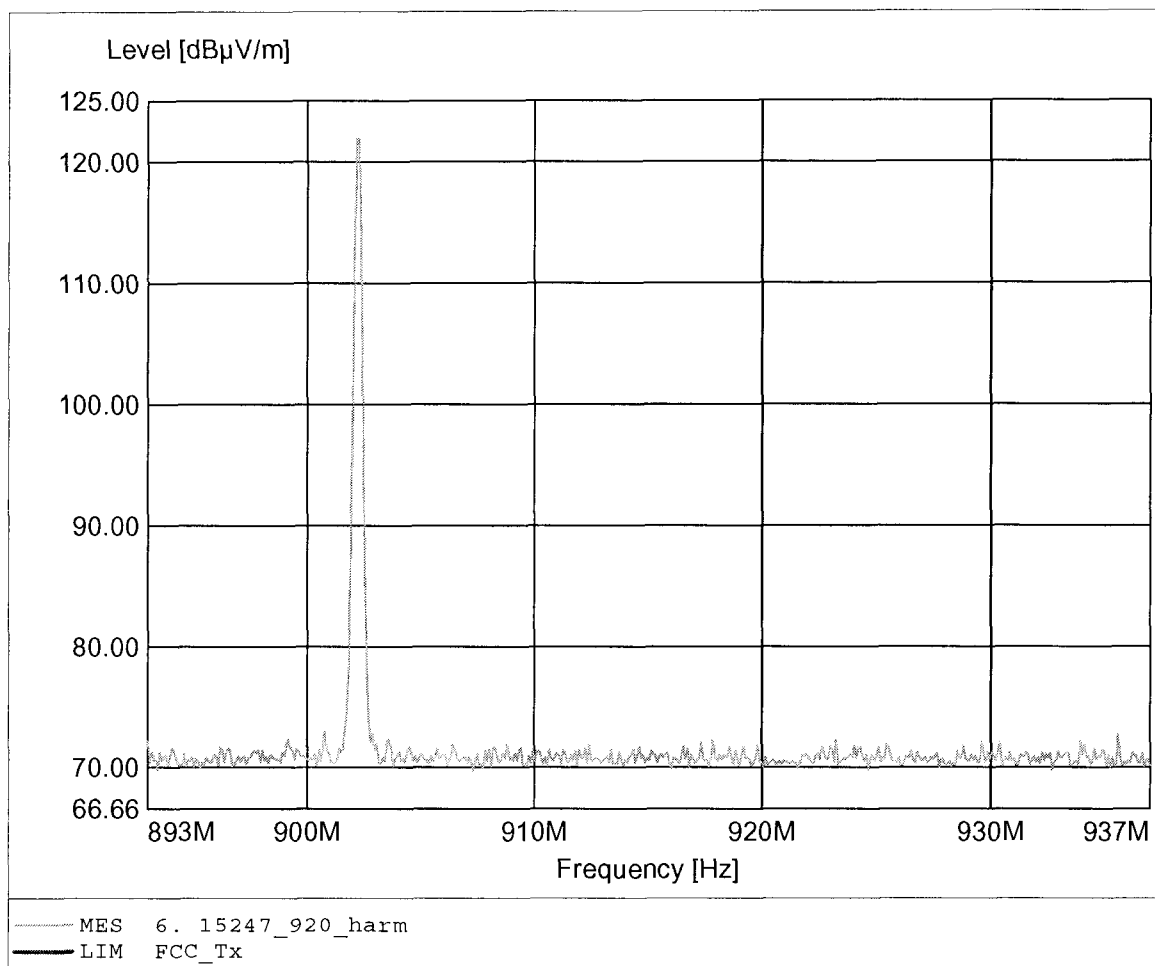


Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

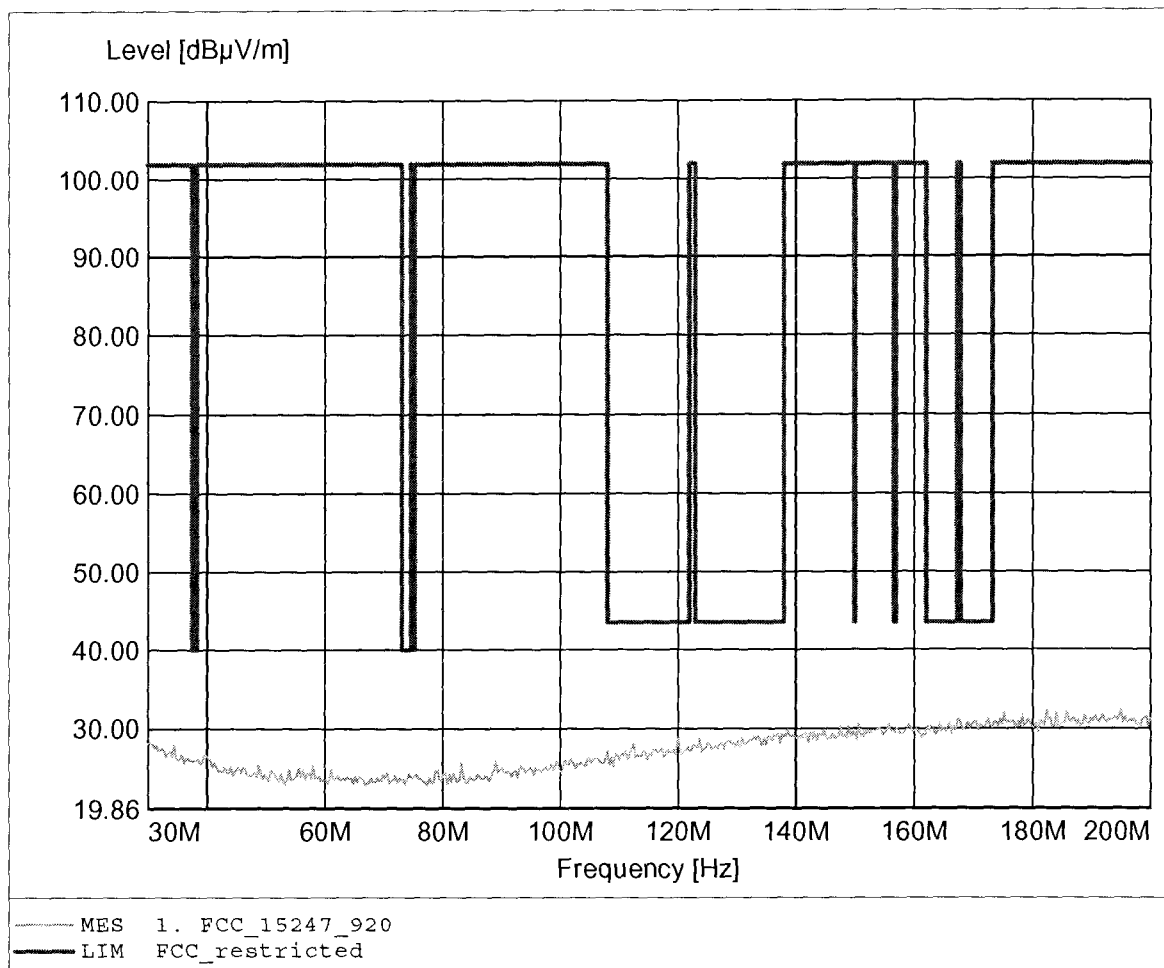
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 902.170MHz, Emax: 121.93dBµV/m,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

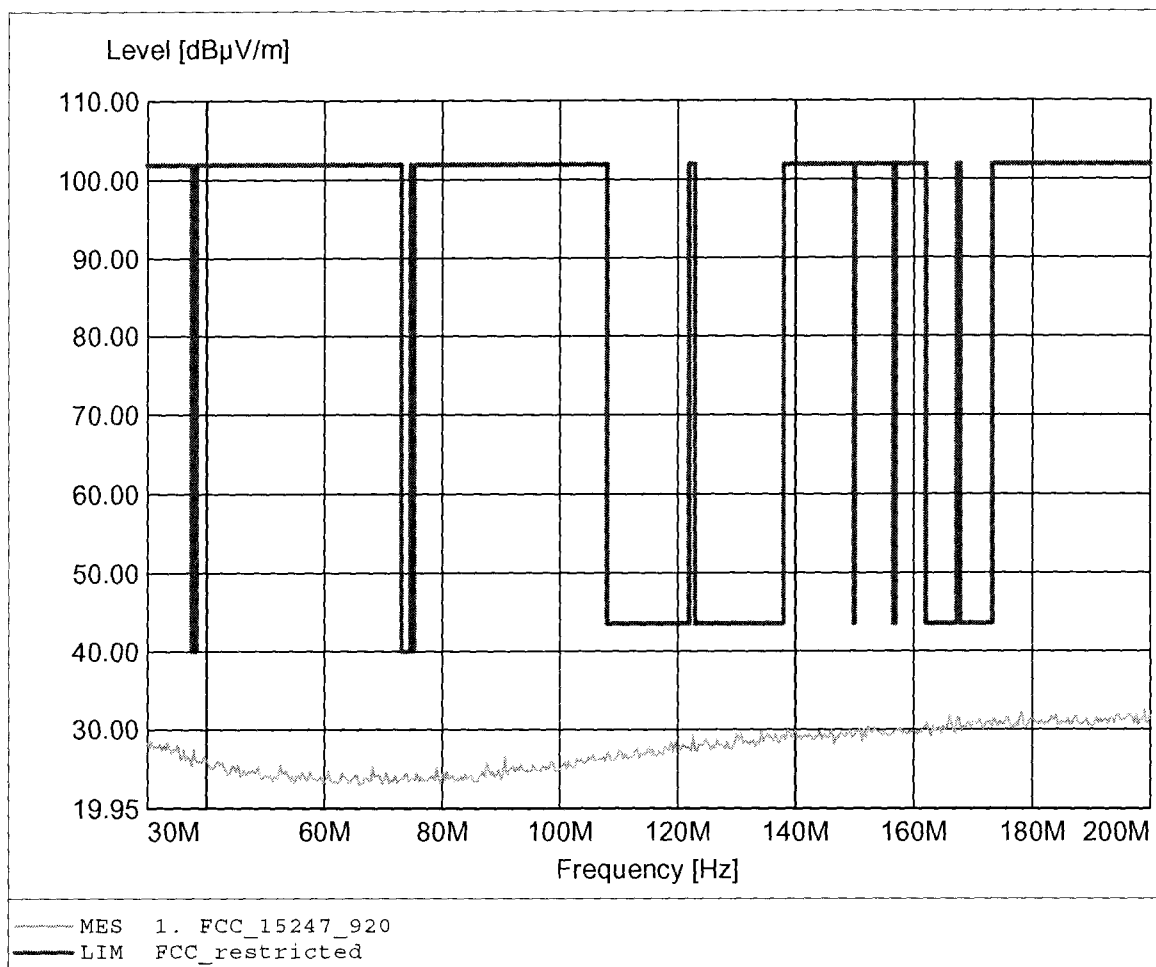
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 194.890MHz, Emax: 32.43dBµV/m,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

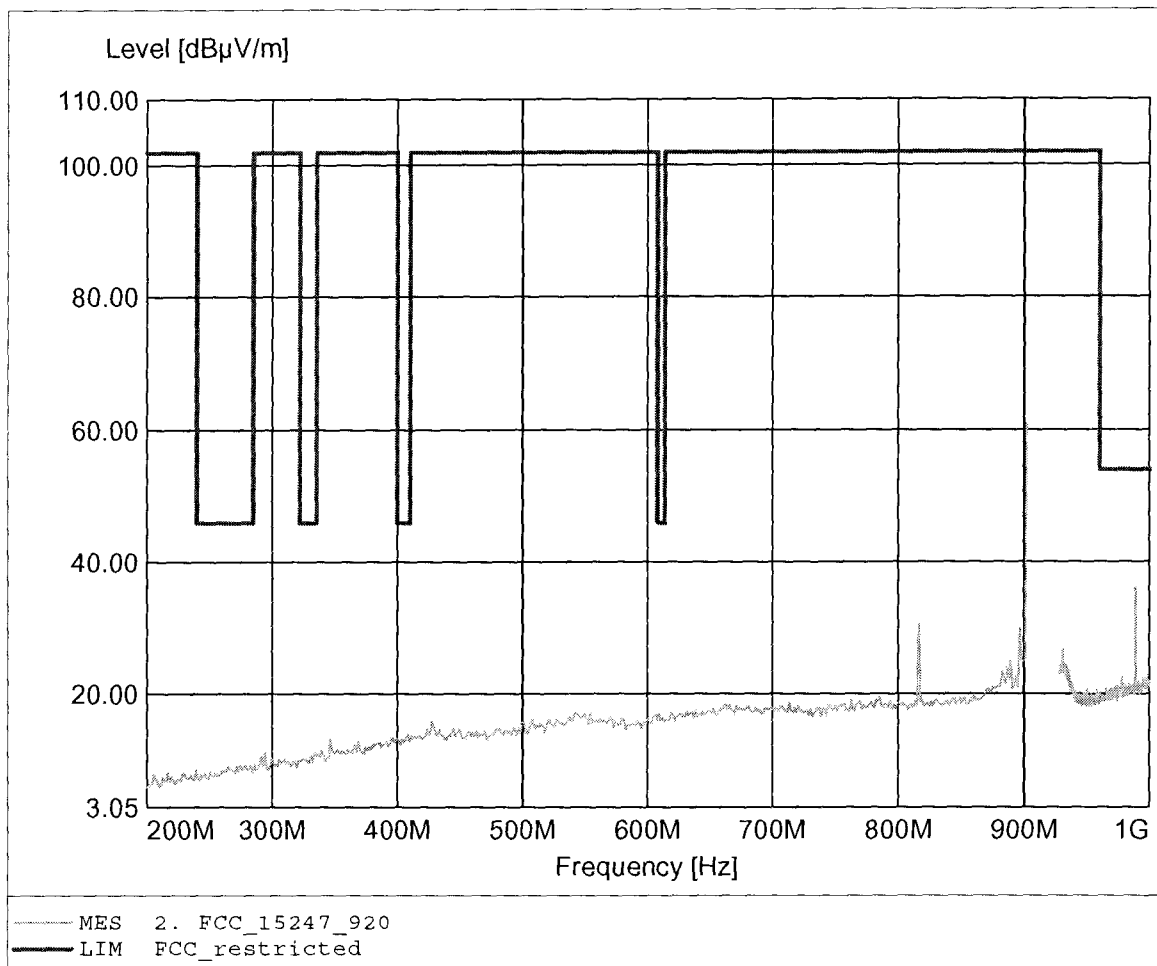
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Emax: 32.40dBµV/m,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

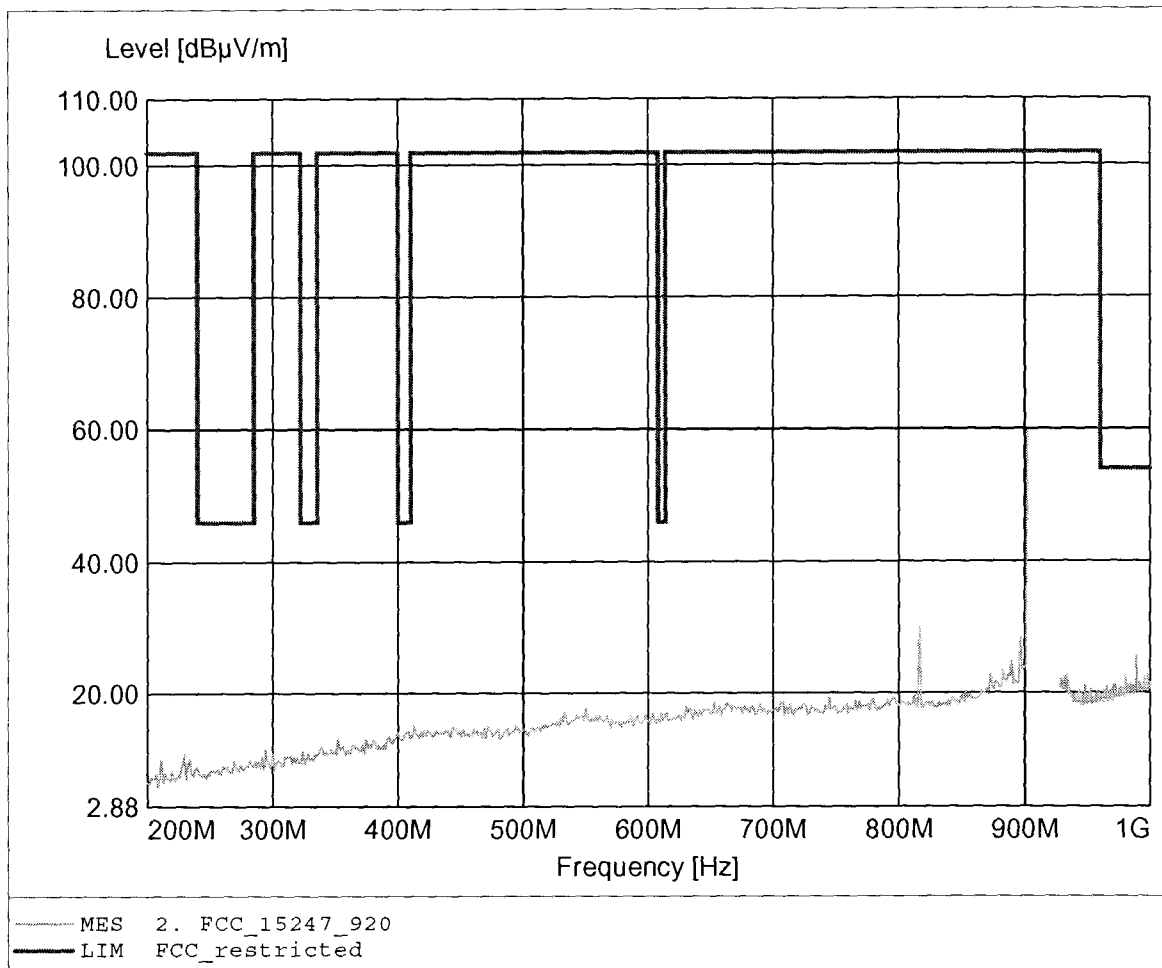
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 902.000MHz, Emax: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

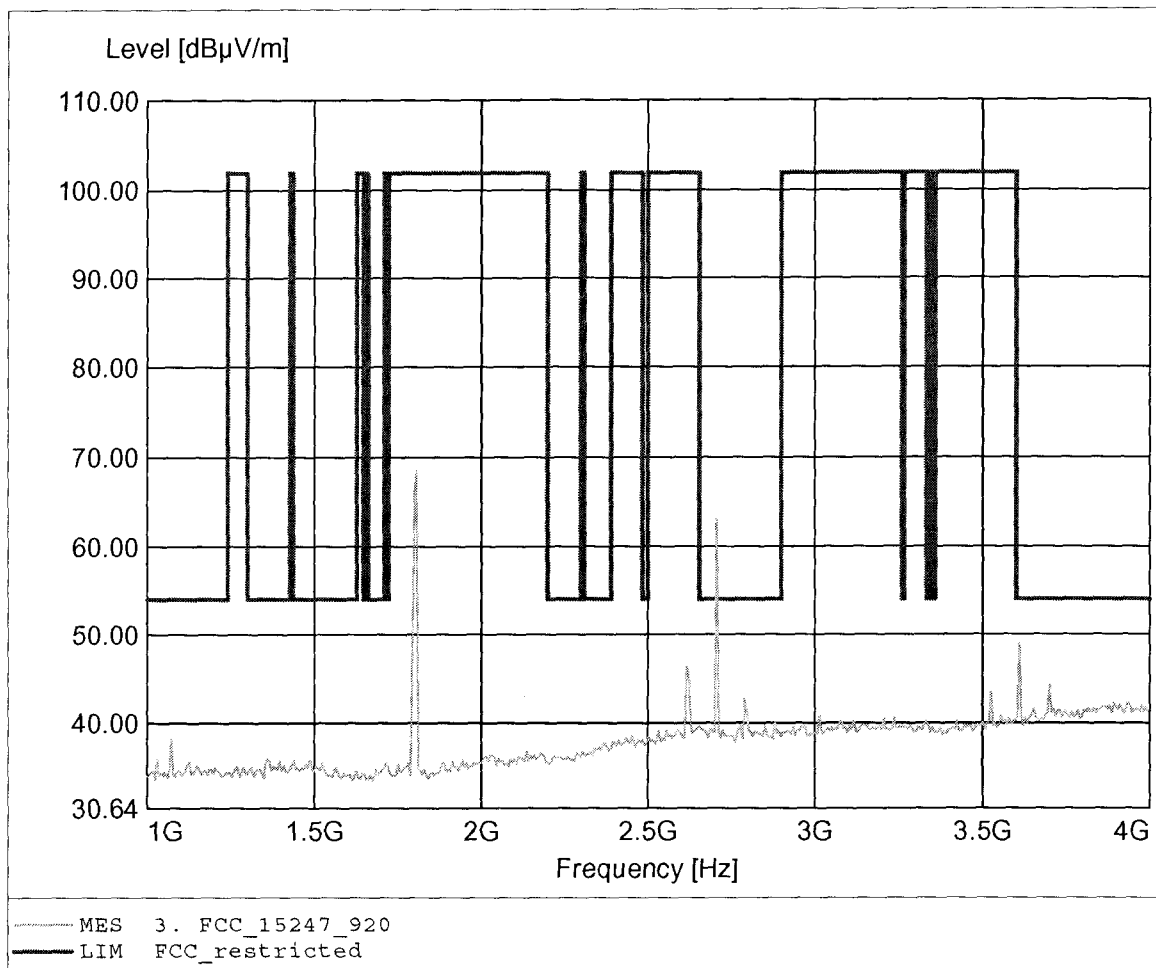
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 902.000MHz, Emax: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

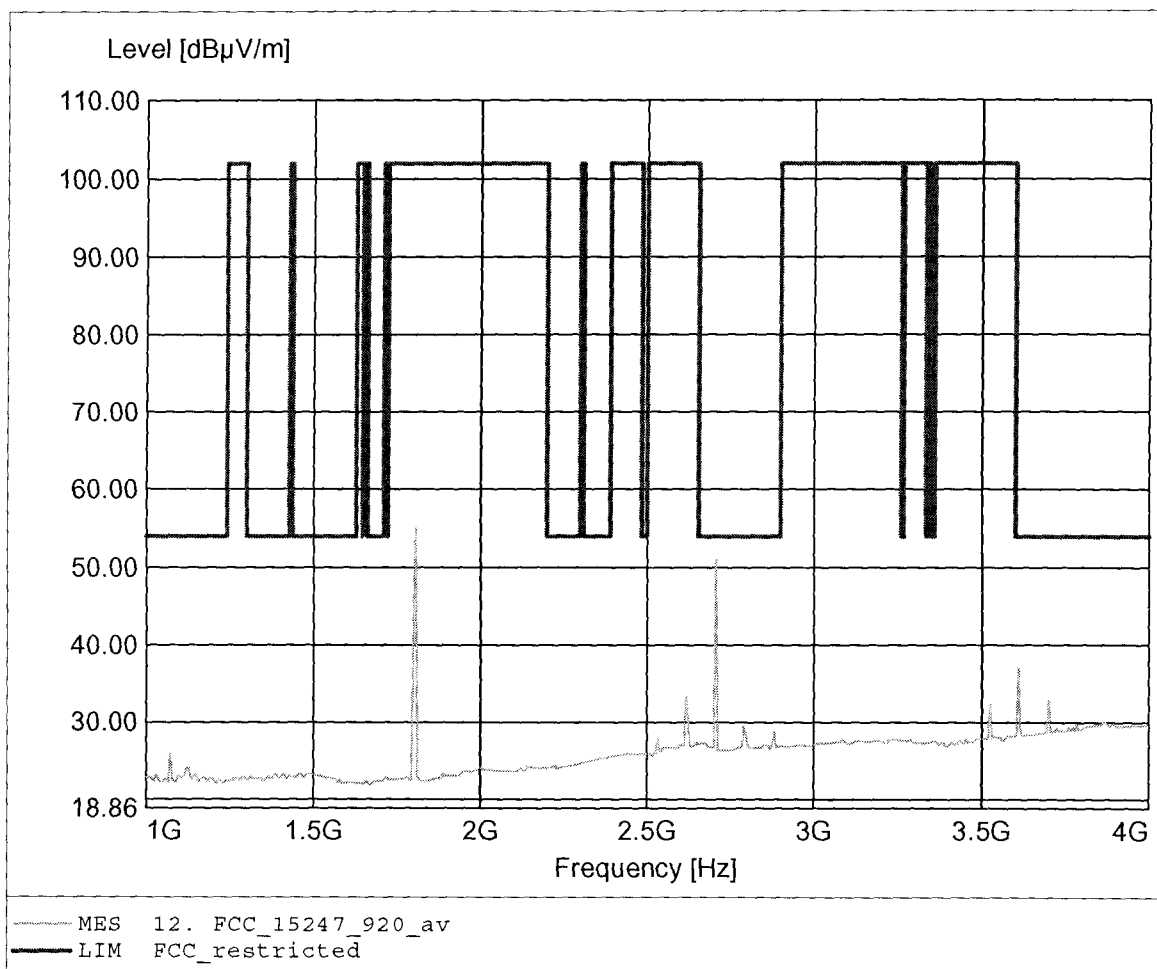
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

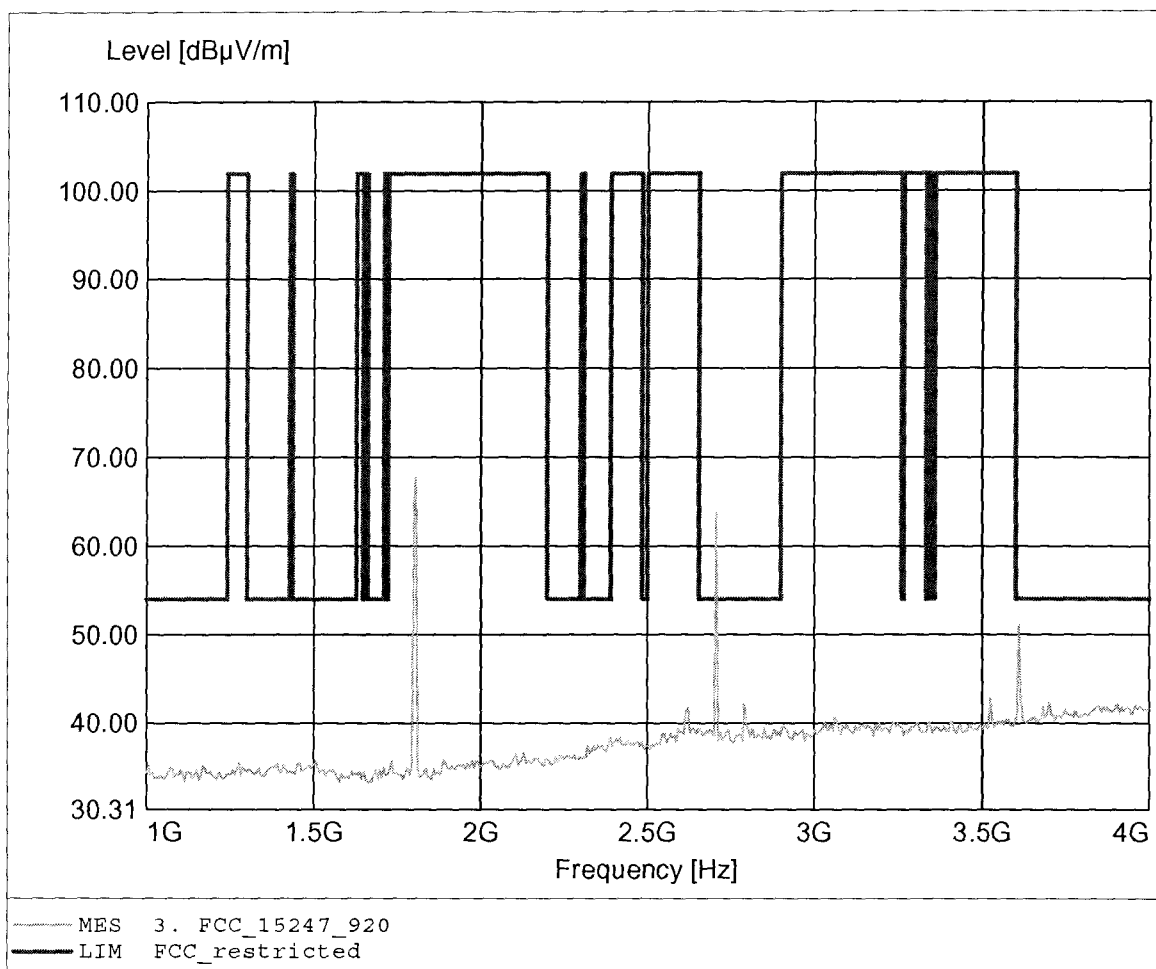
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

