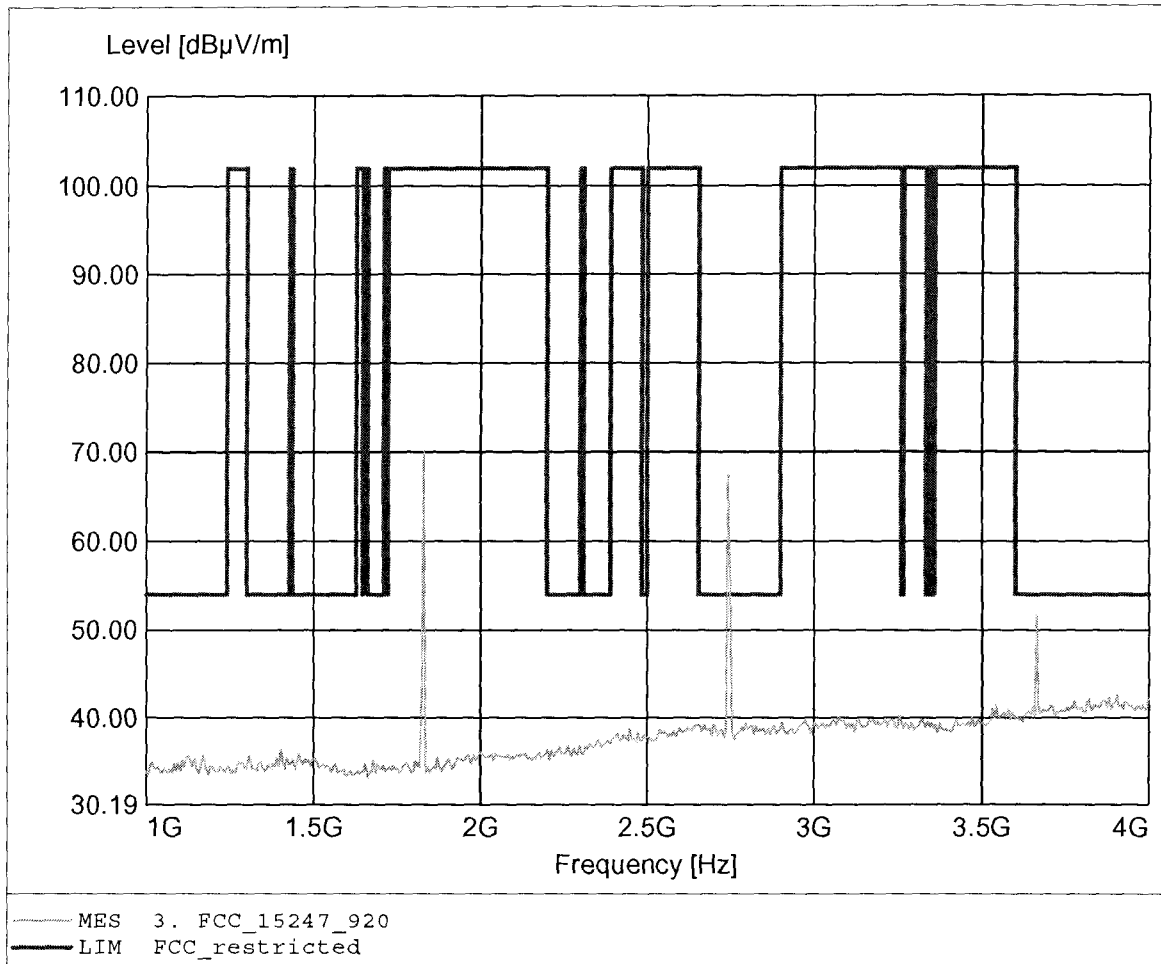
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 900.593MHz, Emax: 27.75dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

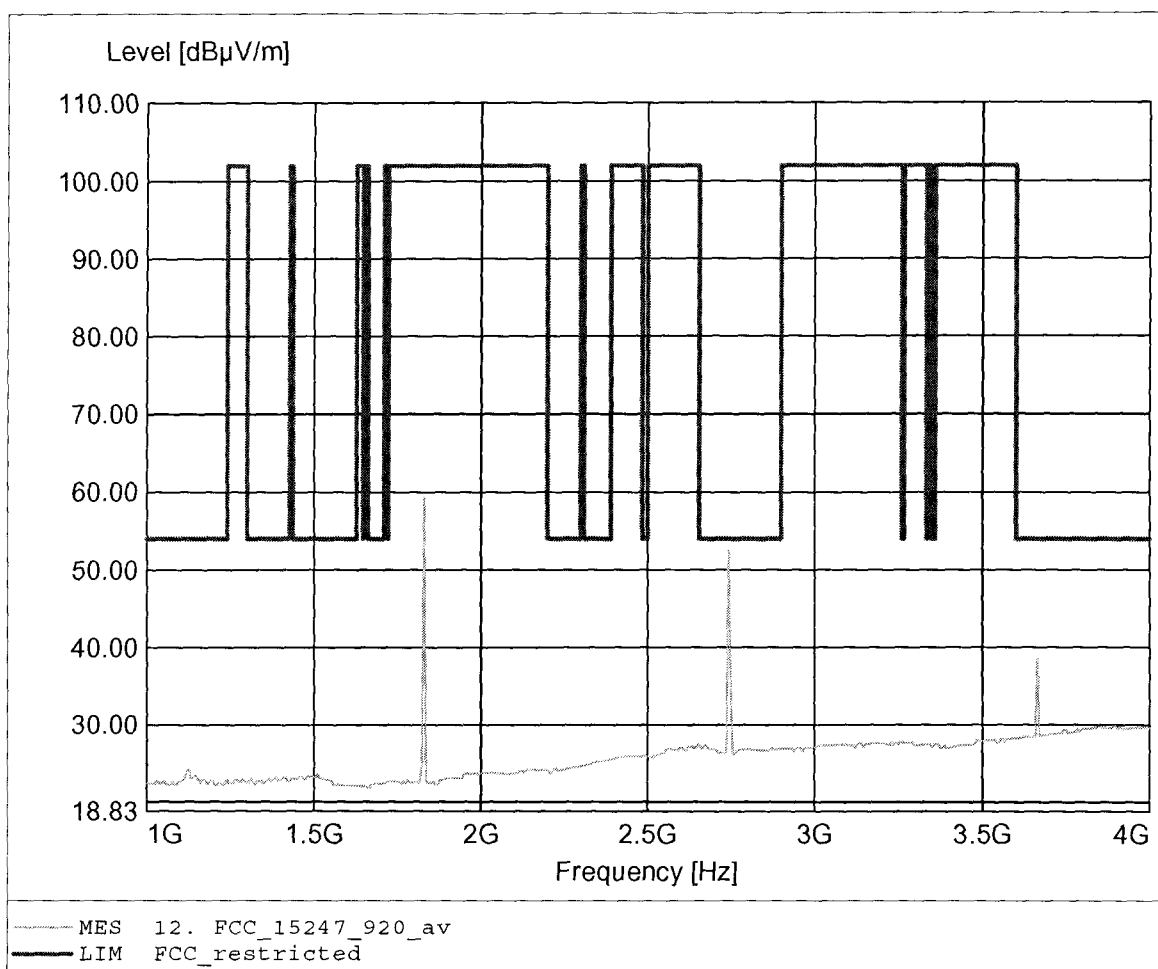
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.830GHz, Emax: 70.15dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

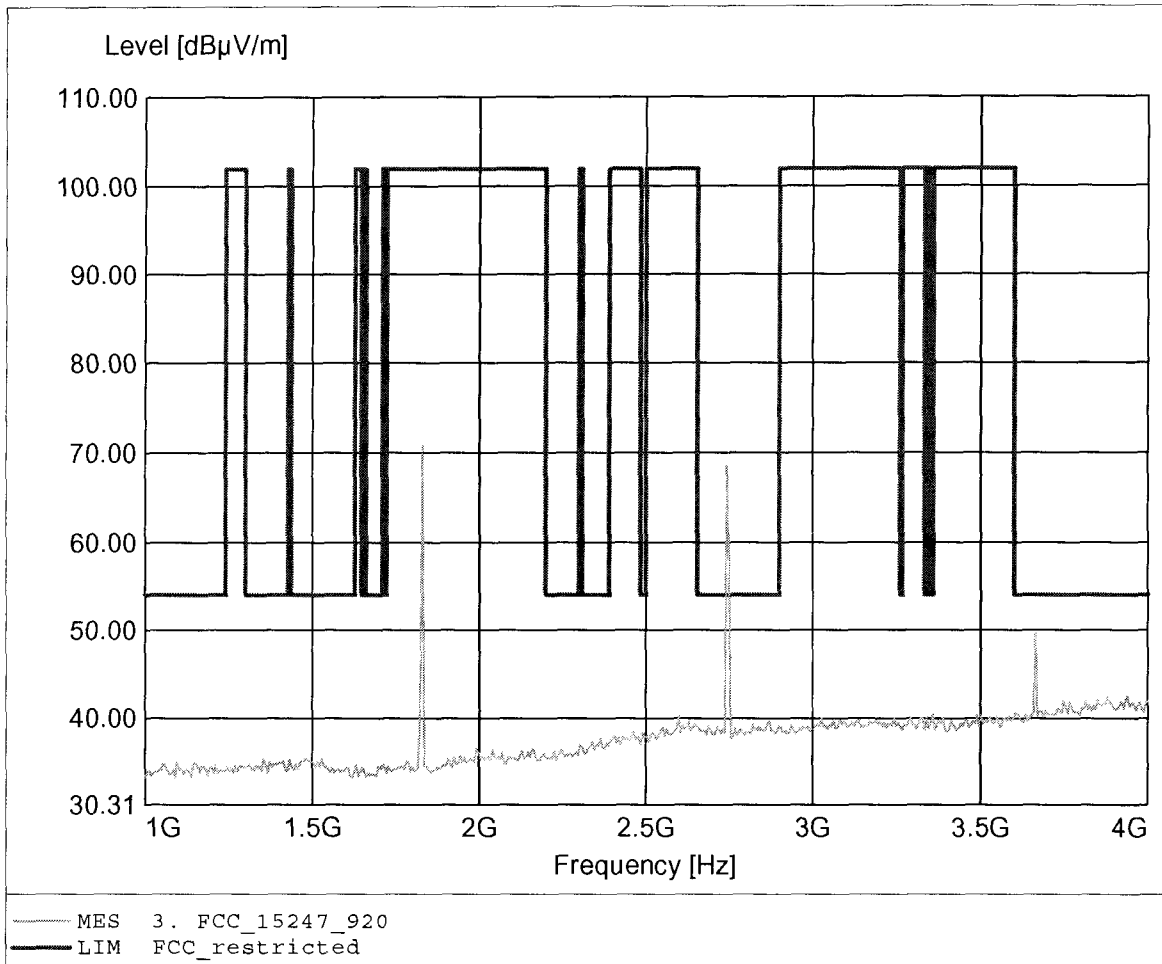
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.830GHz, Emax: 59.39dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

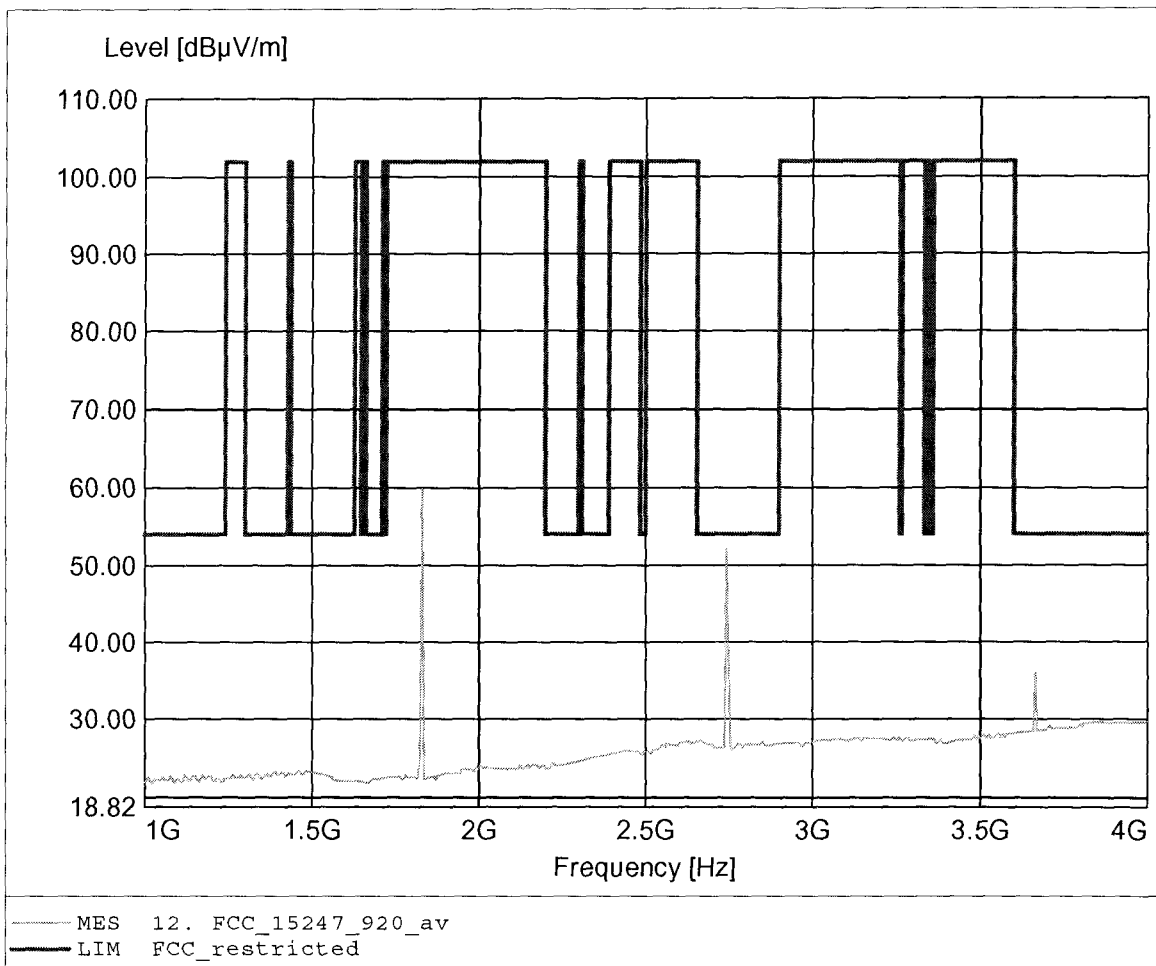
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.830GHz, Emax: 70.82dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

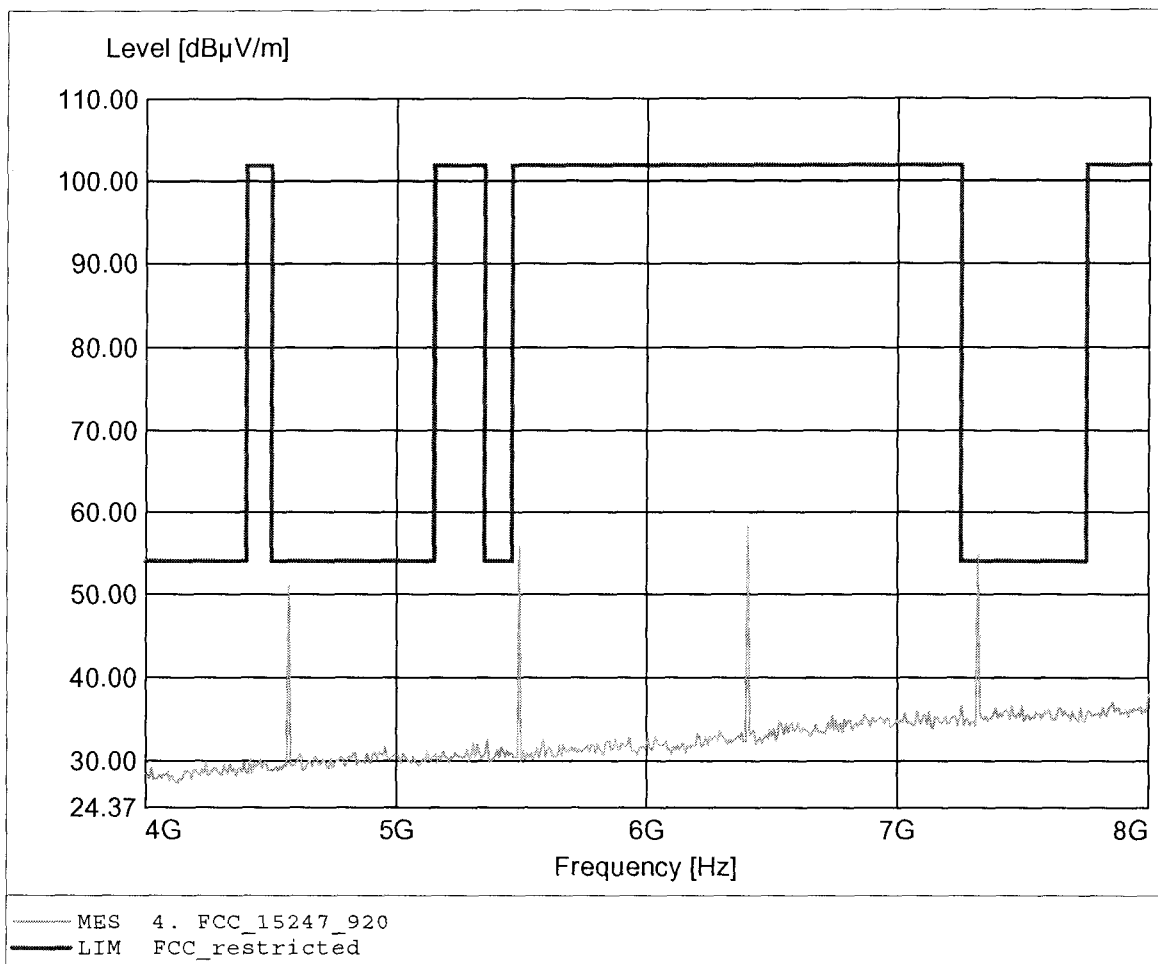
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.830GHz, Emax: 59.86dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

