

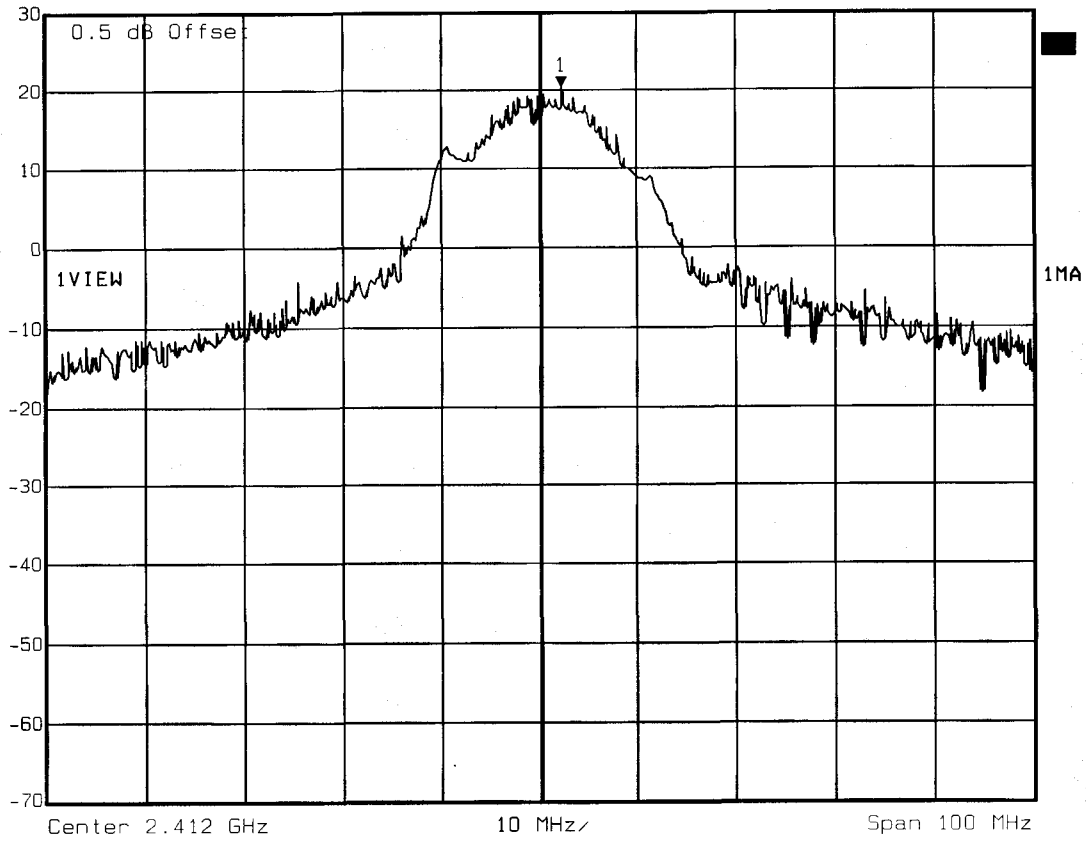


Appendix B

Peak Output Power



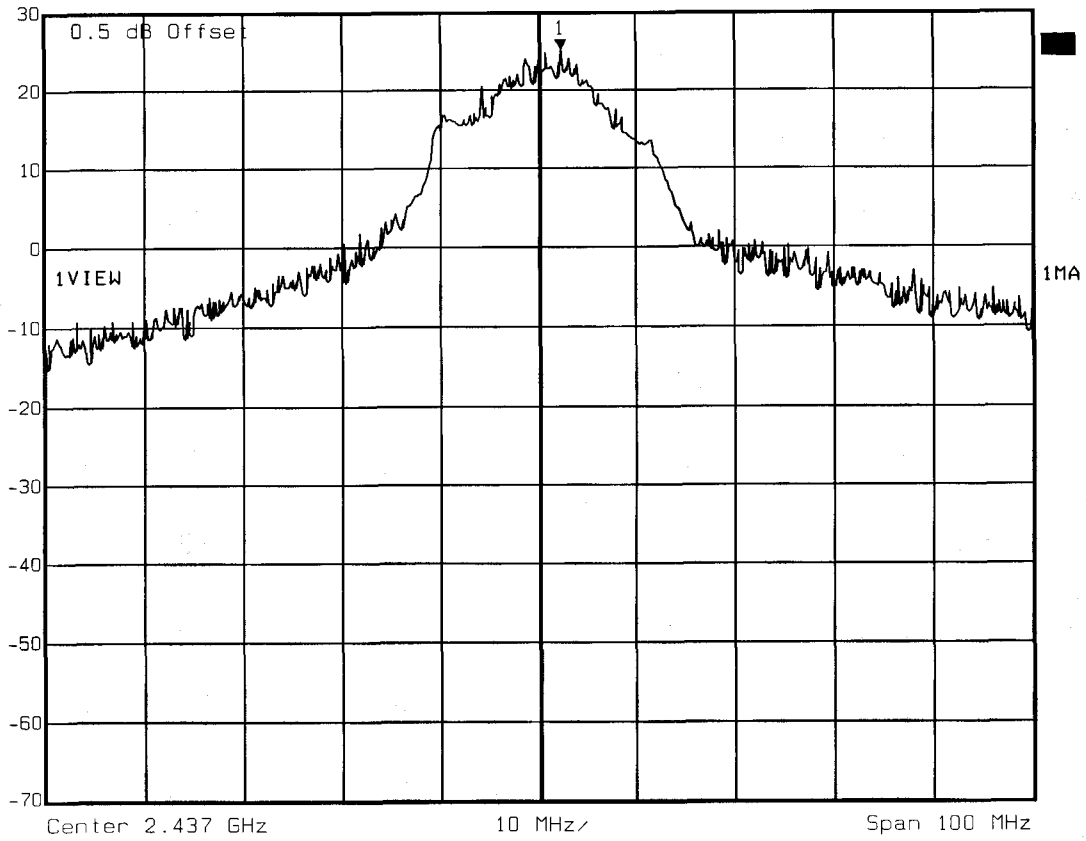
Marker 1 [T1] RBW 10 MHz RF Att 50 dB
Ref Lvl 20.46 dBm VBW 10 MHz
30 dBm 2.41430461 GHz SWT 1 s Unit dBm