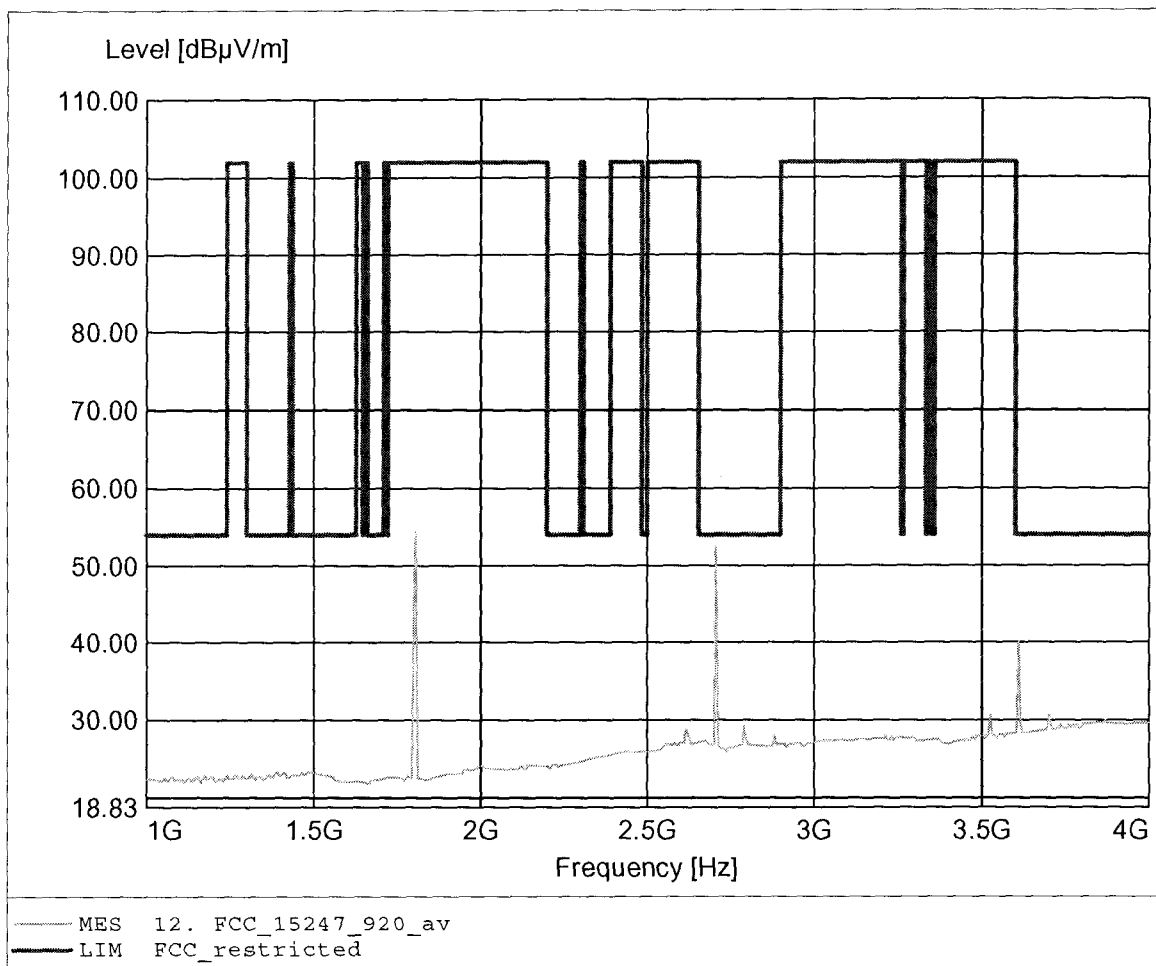
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

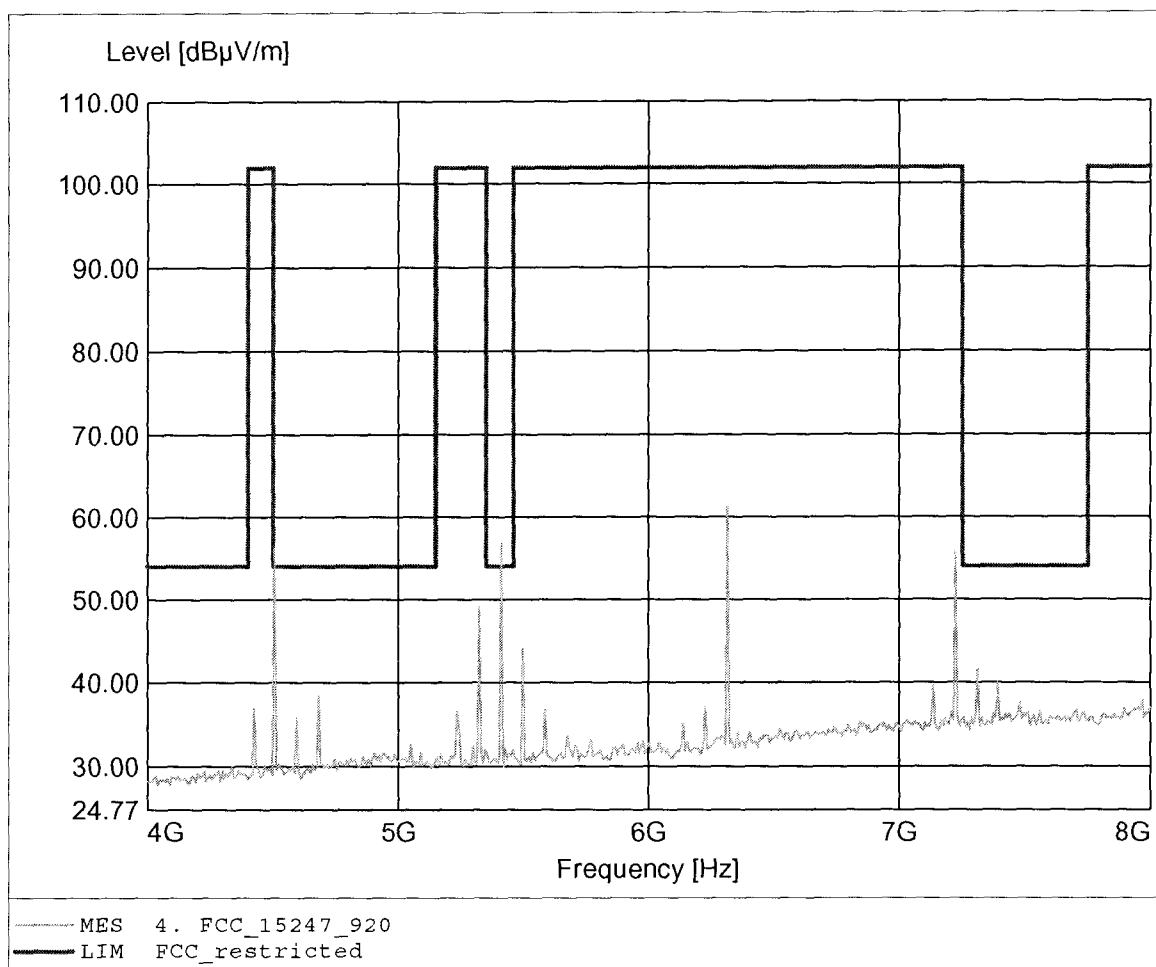
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

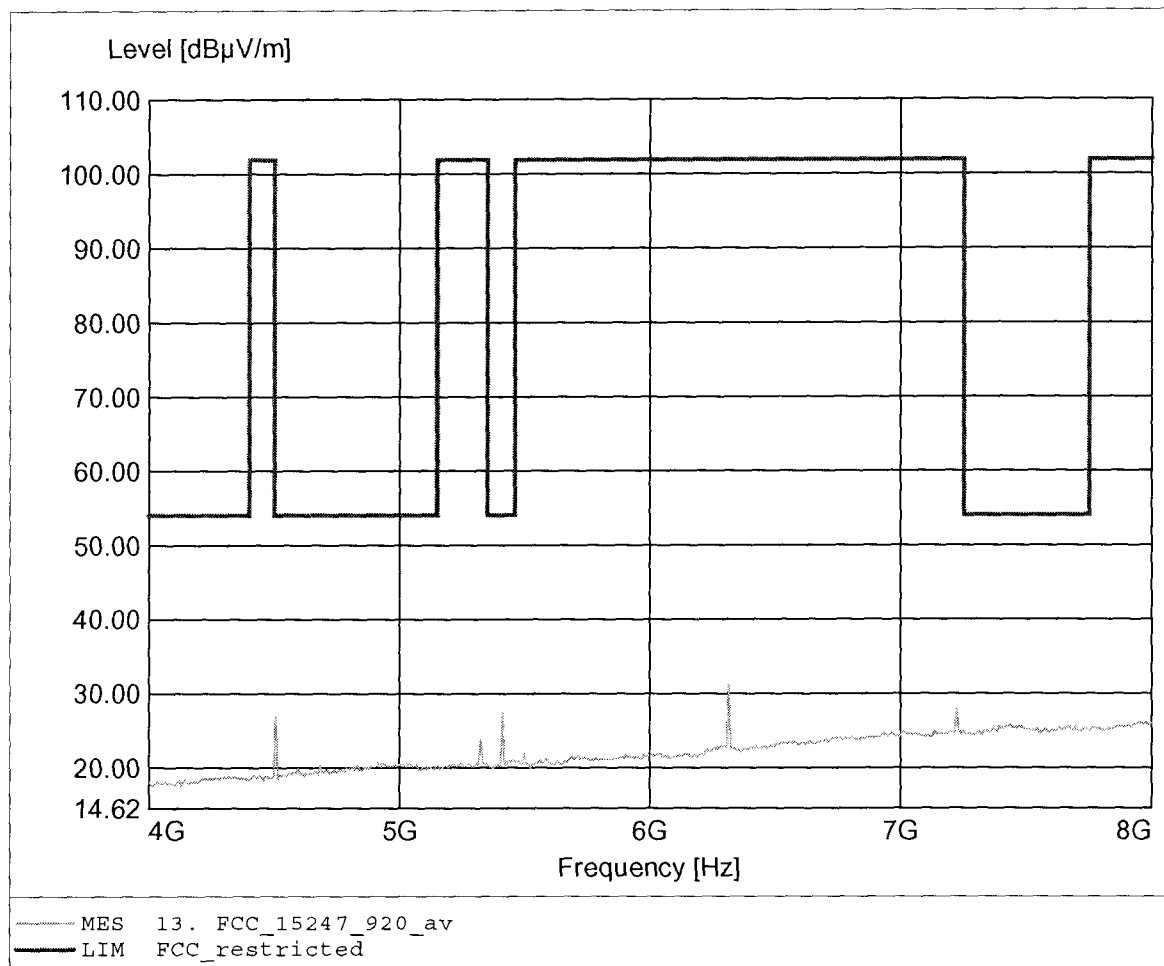
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

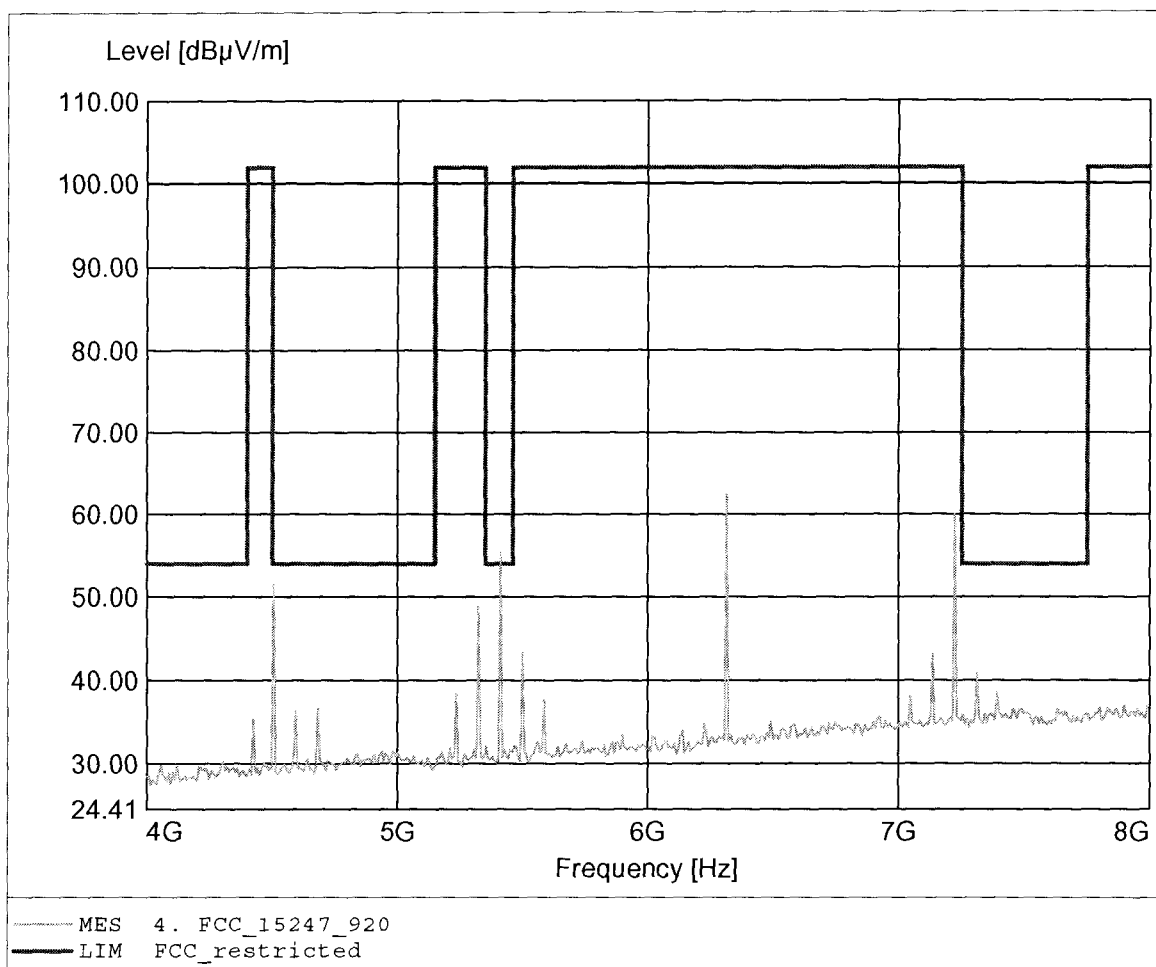
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

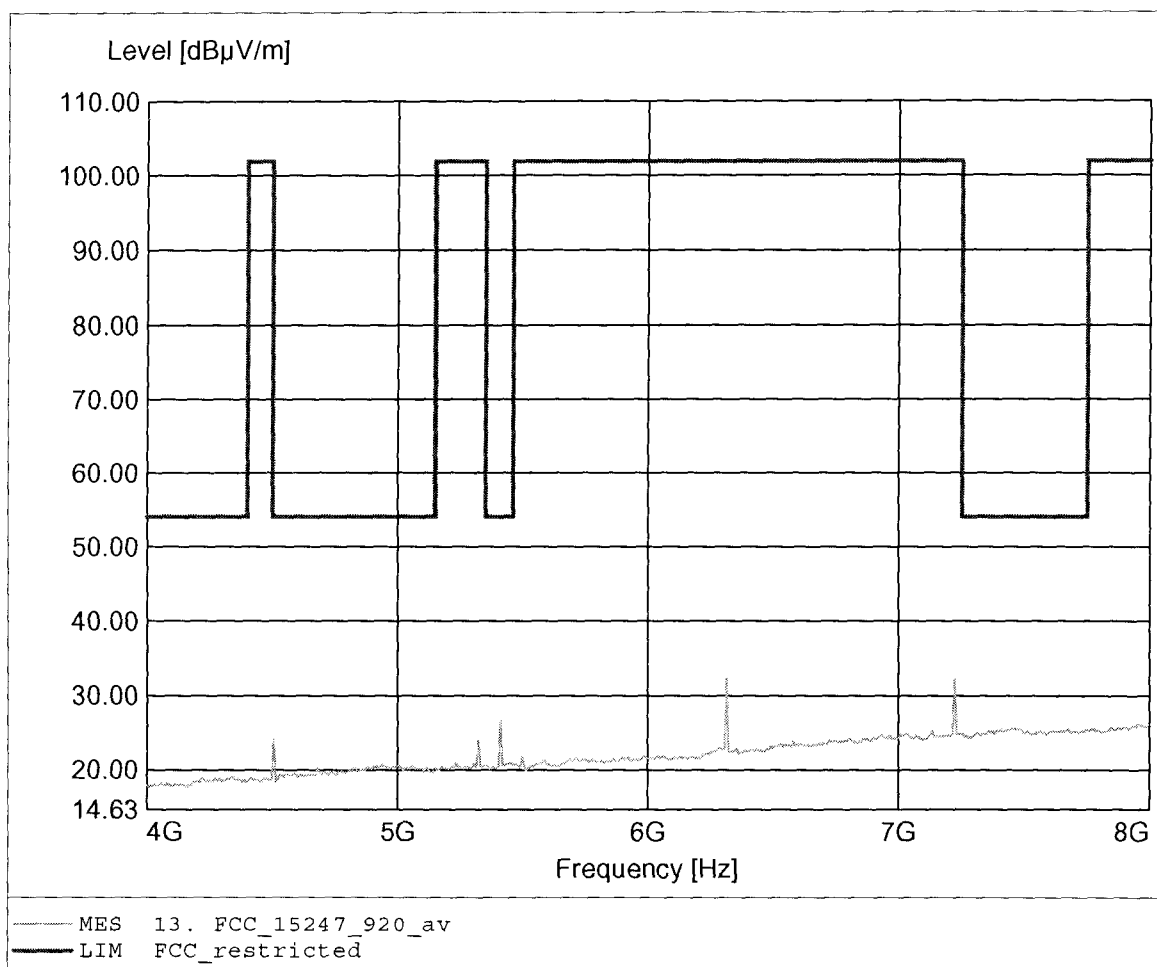
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

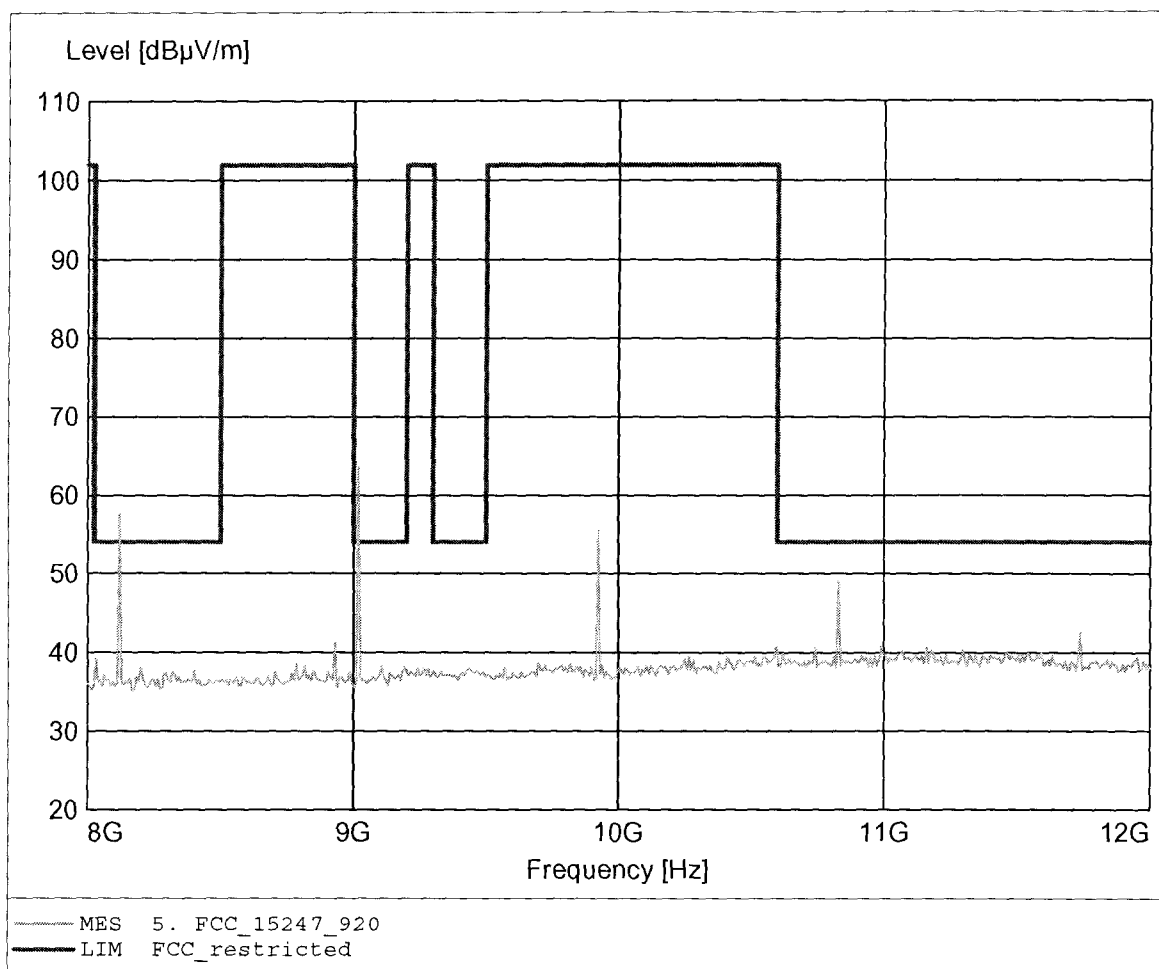
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

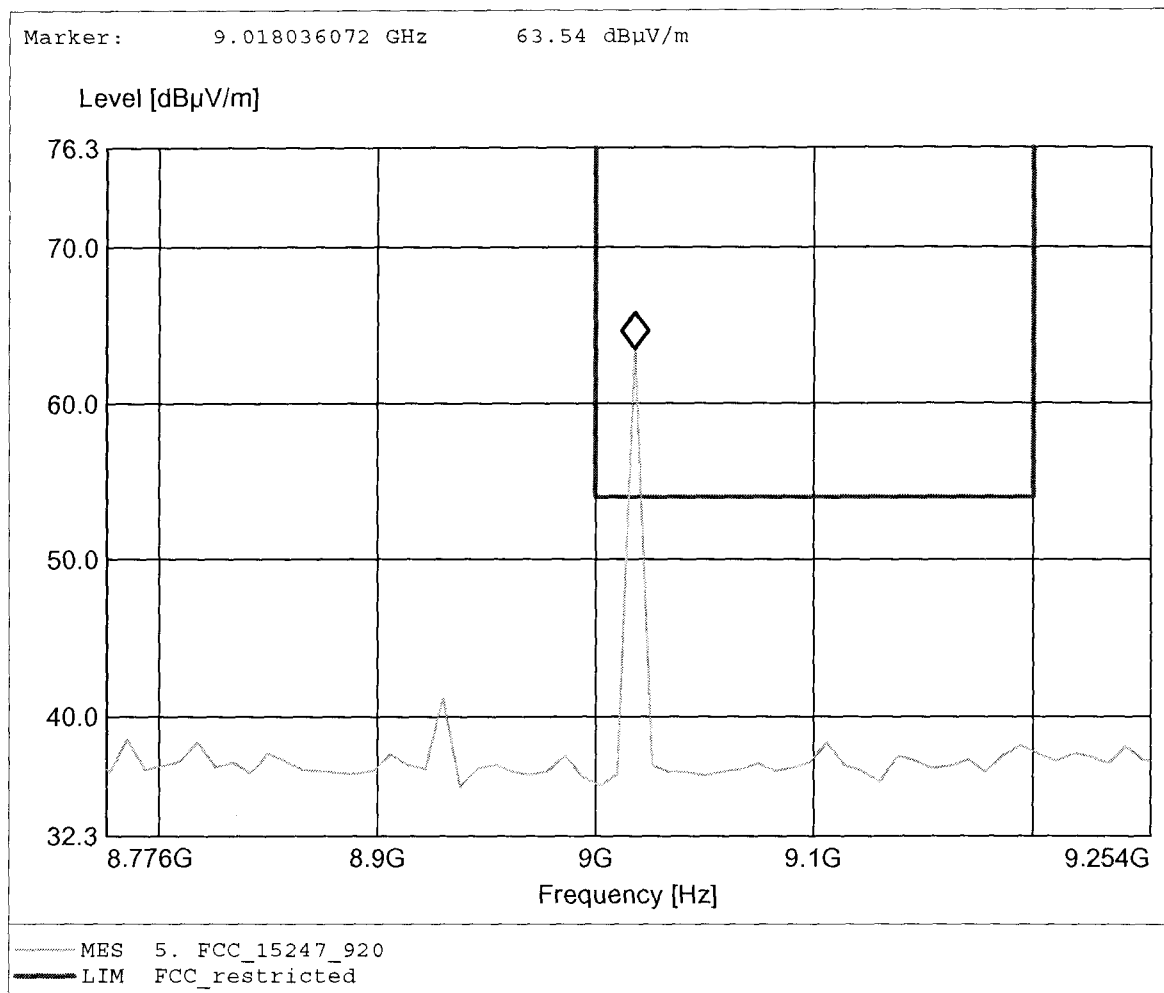
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

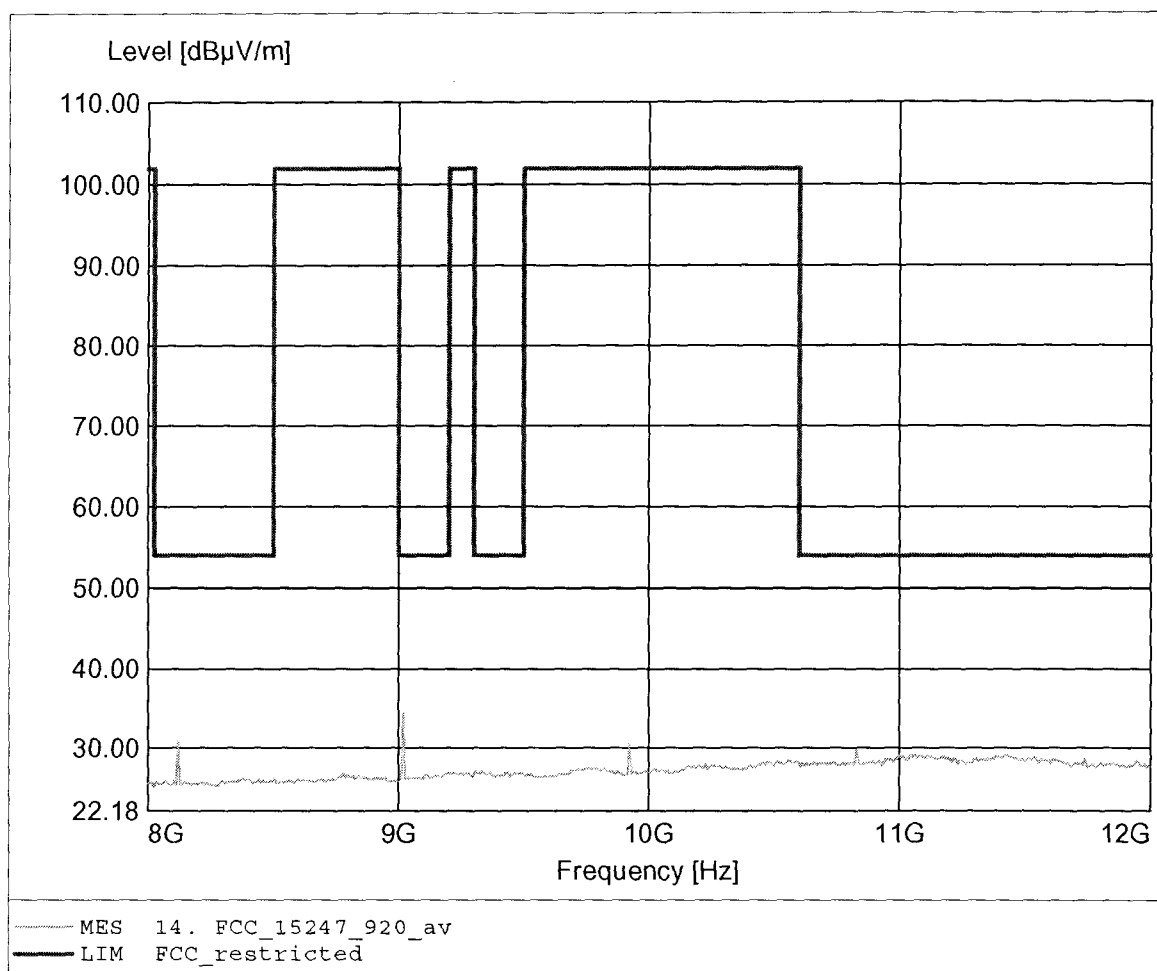
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