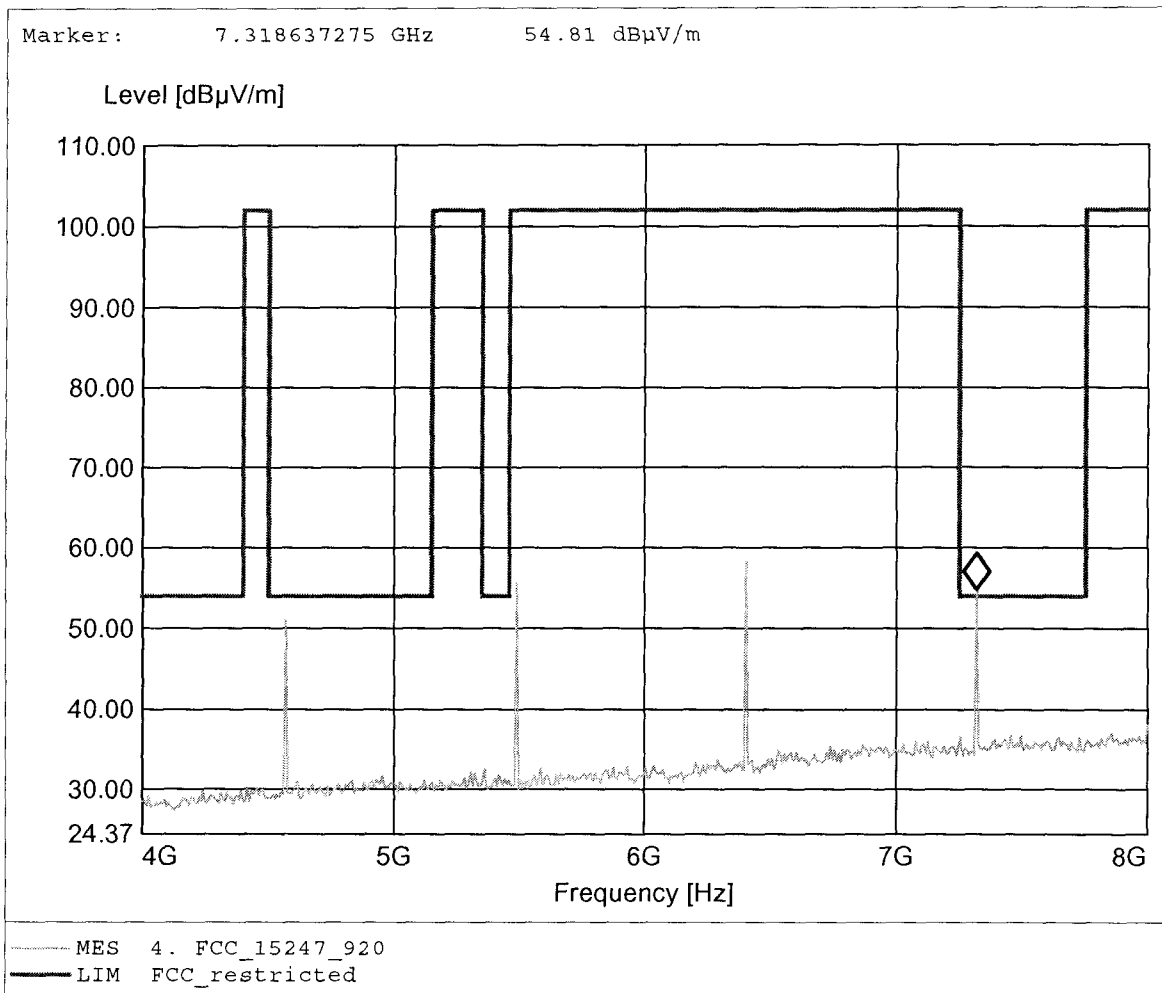
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.405GHz, Emax: 58.21dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

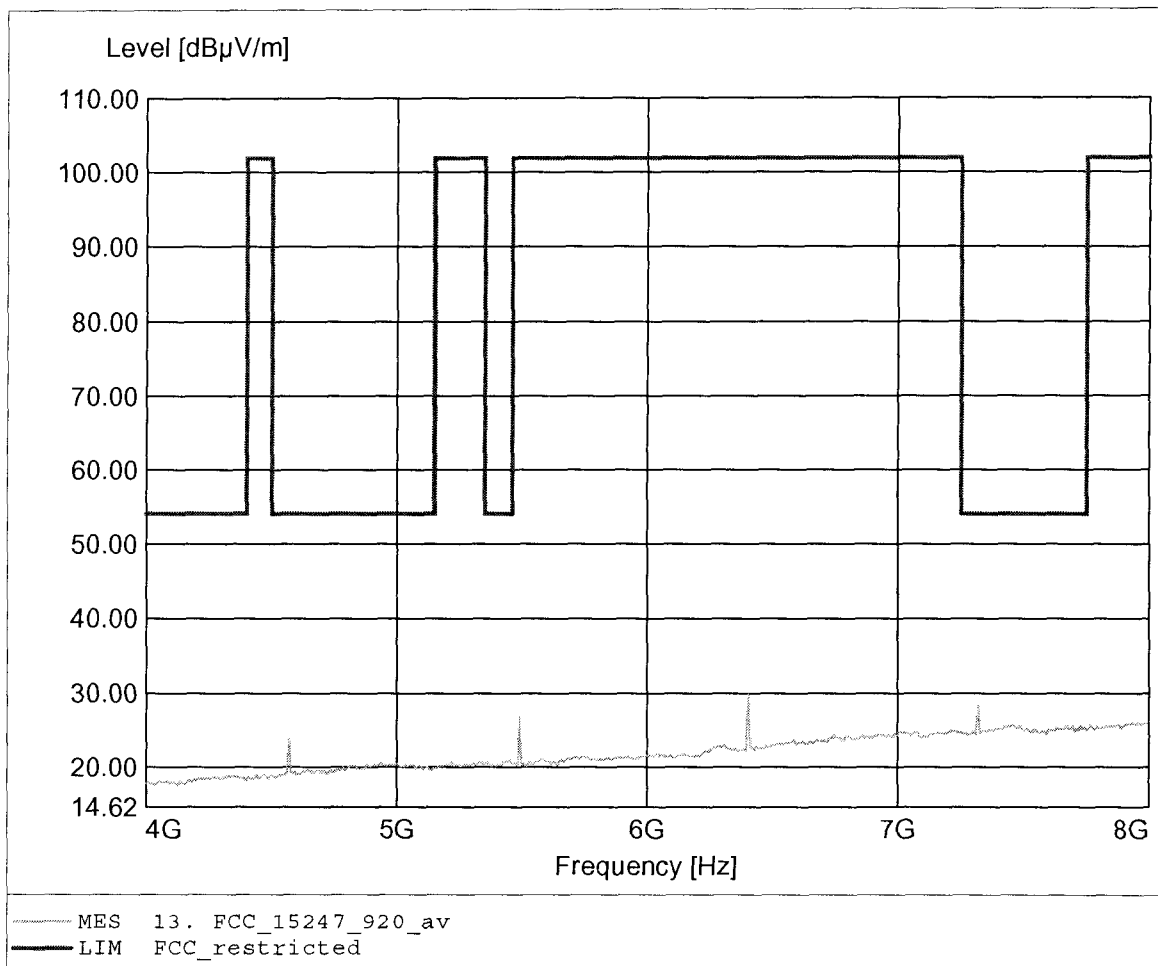
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.405GHz, Emax: 58.21dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

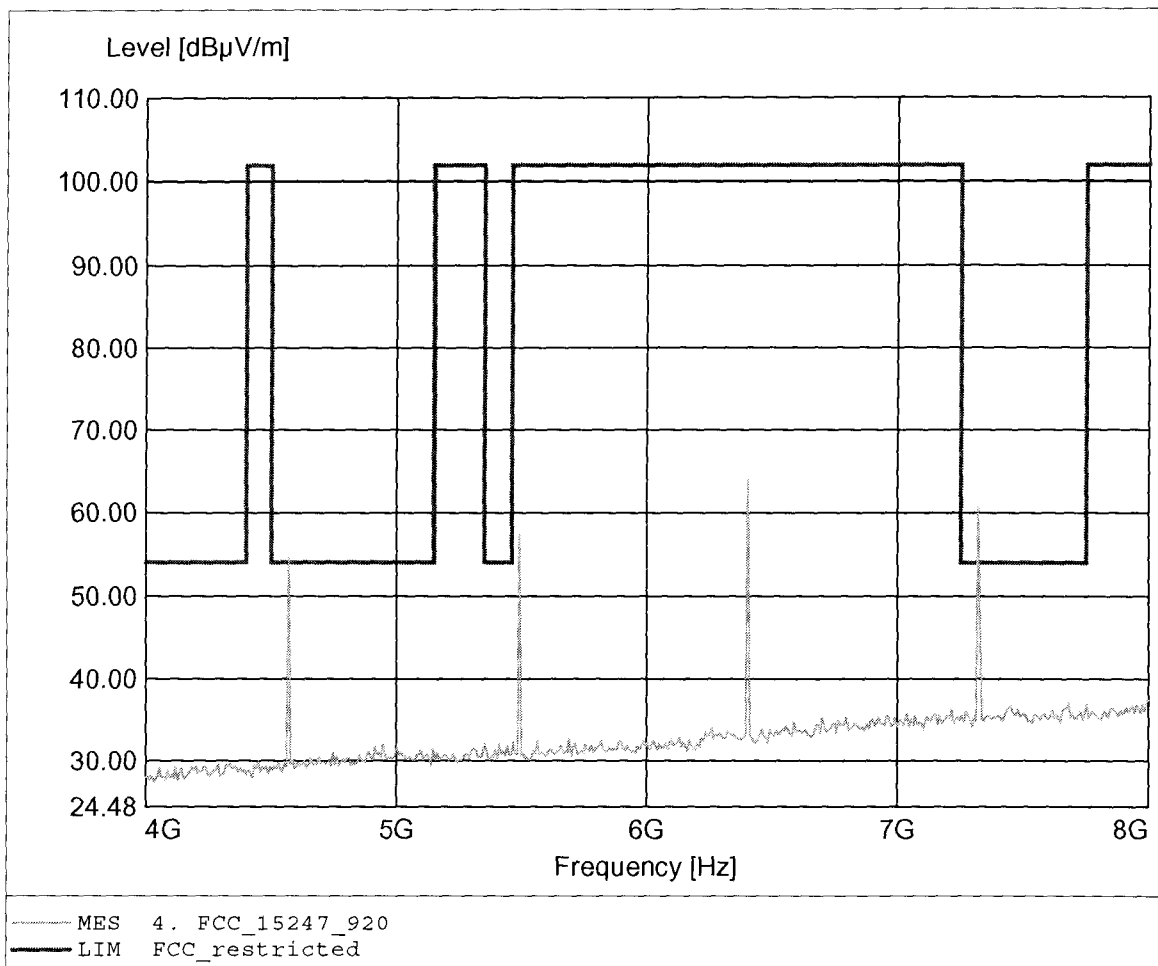
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.405GHz, Emax: 29.83dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

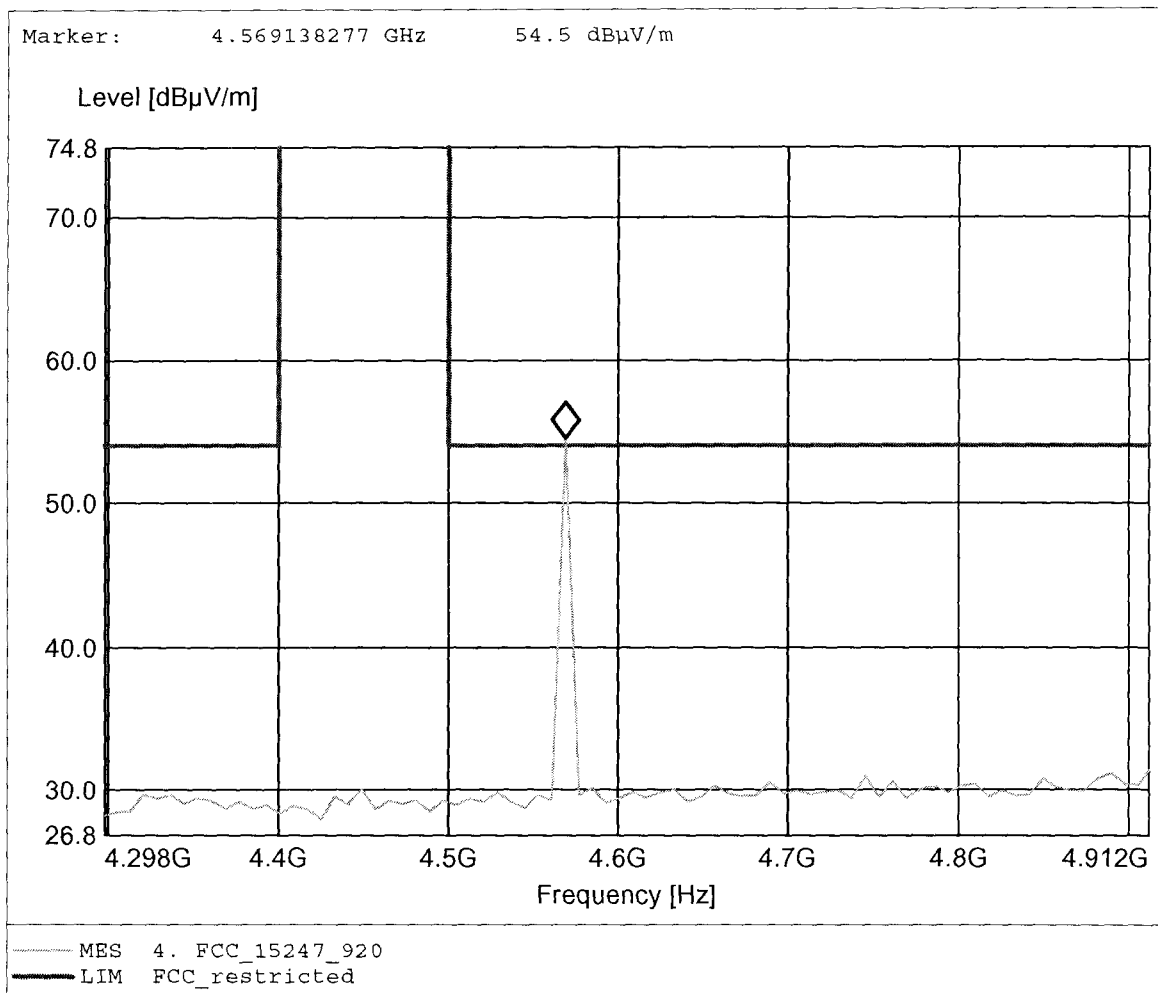
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.405GHz, Emax: 64.17dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

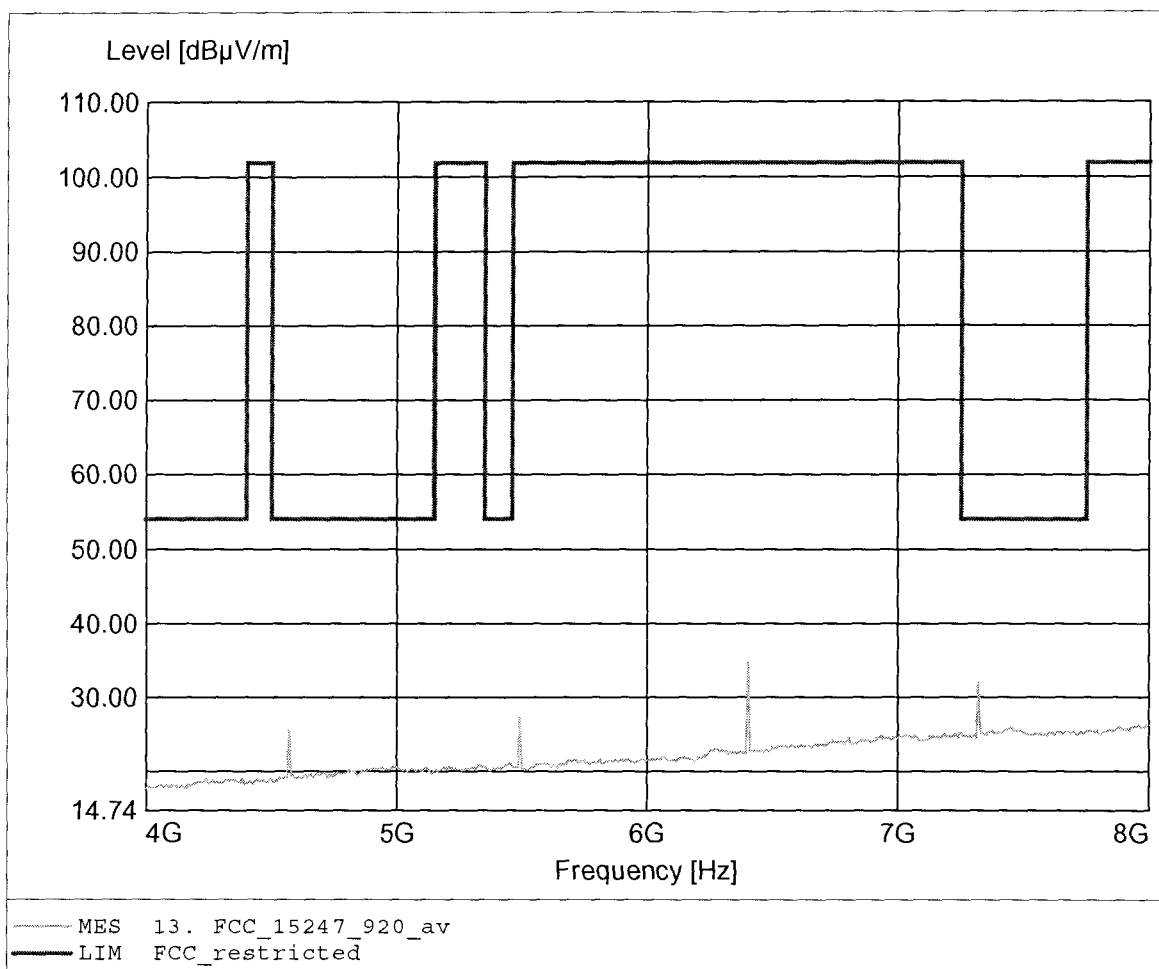
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.405GHz, Emax: 64.17dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