Title: conducted output power
Comment A: Sigma / Connection Central / 2412MHz
Date: 21.SEP.2005 15:25:01



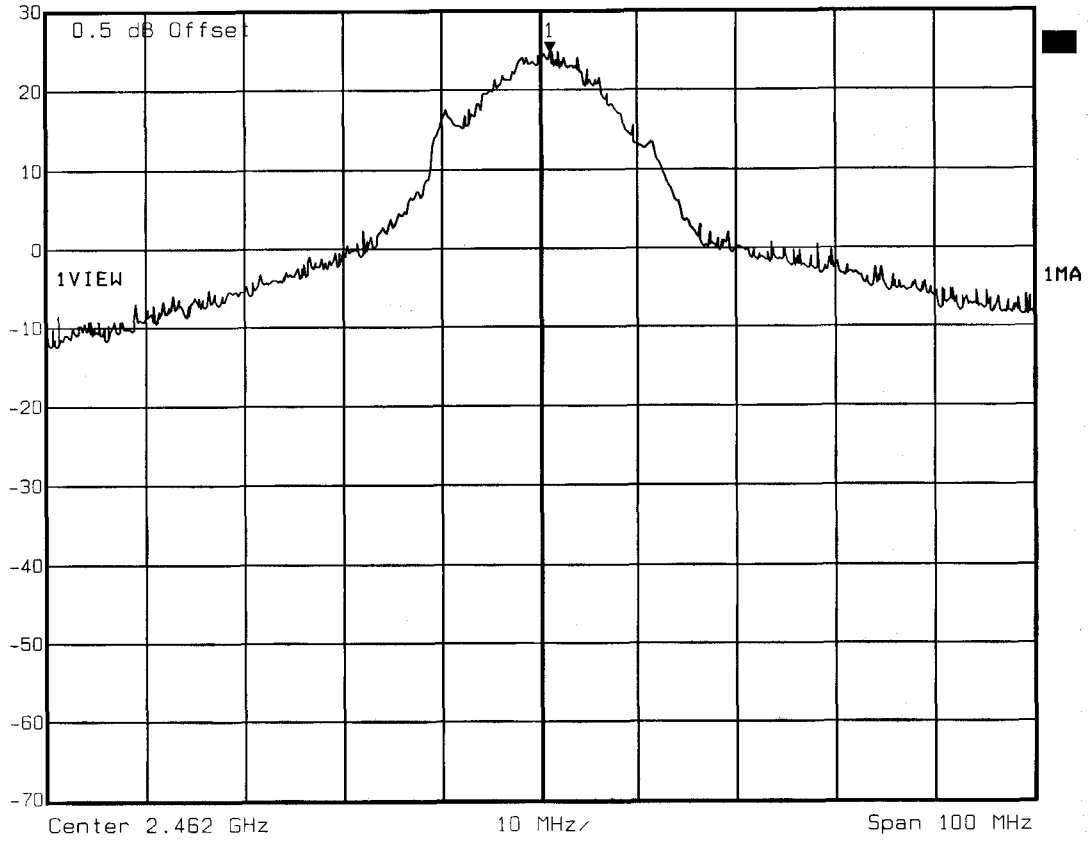
Marker 1 [T1] RBW 10 MHz RF Att 50 dB
Ref Lvl 25.20 dBm VBW 10 MHz
30 dBm 2.43930461 GHz SWT 1 s Unit dBm



Title: conducted output power
Comment A: Sigma / Connection Central / 2437MHz
Date: 21.SEP.2005 15:27:44



Marker 1 [T1] RBW 10 MHz RF Att 50 dB
Ref Lvl 24.73 dBm VBW 10 MHz
30 dBm 2.46310220 GHz SWT 1 s Unit dBm



Title: conducted output power
Comment A: Sigma / Connection Central / 2462MHz
Date: 21.SEP.2005 15:47:02