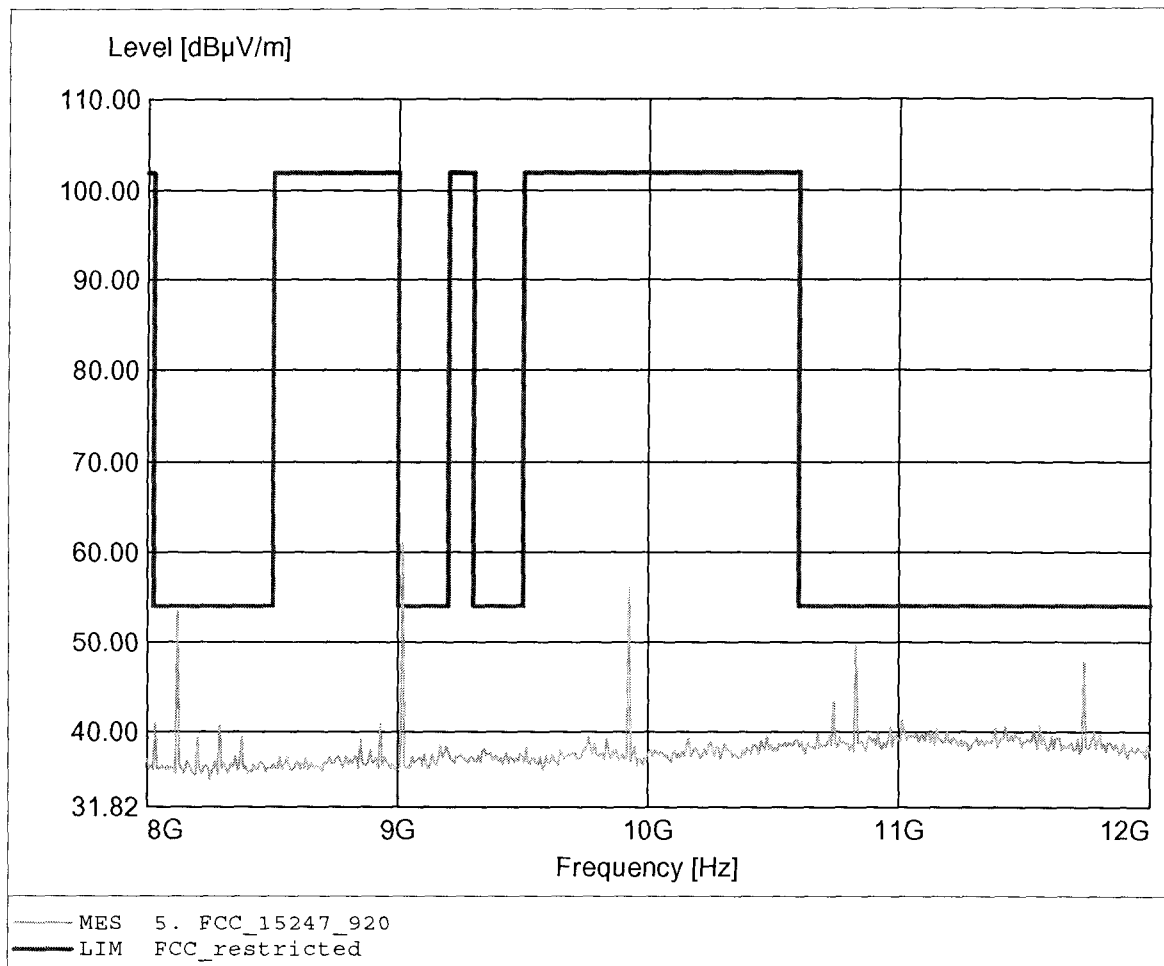
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

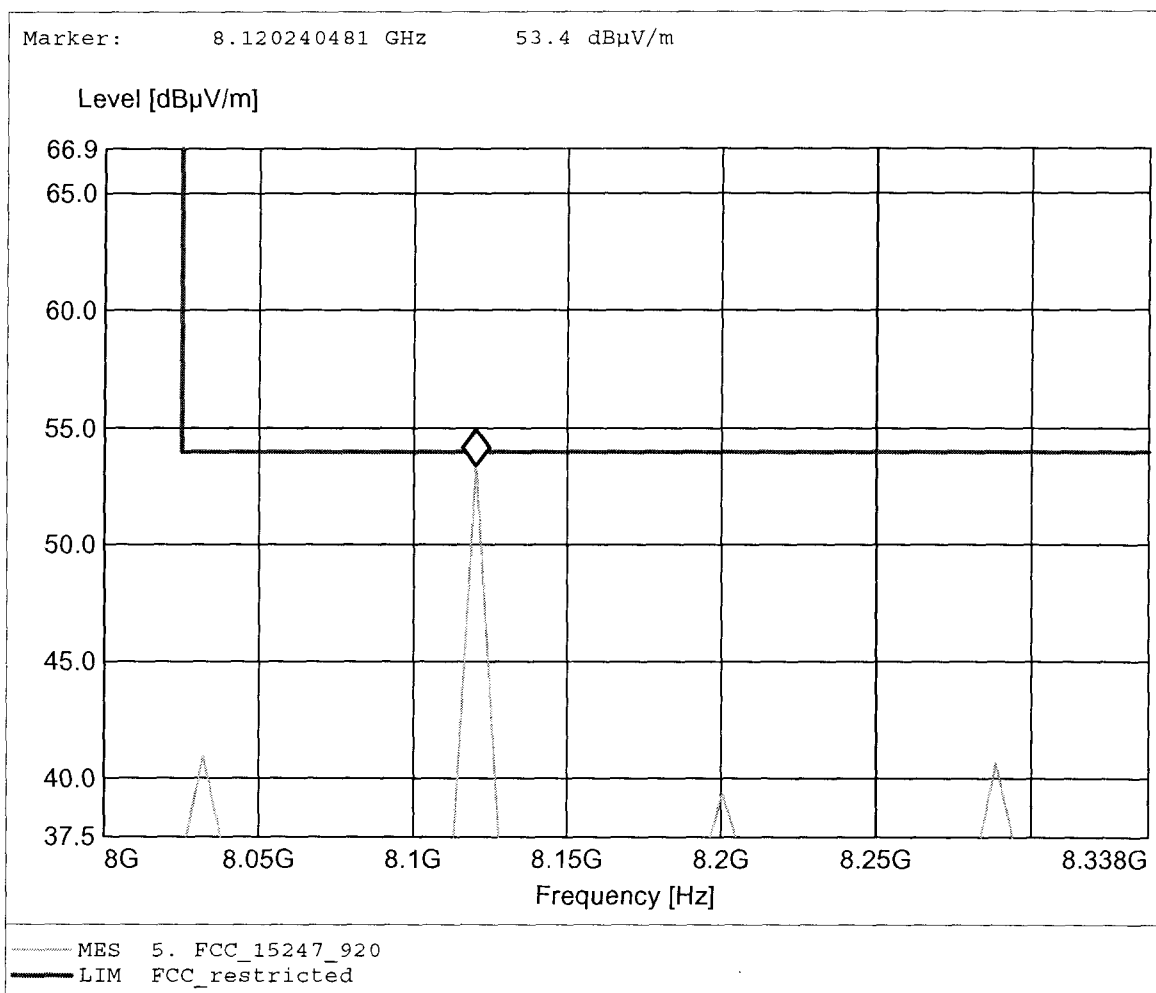
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

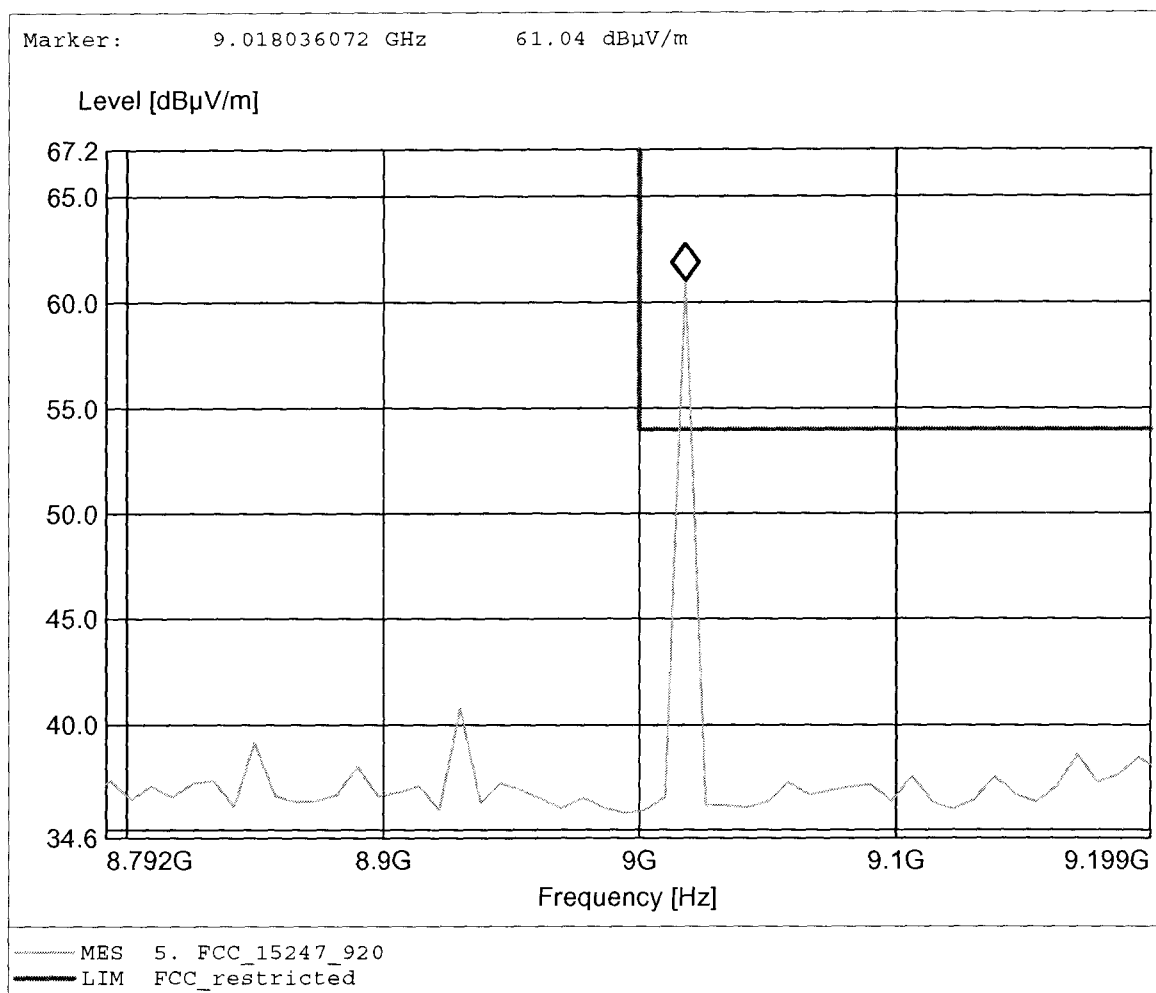
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

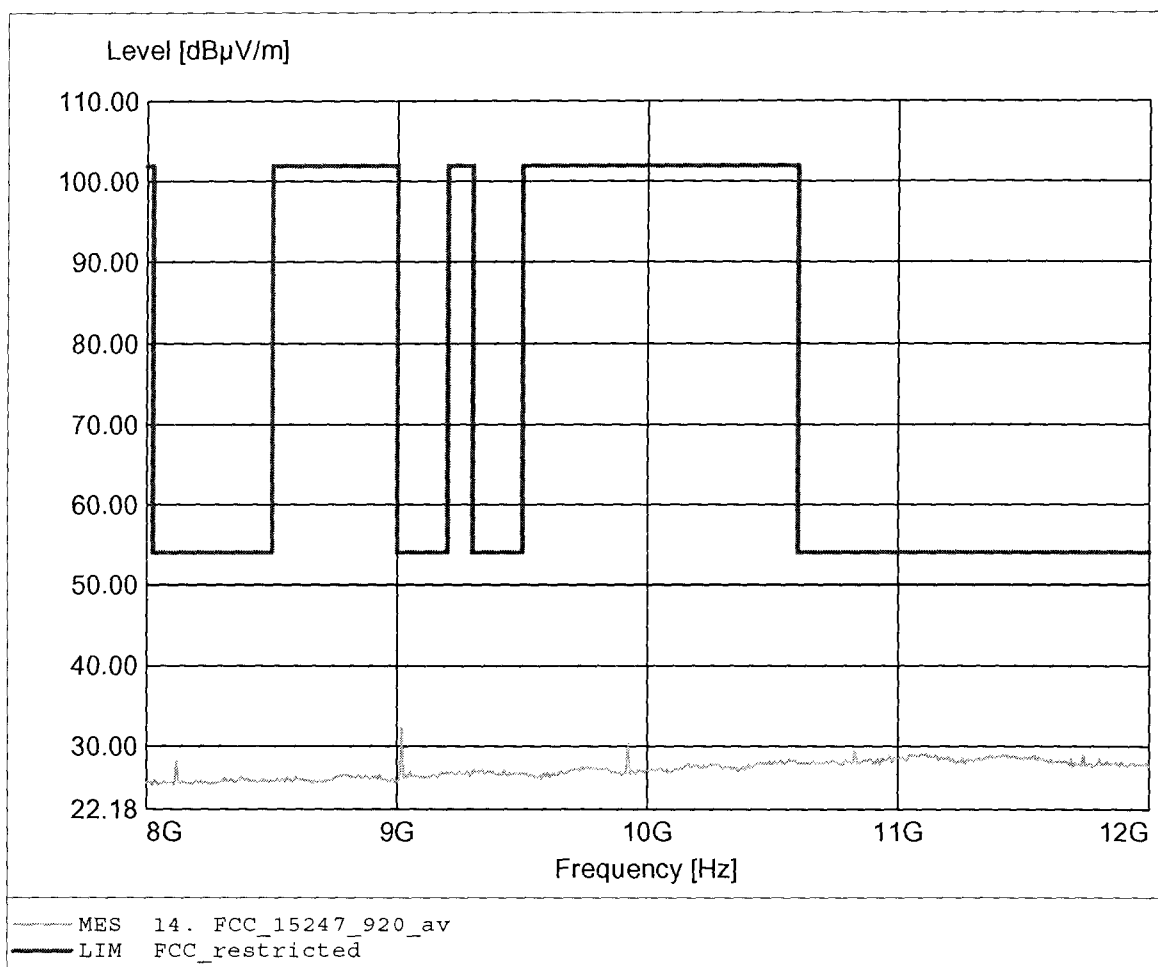
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

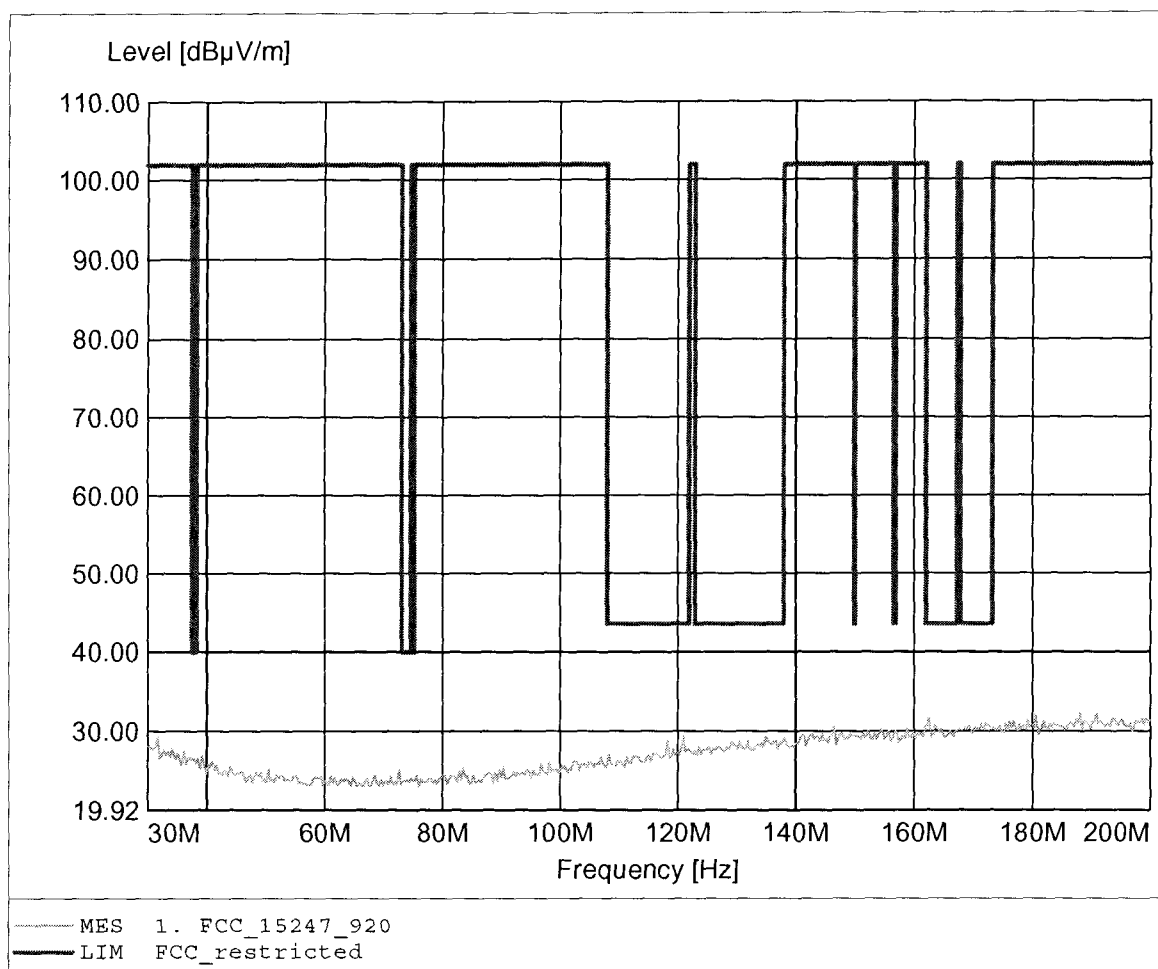
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 0
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

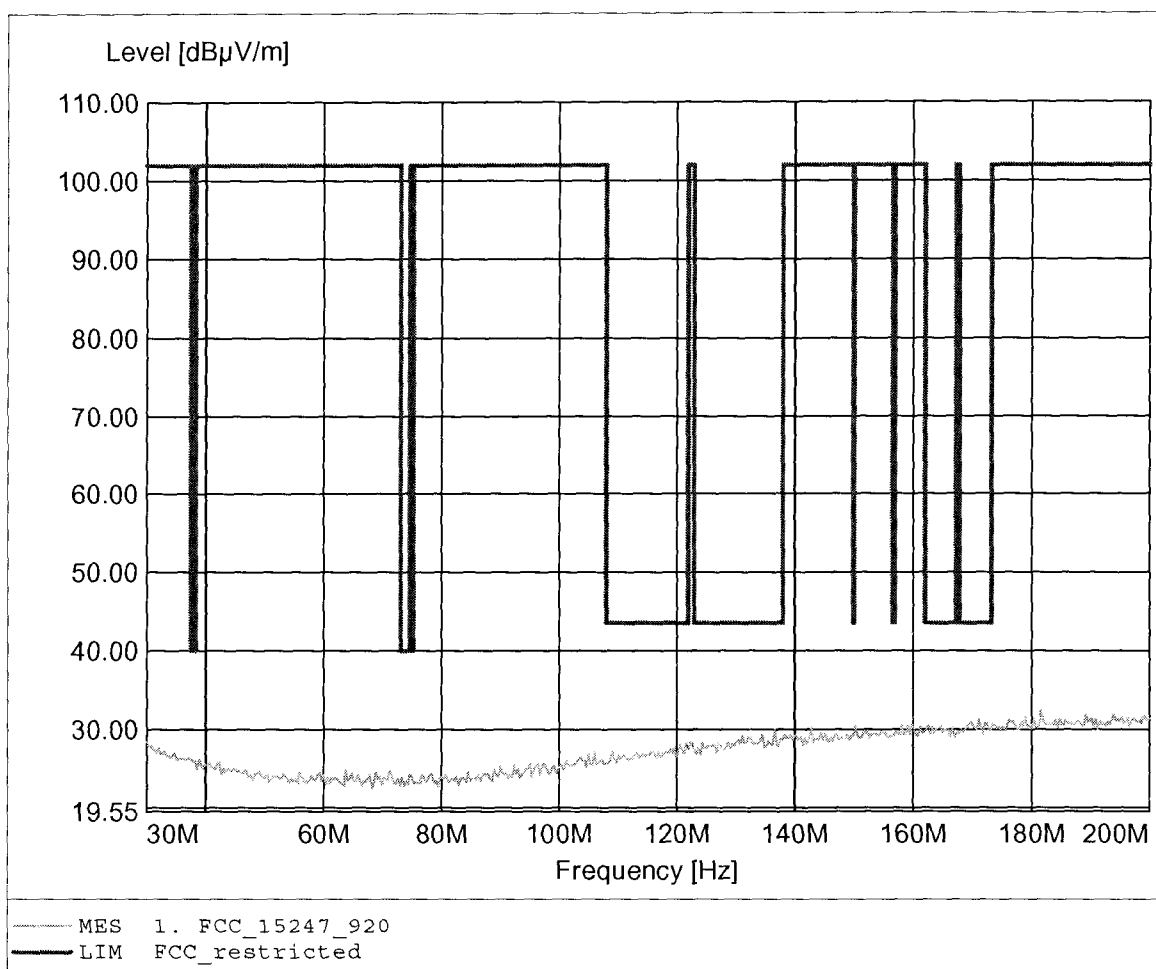
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 188.076MHz, Emax: 32.27dBµV/m,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

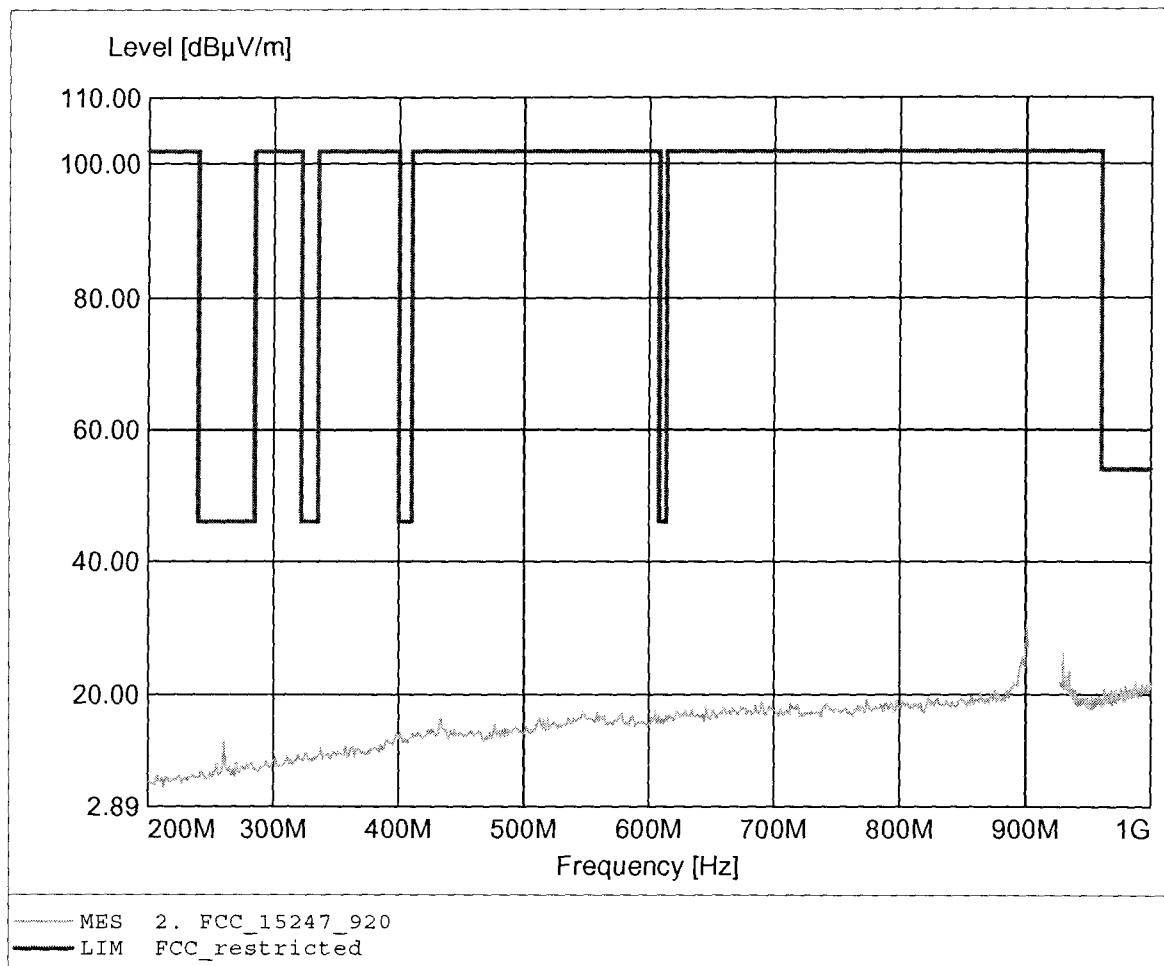
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 181.603MHz, Emax: 32.39dBµV/m,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

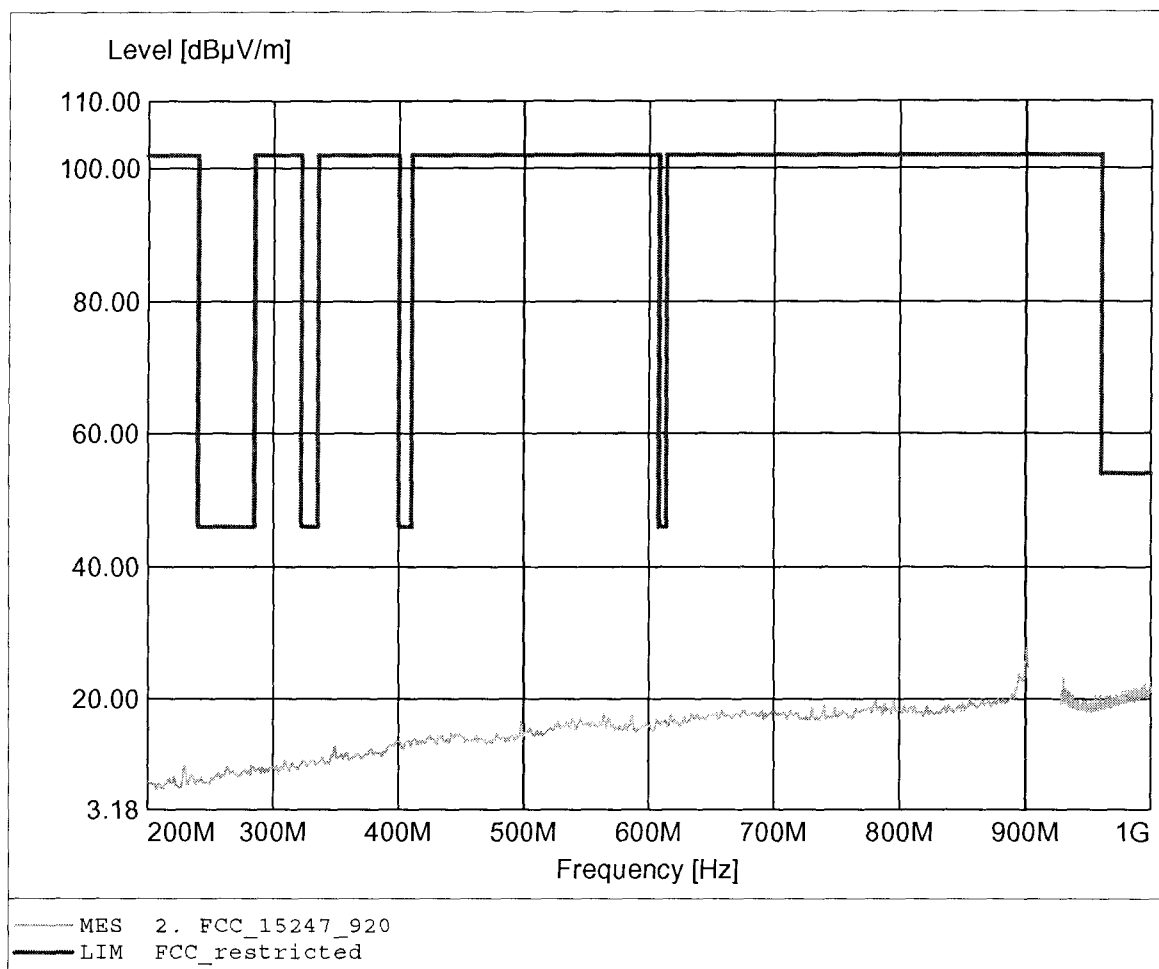
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 900.593MHz,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