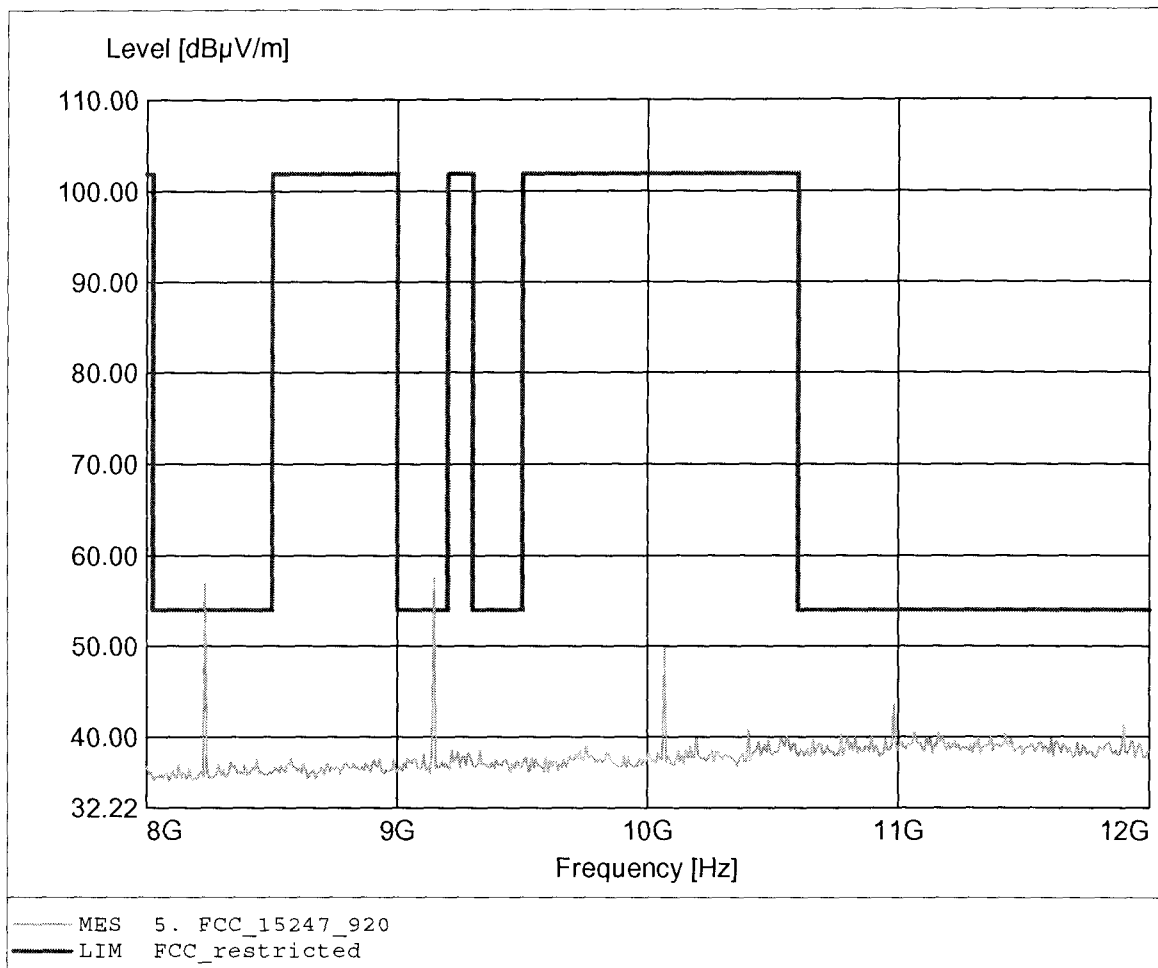
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.405GHz, Emax: 34.77dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

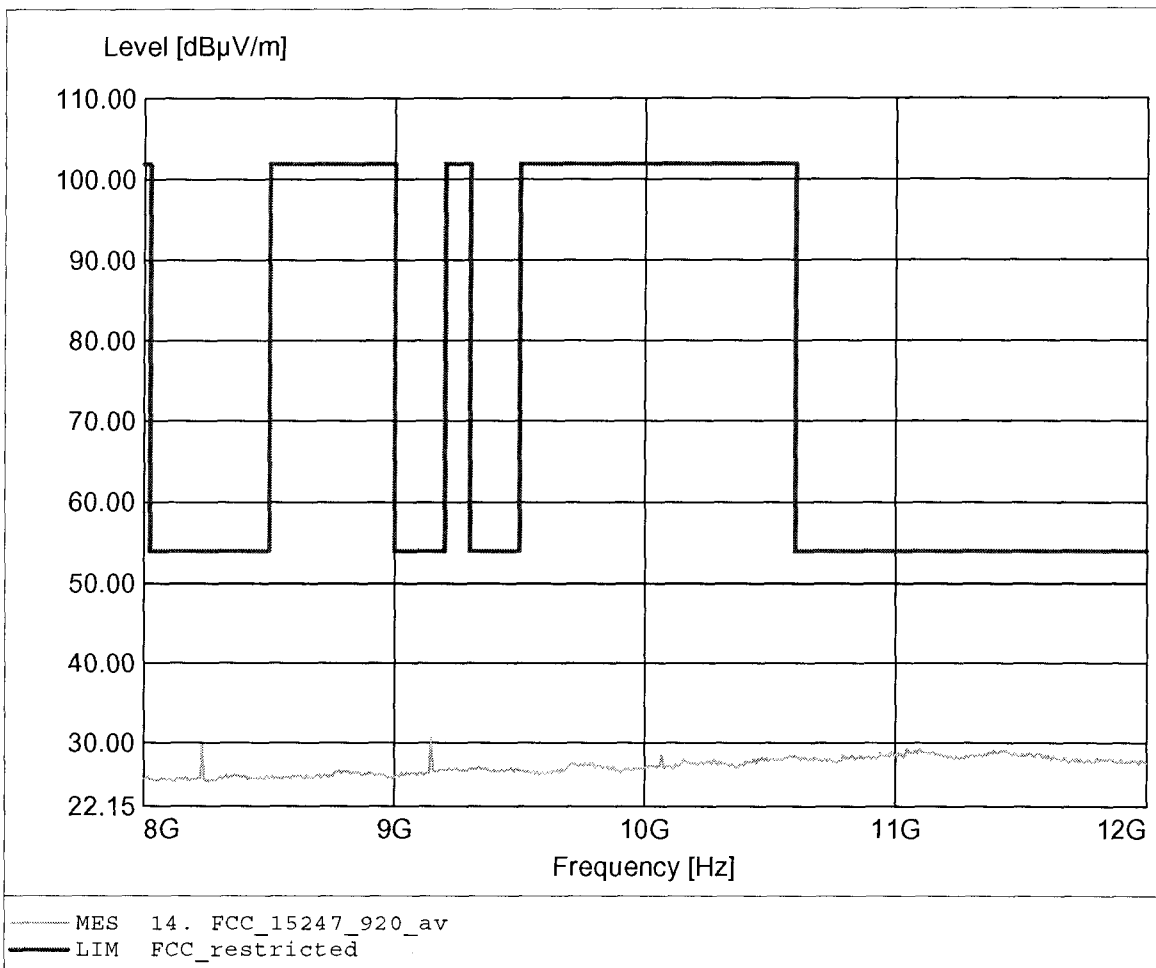
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.146GHz, Emax: 57.53dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

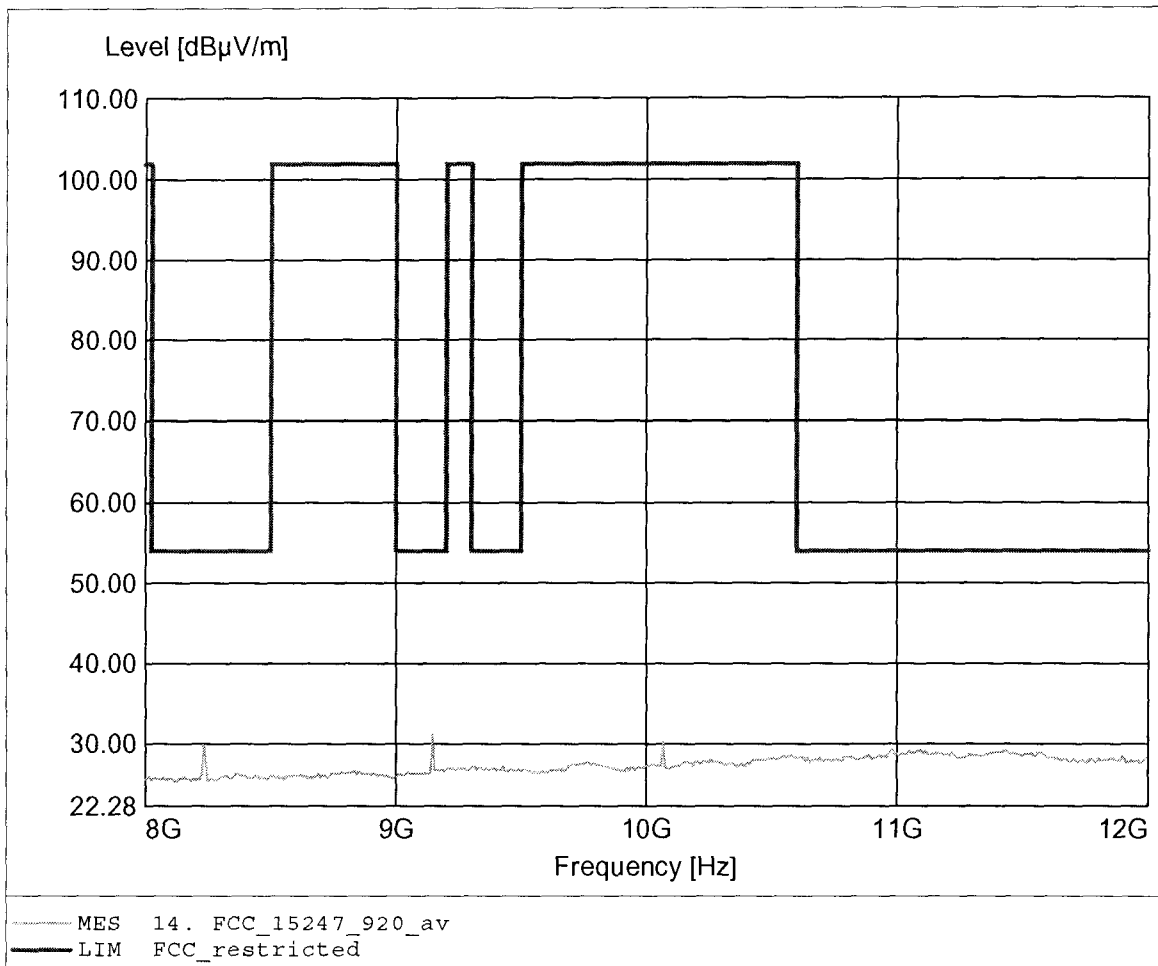
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.146GHz, Emax: 30.72dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

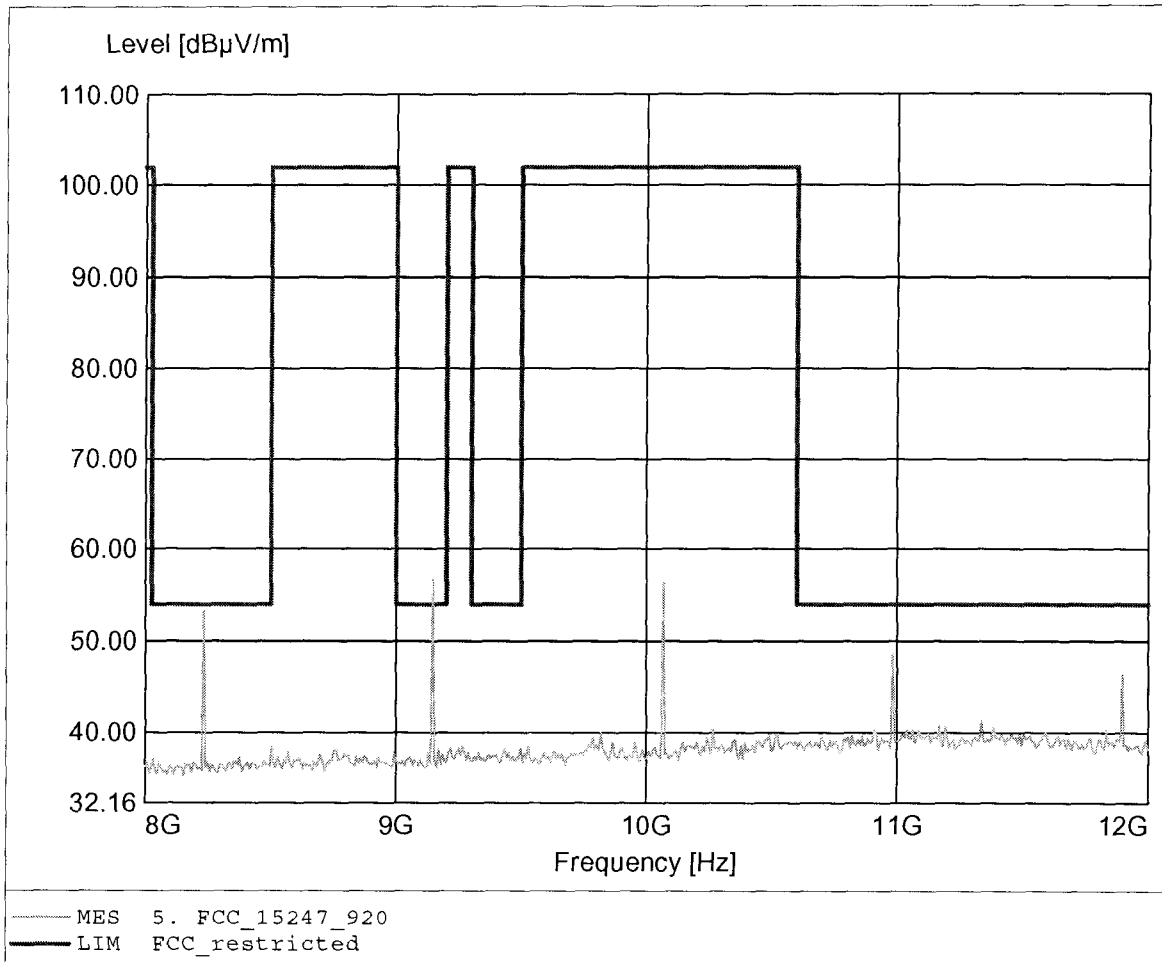
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.146GHz, Emax: 31.07dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

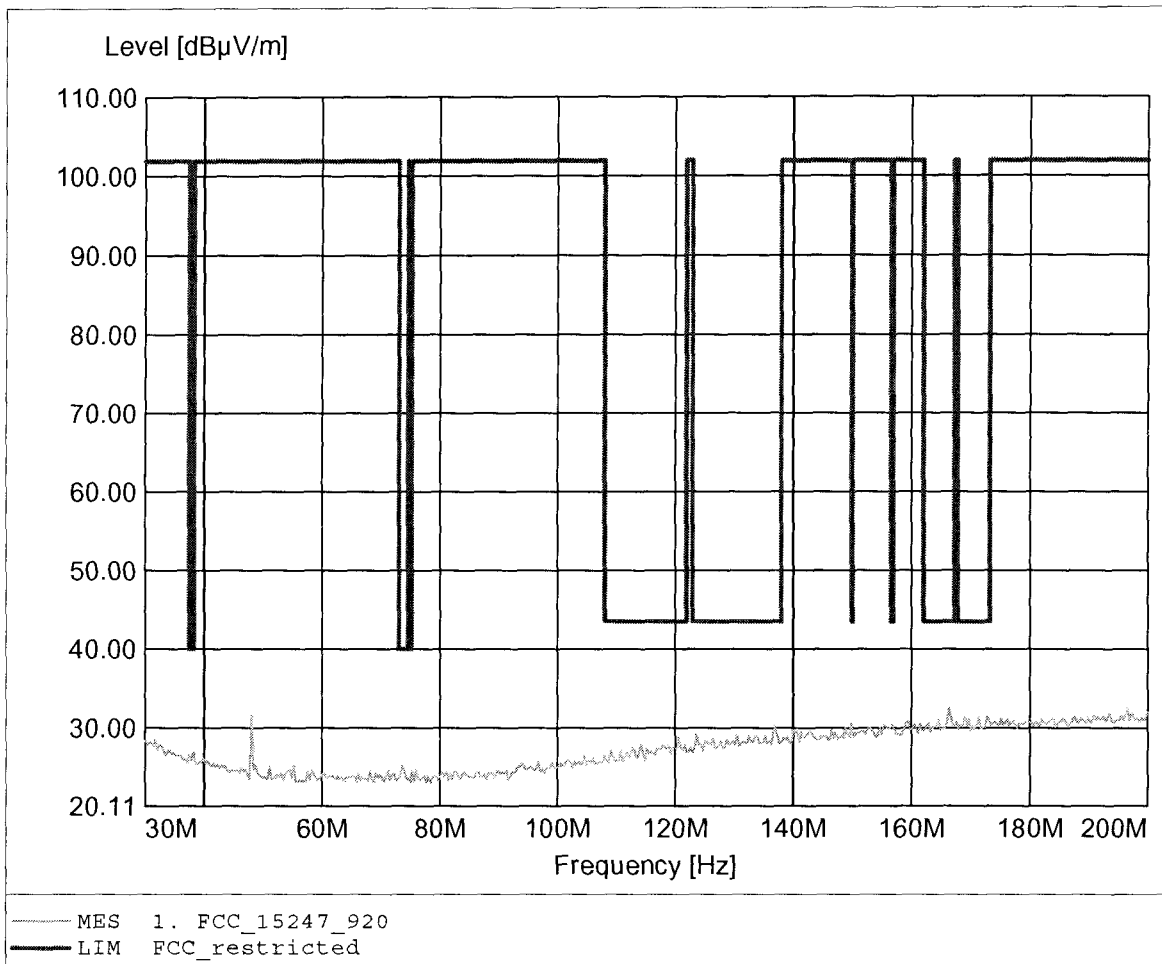
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.146GHz, Emax: 56.58dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