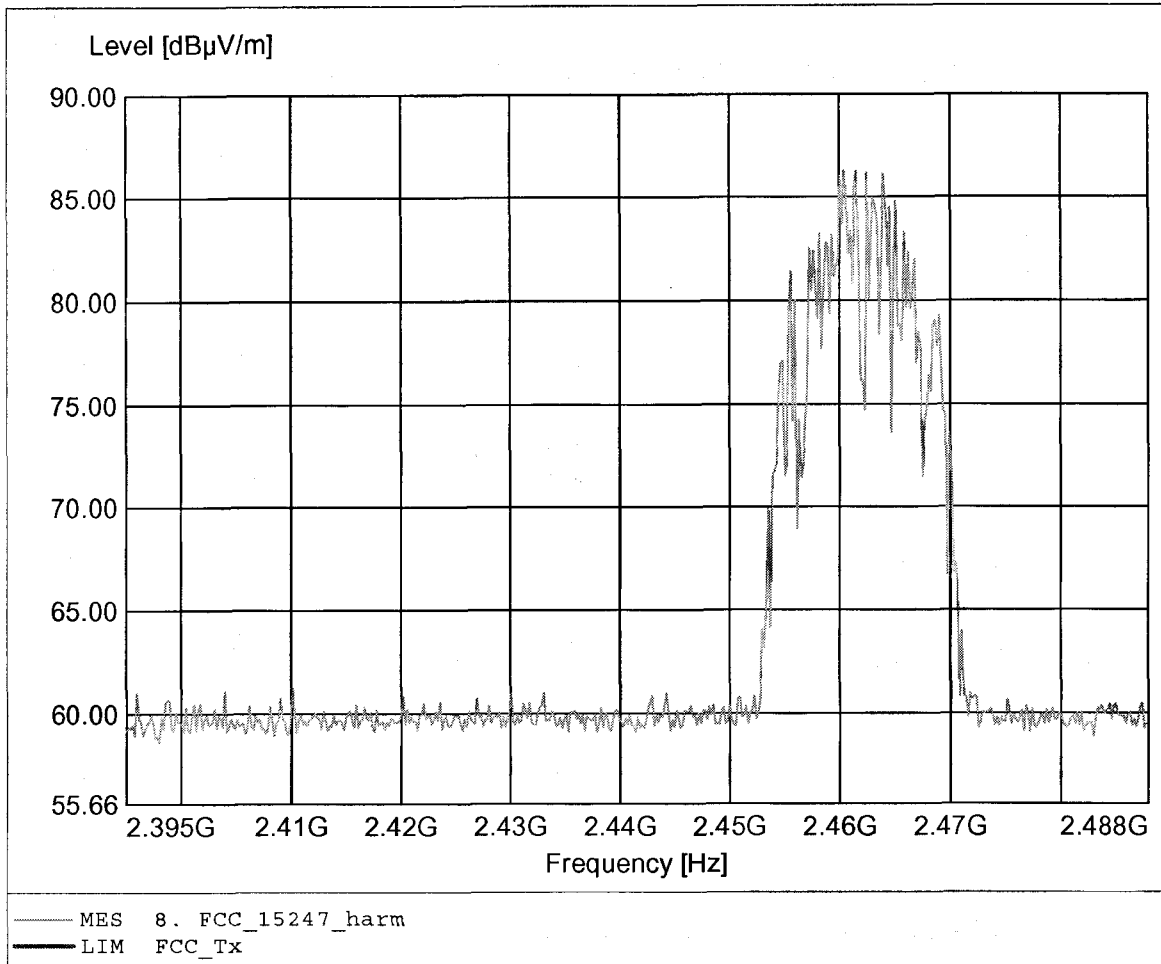
Appendix C

Spurious Emissions radiated - Transmitter operating

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

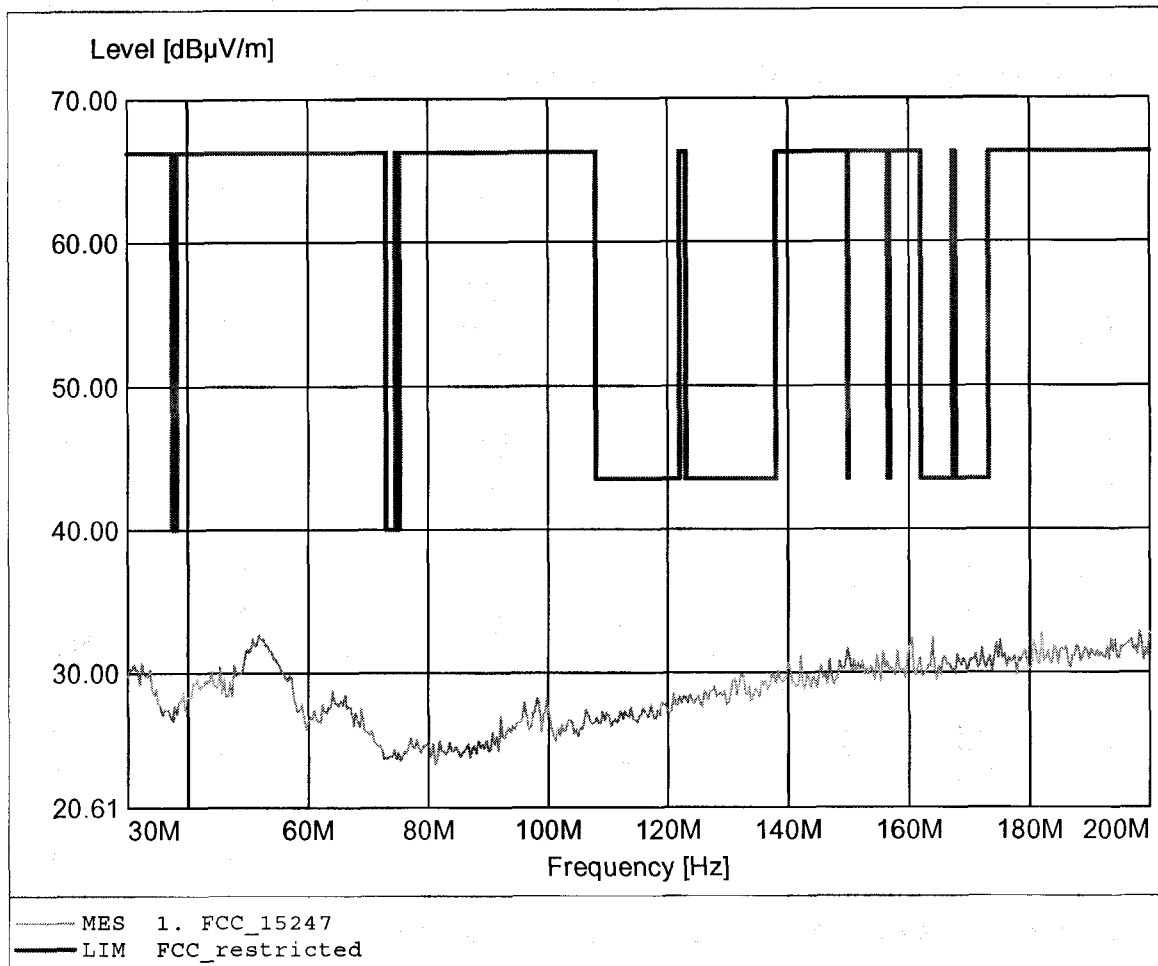
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.460GHz, Emax: 86.26dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