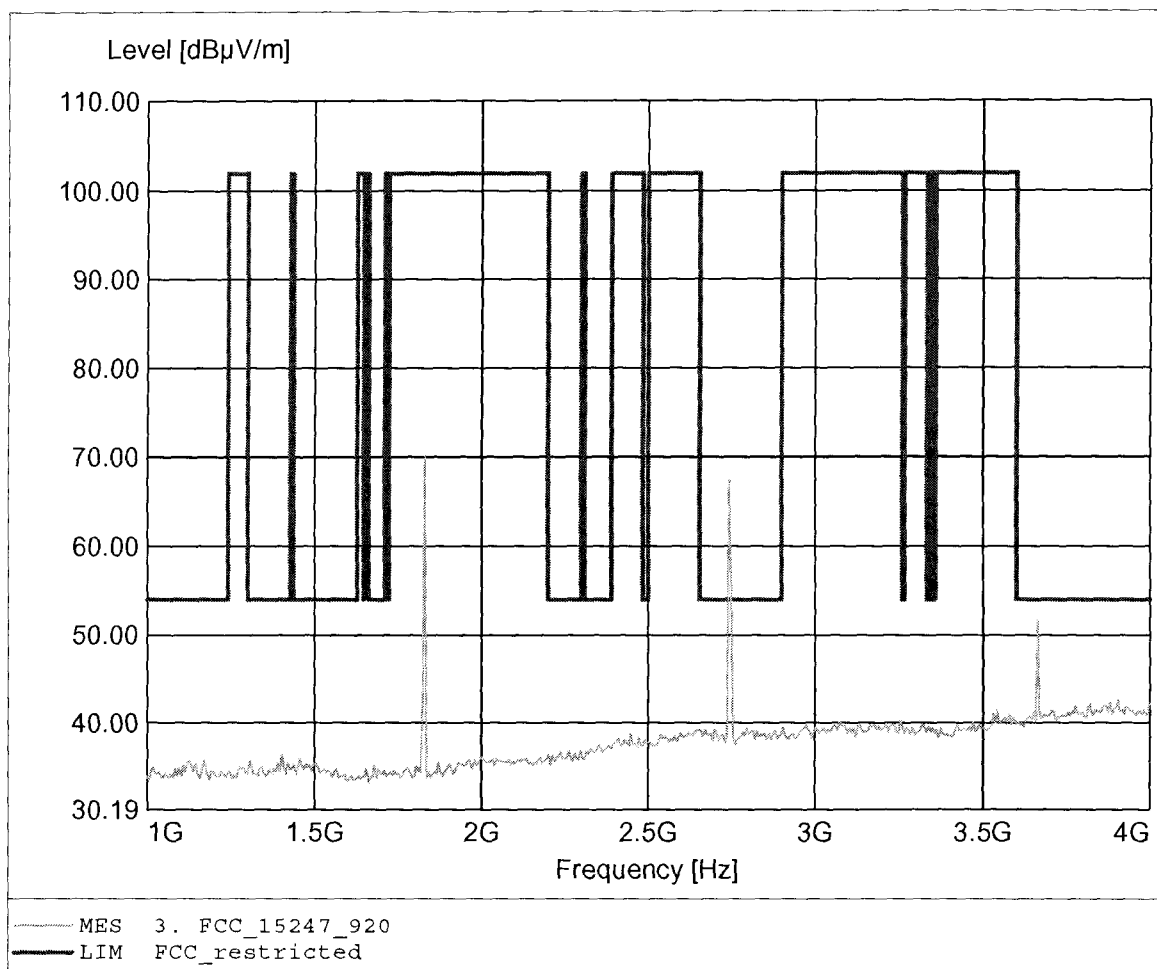
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 900.593MHz,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

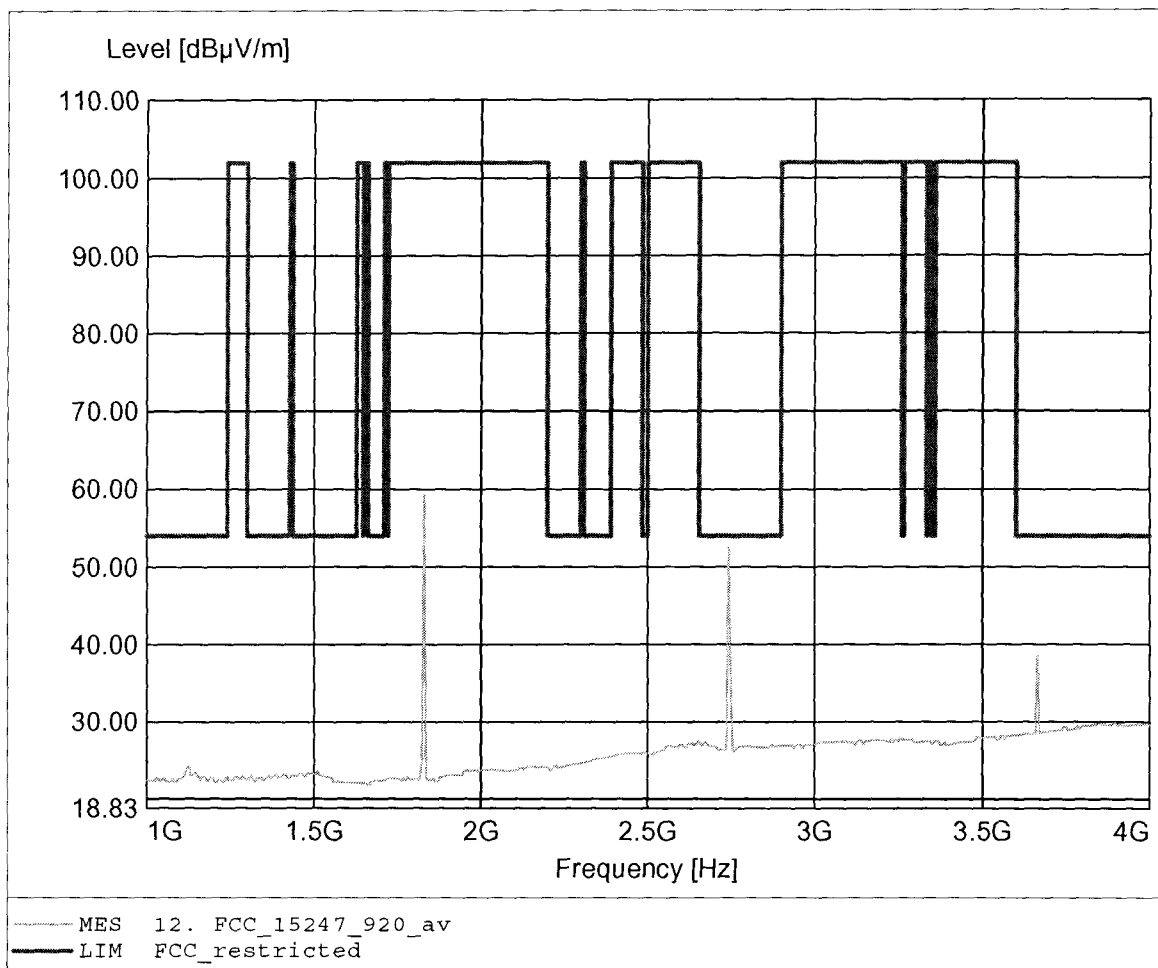
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

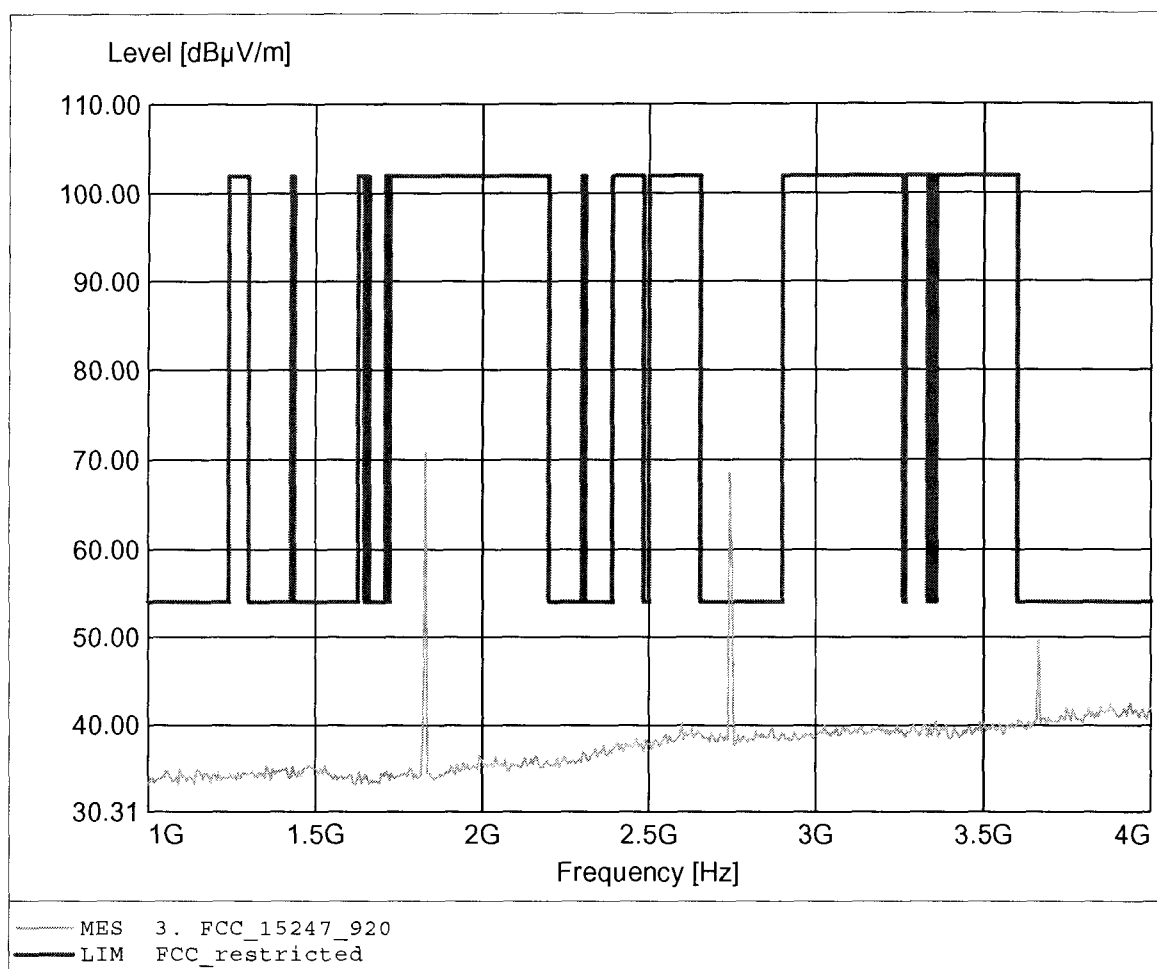
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

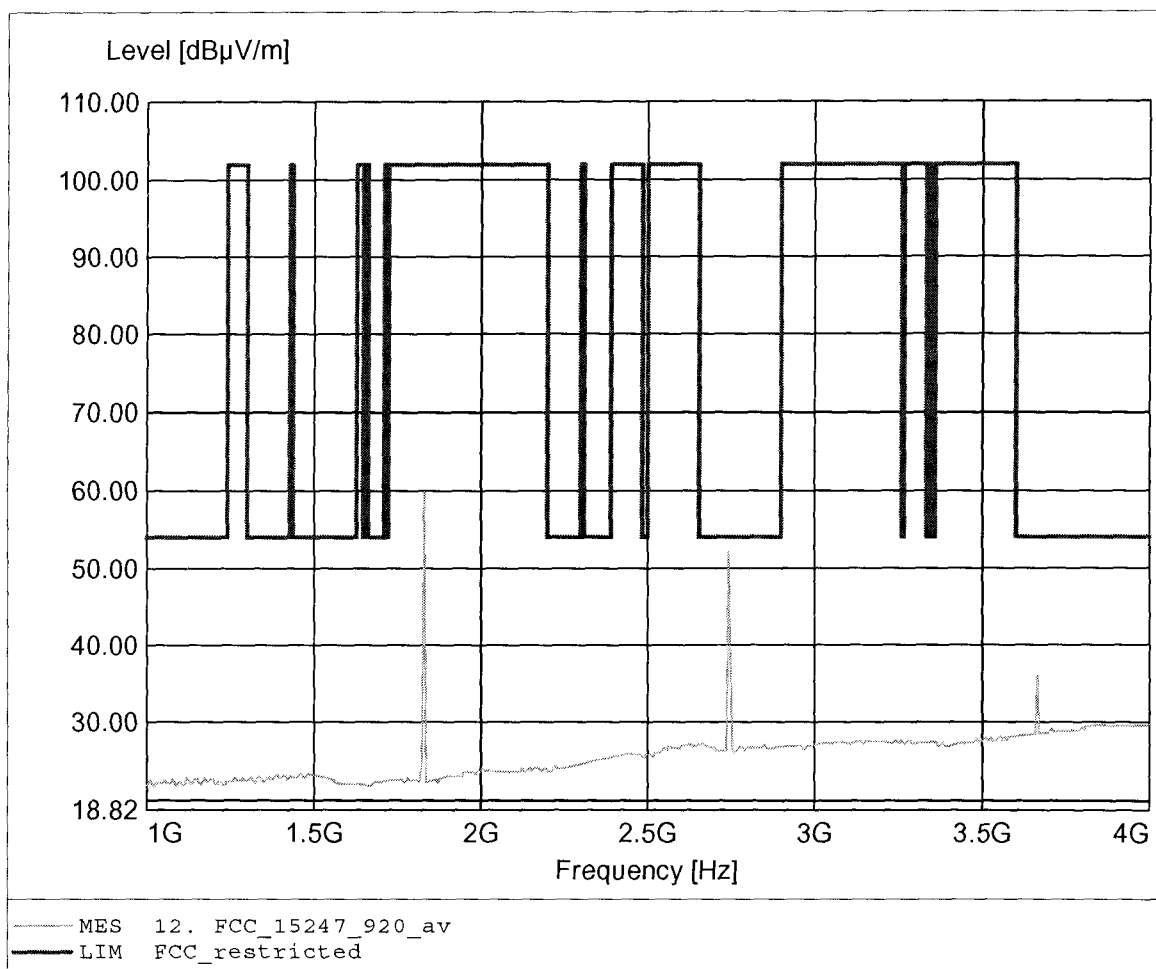
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

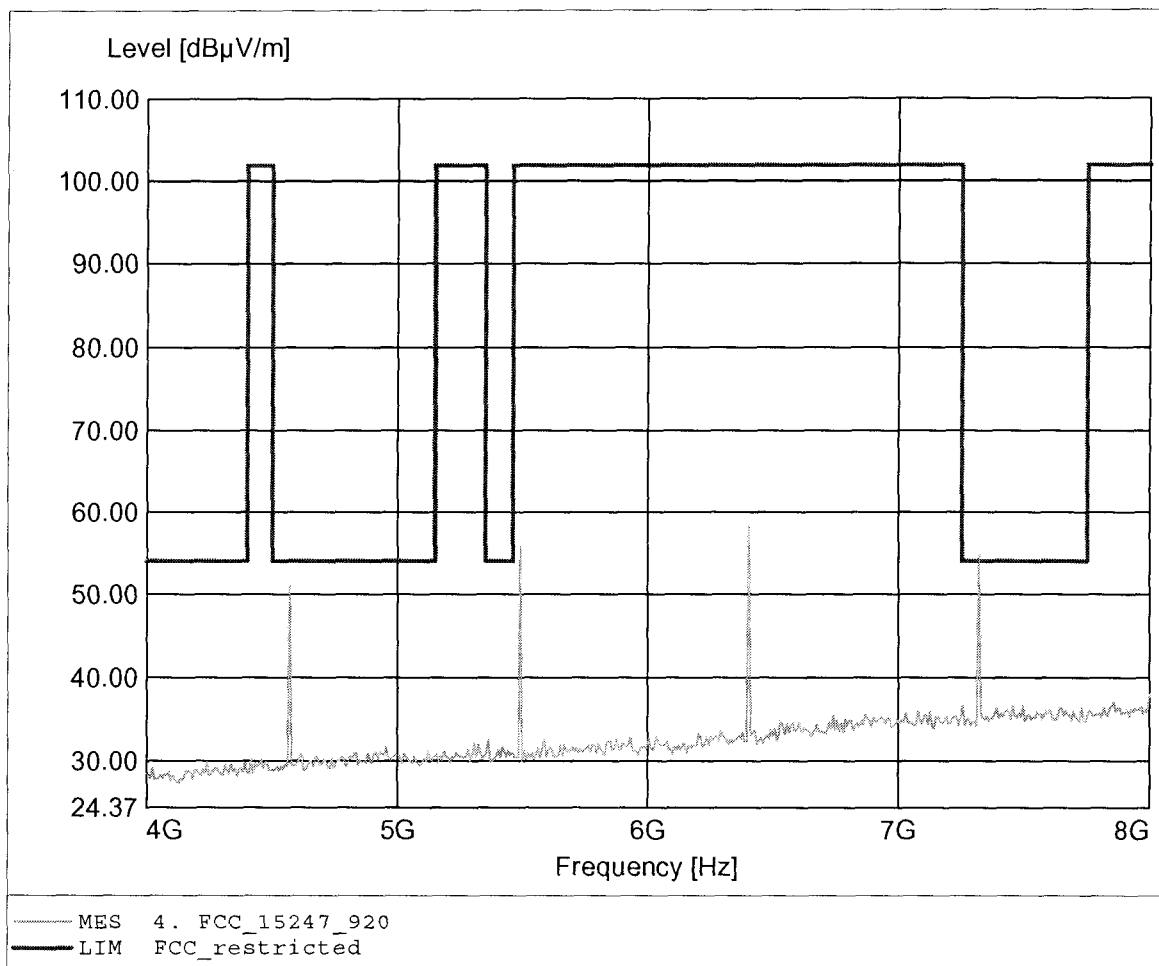
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

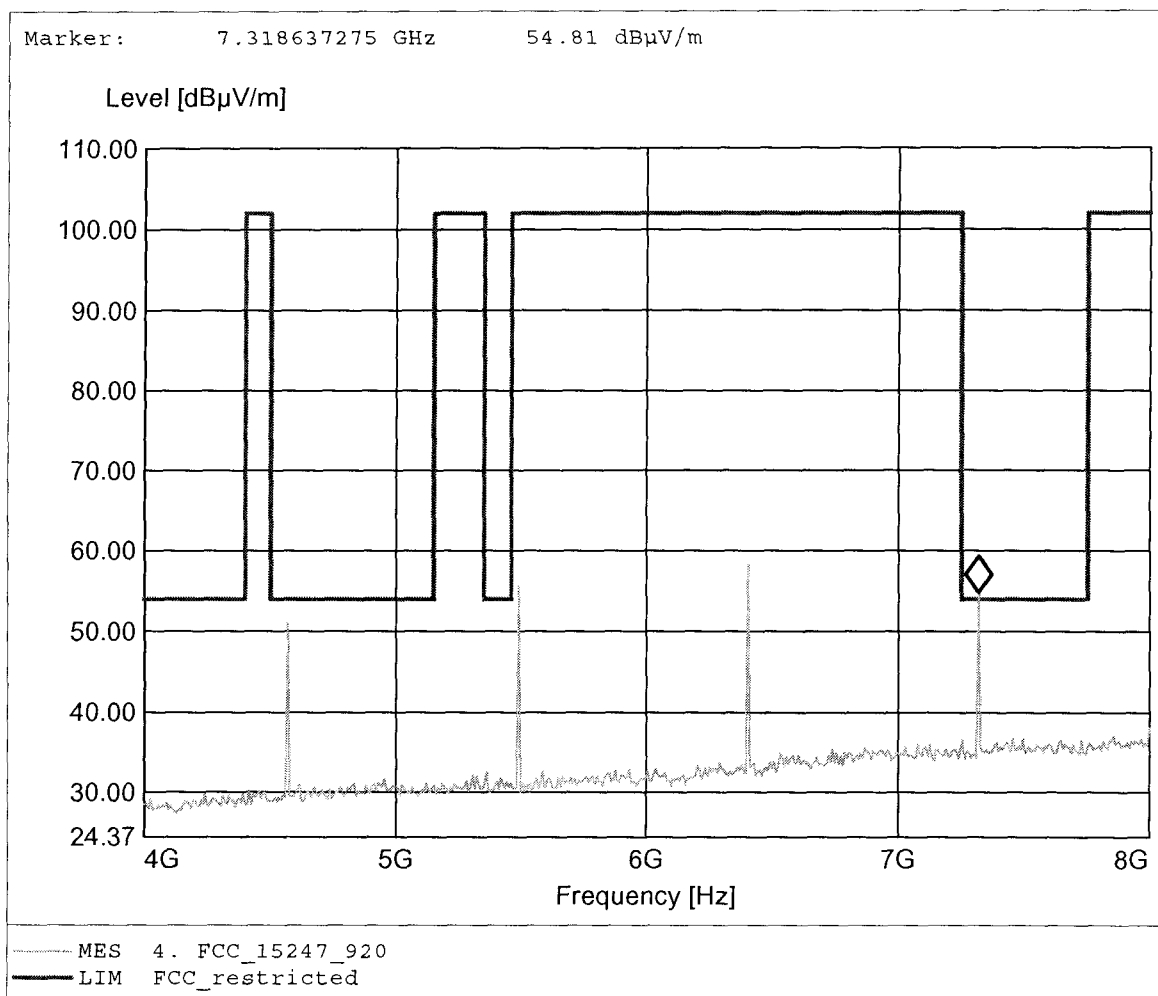
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

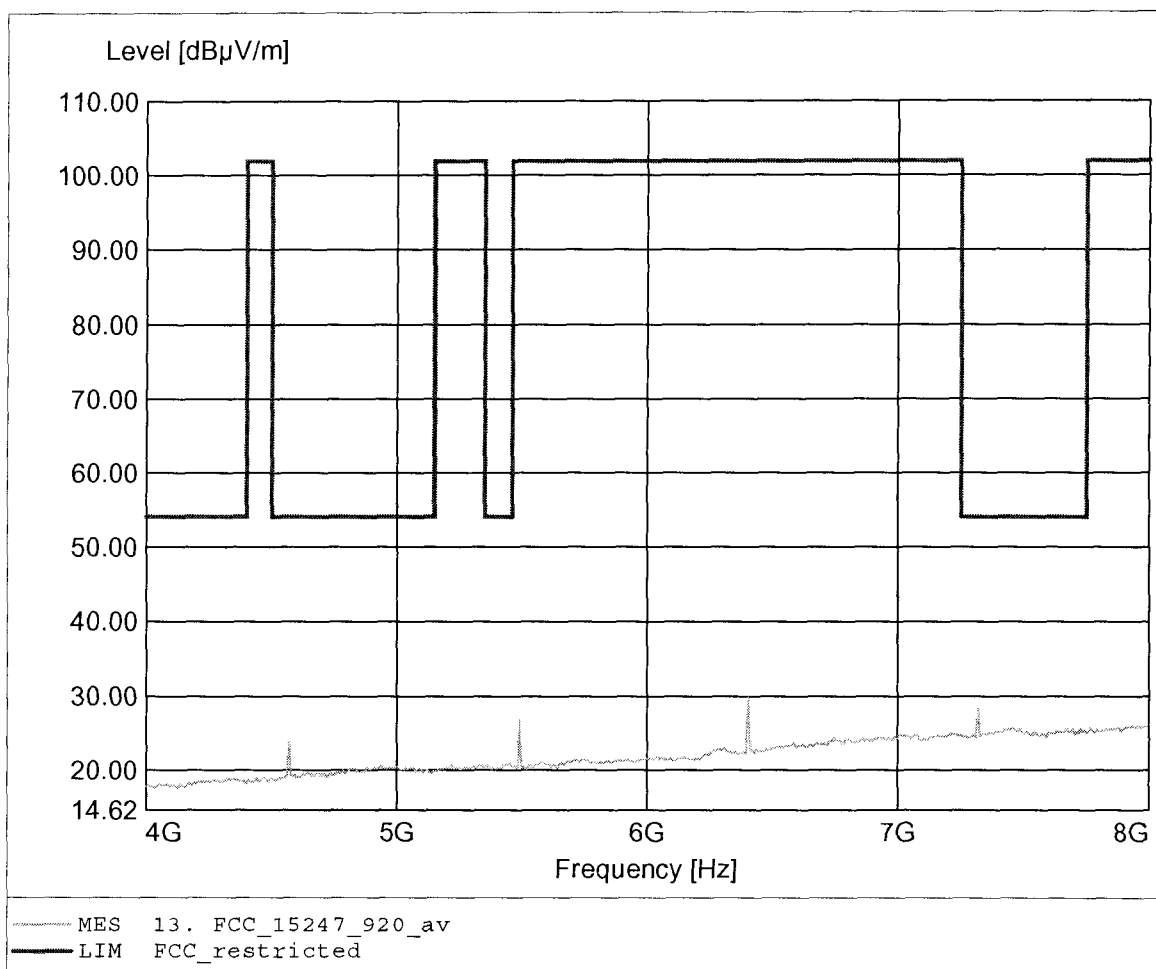
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

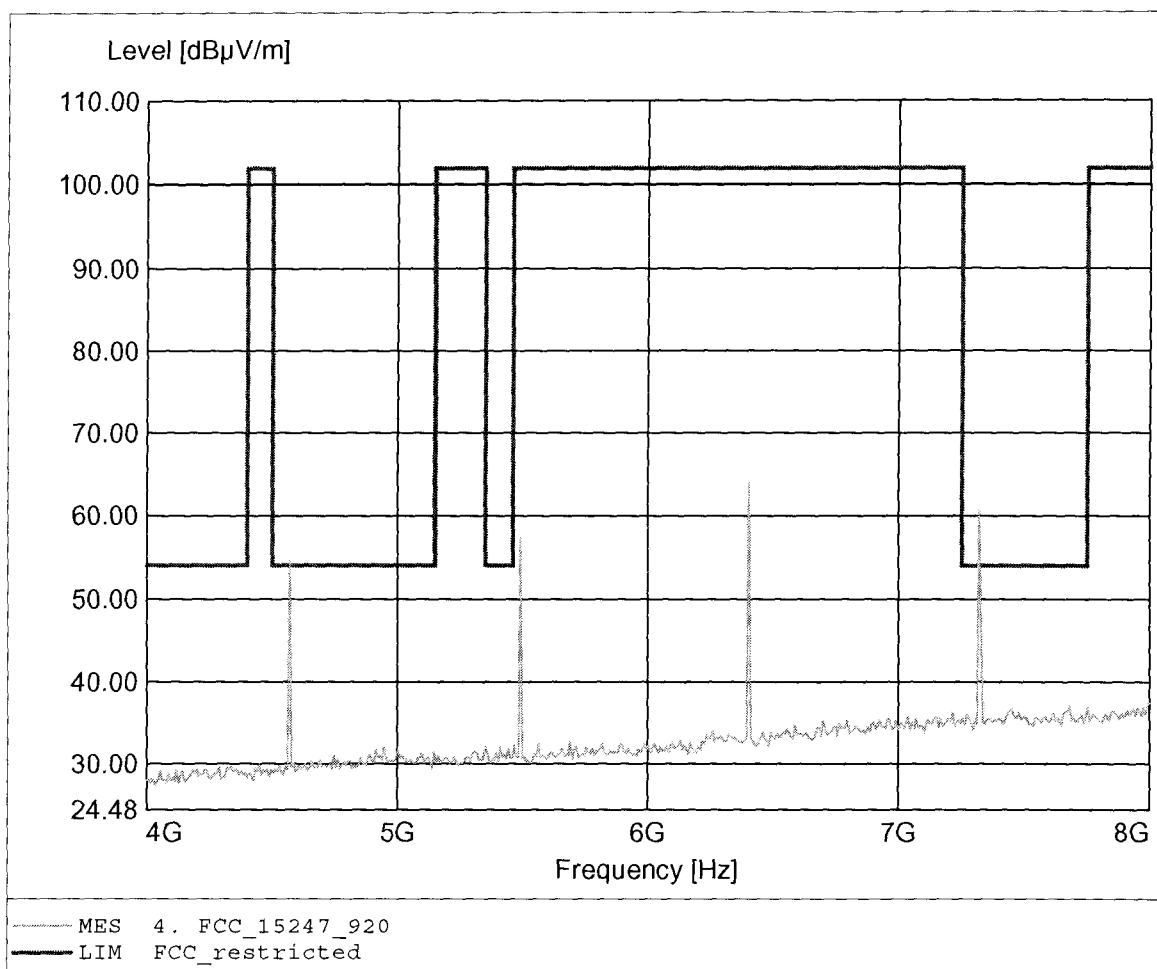
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