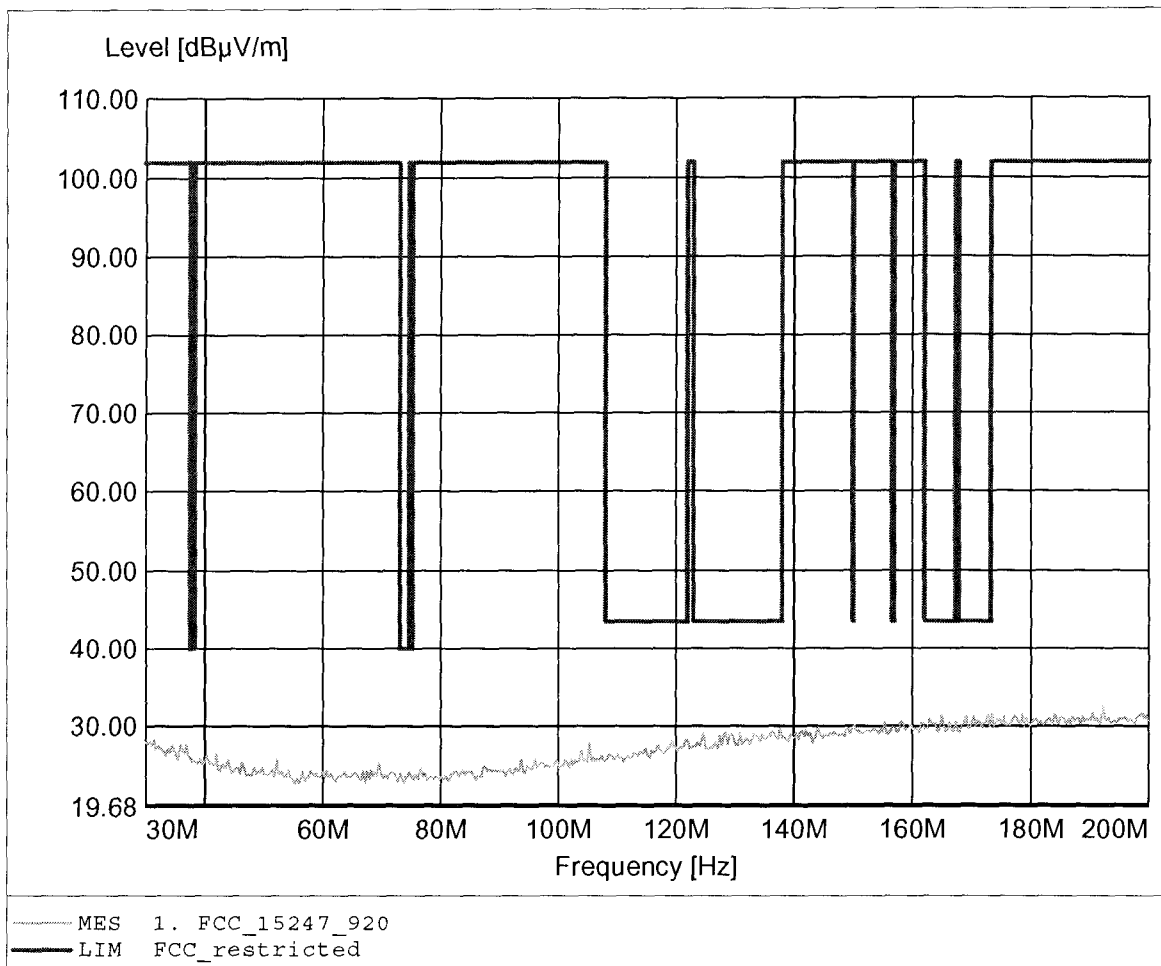
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 166.273MHz, Emax: 32.55dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

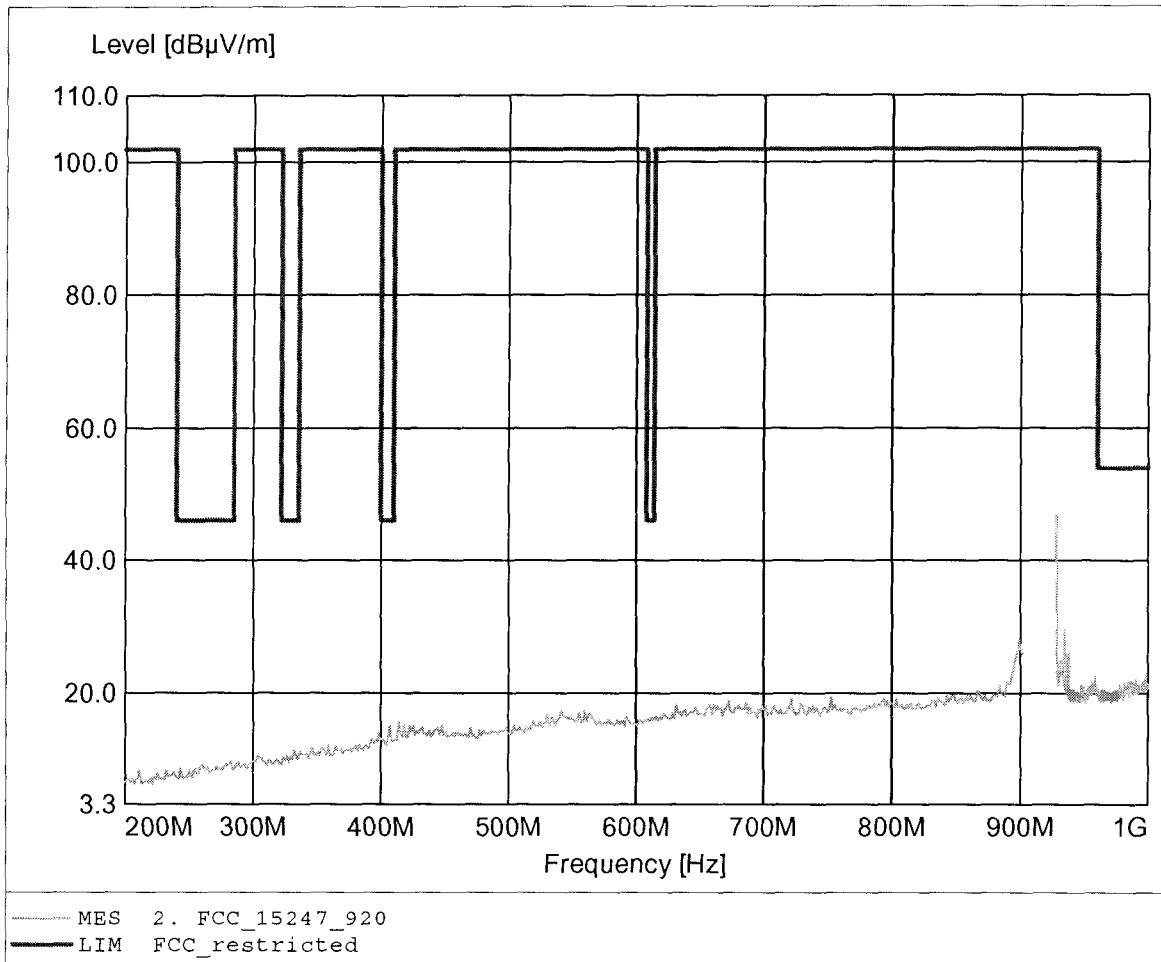
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.164MHz, Emax: 32.46dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

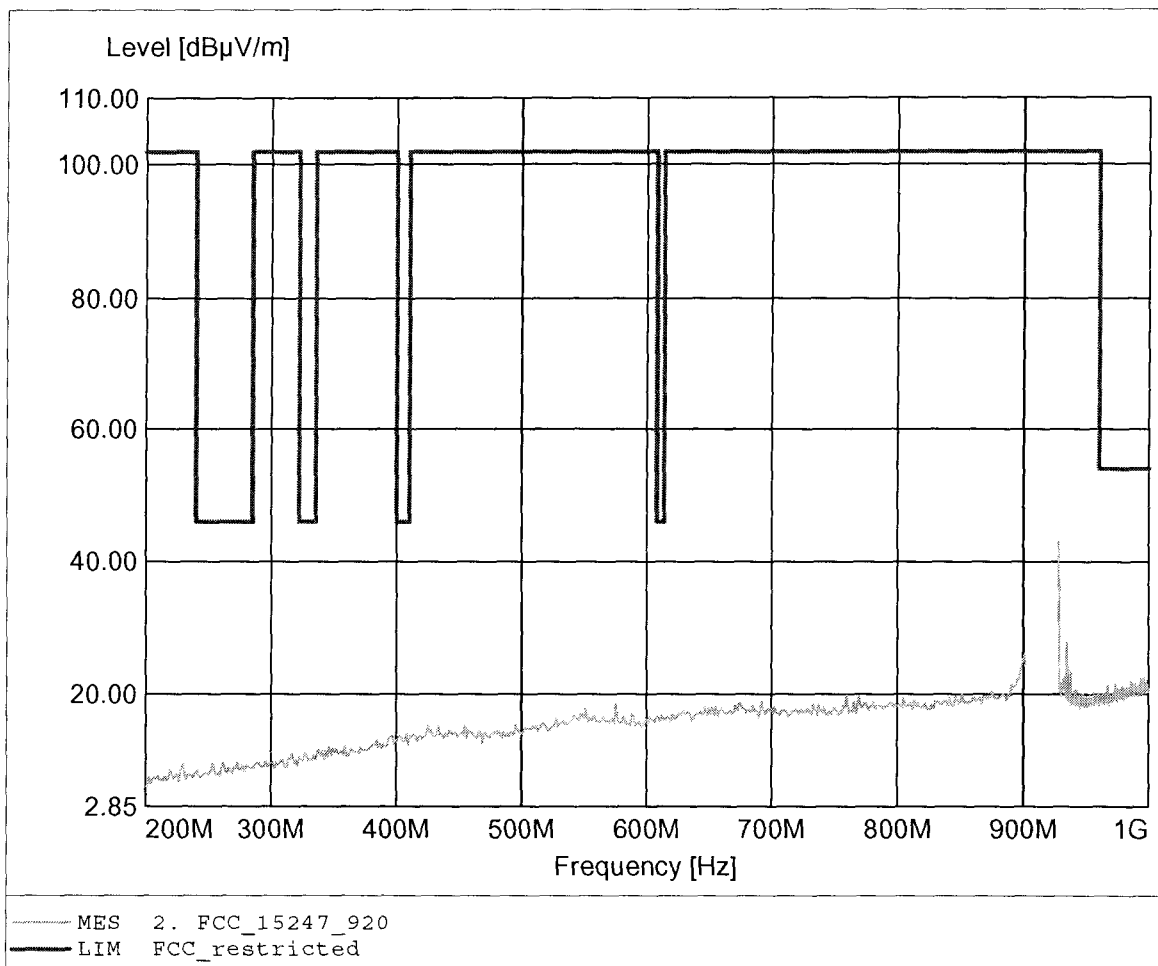
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 928.000MHz, Emax: 46.71dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

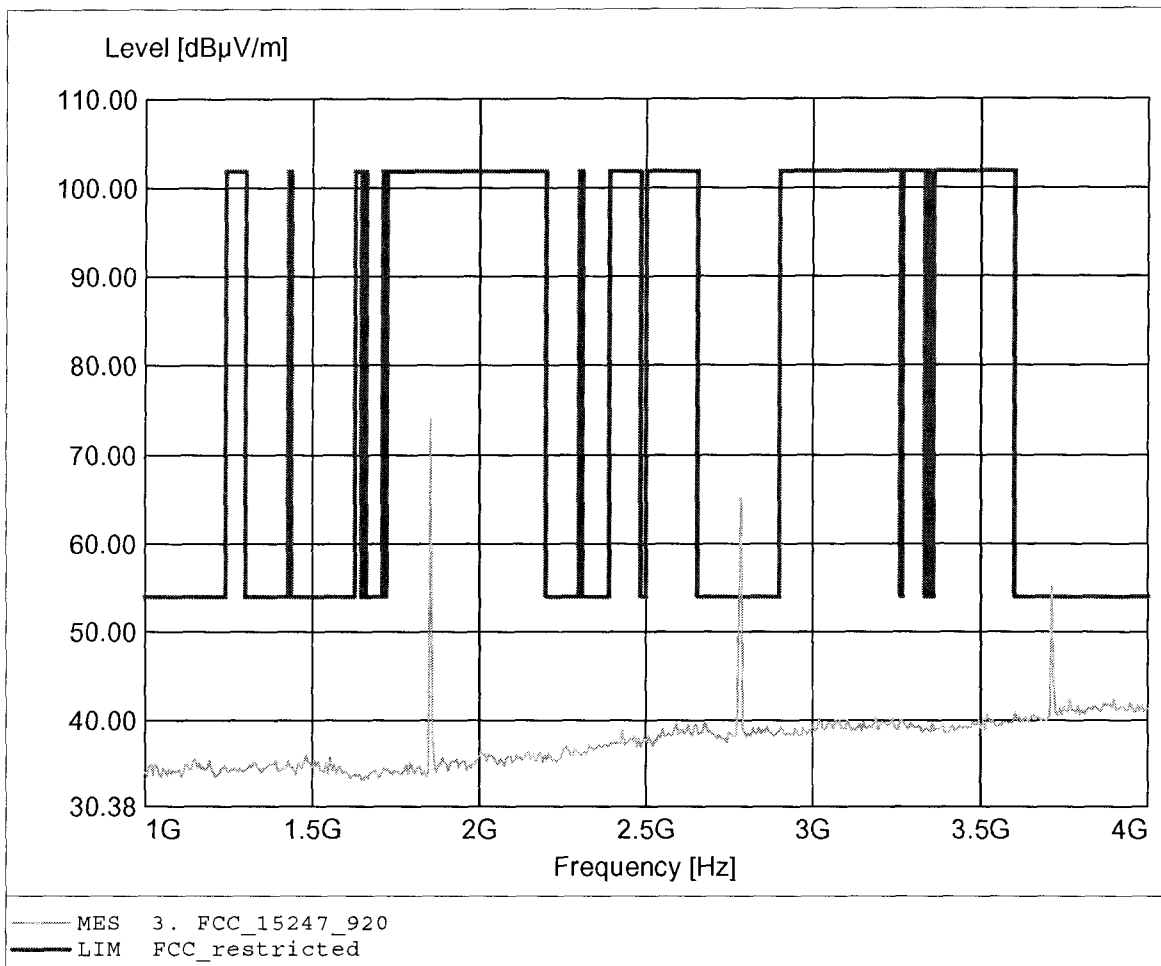
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 928.000MHz, Emax: 43.00dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

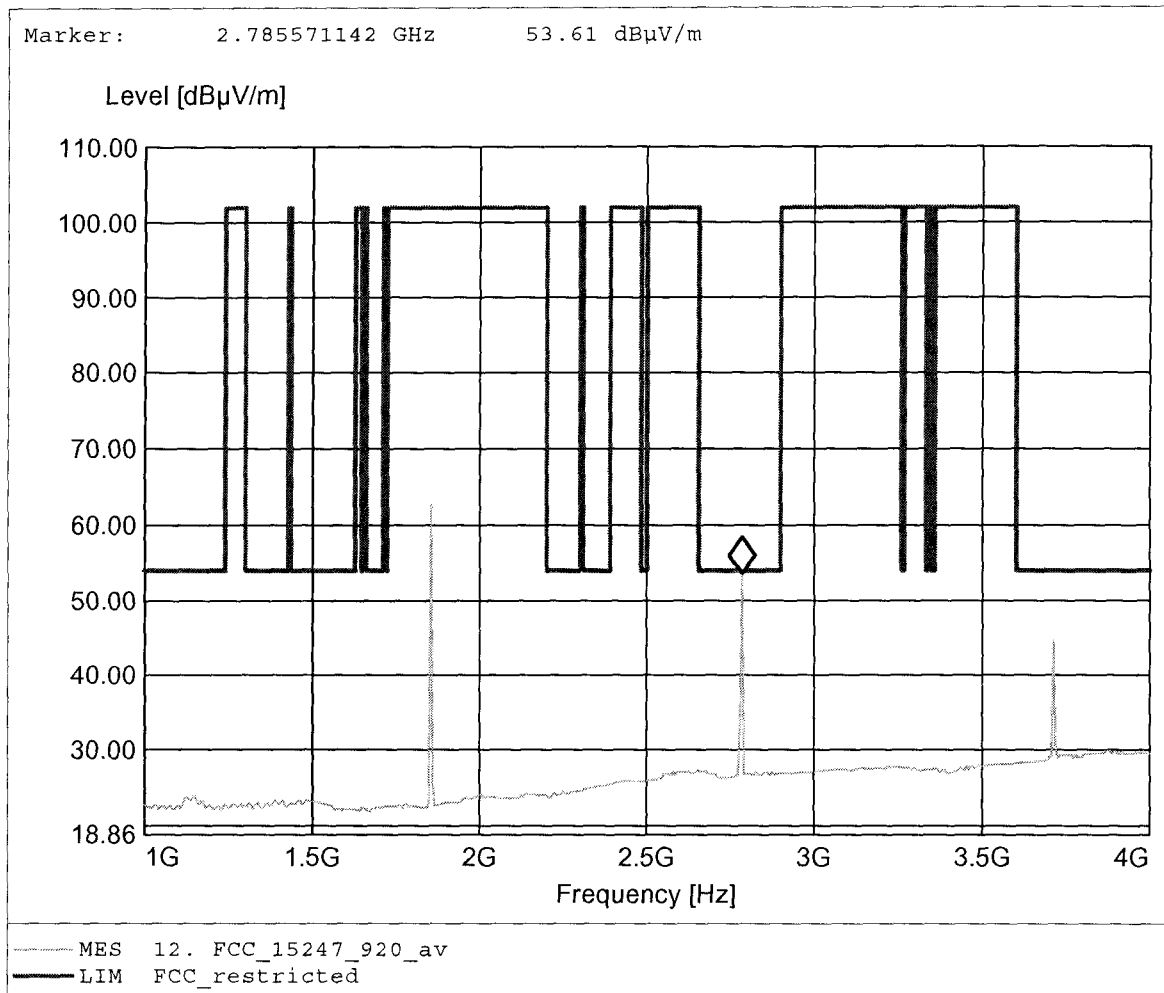
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.854GHz, Emax: 74.03dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