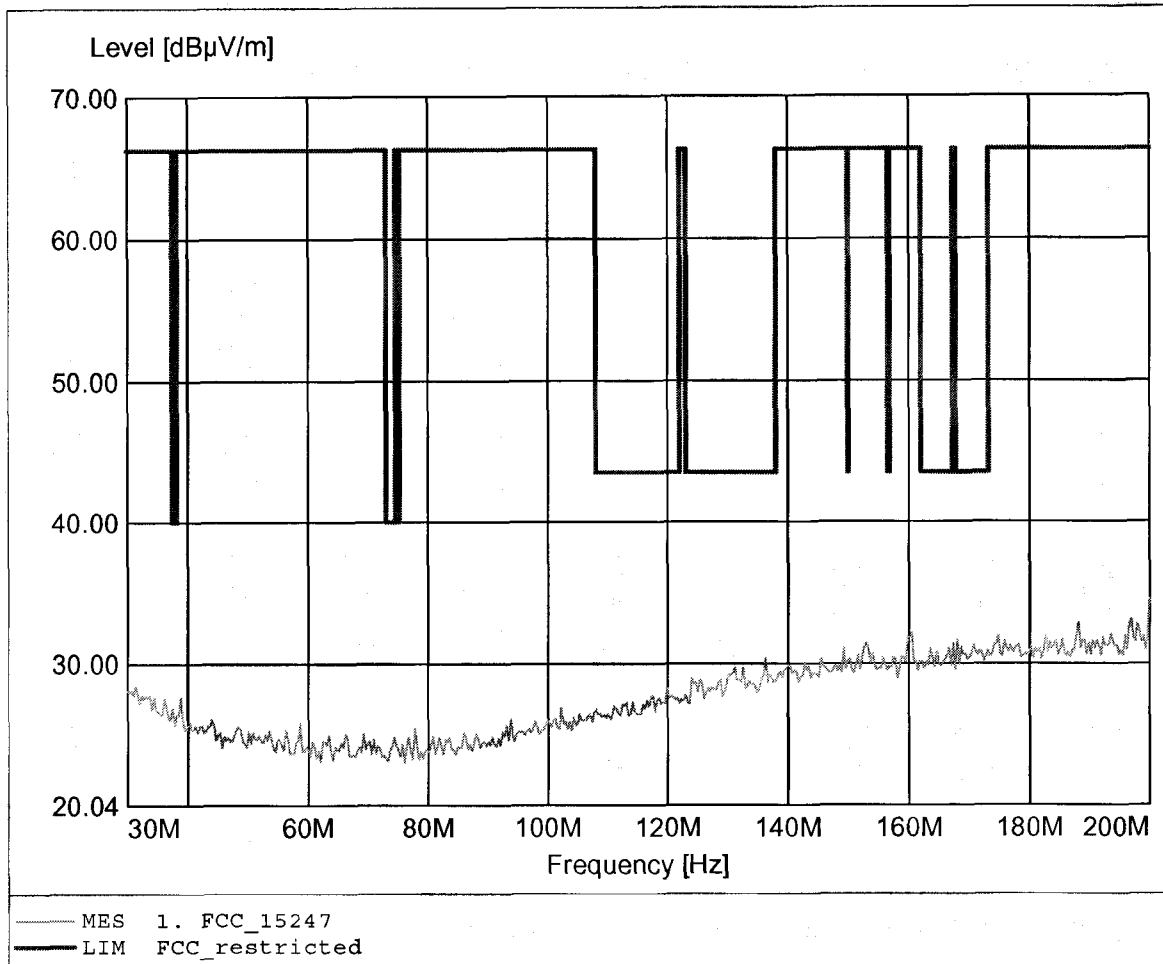
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.297MHz, Emax: 32.82dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

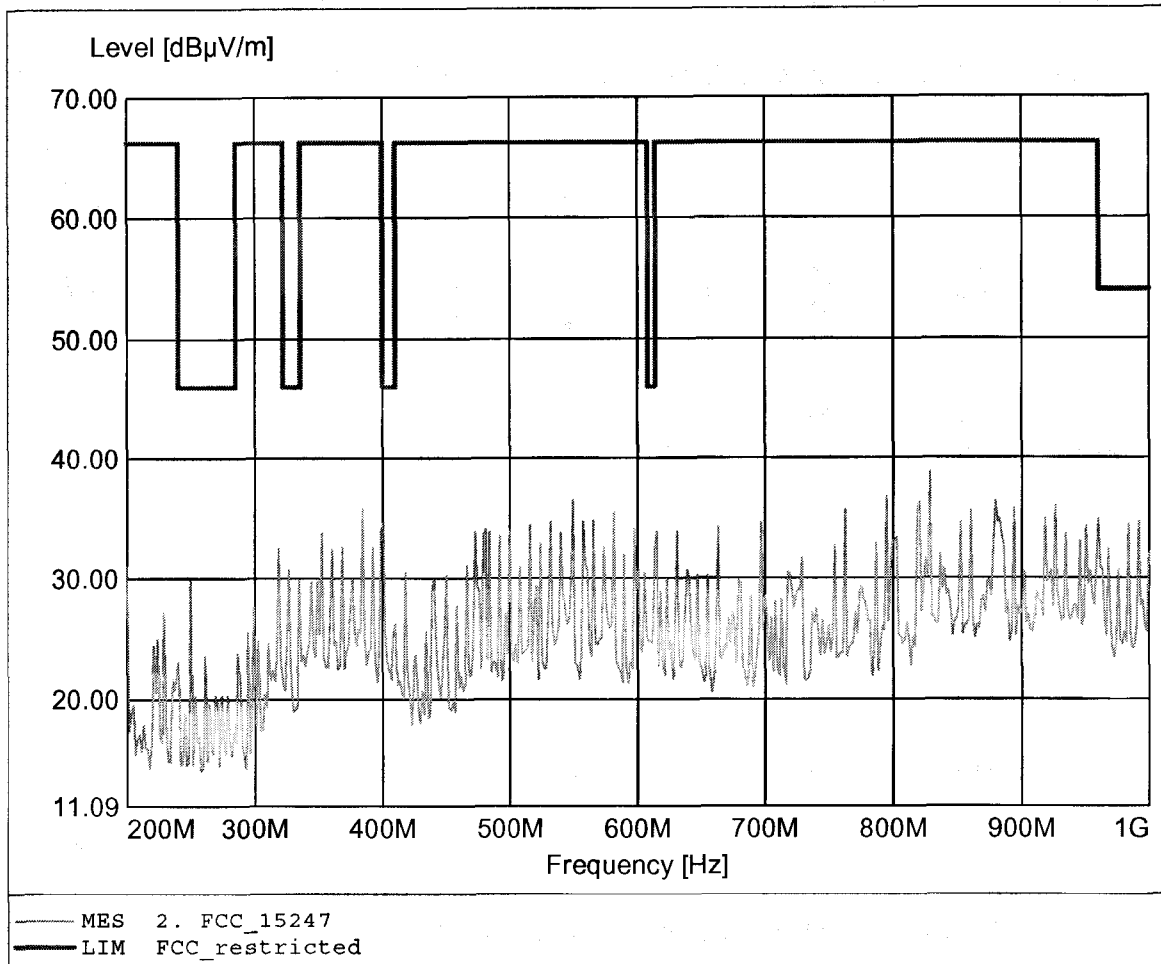
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Emax: 34.53dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