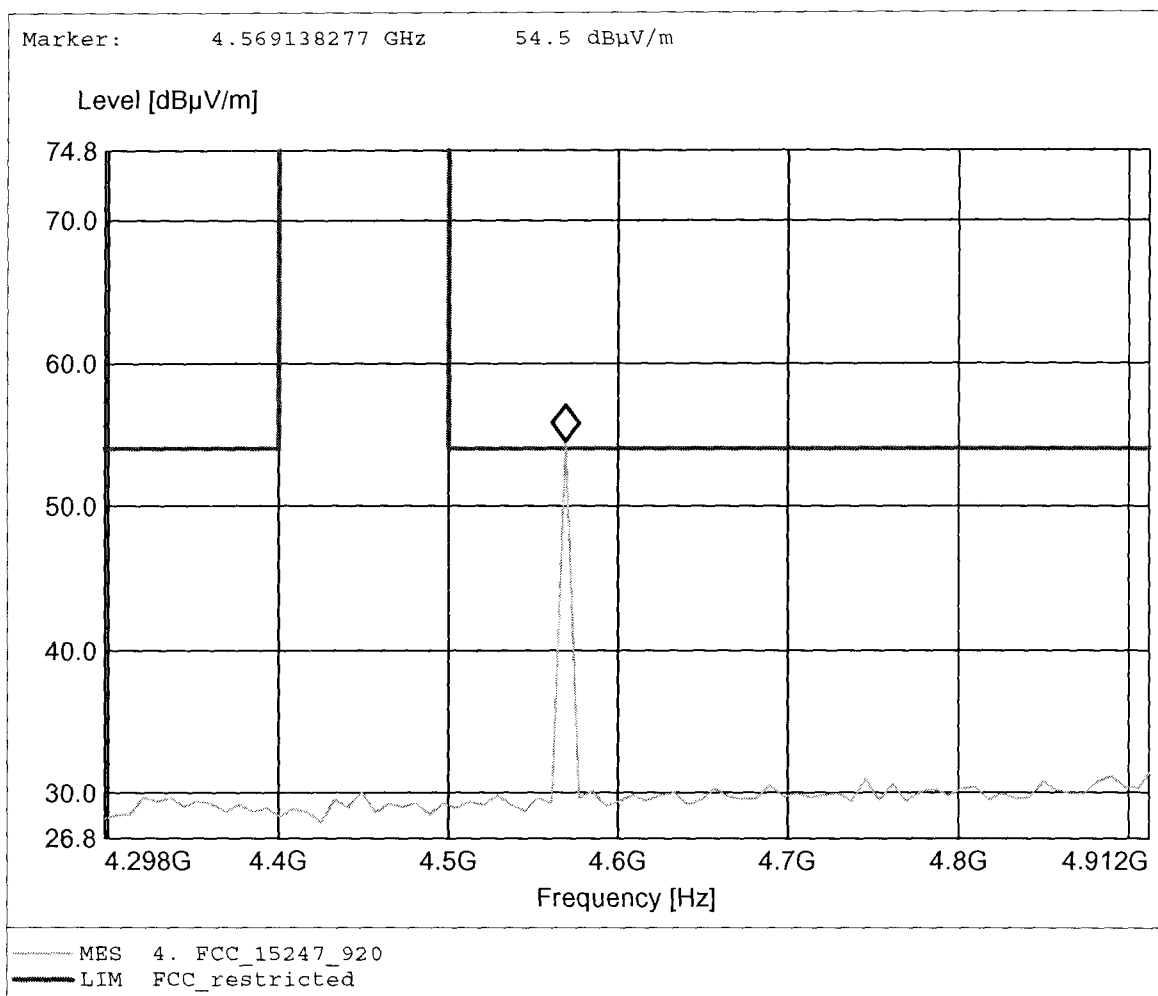
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

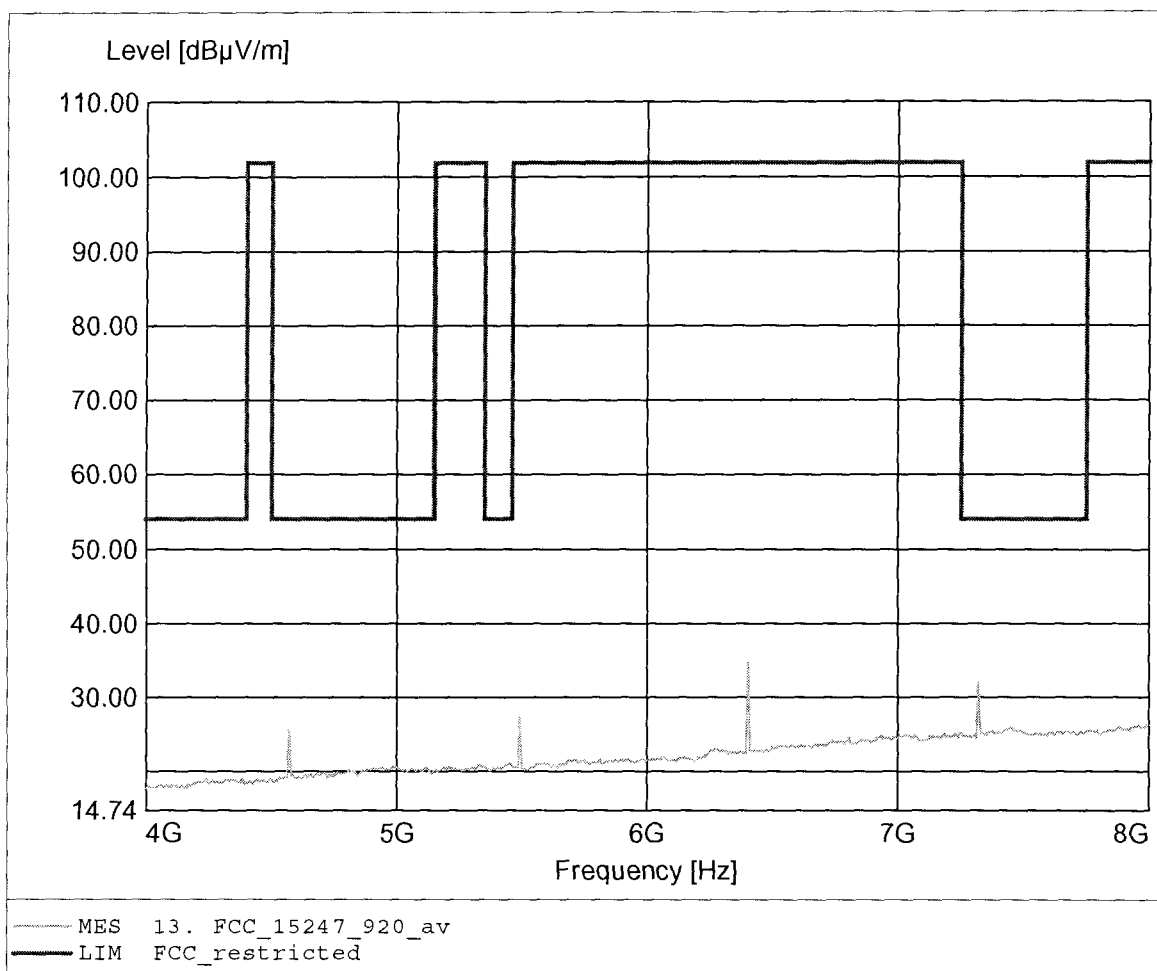
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

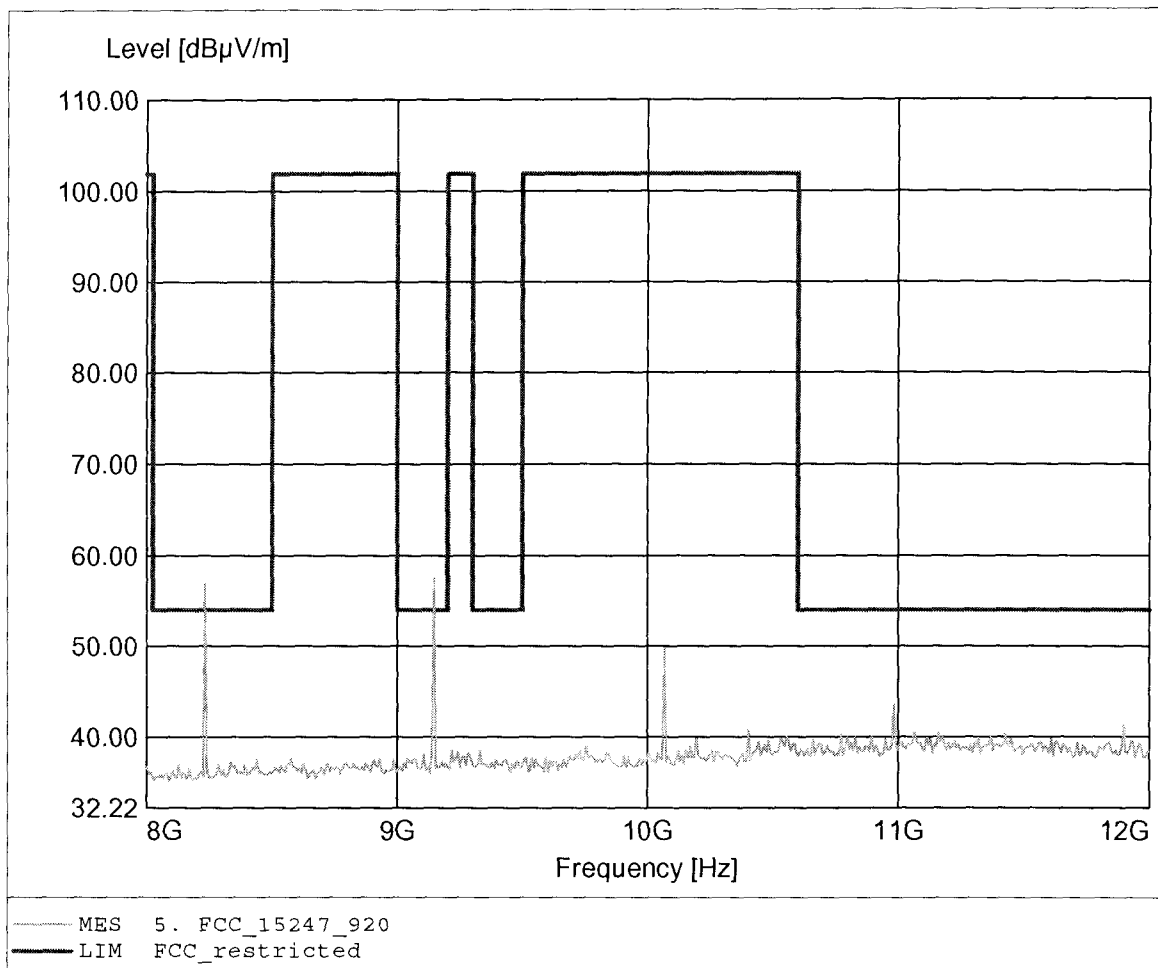
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

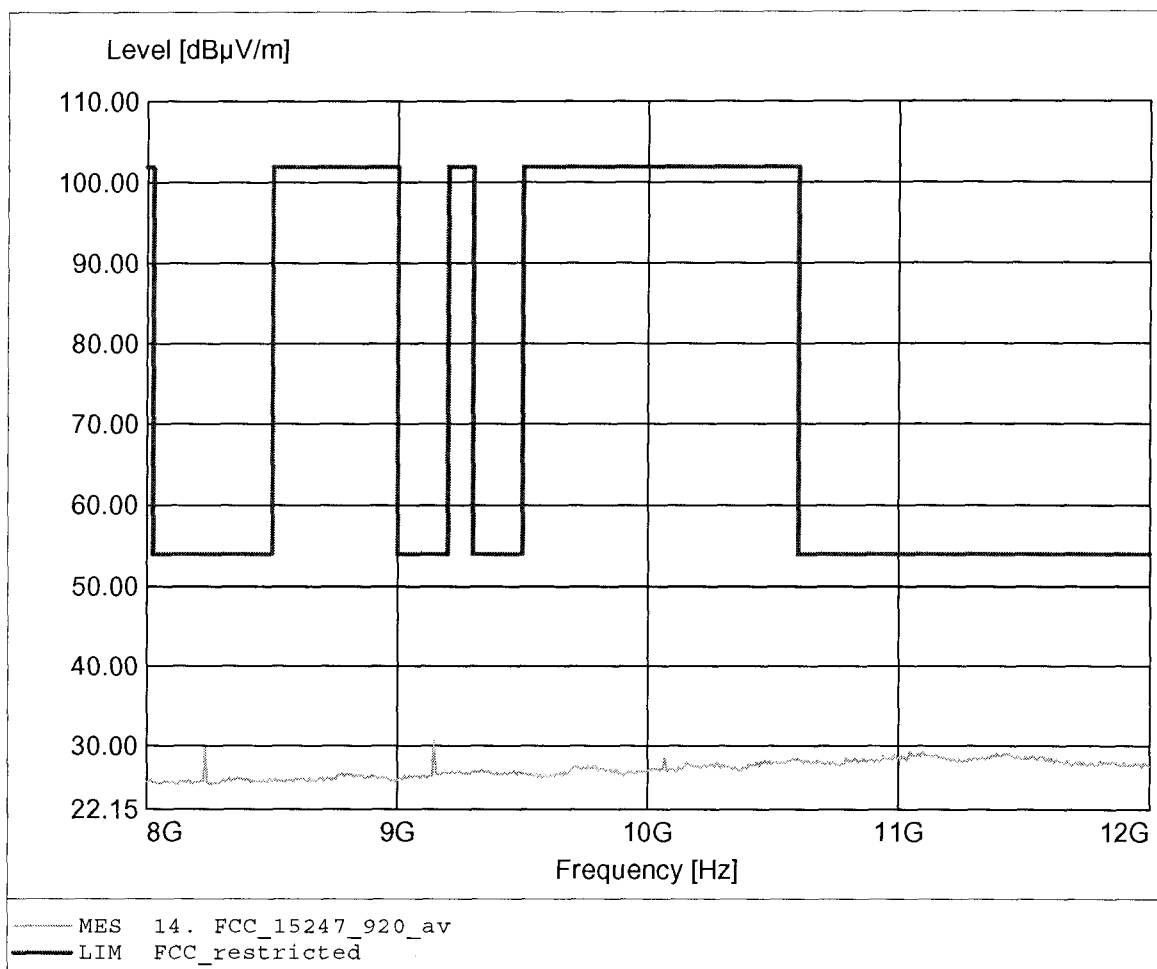
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

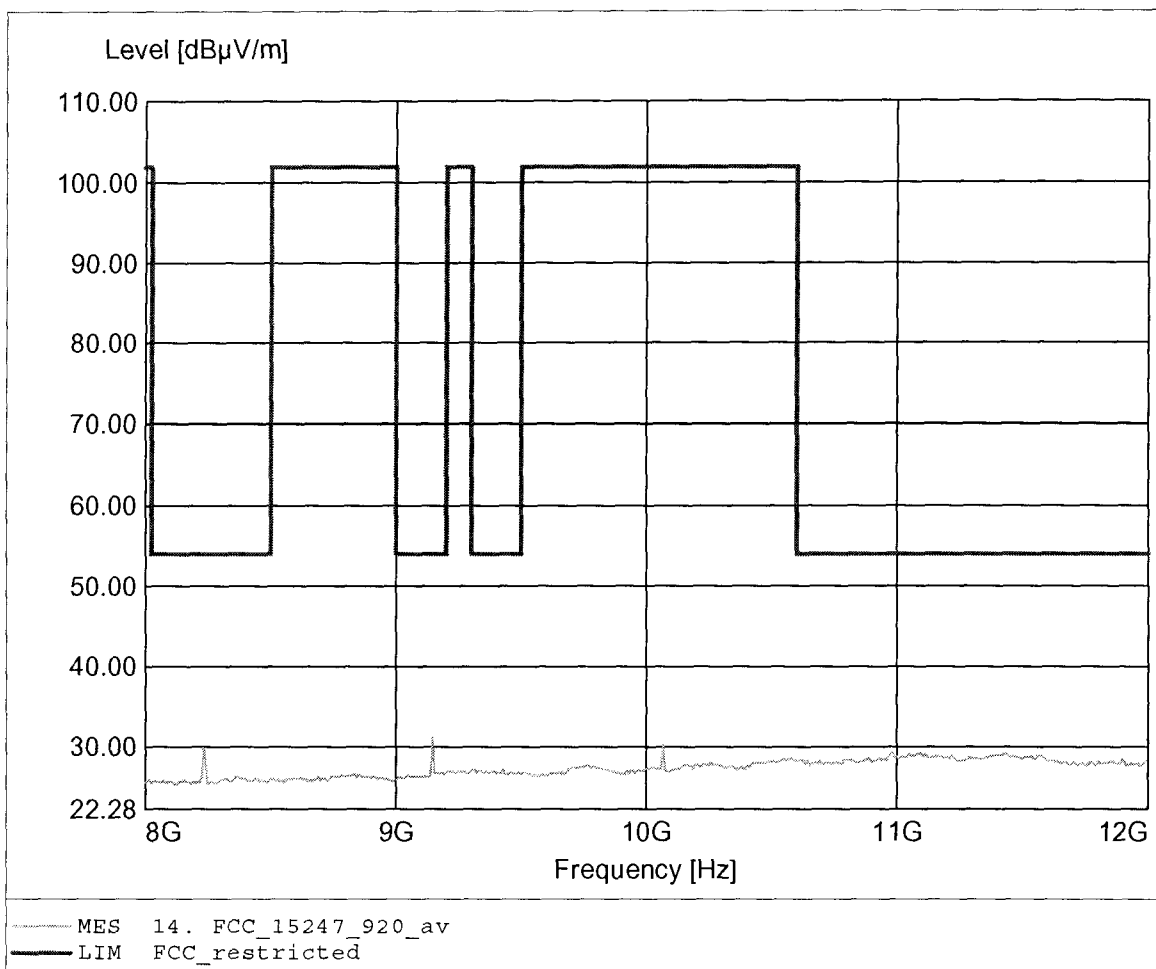
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

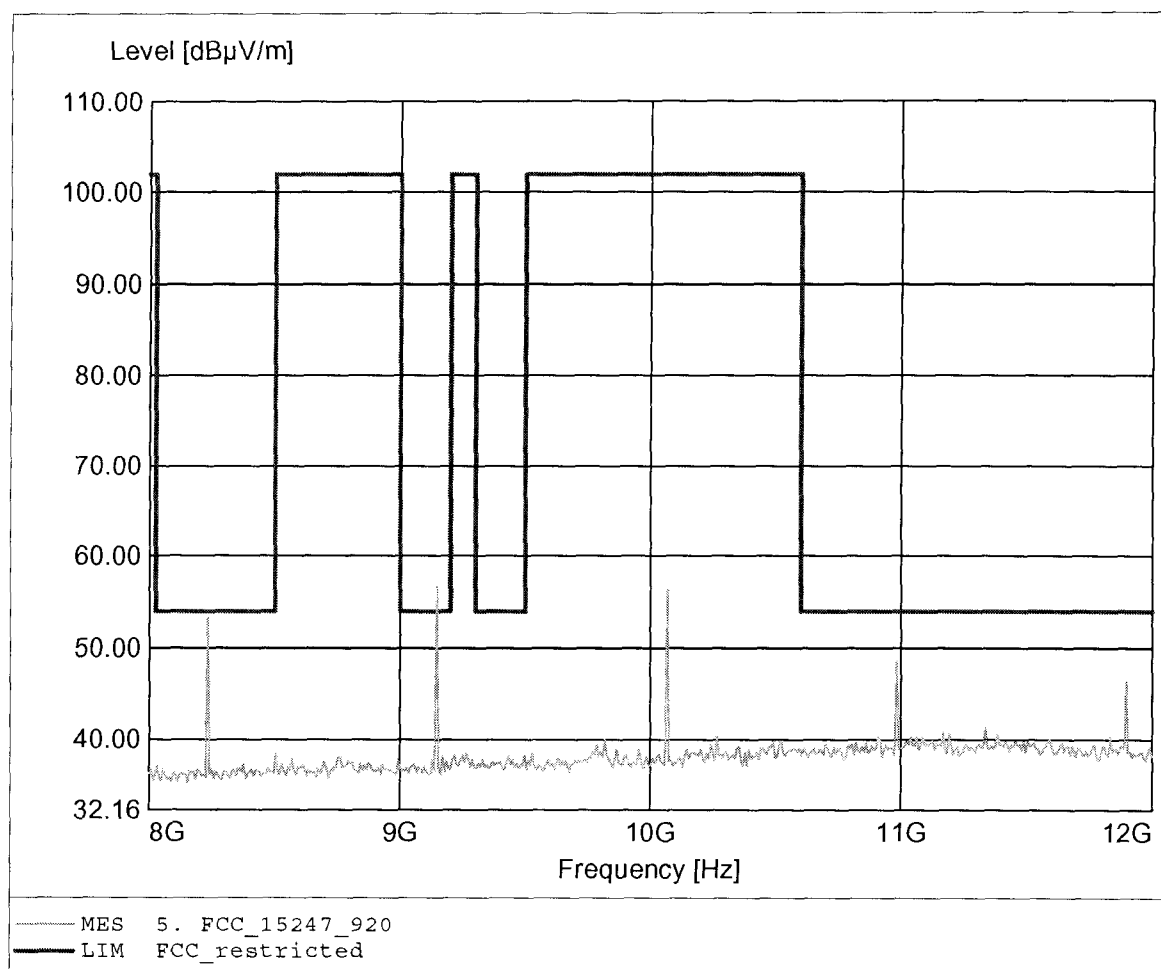
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

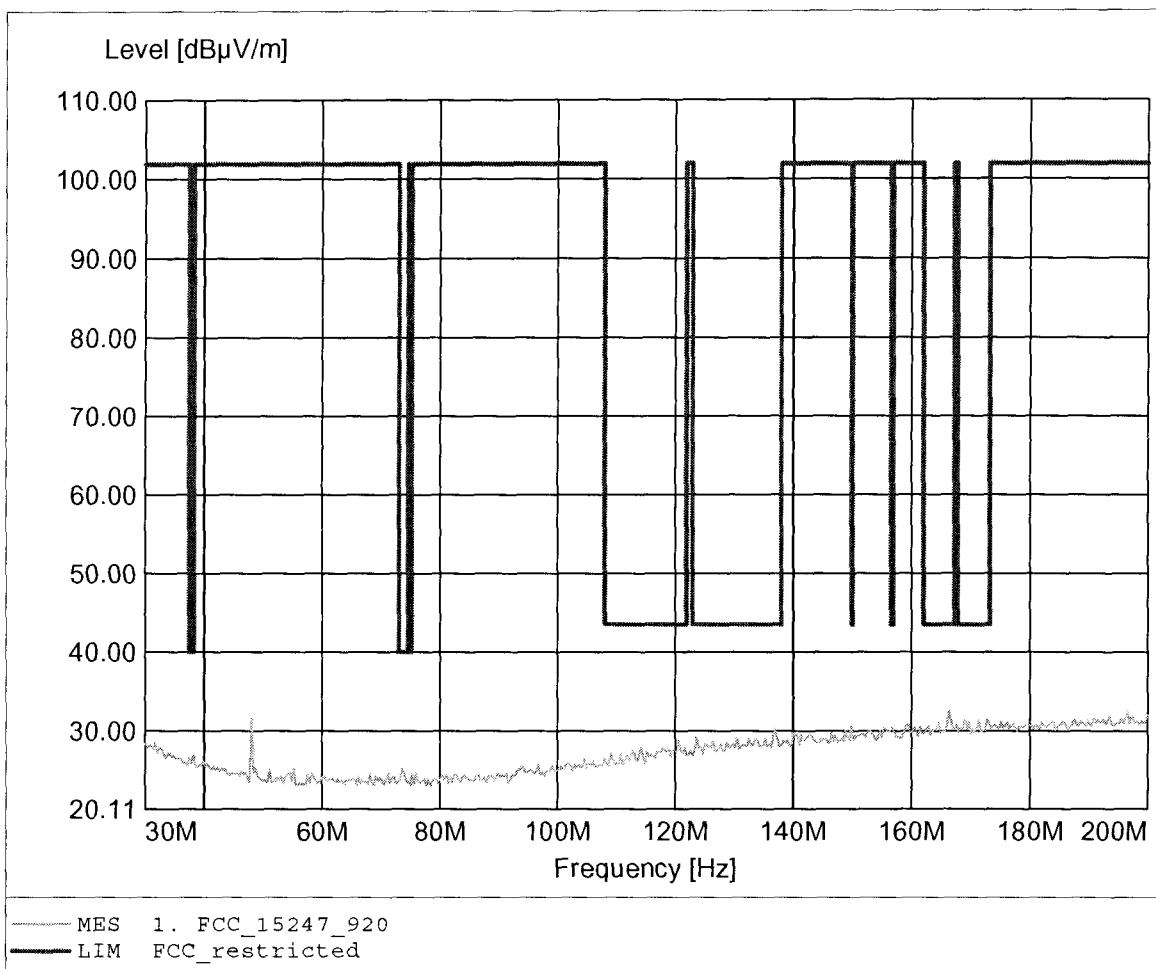
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 26
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



FCC RULES PART 15, SUBPART C

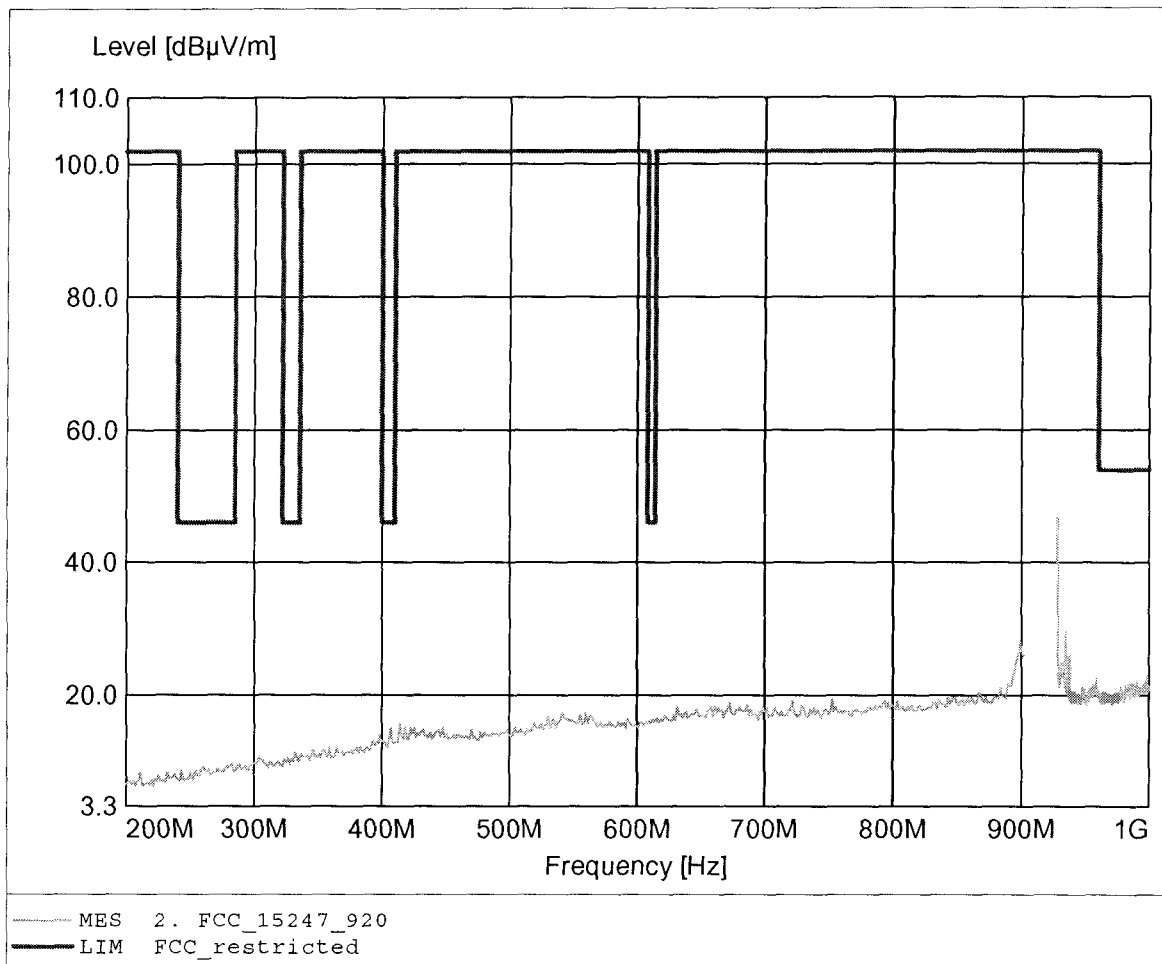
The graph displays the Level [dBμV/m] on the y-axis (ranging from 19.68 to 110.00) against Frequency [Hz] on the x-axis (ranging from 30M to 200M). Two curves are plotted: MES (Measurement Error Signal, shown as a noisy line) and LIM (FCC_restricted, shown as a stepped line). The LIM curve starts at approximately 102 dBμV/m, drops to 40 dBμV/m between 30M and 35M Hz, and then follows a series of steps, generally staying between 43 dBμV/m and 102 dBμV/m. The MES curve is a noisy line that fluctuates around 25-30 dBμV/m, with some peaks reaching up to 40 dBμV/m.