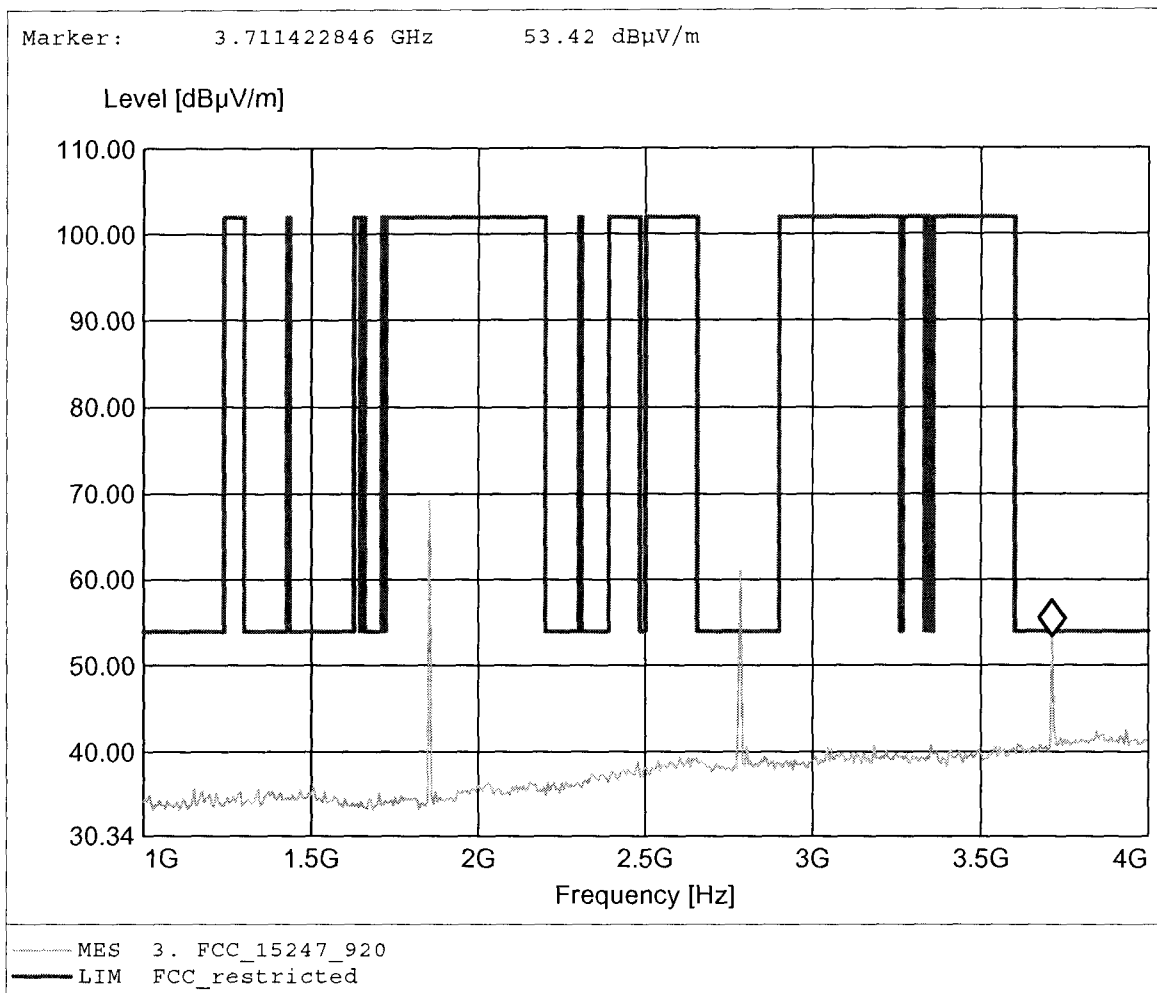
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.854GHz, Emax: 62.65dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

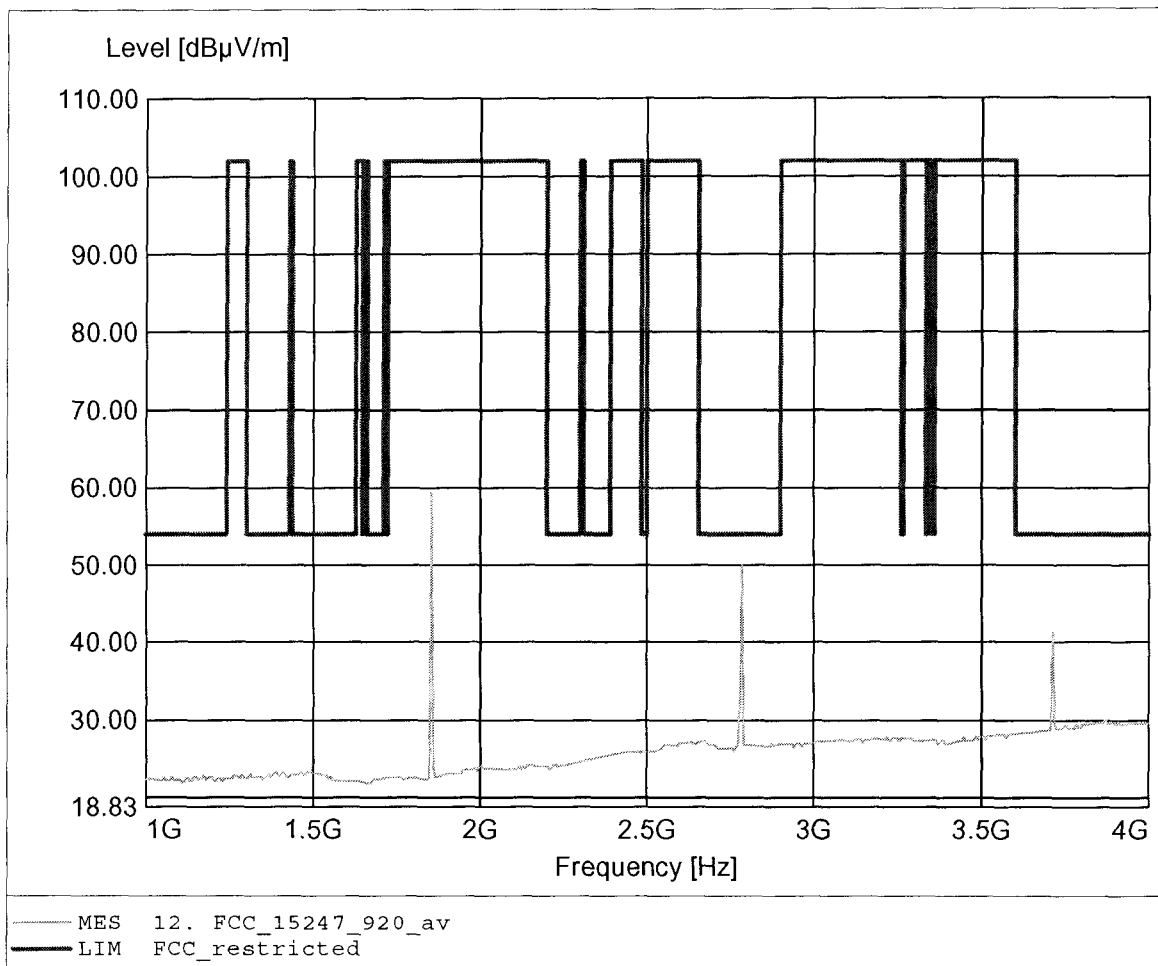
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.854GHz, Emax: 69.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

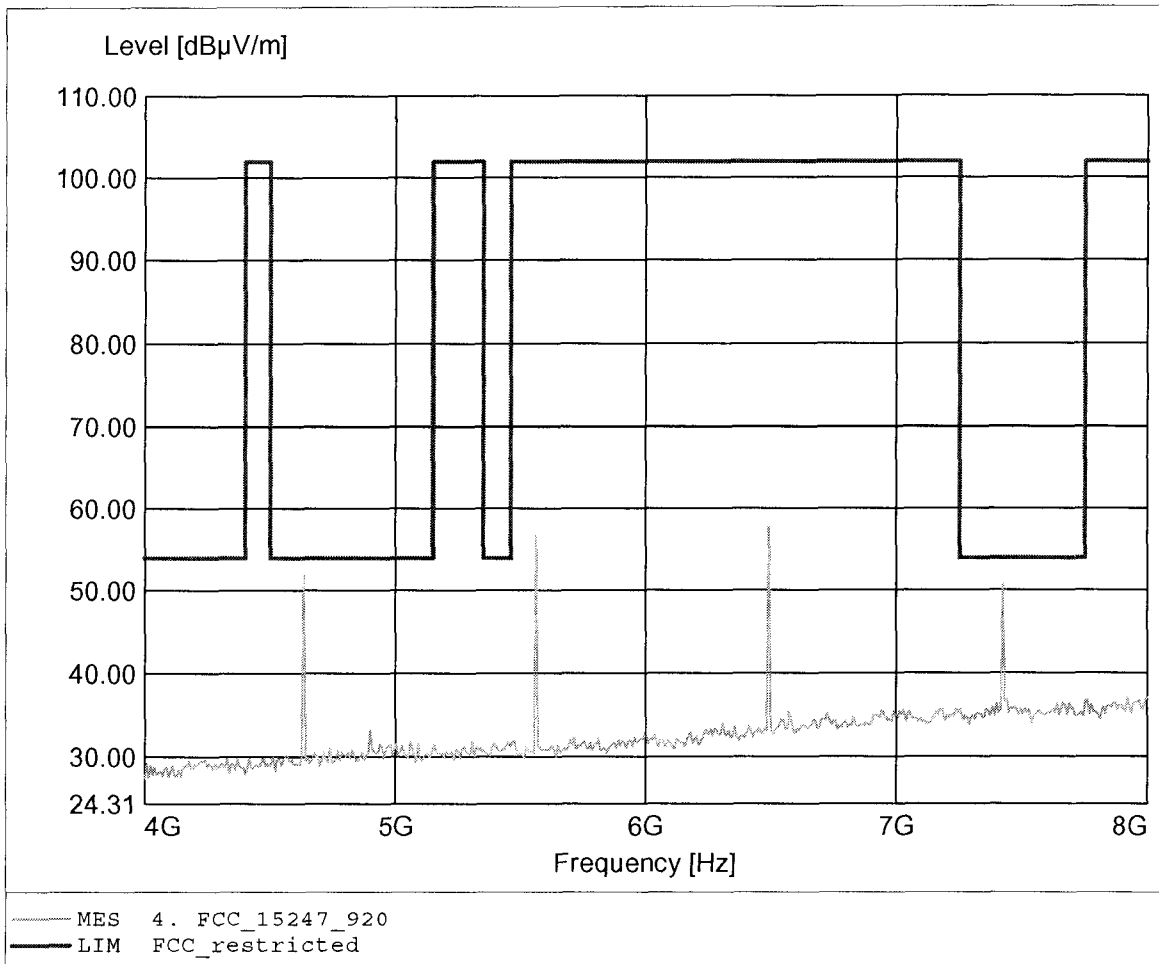
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.854GHz, Emax: 59.38dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

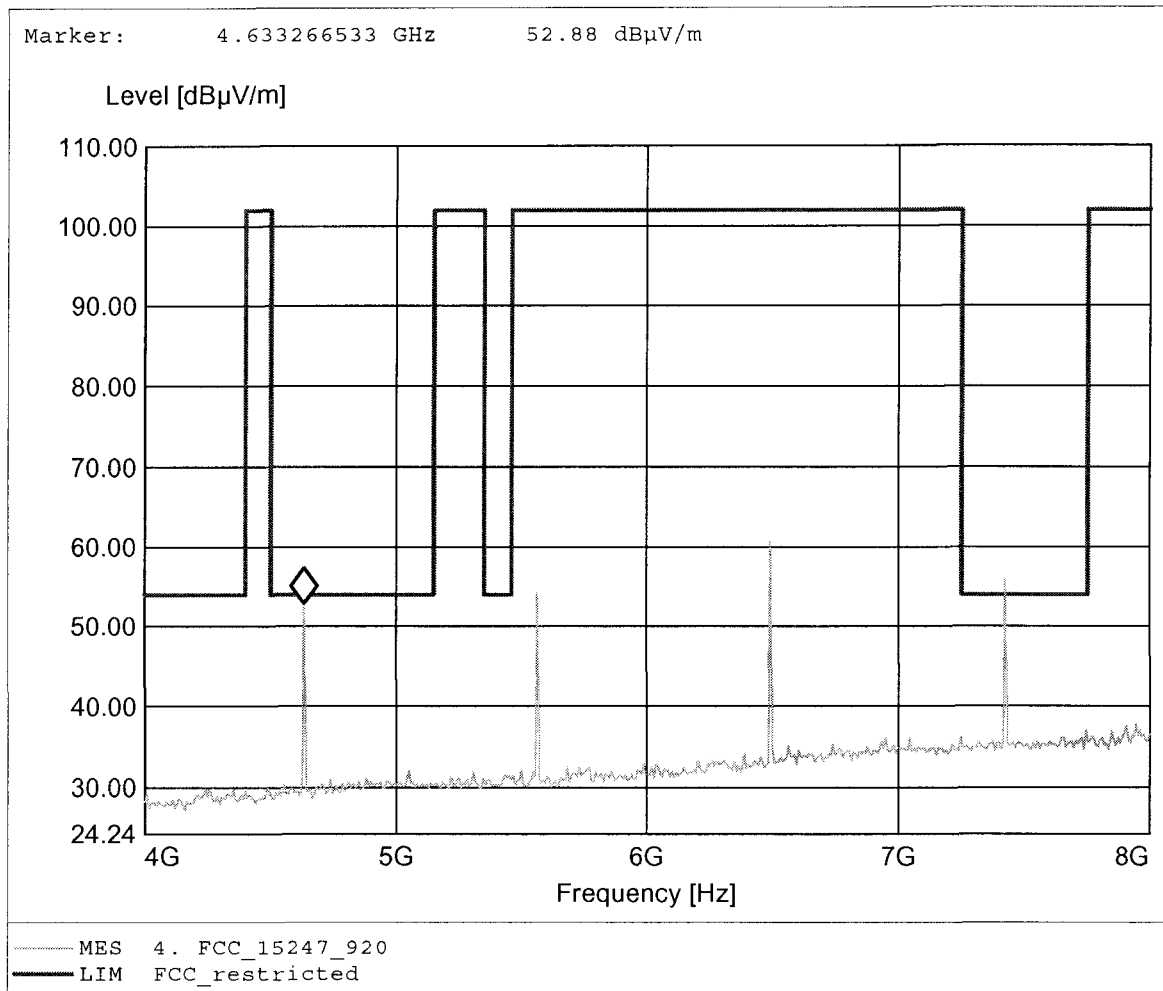
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.493GHz, Emax: 57.79dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

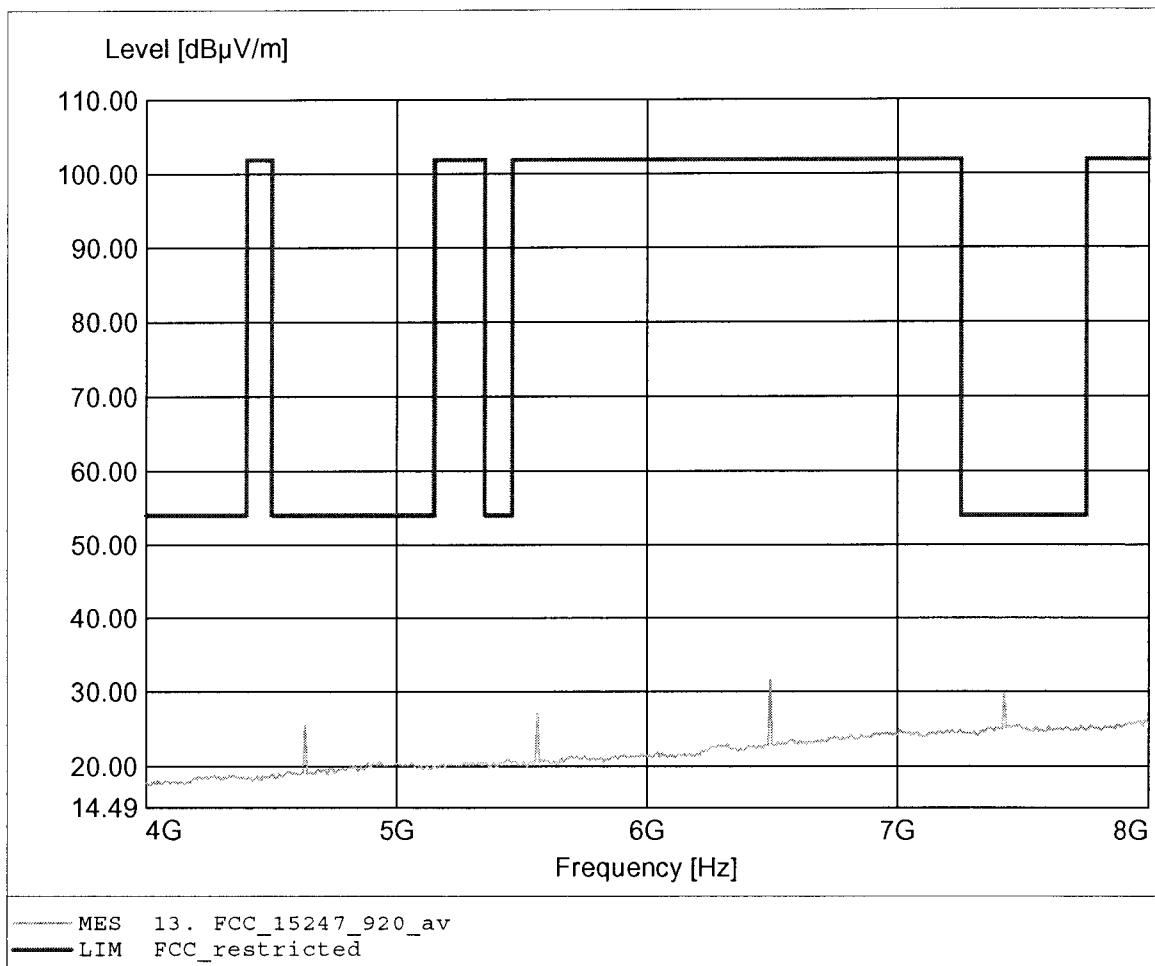
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.493GHz, Emax: 60.76dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