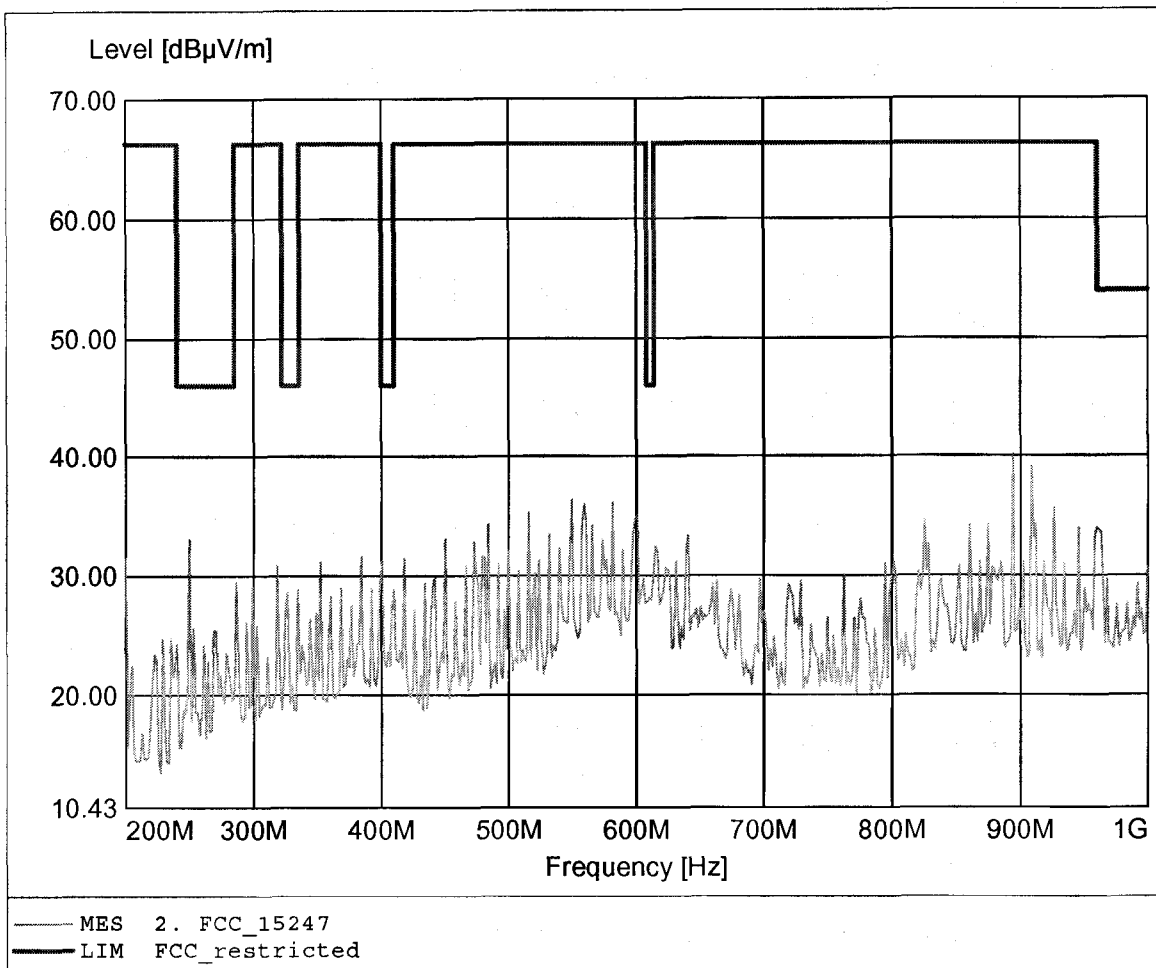
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 828.457MHz, Emax: 38.78dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