Frequency [Hz]	LIM [dBμV/m]	MES [dBμV/m]
30M	102	28
35M	40	25
75M	102	22
78M	40	20
108M	102	25
110M	43	28
125M	102	28
128M	43	28
138M	102	28
150M	43	28
155M	102	28
158M	43	28
165M	102	28
168M	43	28
172M	102	28
200M	102	30

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

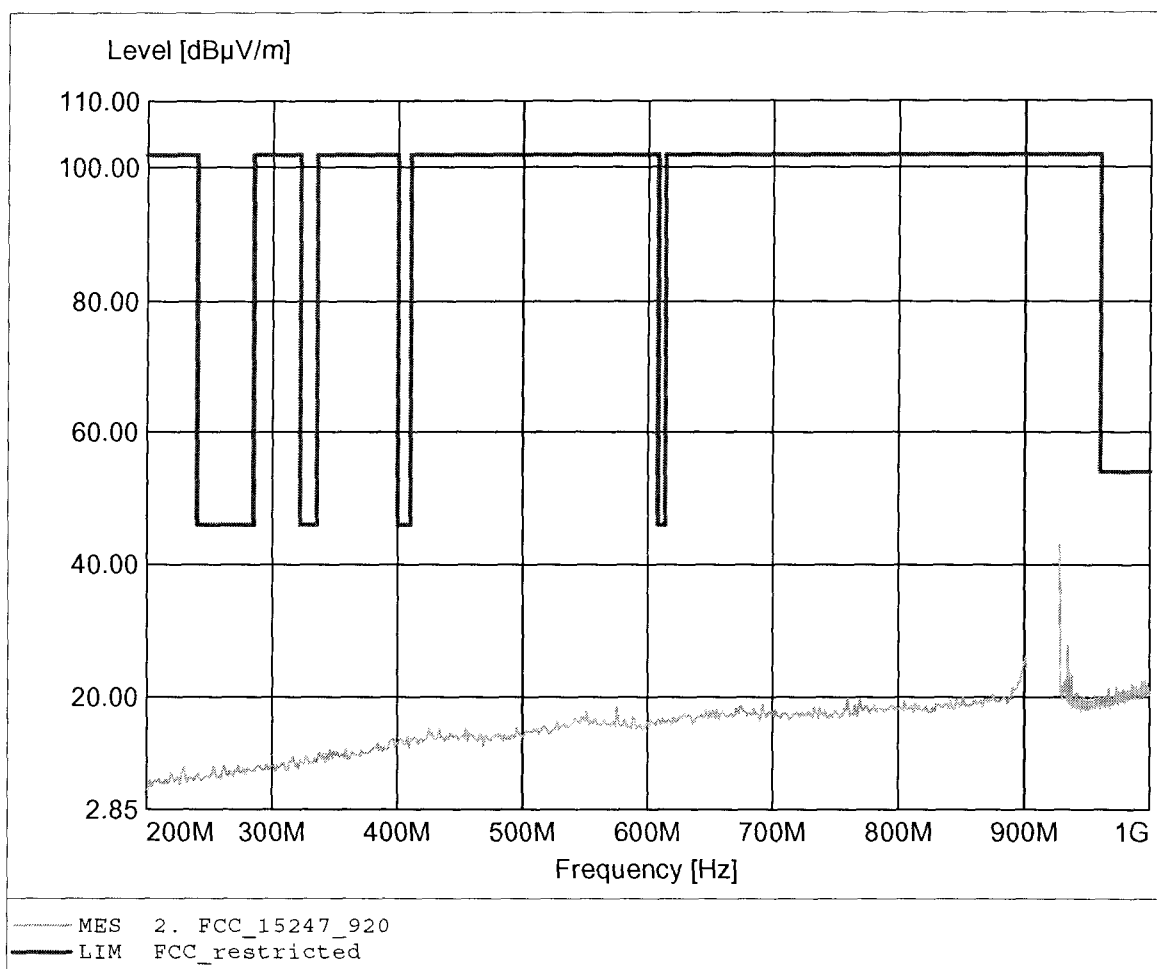
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 928.000MHz,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

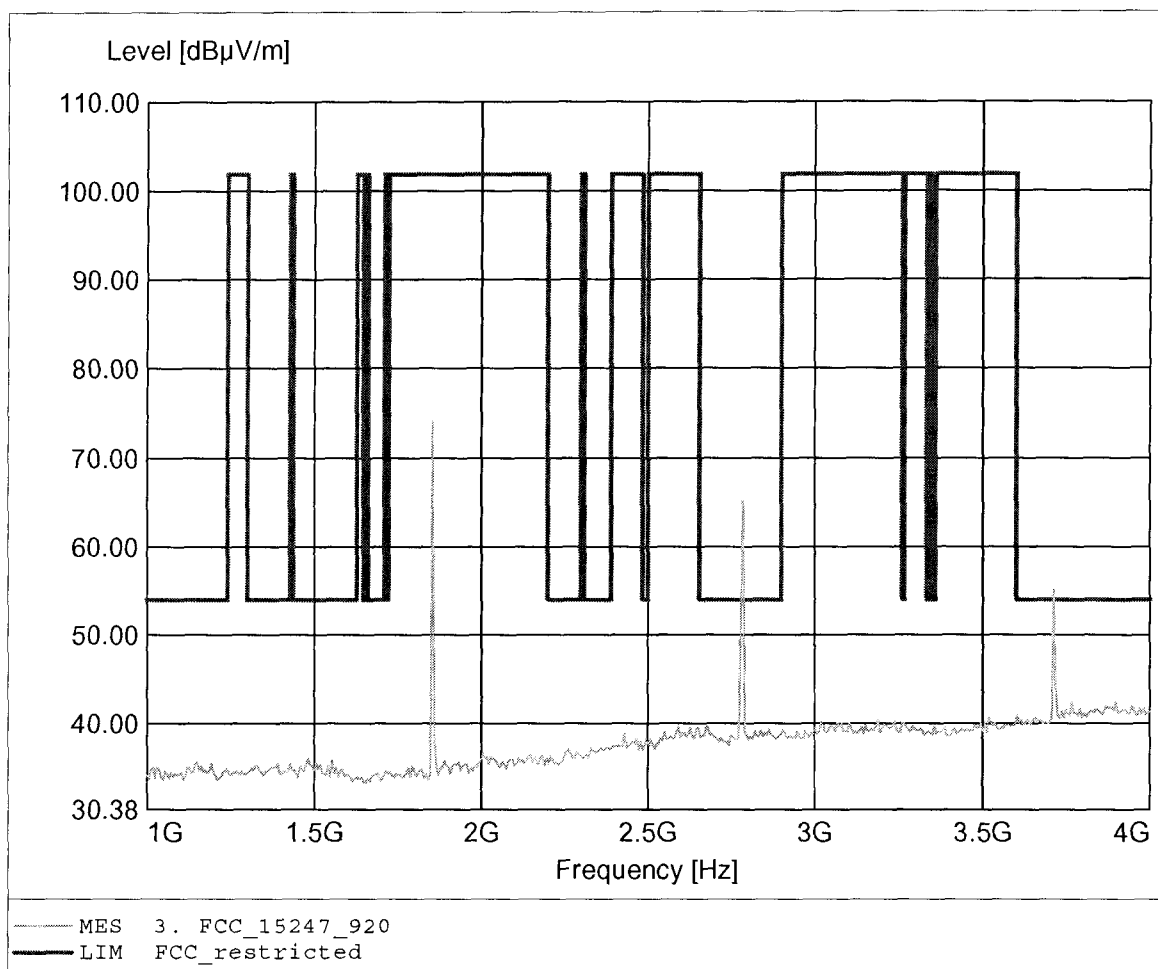
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 928.000MHz,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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

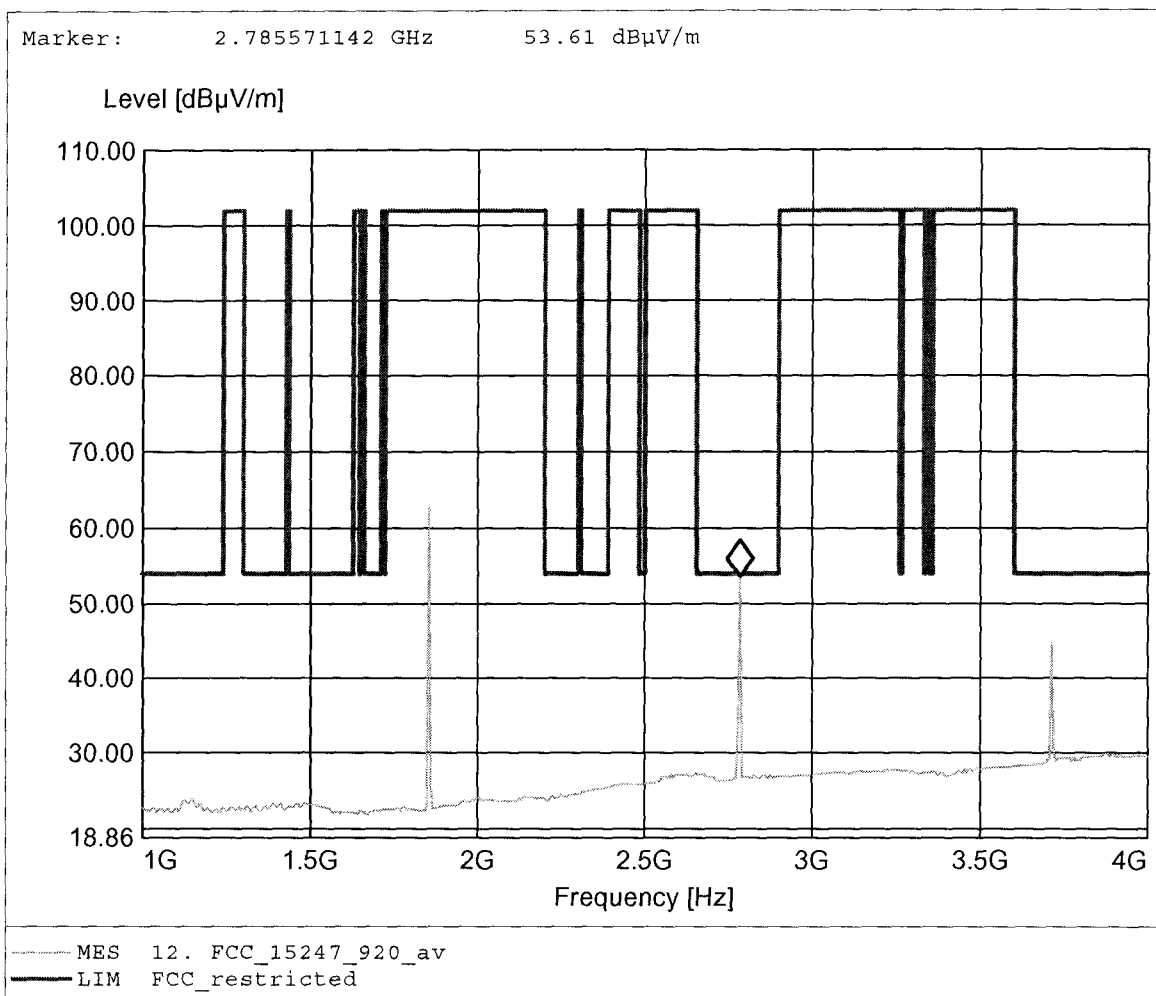
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

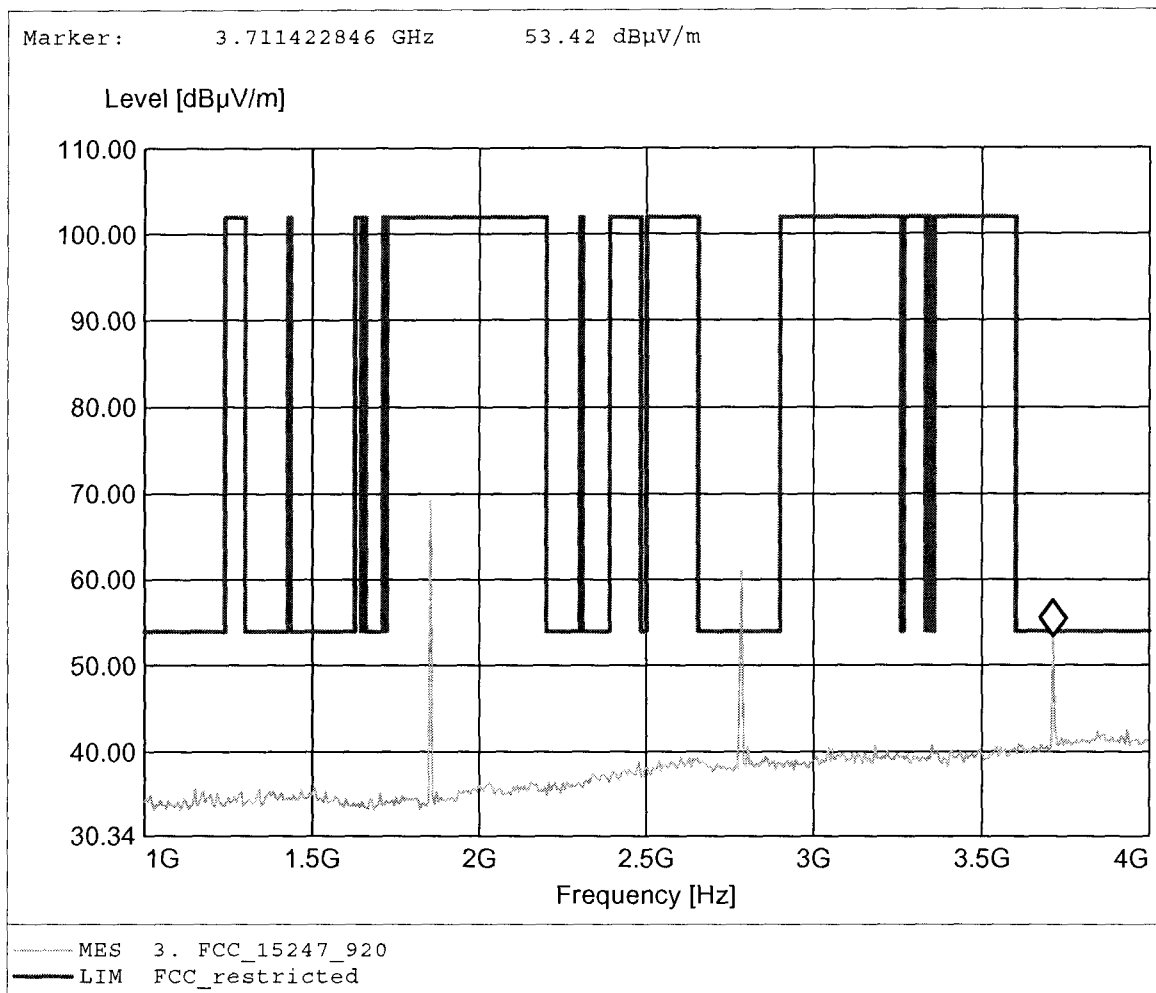
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

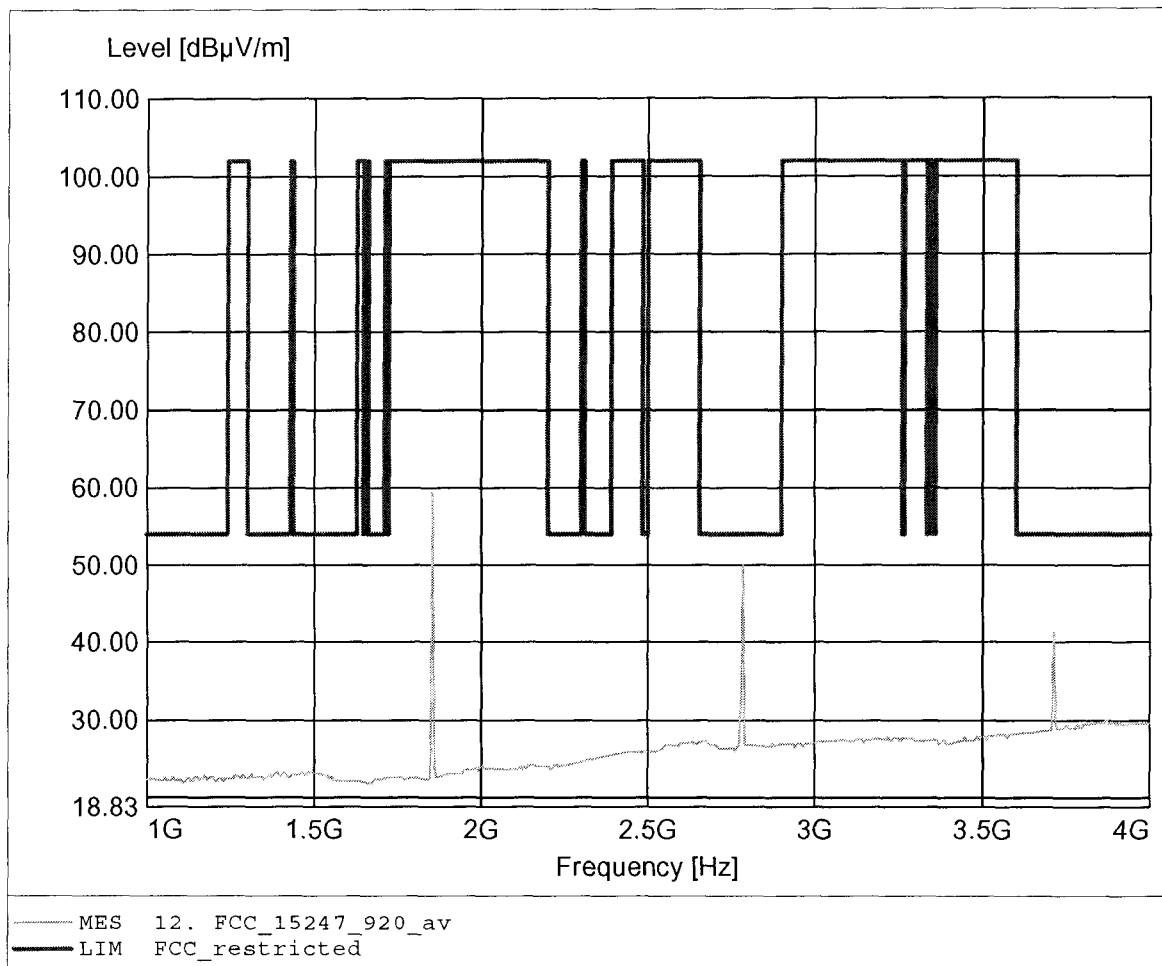
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

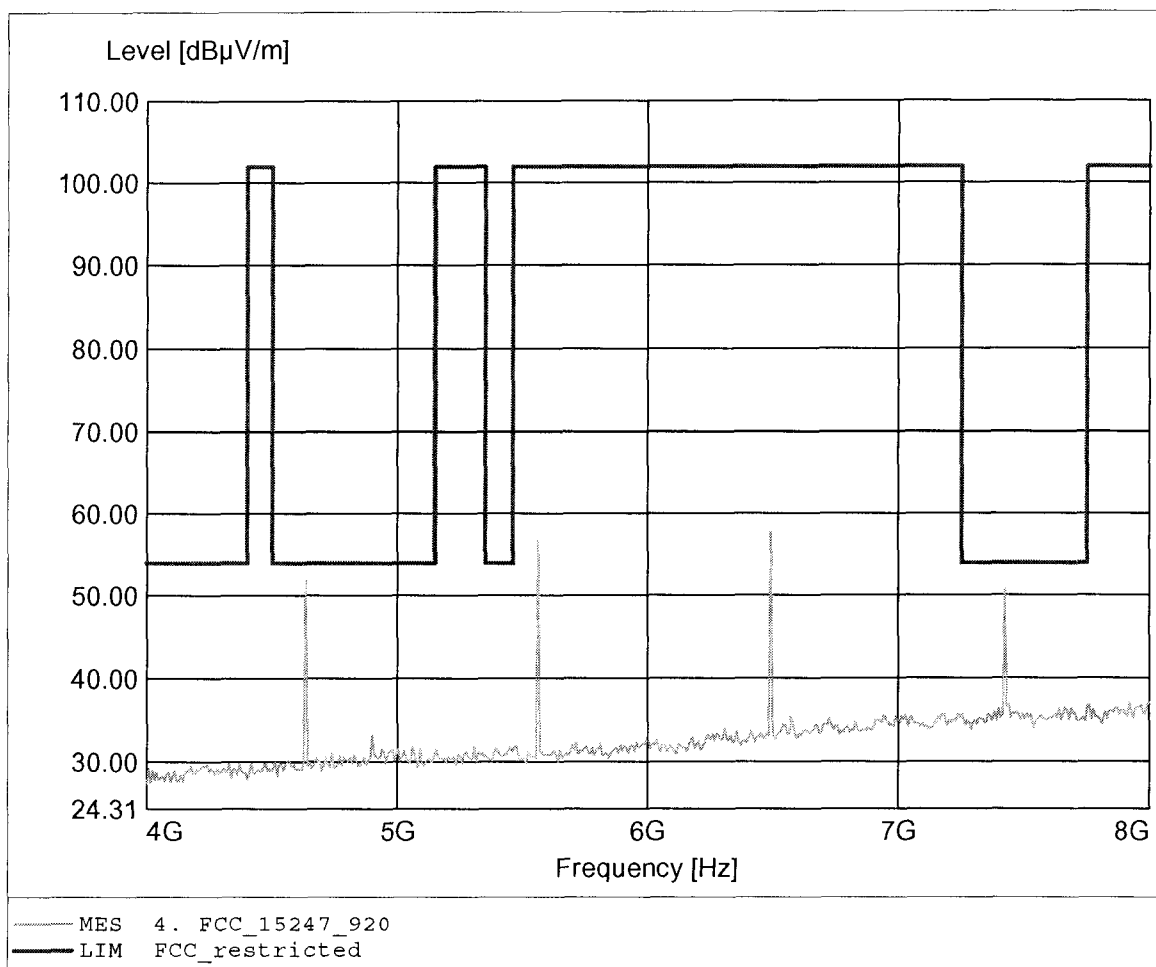
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

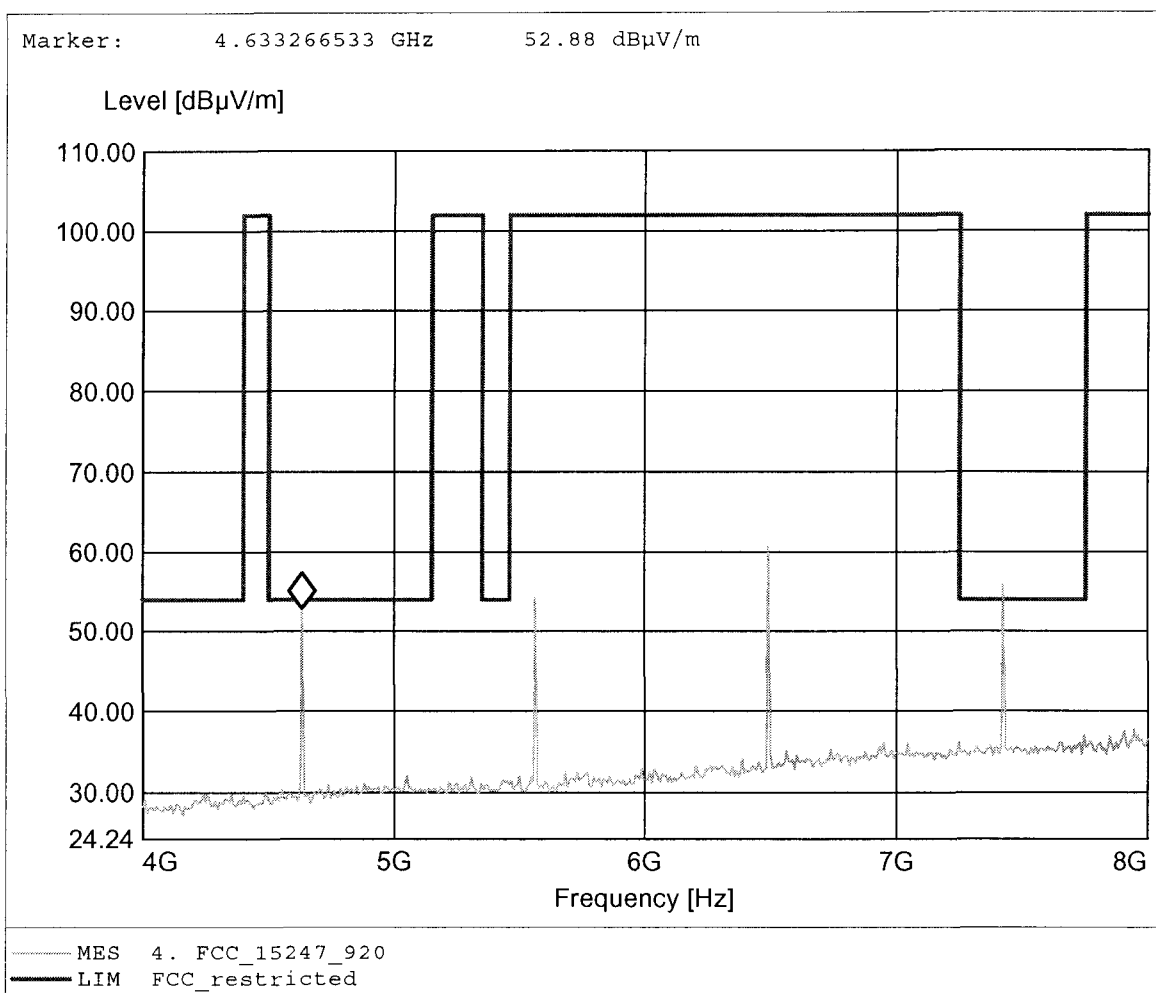
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