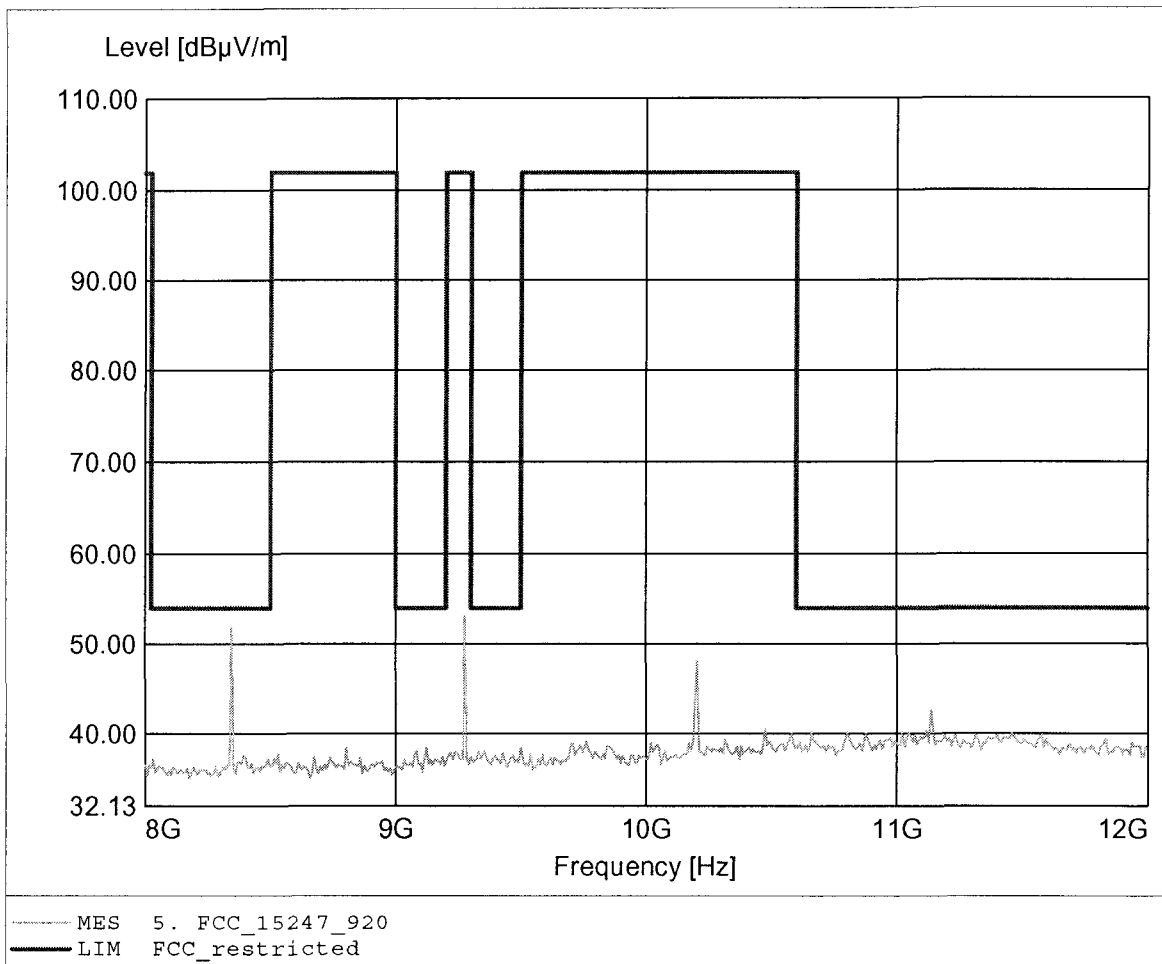
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.493GHz, Emax: 31.48dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

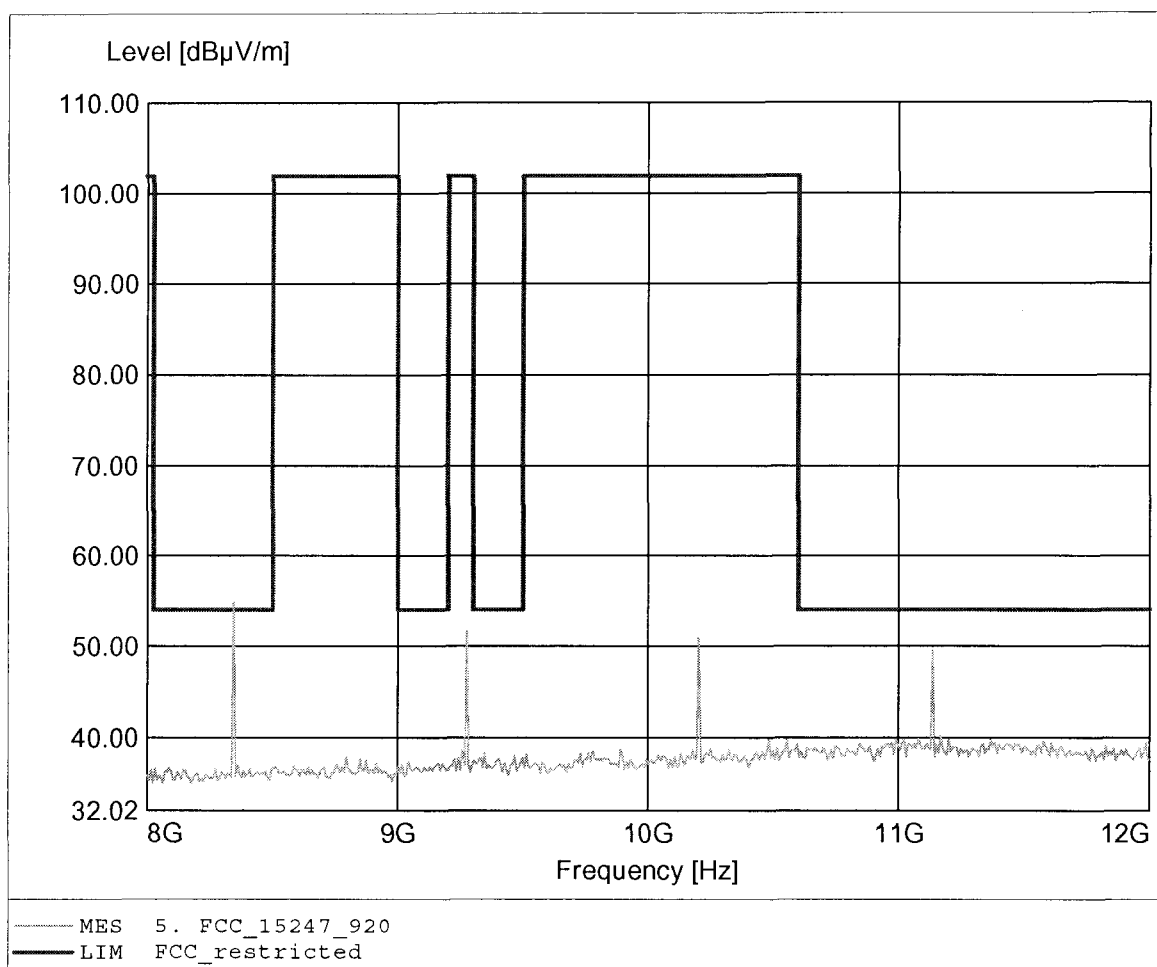
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.275GHz, Emax: 53.02dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

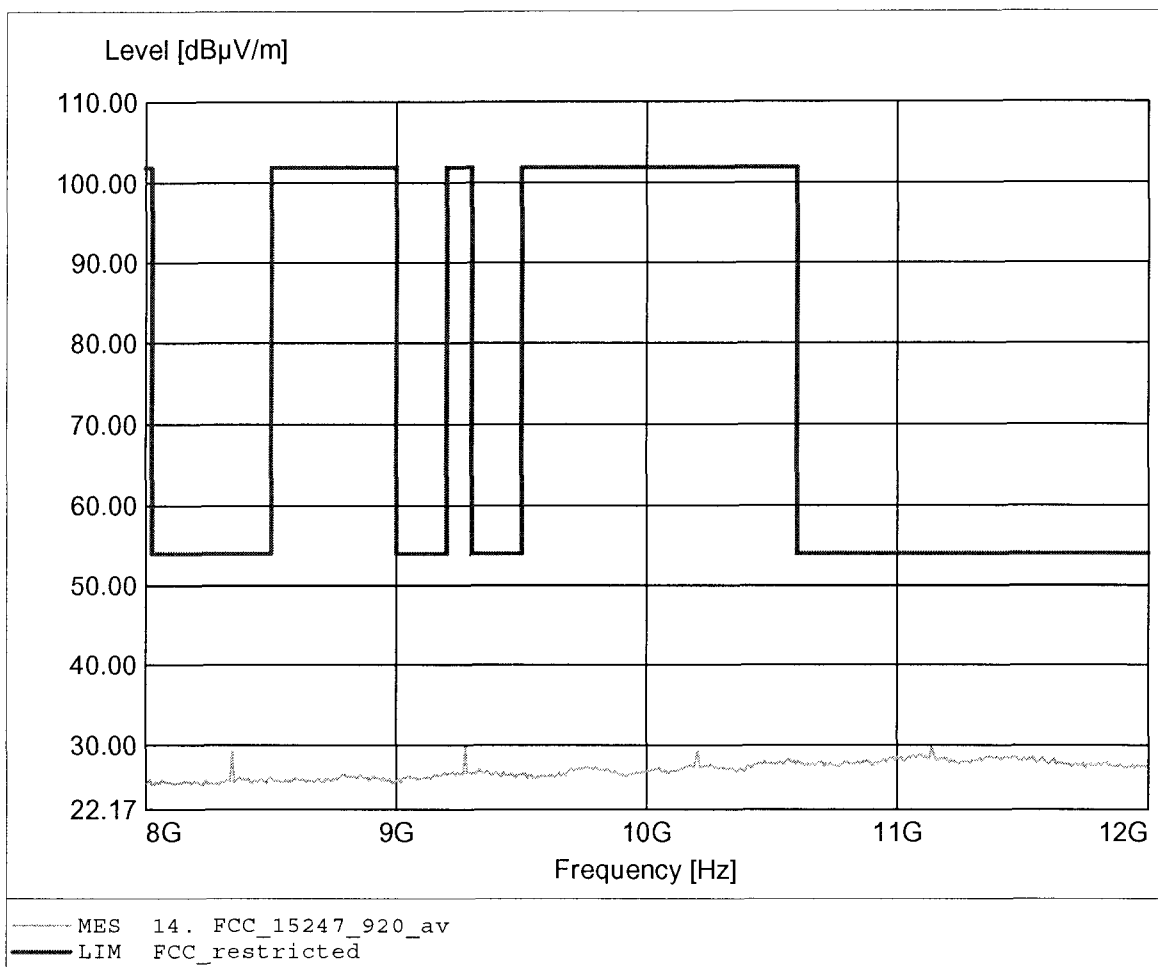
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 8.345GHz, Emax: 54.81dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.275GHz, Emax: 29.83dBµV/m, RBW: 1MHz





Appendix D

Spurious Emissions conducted - Transmitter operating

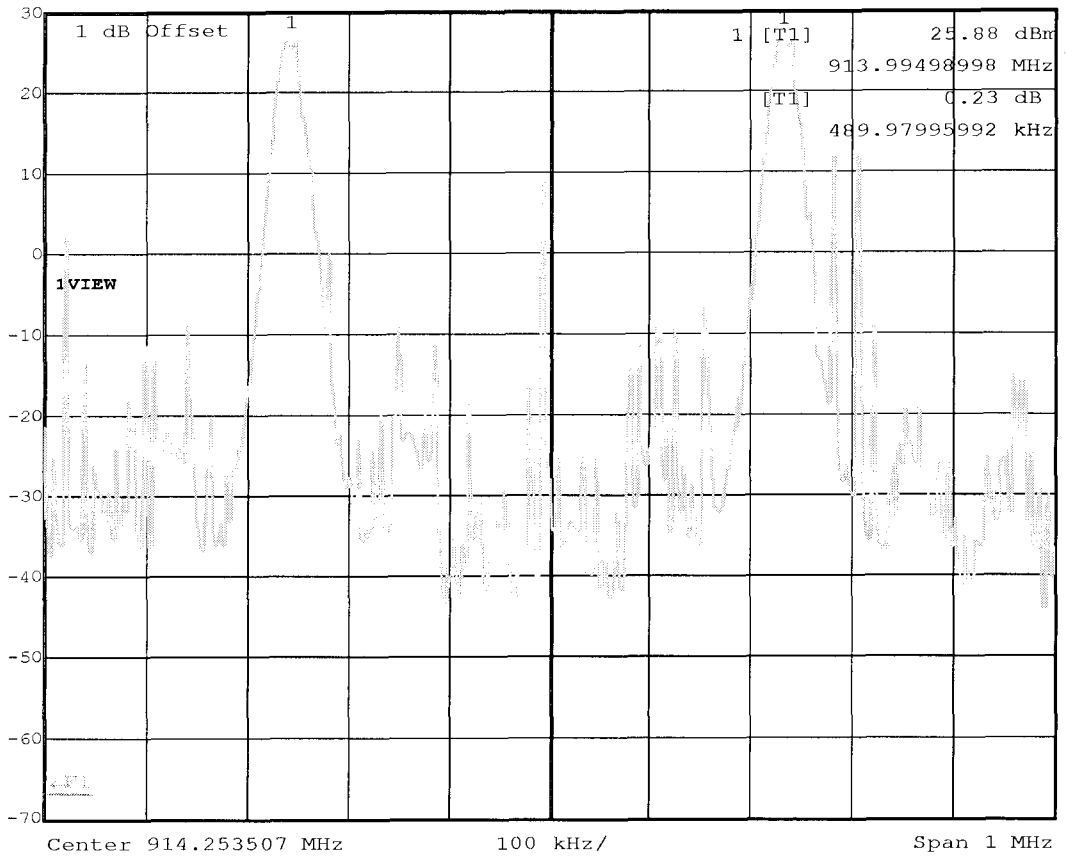


Appendix E

Carrier Frequency Separation



Delta 1 [T1] RBW 10 kHz RF Att 50 dB
 Ref Lvl 0.23 dB VBW 10 kHz
 30 dBm 300.000000 MHz SWT 25 ms Unit dBm



Title: Carrier Frequency separation Ch.: 25 - 26
 Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
 Date: 24.NOV.2005 15:04:16



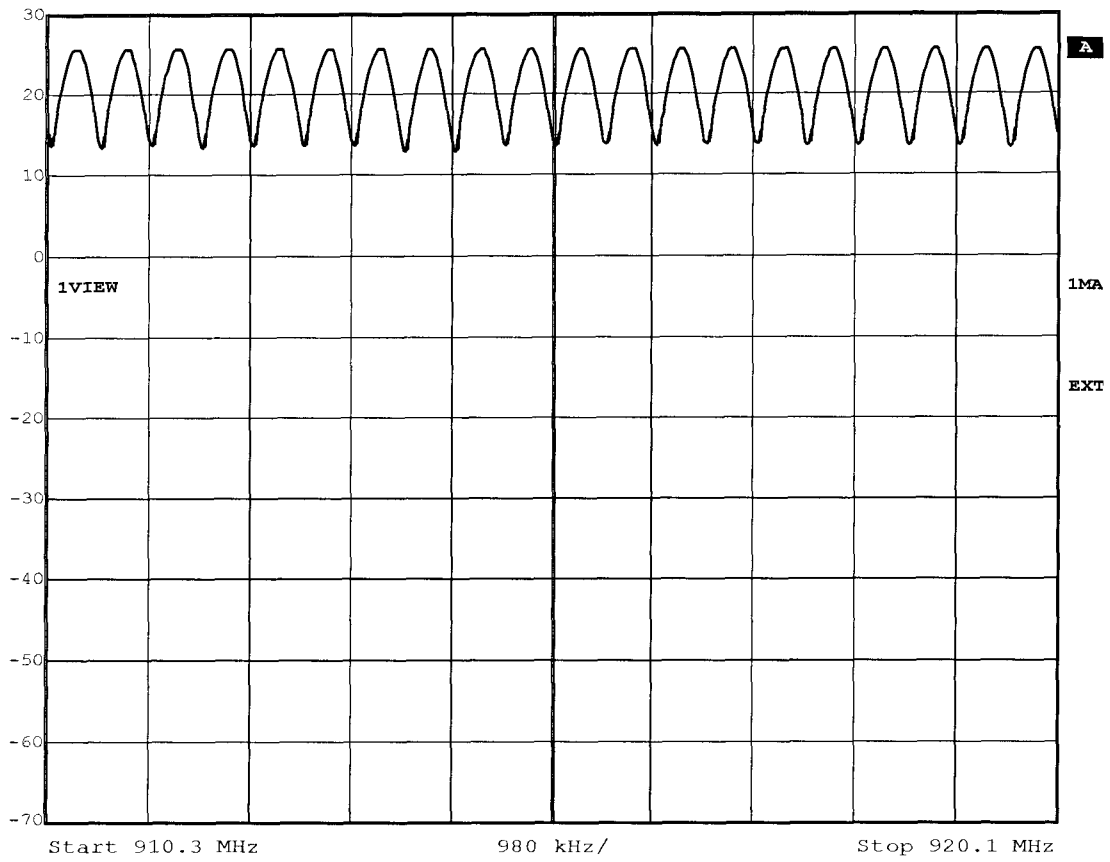
Appendix F

Number of Hopping Frequencies



Ref Lvl
30 dBm

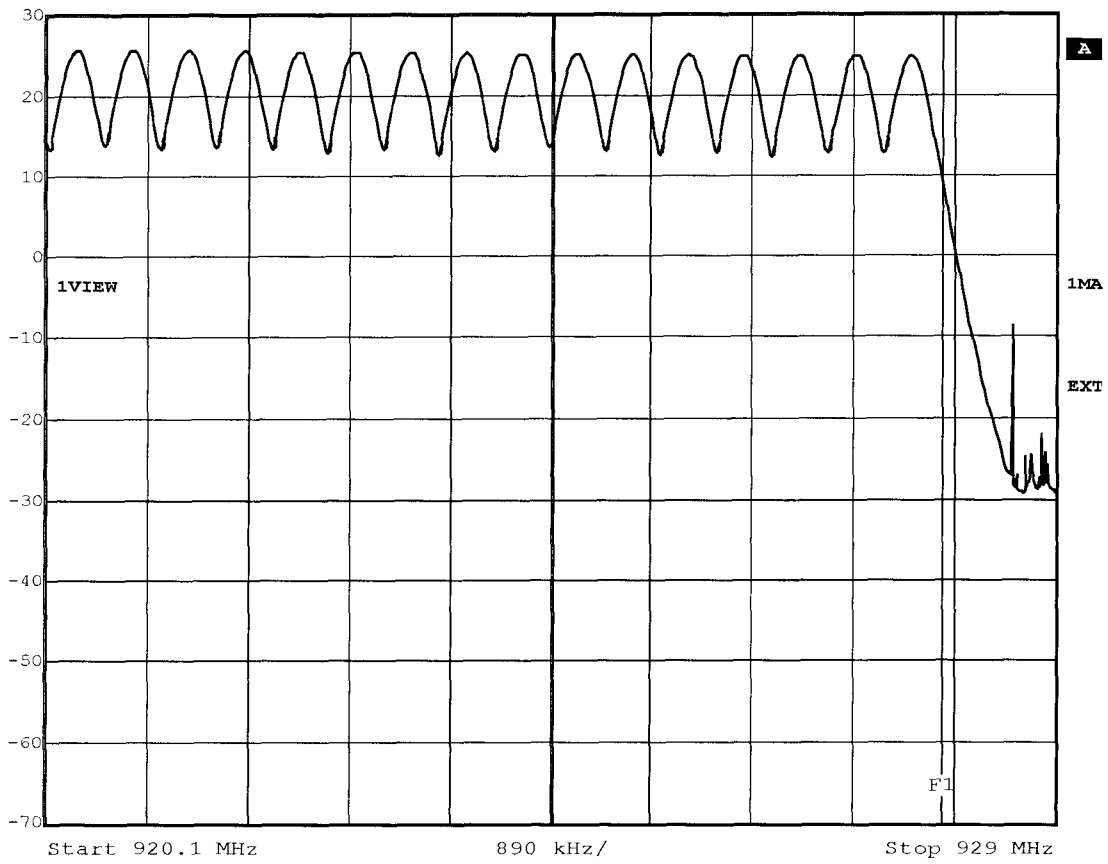
RBW 200 kHz RF Att 60 dB
VBW 200 kHz
SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 17 - 36
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 25.NOV.2005 10:02:36