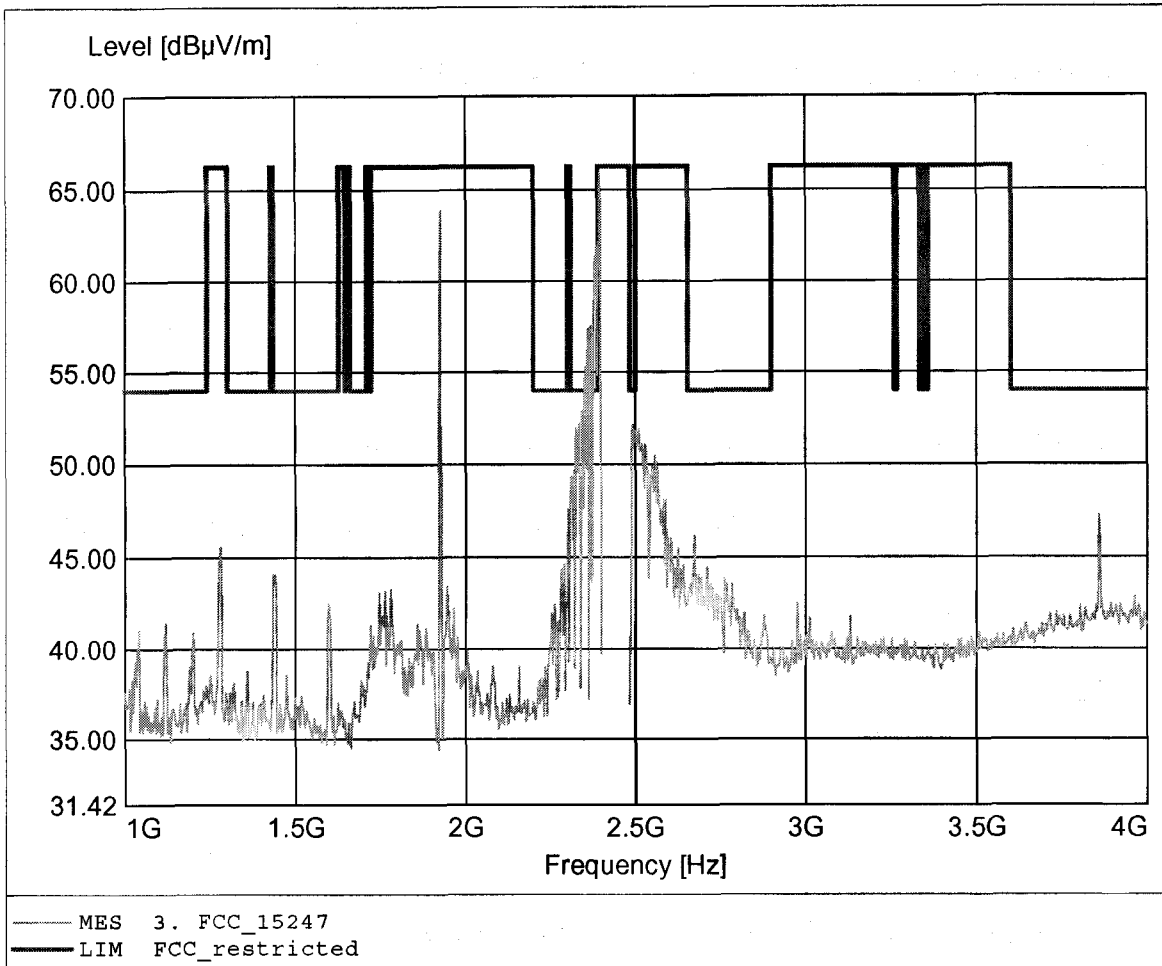
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 894.188MHz, Emax: 40.09dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

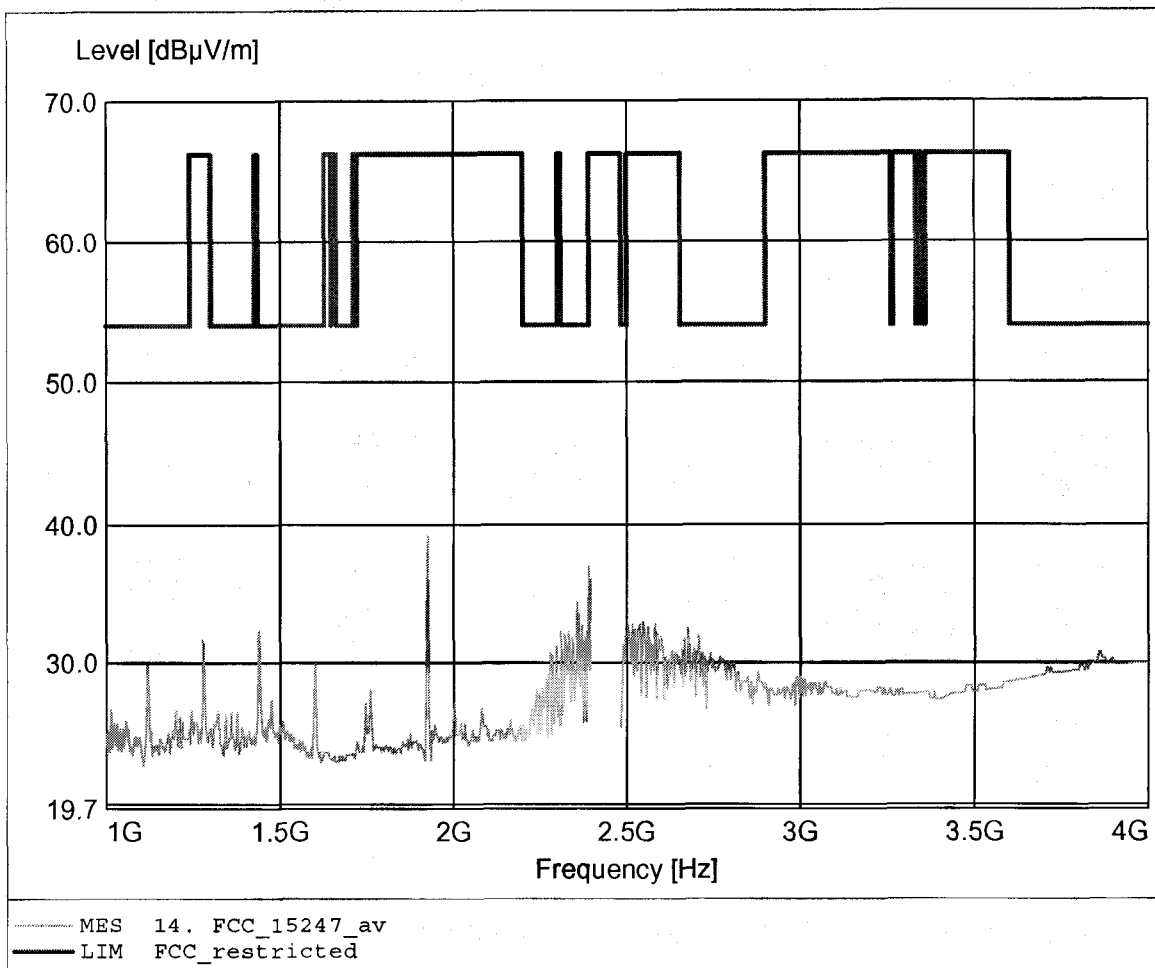
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.394GHz, Emax: 65.91dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