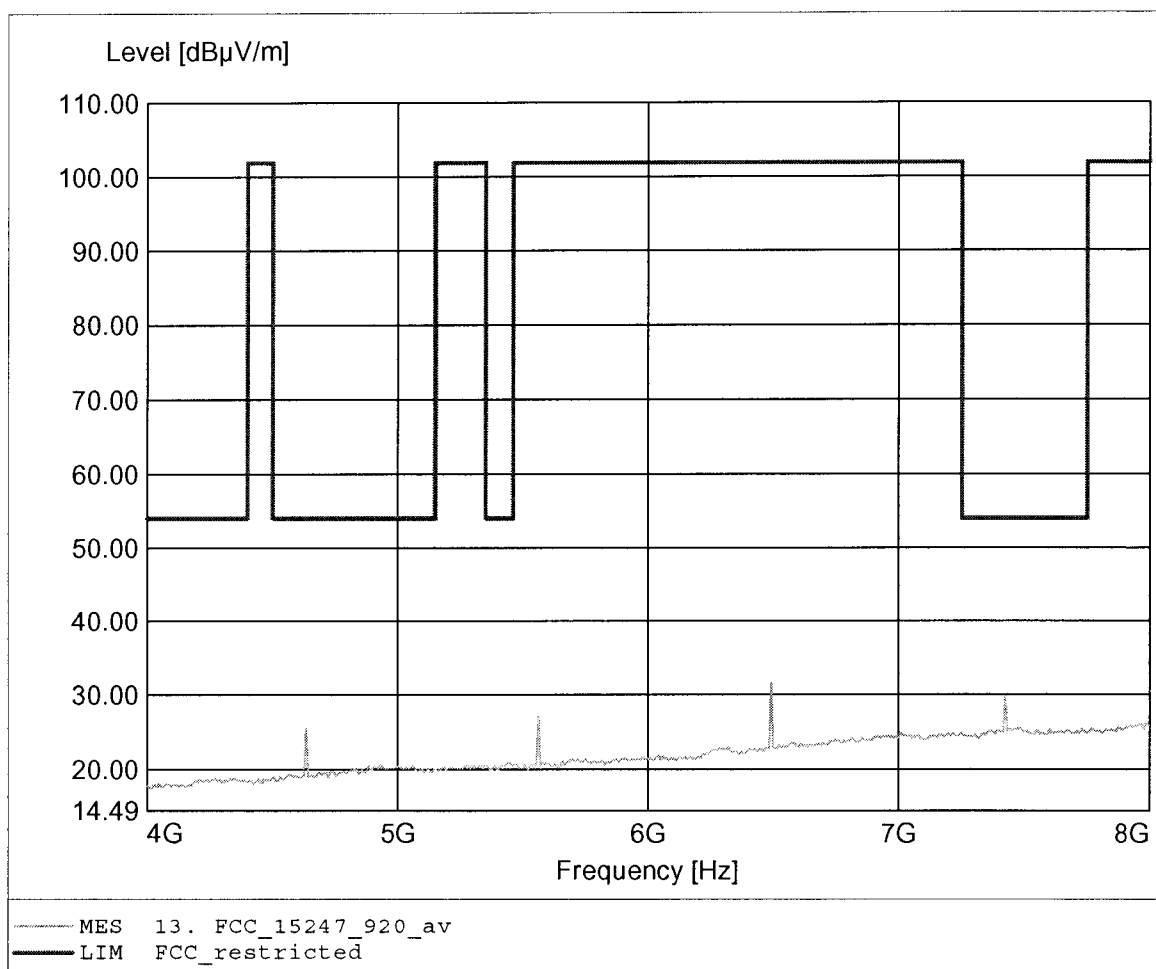
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

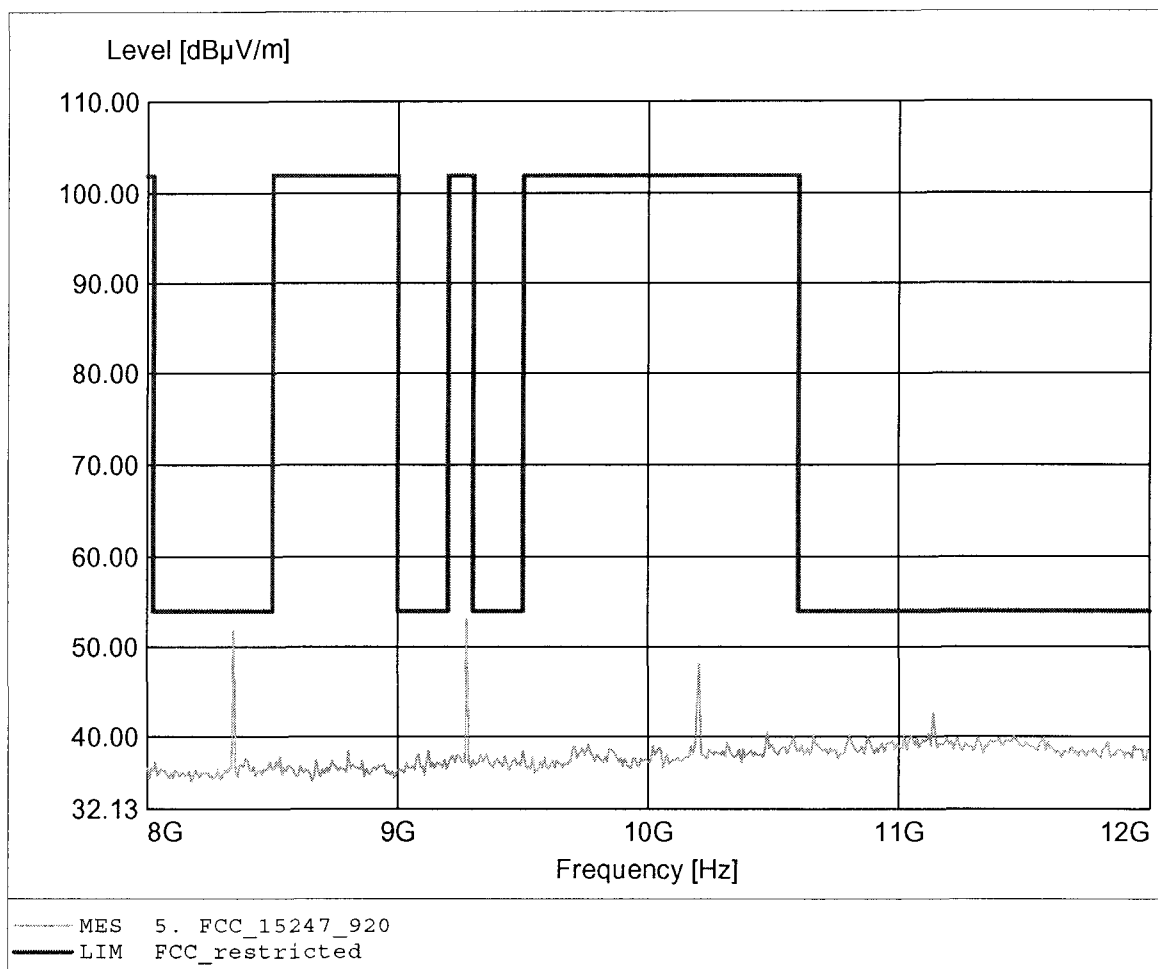
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

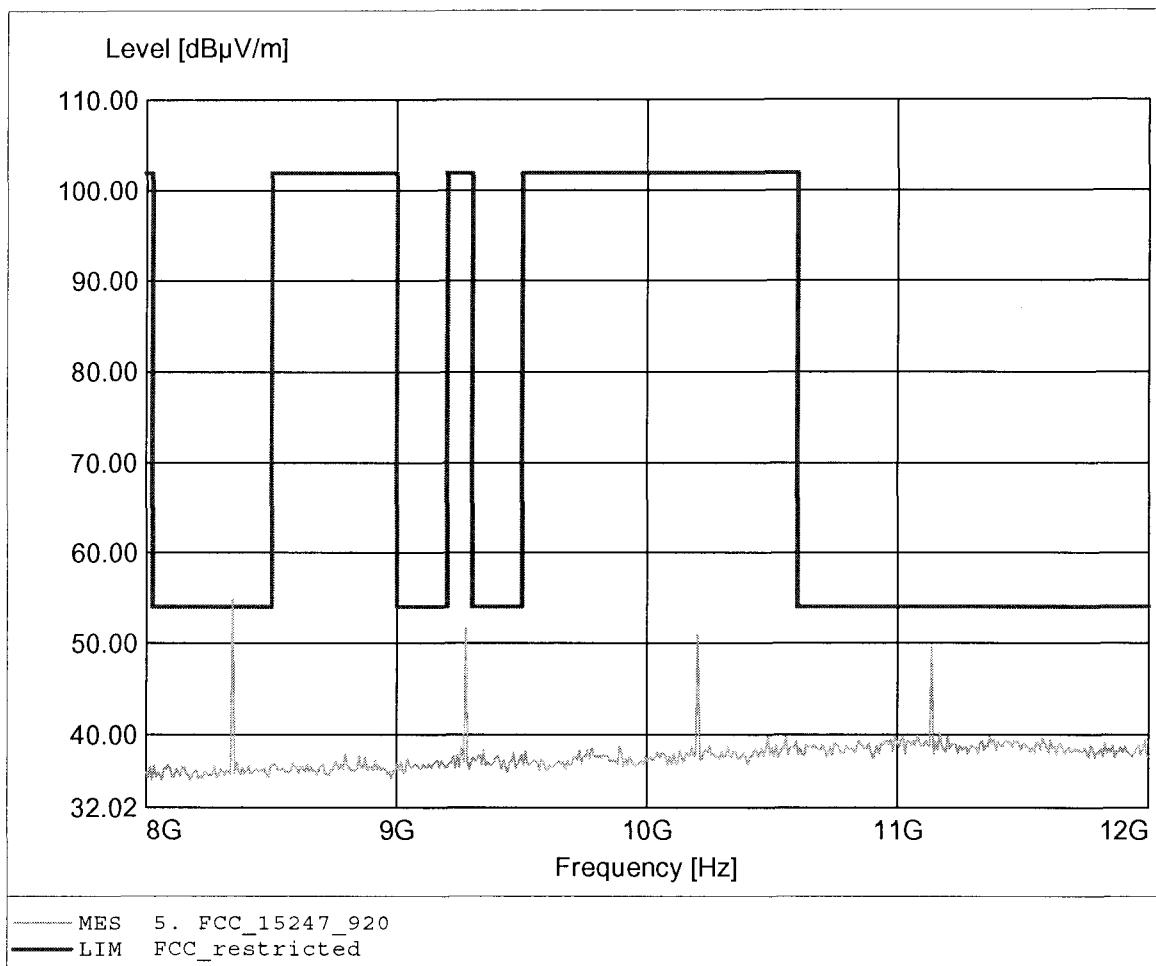
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

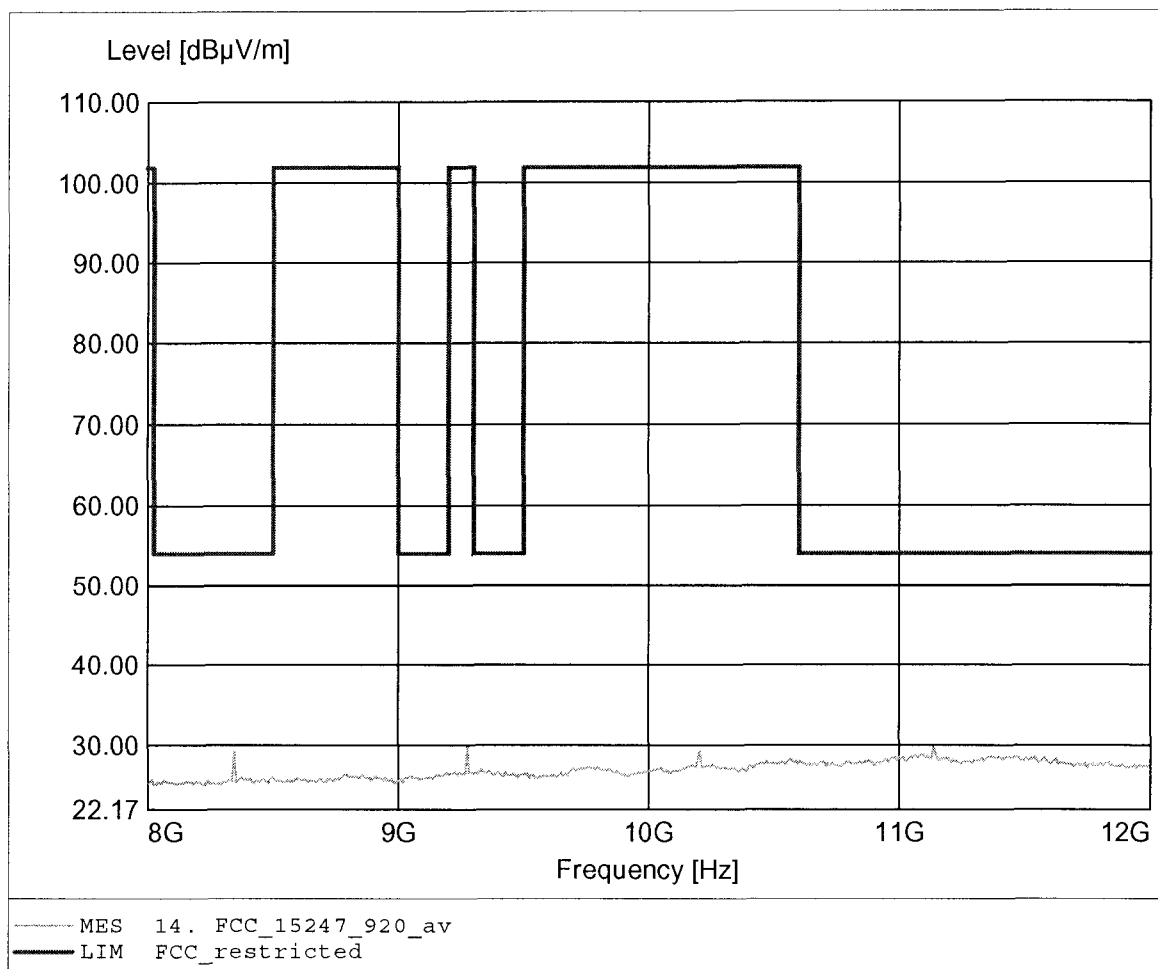
Approval Holder: MSA AUER GmbH
EUT: LRR-Module 915 MHz USA
Model: non EX / Antenna: EXR-902-TN / Ch.: 52
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 6.0 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: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

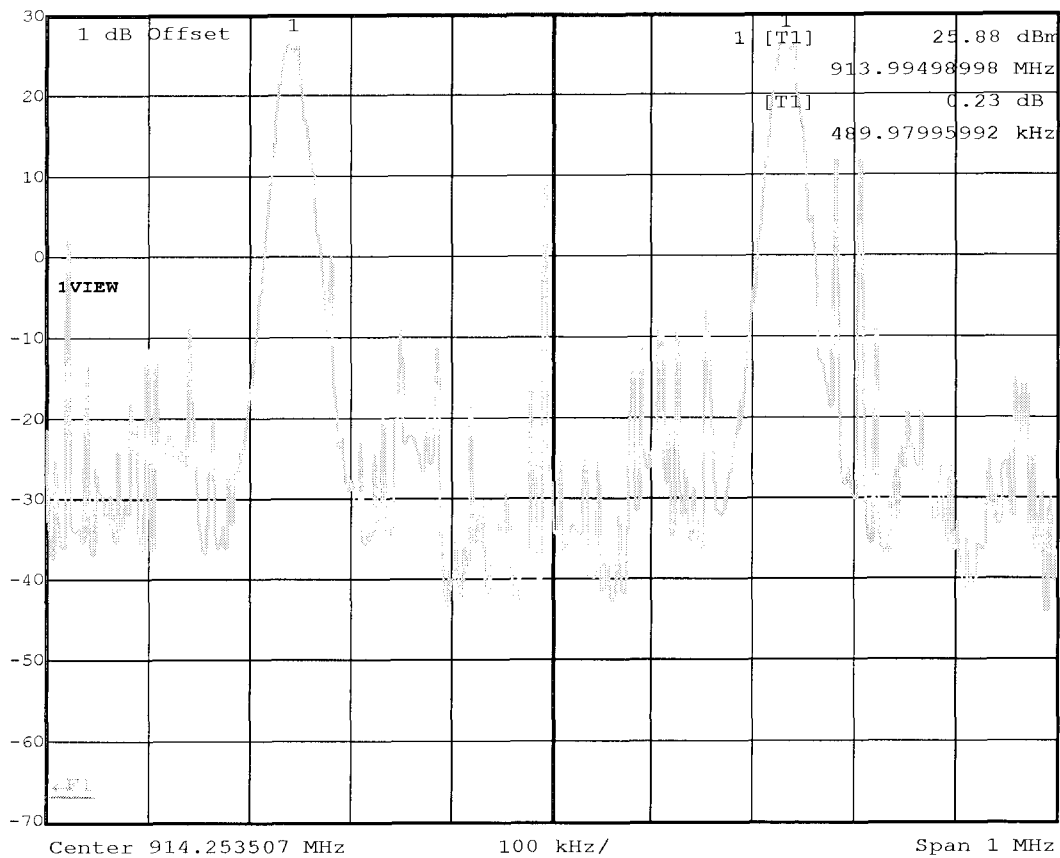
Spurious Emissions conducted - Transmitter operating

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 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

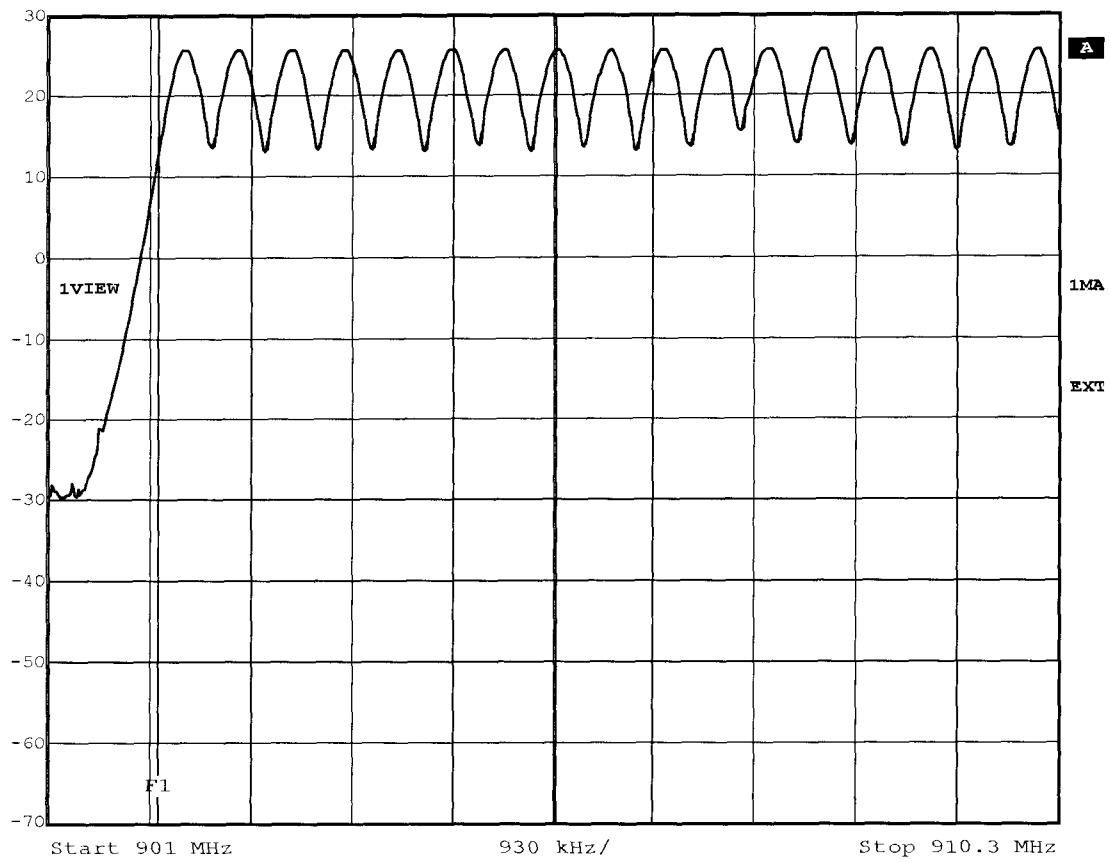
Appendix F

Number of Hopping Frequencies



Ref Lvl
30 dBm

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

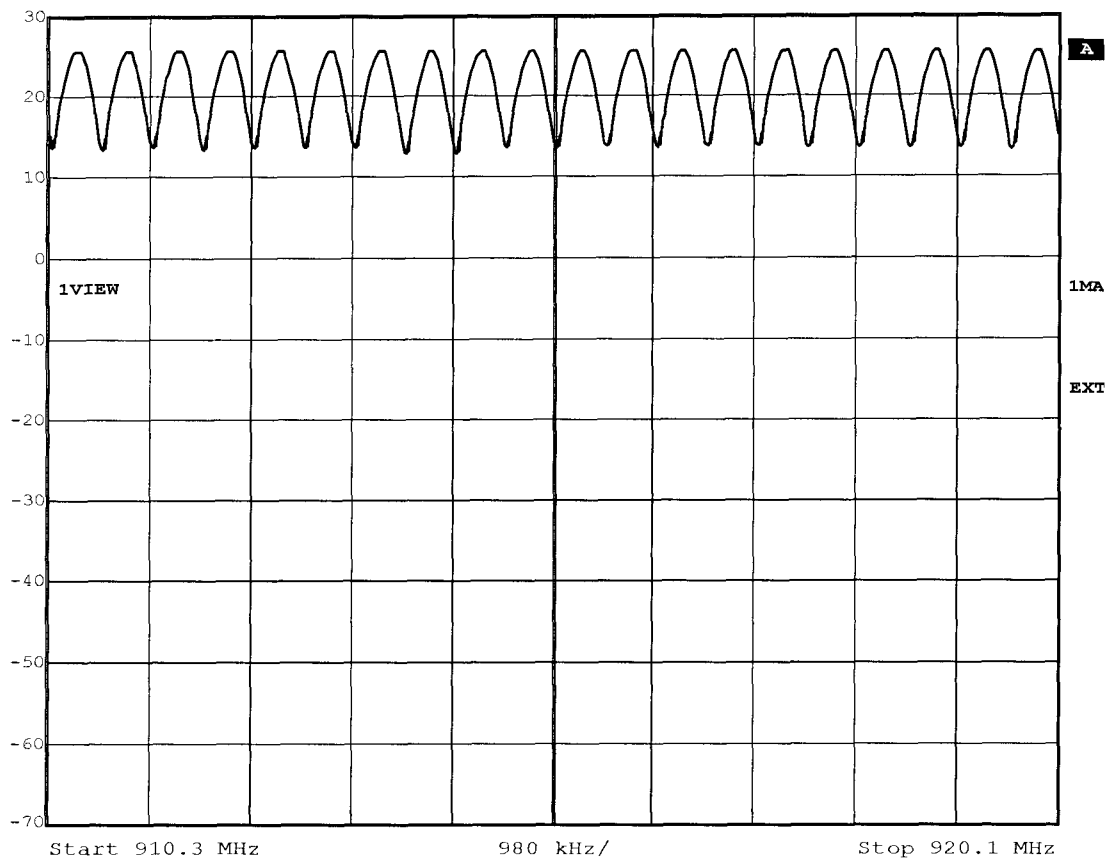


Title: Number of Hopping Frequencies Ch.: 0 - 16
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 25.NOV.2005 10:12:57



Ref Lvl
30 dBm

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

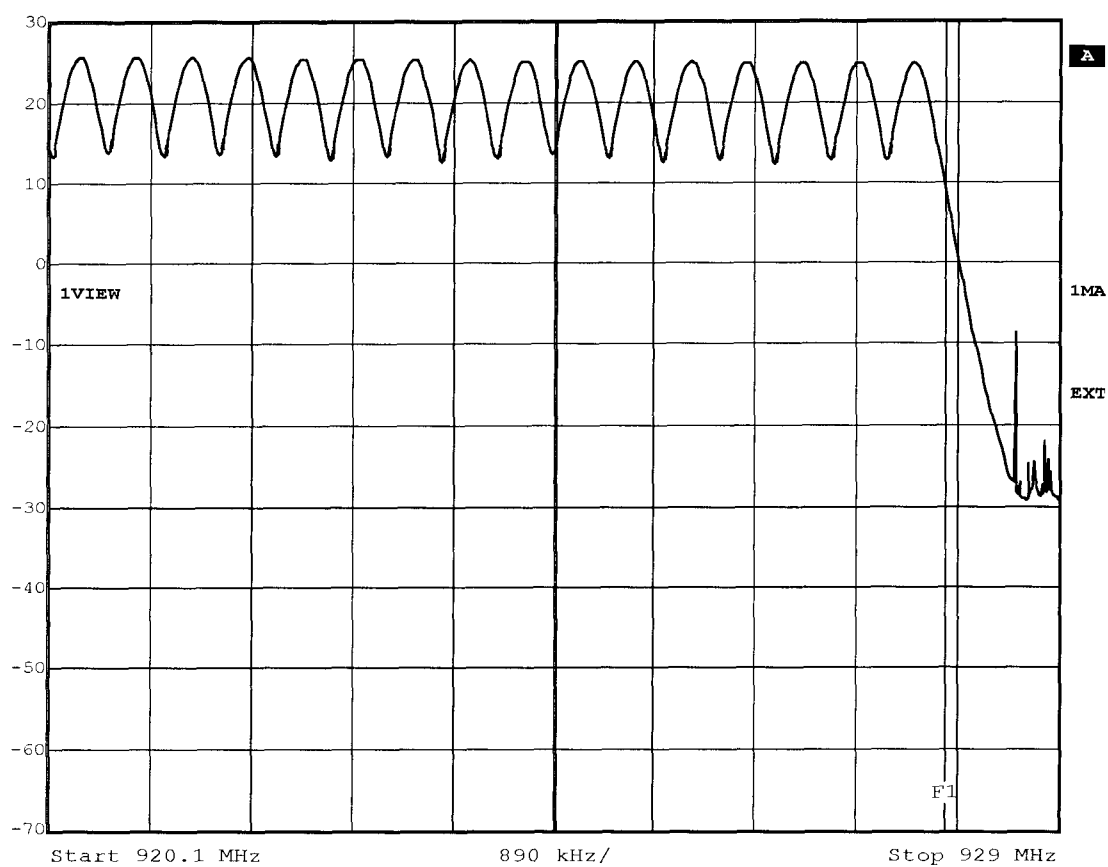


Title: Number of Hopping Frequencies Ch.: 17 - 36
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 25.NOV.2005 10:02:36



Ref Lvl
30 dBm

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



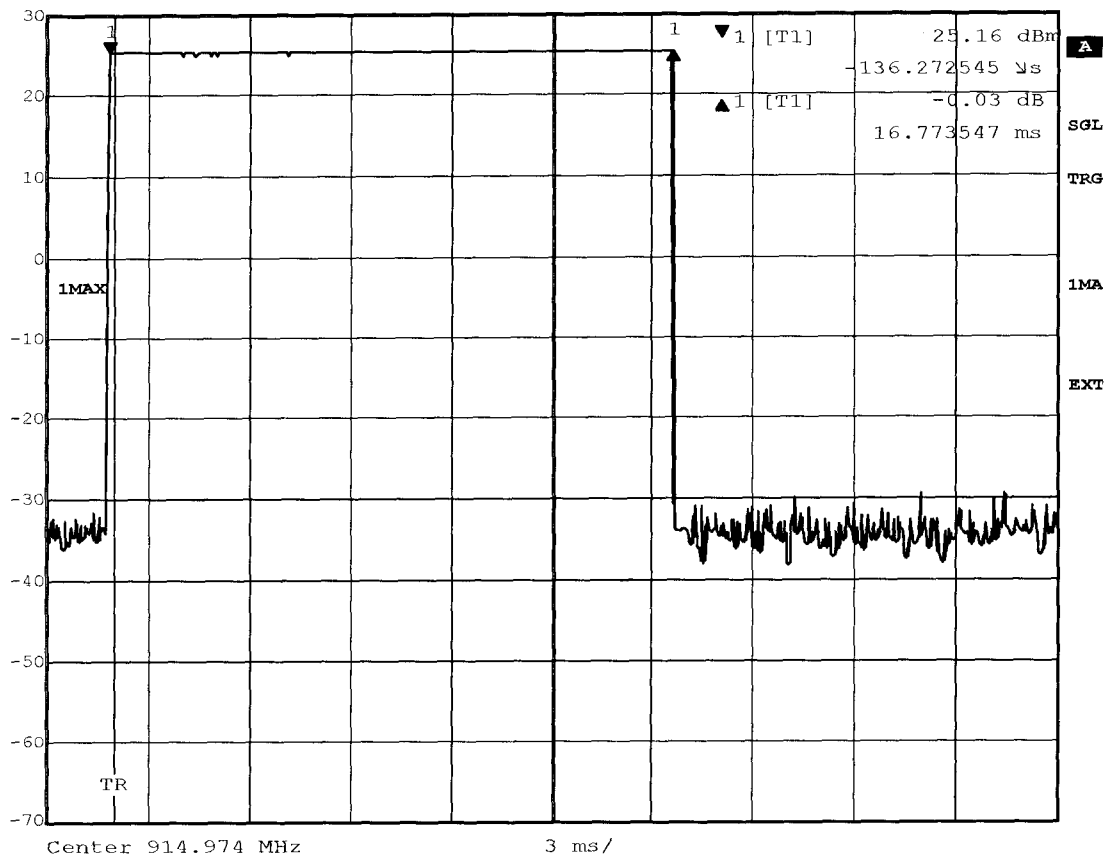
Title: Number of Hopping Frequencies Ch.: 37 - 52
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 25.NOV.2005 10:09:45