Ref Lvl 30 dBm
RBW 200 kHz RF Att 60 dB
VBW 200 kHz
SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 37 - 52
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 25.NOV.2005 10:09:45

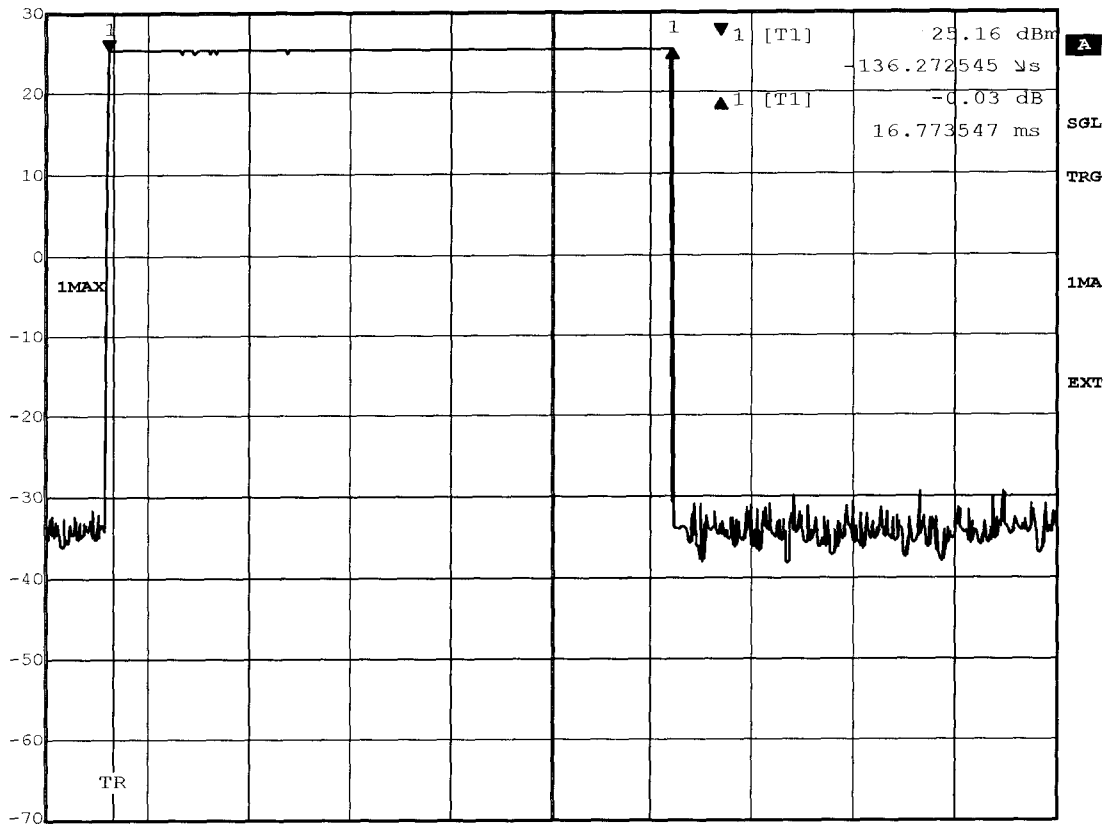


Appendix G

Time of Occupancy (Dwell Time)



Delta 1 [T1] RBW 100 kHz RF Att 60 dB
Ref Lvl -0.03 dB VBW 100 kHz
30 dBm 16.773547 ms SWT 30 ms Unit dBm

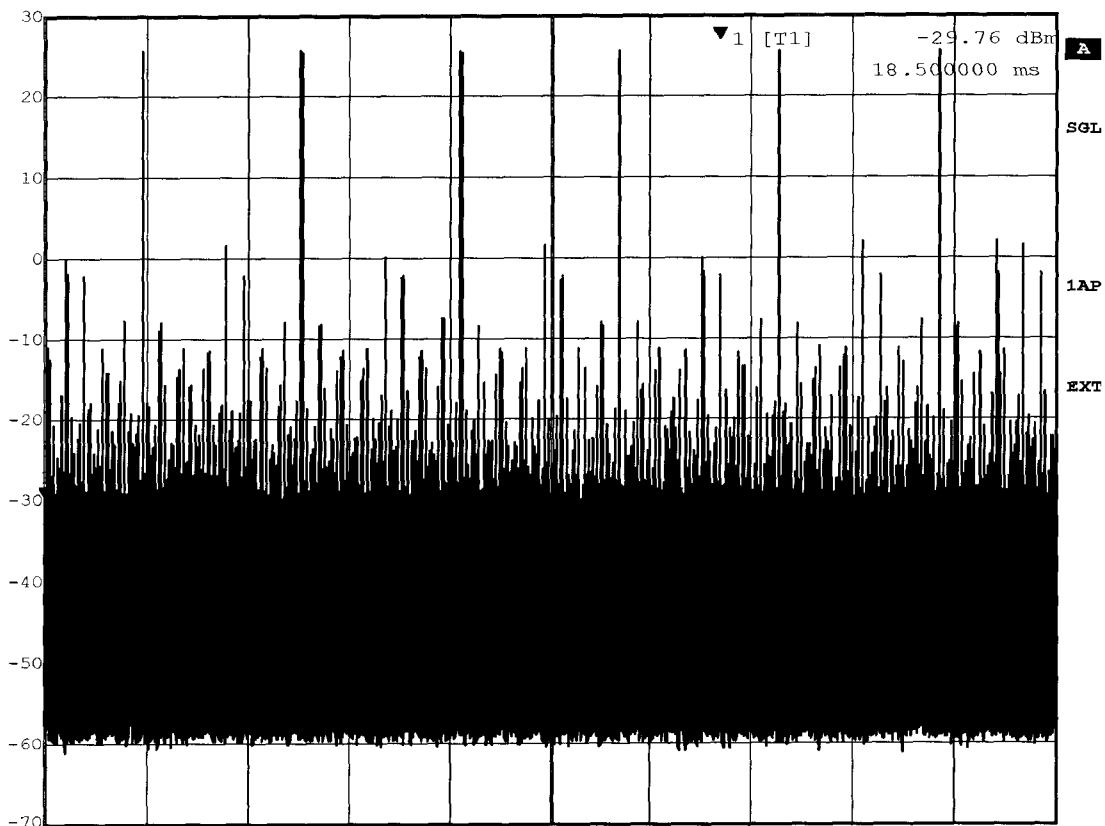


Center 914.974 MHz 3 ms/

Title: Duty Cycle periode
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 25.NOV.2005 10:36:53



Marker 1 [T1] RBW 100 kHz RF Att 60 dB
Ref Lvl -29.76 dBm VBW 100 kHz
30 dBm 18.500000 ms SWT 20 s Unit dBm



Center 914.974 MHz 2 s/

Title: Time of occupancy: 6 events * 16.773ms = 100.6 ms
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 25.NOV.2005 10:57:11

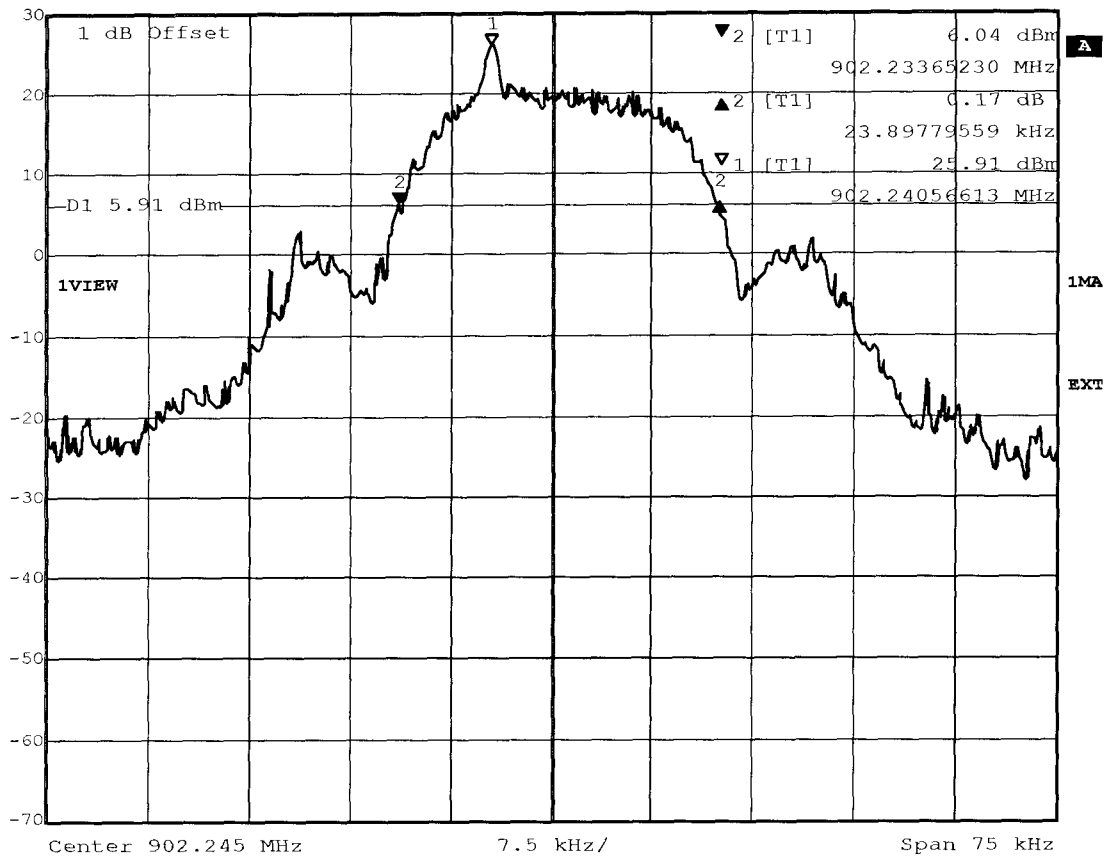


Appendix H

20dB Bandwidth



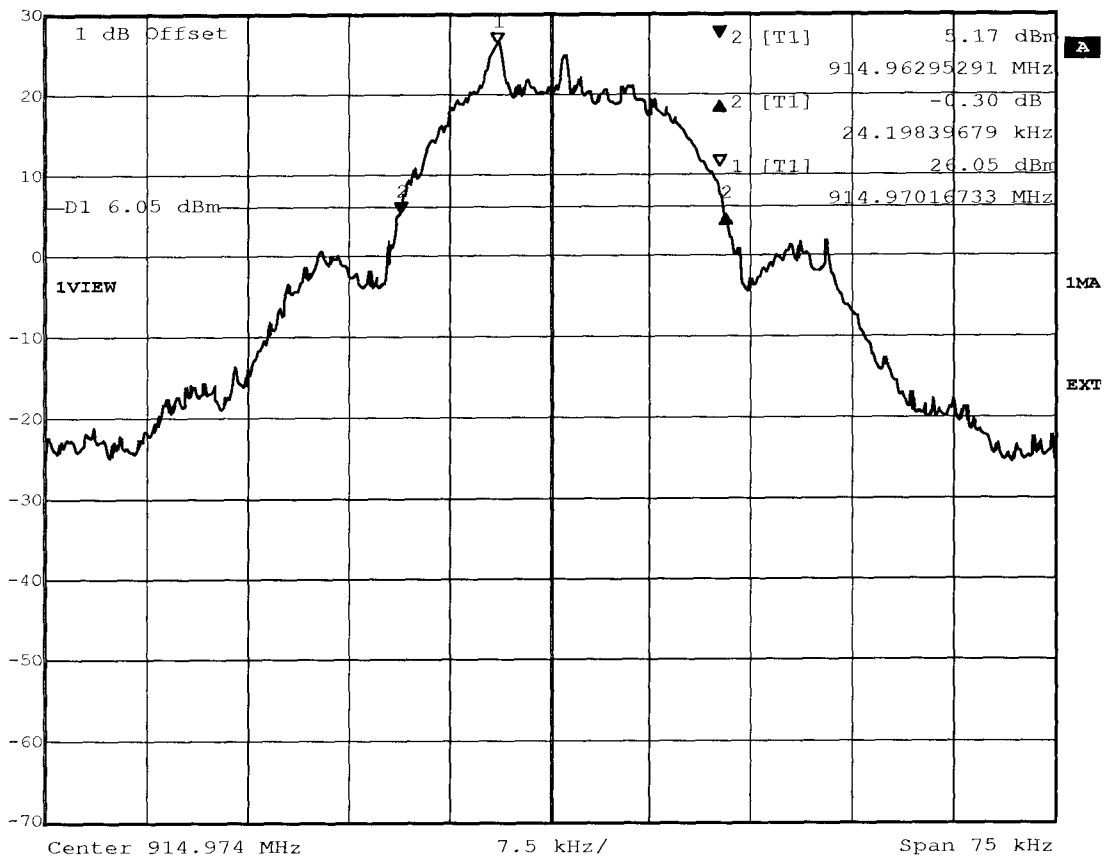
Delta 2 [T1] RBW 1 kHz RF Att 50 dB
Ref Lvl 0.17 dB VBW 1 kHz
30 dBm 23.89779559 kHz SWT 190 ms Unit dBm



Title: 20 dB Bandwidth Ch.: 0
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 13:32:28



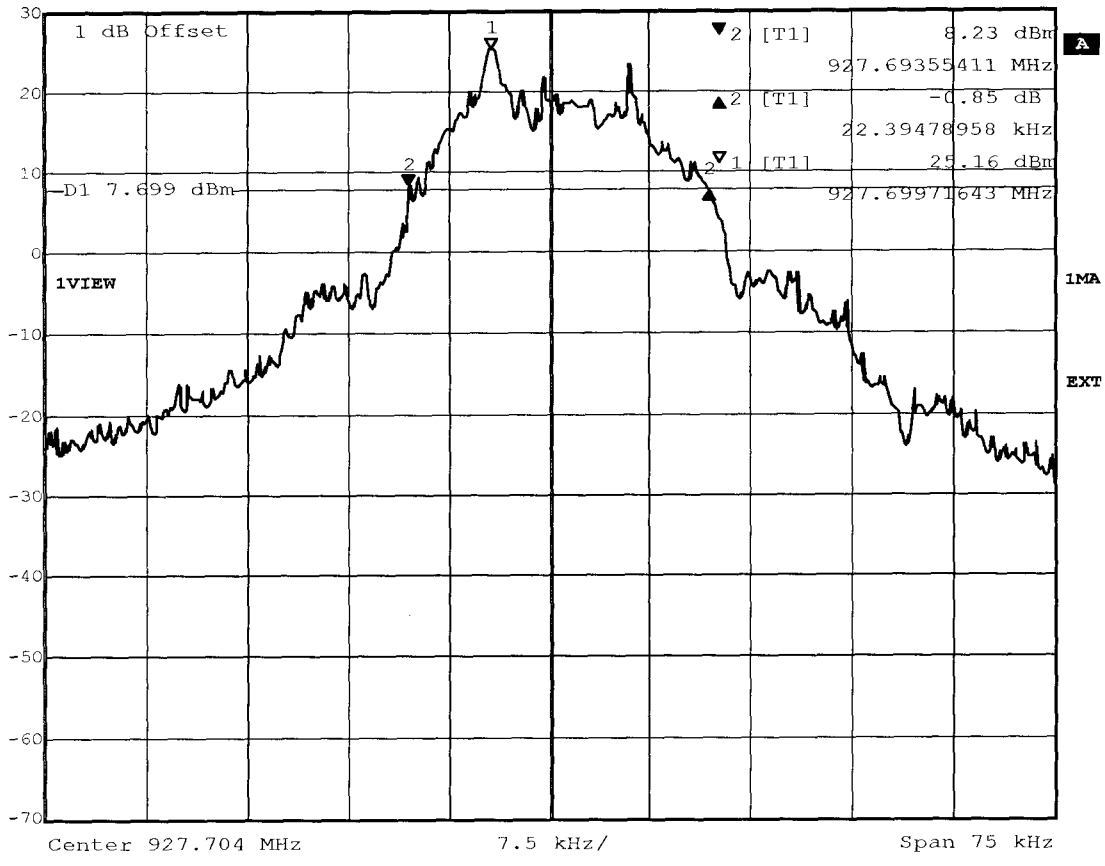
Delta 2 [T1] RBW 1 kHz RF Att 50 dB
Ref Lvl -0.30 dB VBW 1 kHz
30 dBm 24.19839679 kHz SWT 190 ms Unit dBm