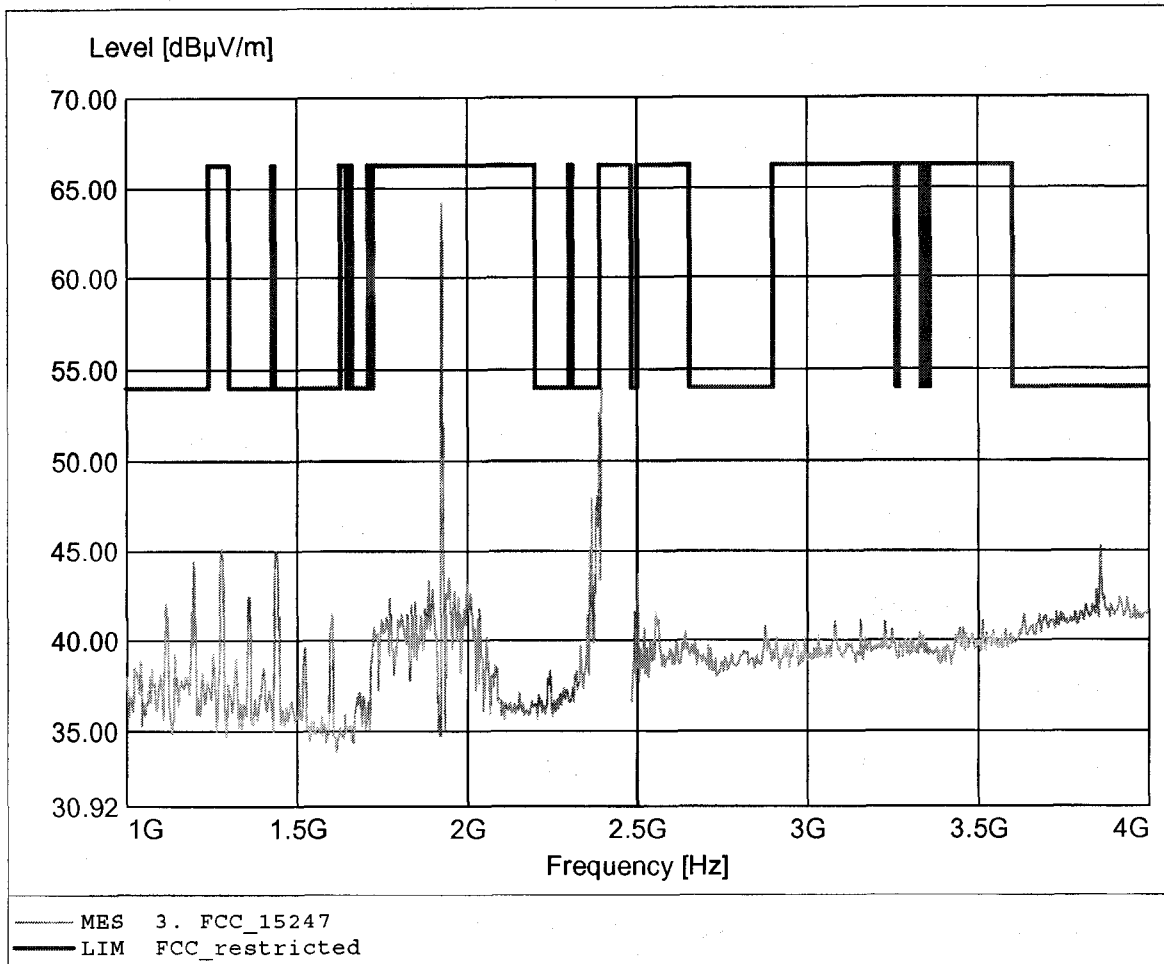
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 39.23dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