Appendix G

Time of Occupancy (Dwell Time)



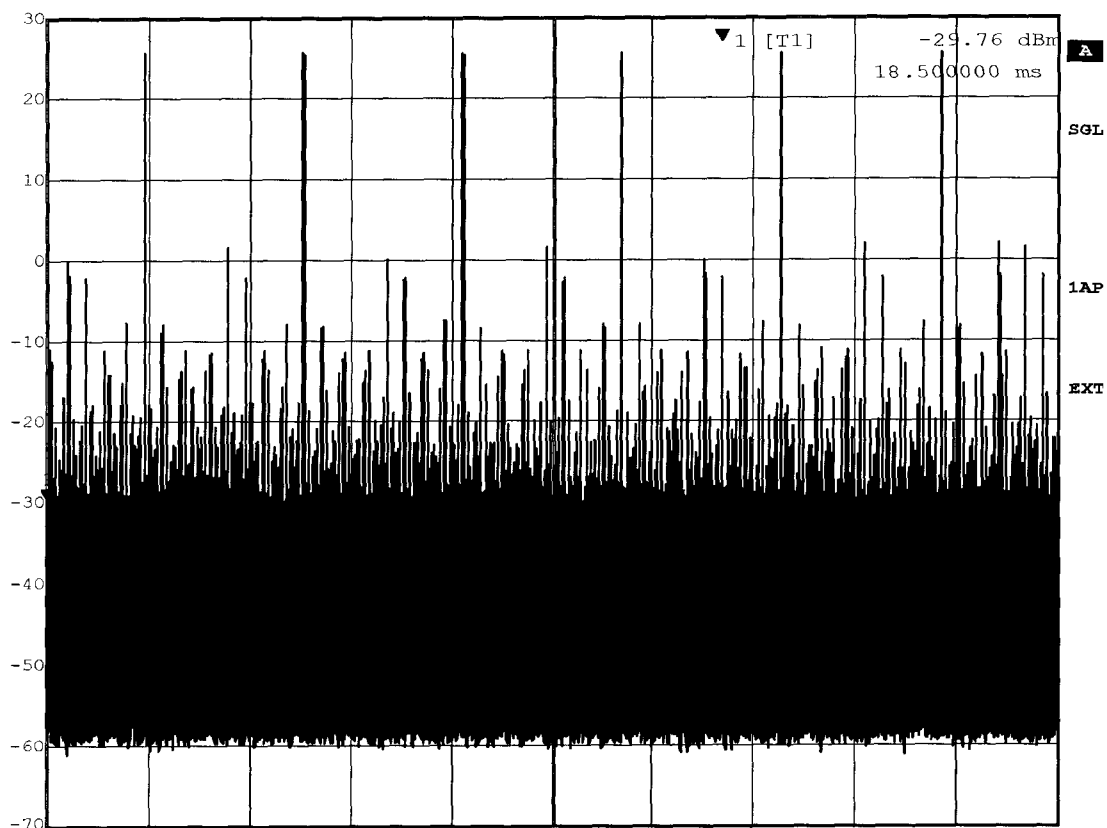
Delta 1 [T1] RBW 100 kHz RF Att 60 dB
Ref Lvl -0.03 dB VBW 100 kHz
30 dBm 16.773547 ms SWT 30 ms Unit dBm



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/

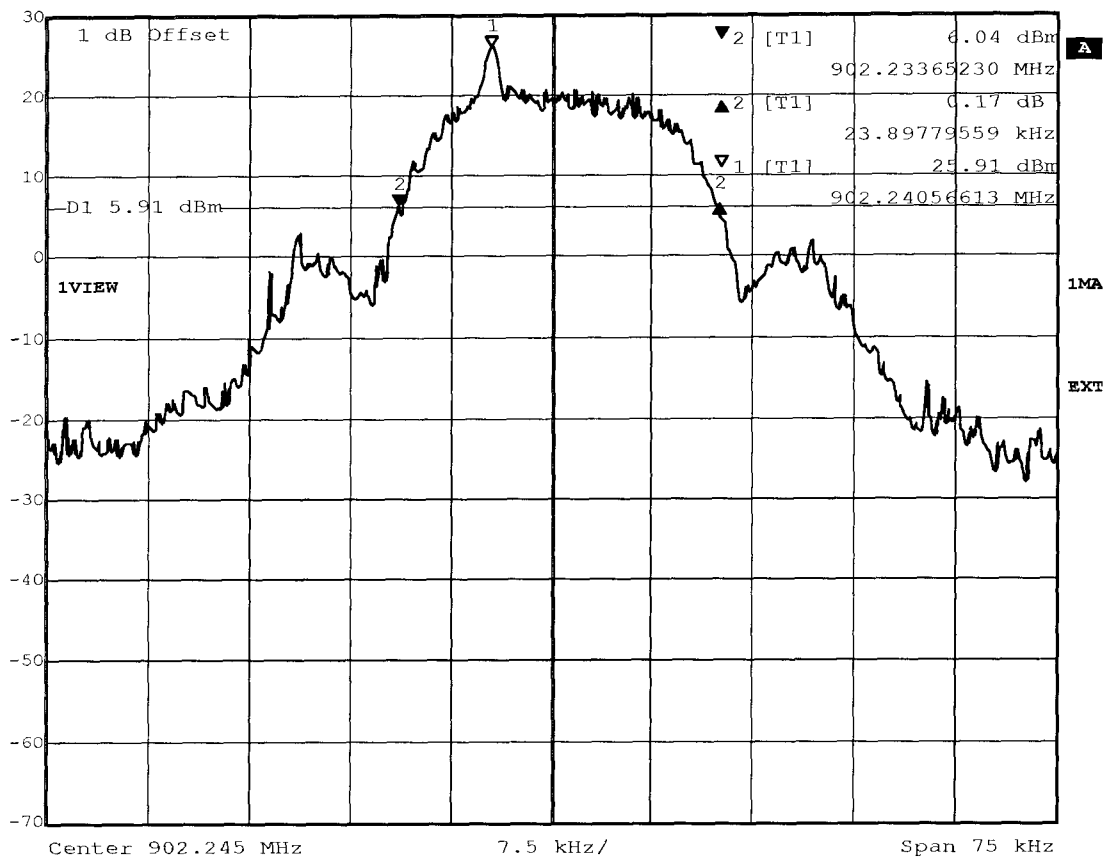
Title: Time of occupancy: 6 events * 16.773ms = 100.6 ms
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 25.NOV.2005 10:57:11

Appendix H

20dB Bandwidth



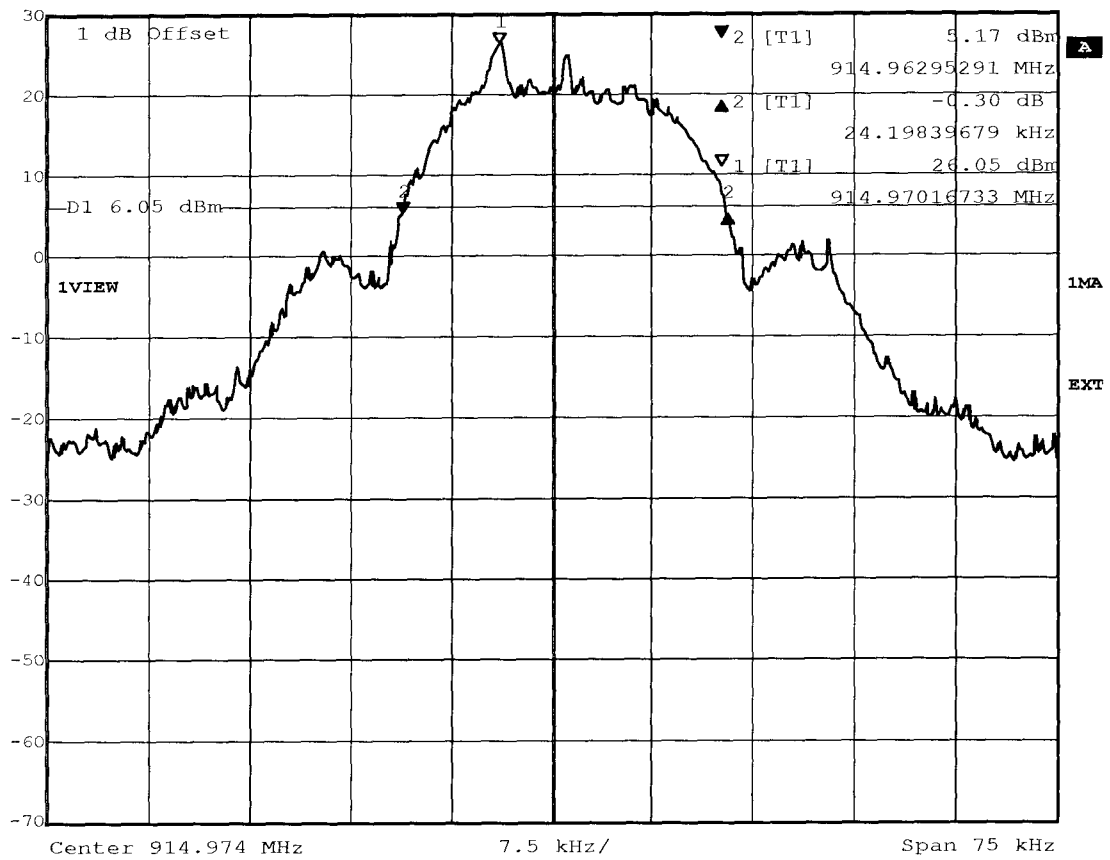
Delta 2 [T1] RBW 1 kHz RF Att 50 dB
Ref Lvl 0.17 dB VBW 1 kHz
30 dBm 23.89779559 kHz SWT 190 ms Unit dBm



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



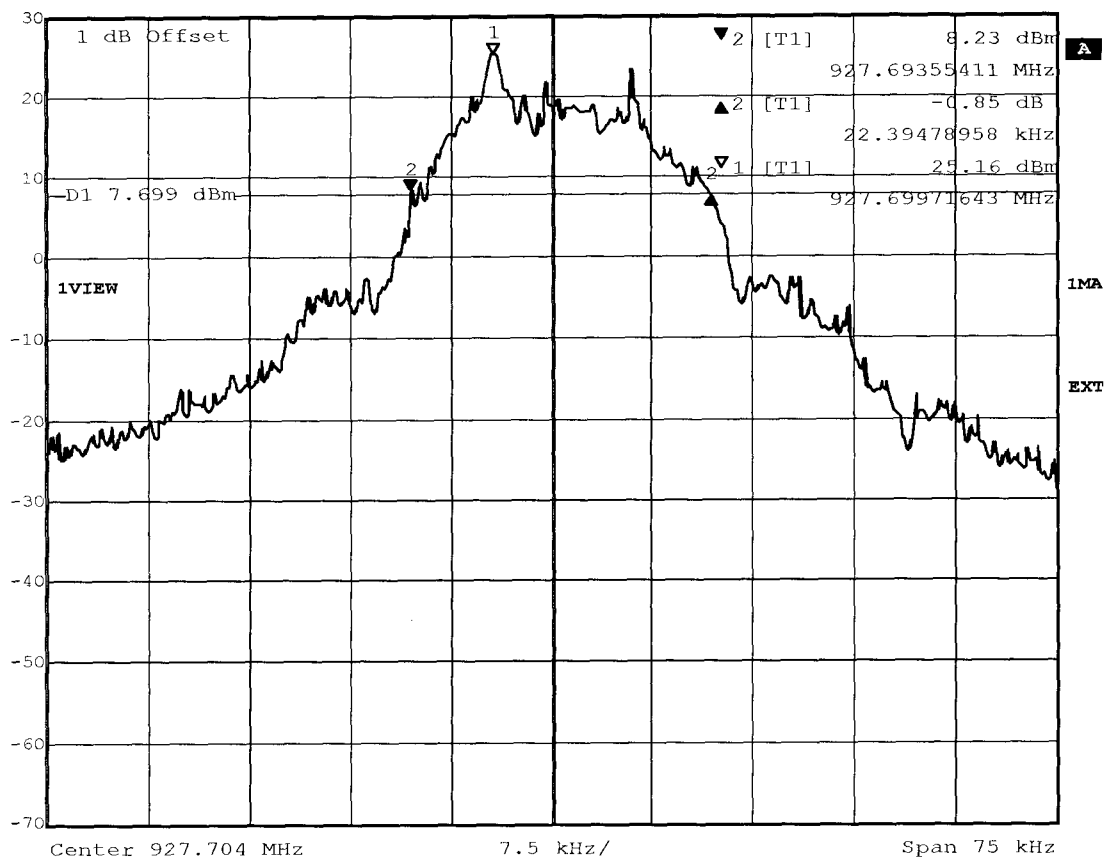
Delta 2 [T1] RBW 1 kHz RF Att 50 dB
Ref Lvl -0.30 dB VBW 1 kHz
30 dBm 24.19839679 kHz SWT 190 ms Unit dBm



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



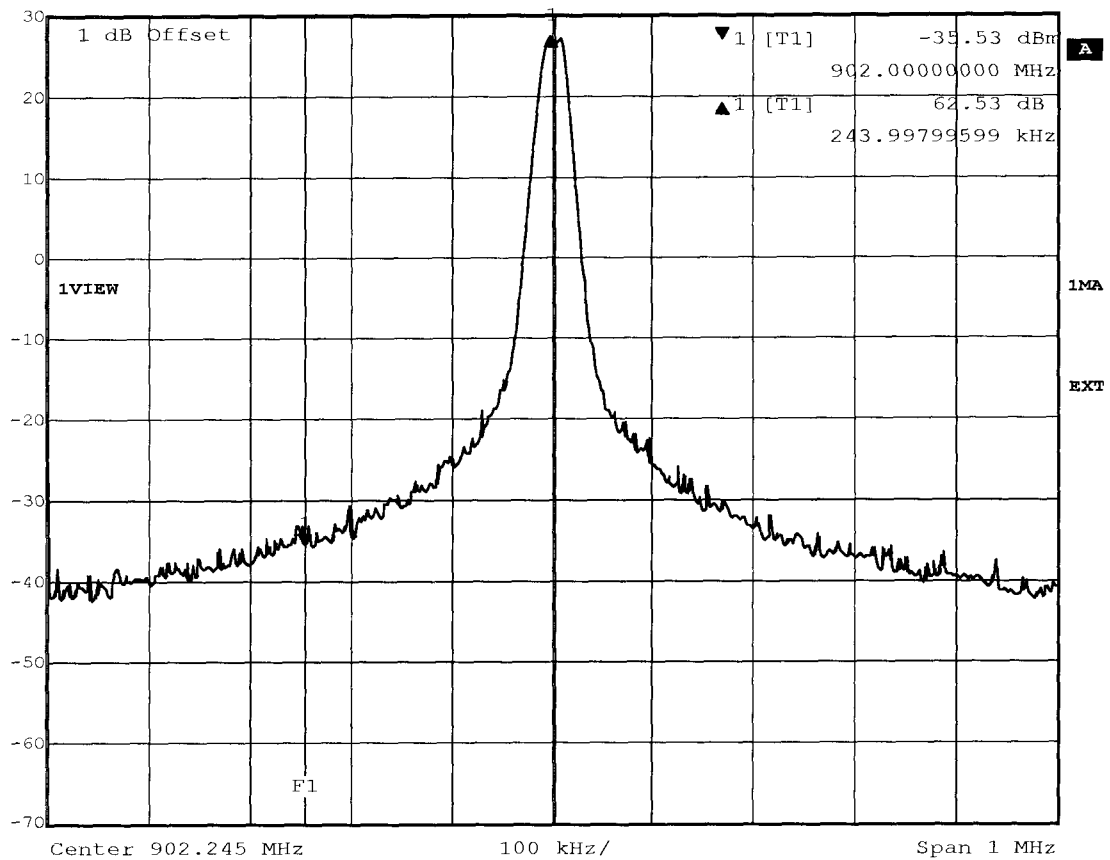
Title: 20 dB Bandwidth Ch.: 52
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 10:14:19

Appendix I

Band-edge Compliance of RF Emissions



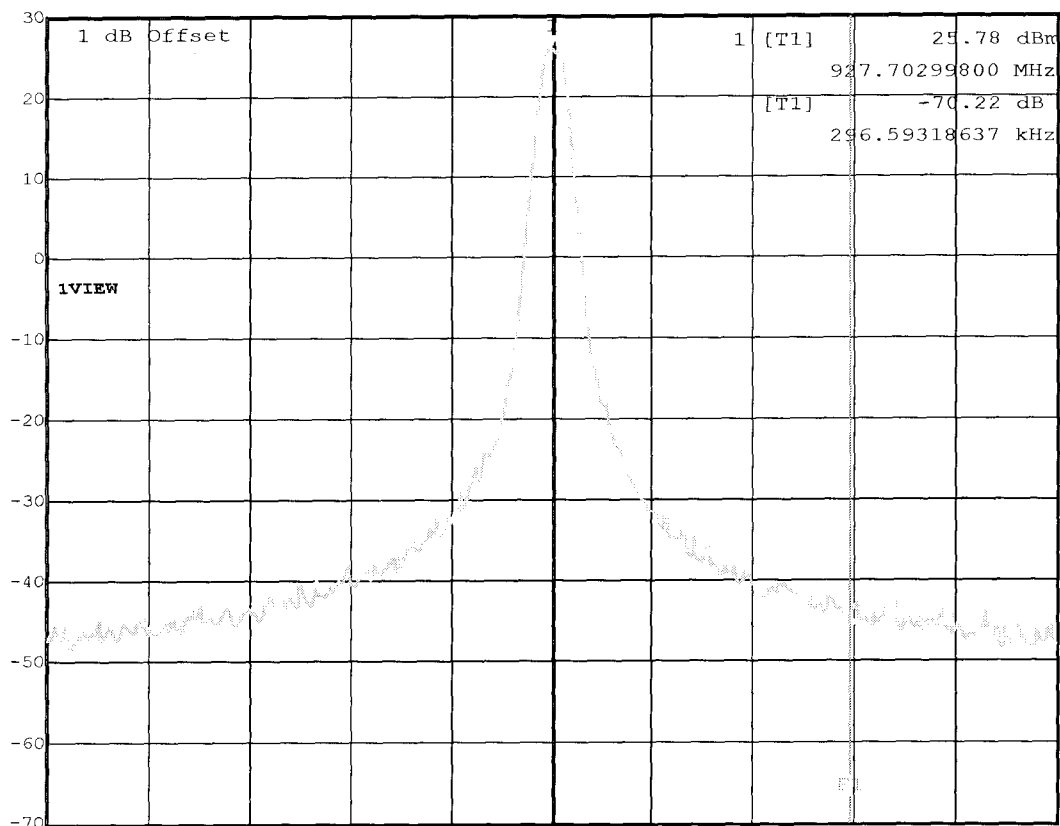
Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl 62.53 dB VBW 10 kHz
30 dBm 243.99799599 kHz SWT 25 ms Unit dBm



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 d VBW 10 kHz
30 dBm 296.59318637 kHz SWT 25 ms Unit dBm

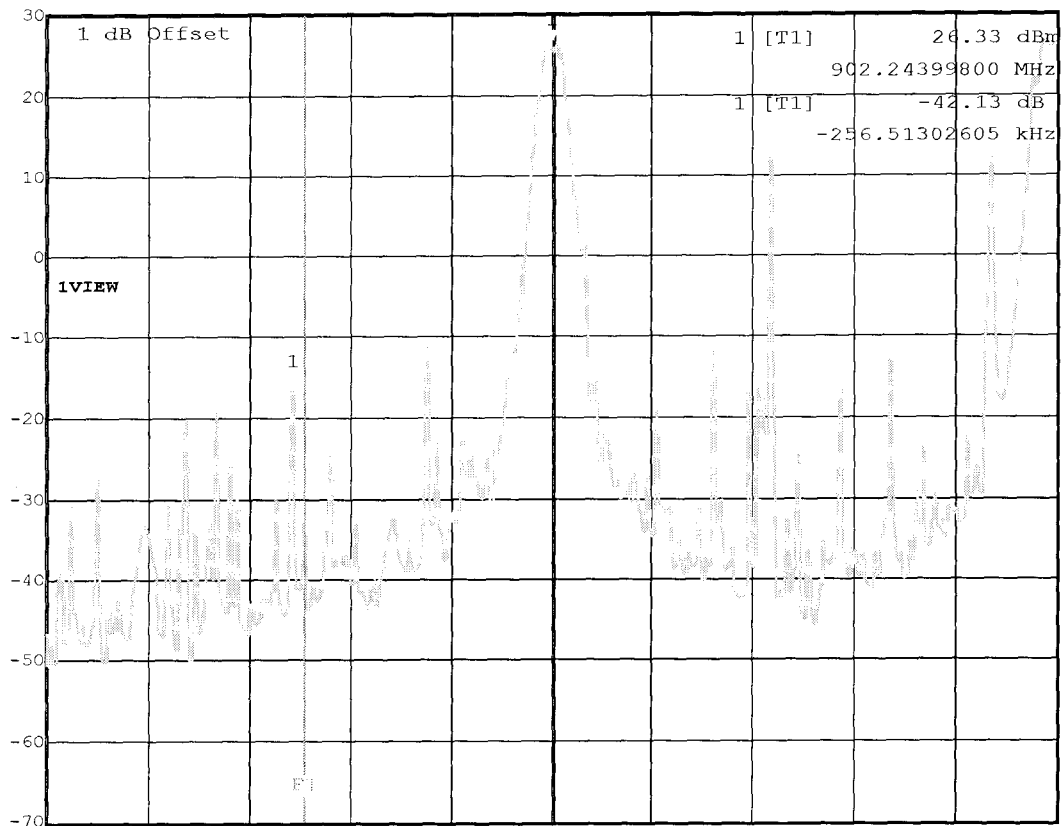


Center 927.704 MHz 100 kHz/ Span 1 MHz

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

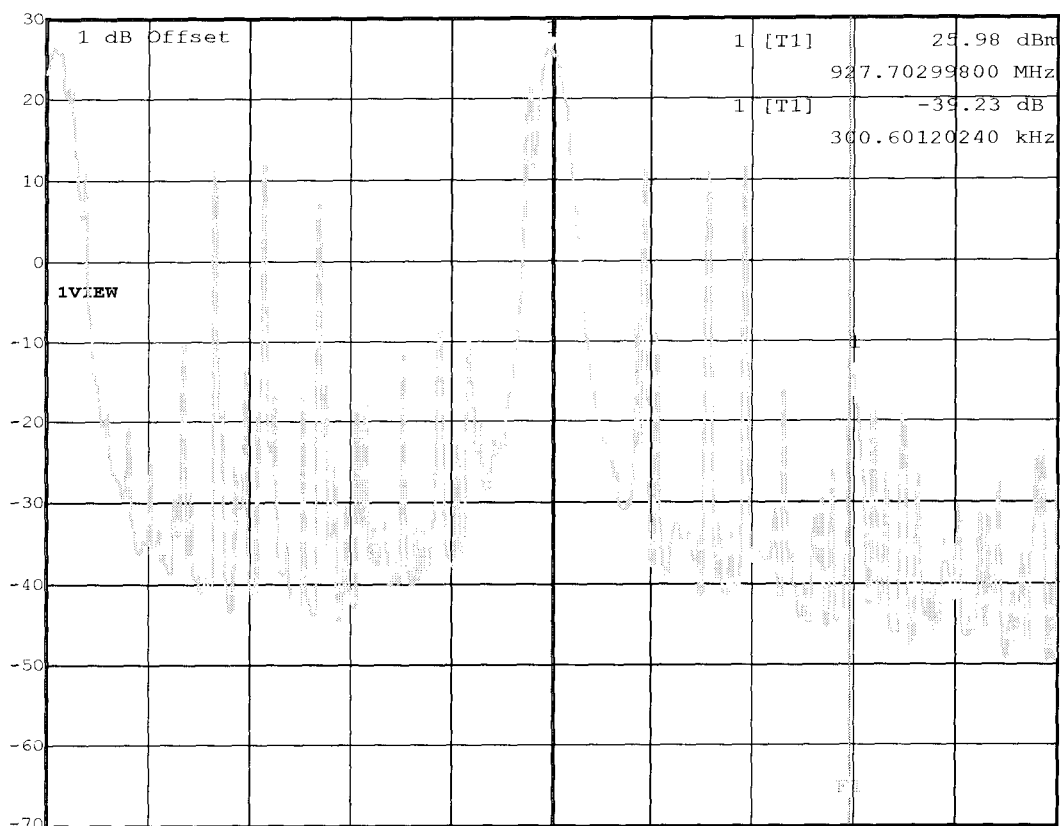


Center 902.245 MHz 100 kHz/ Span 1 MHz

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



Center 927.704 MHz 100 kHz/ Span 1 MHz

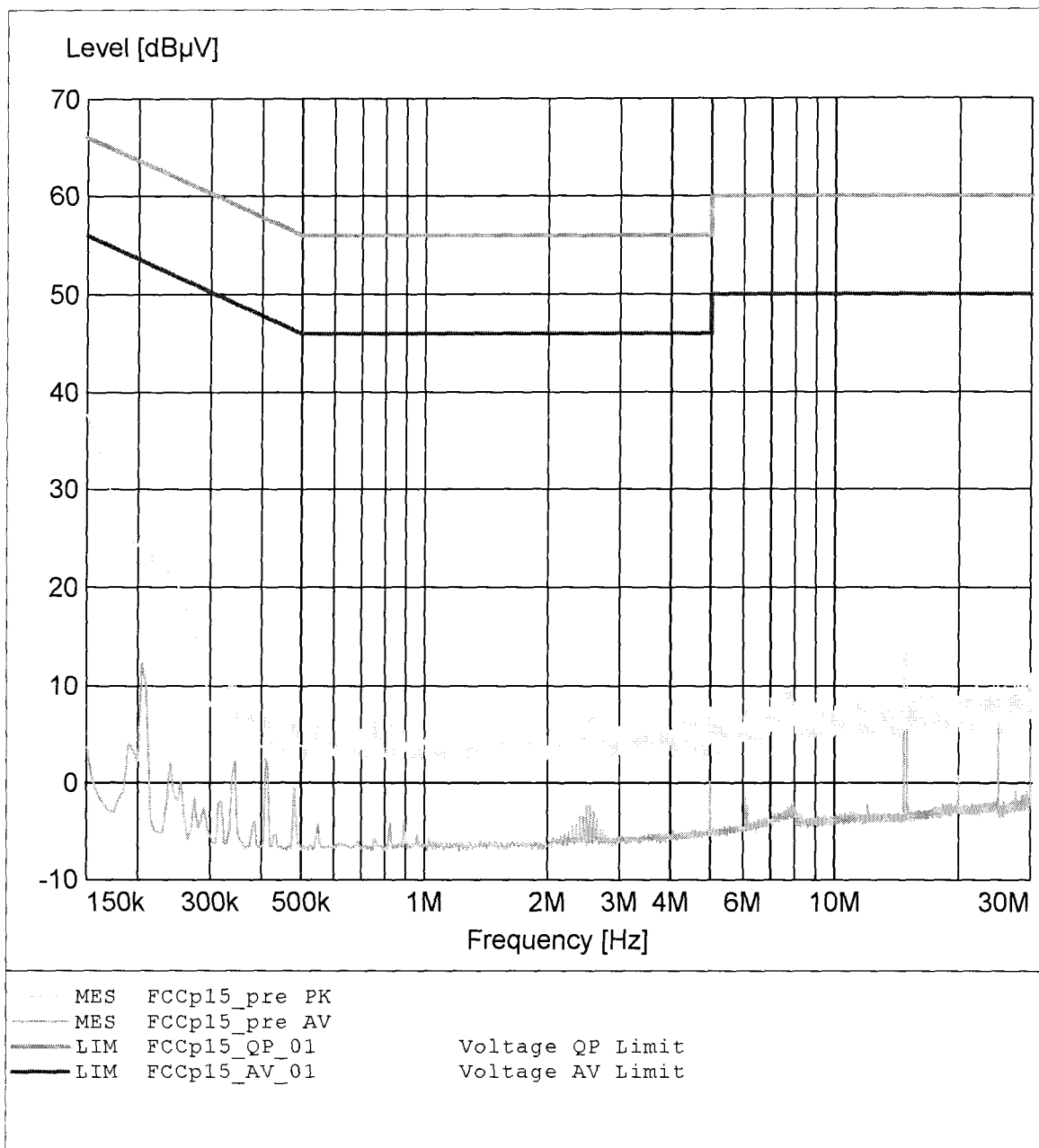
Title: Band - edge compliance hopping mode Ch.: 52
Comment A: MSA AUER GmbH / LRR Module 915 MHz / non EX
Date: 24.NOV.2005 14:45:54

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