Title: 20 dB Bandwidth Ch.: 26
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 13:19:19



Delta 2 [T1] RBW 1 kHz RF Att 50 dB
Ref Lvl -0.85 dB VBW 1 kHz
30 dBm 22.39478958 kHz SWT 190 ms Unit dBm



Title: 20 dB Bandwidth Ch.: 52
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 10:14:19

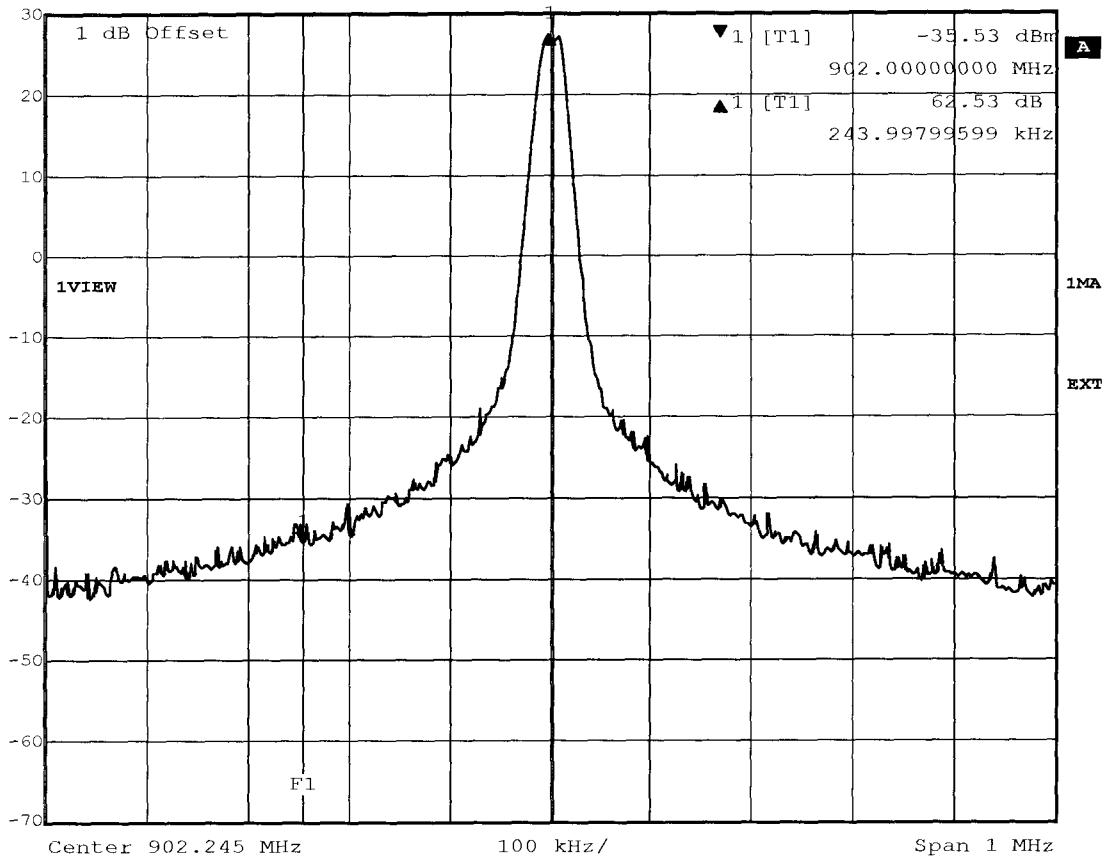


Appendix I

Band-edge Compliance of RF Emissions



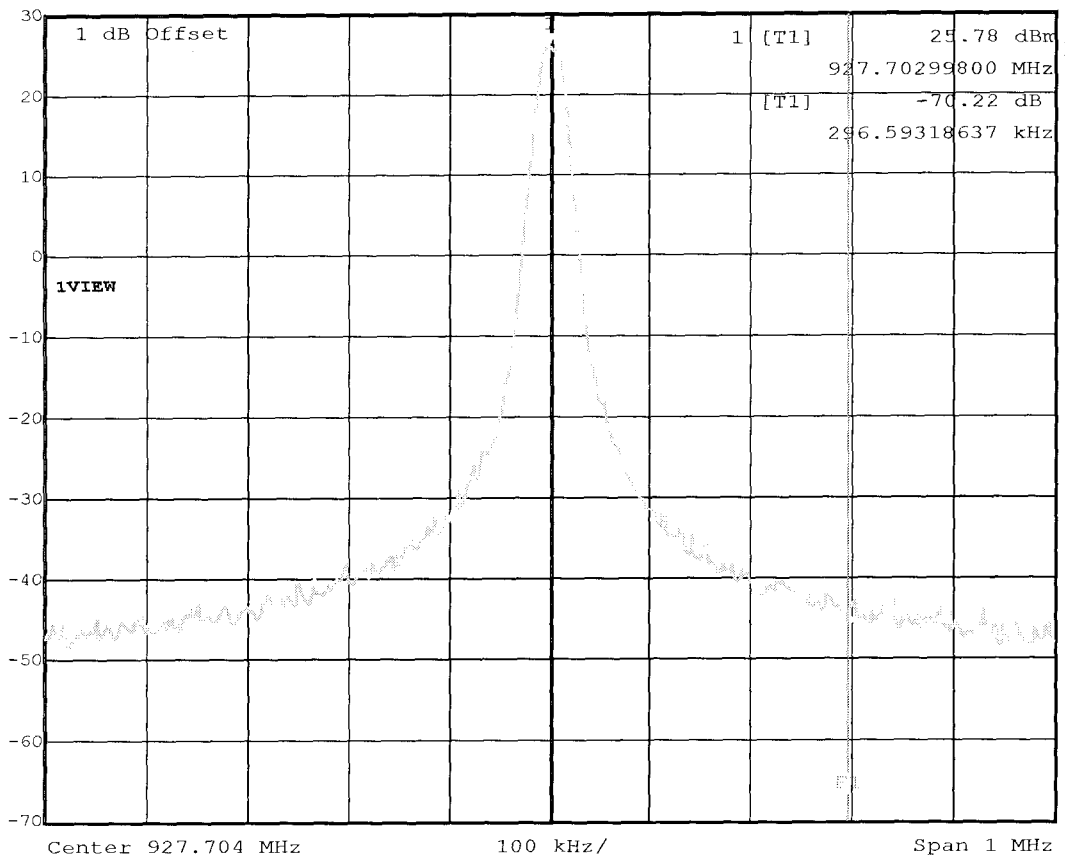
Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl 62.53 dB VBW 10 kHz
30 dBm 243.99799599 kHz SWT 25 ms Unit dBm



Title: Band - edge compliance Ch.: 0
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 14:10:38



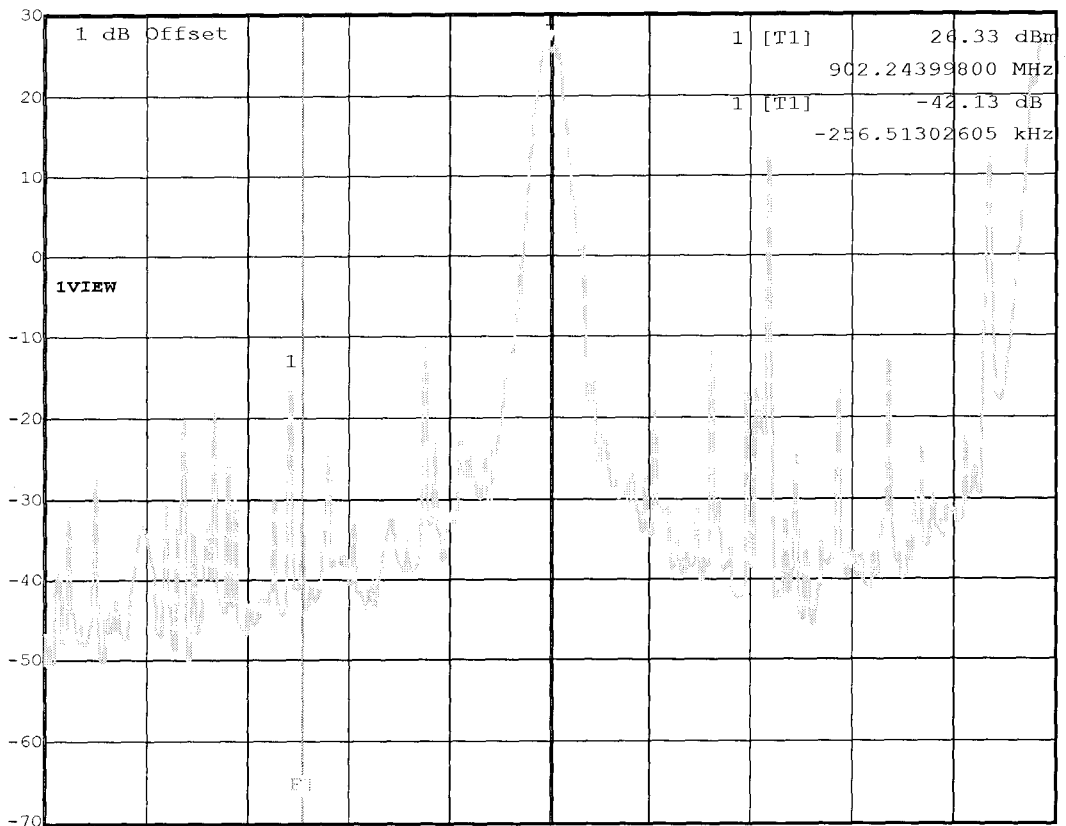
Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -70.22 dB VBW 10 kHz
30 dBm 296.59318637 kHz SWT 25 ms Unit dBm



Title: Band - edge compliance single Ch.: 52
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 14:27:26



Marker 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl 26.33 dBm VBW 10 kHz
30 dBm 902.24399800 MHz SWT 25 ms Unit dBm

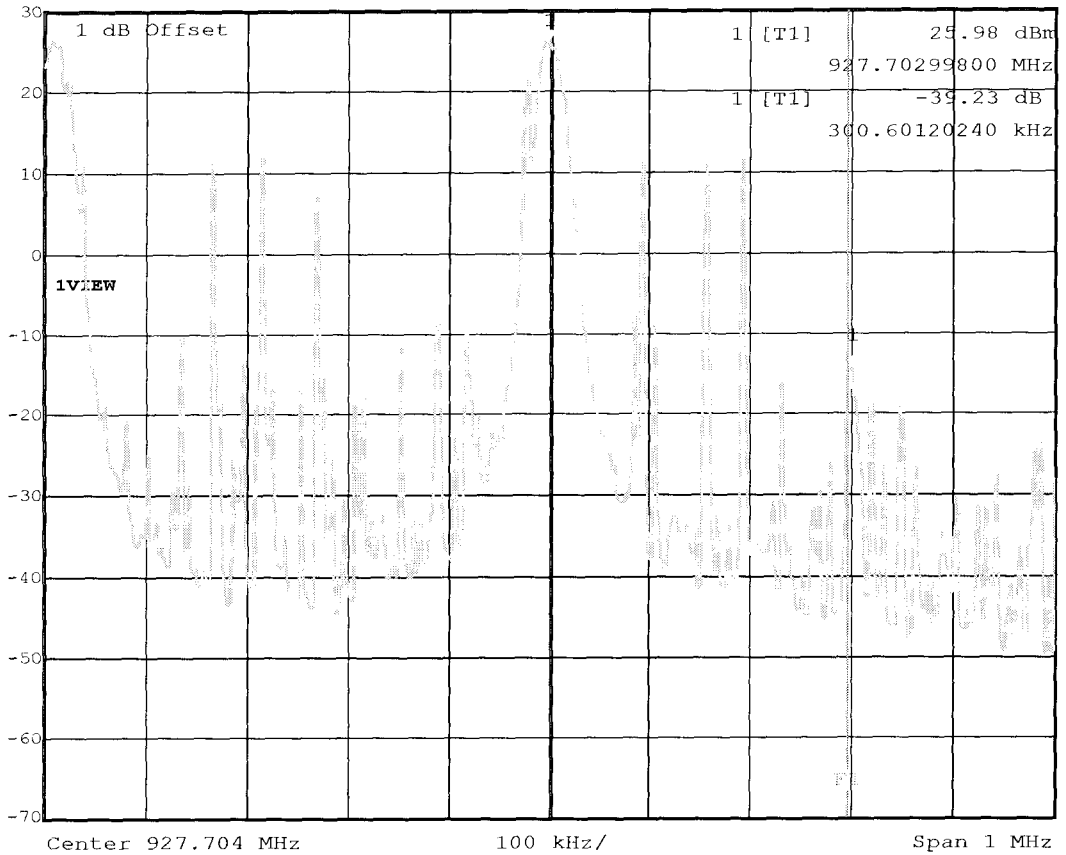


Center 902.245 MHz 100 kHz/ Span 1 MHz

Title: Band - edge compliance hopping mode Ch.: 0
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 14:51:36



Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -39.23 dB VBW 10 kHz
30 dBm 300.60120240 kHz SWT 25 ms Unit dBm



Title: Band - edge compliance hopping mode Ch.: 52
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 14:45:54

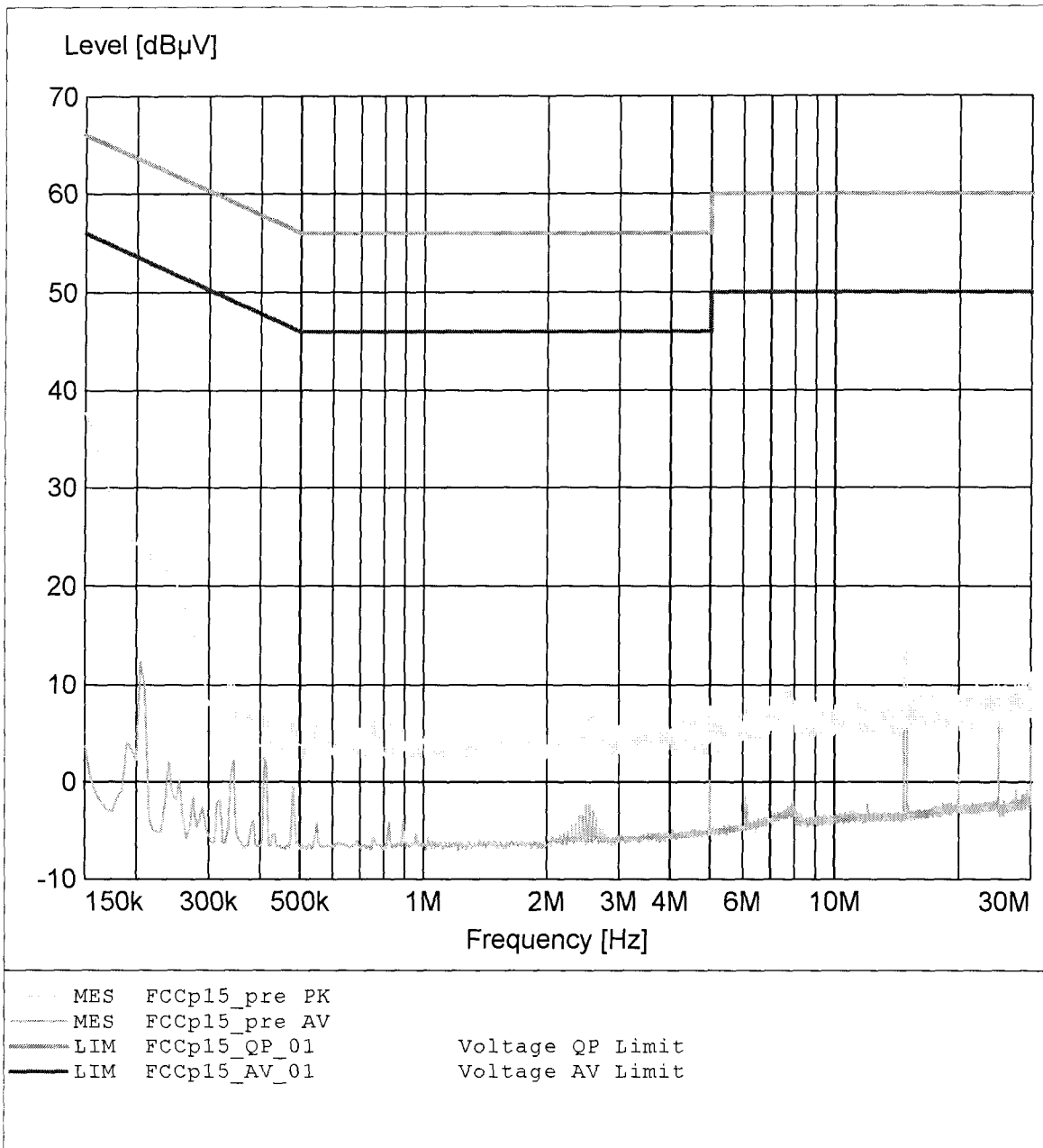


Appendix J

Conducted Measurement at (AC) Power Line

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

EUT: LRR-Module 915 MHz USA
 Manufacturer: MSA AUER GmbH
 Operating Condition: Unom: 120VAC (AC/DC adaptor), Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Marquardt
 Test Specification: V-Network: ESH2-Z5 (L1)
 Comment: model: non EX
 Adaptor: RadioShack CAT.NO. 273-1761



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

EUT: LRR-Module 915 MHz USA
 Manufacturer: MSA AUER GmbH
 Operating Condition: Unom: 120VAC (AC/DC adaptor), Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Marquardt
 Test Specification: V-Network: ESH2-Z5 (N)
 Comment: model: non EX
 Adaptor: RadioShack CAT.NO. 273-1761