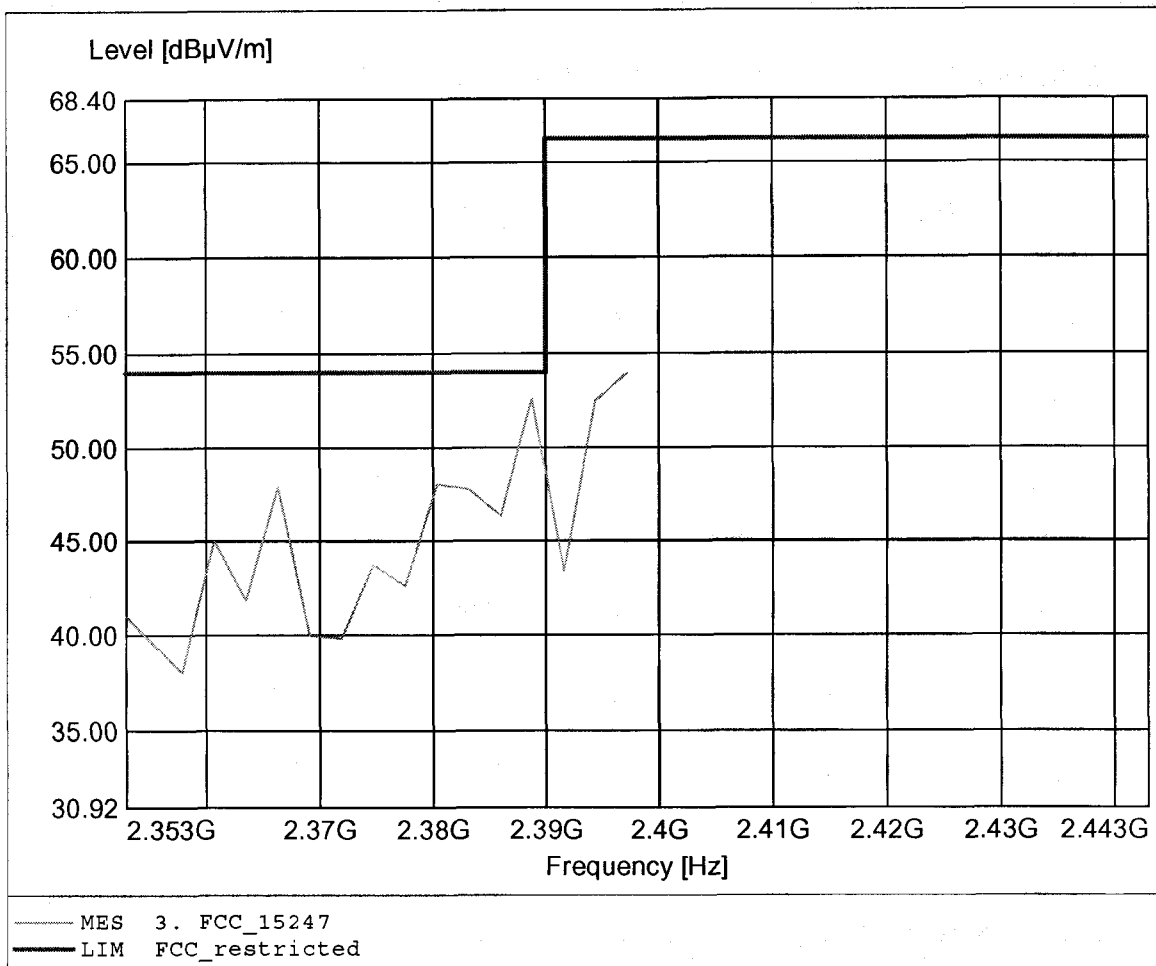
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 64.19dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

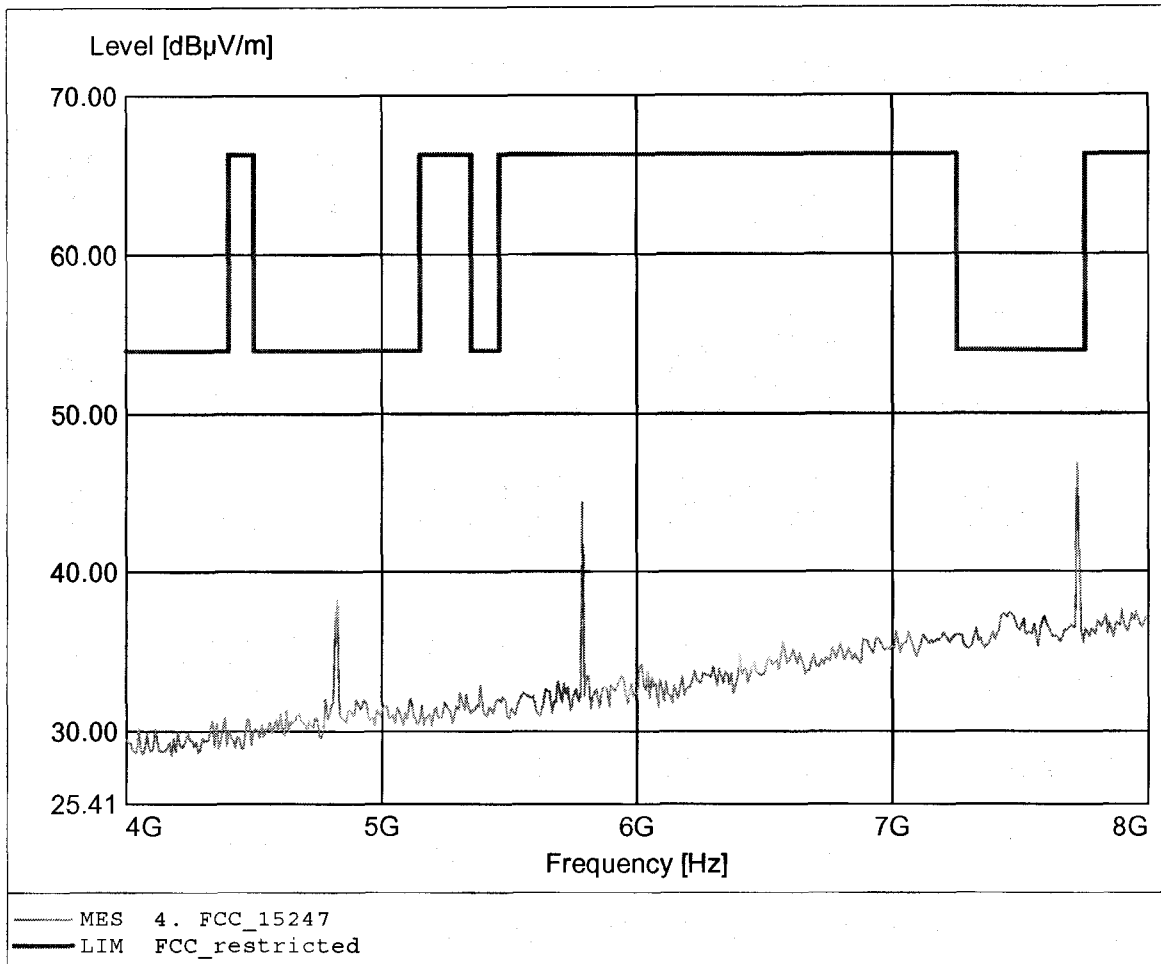
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 64.19dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

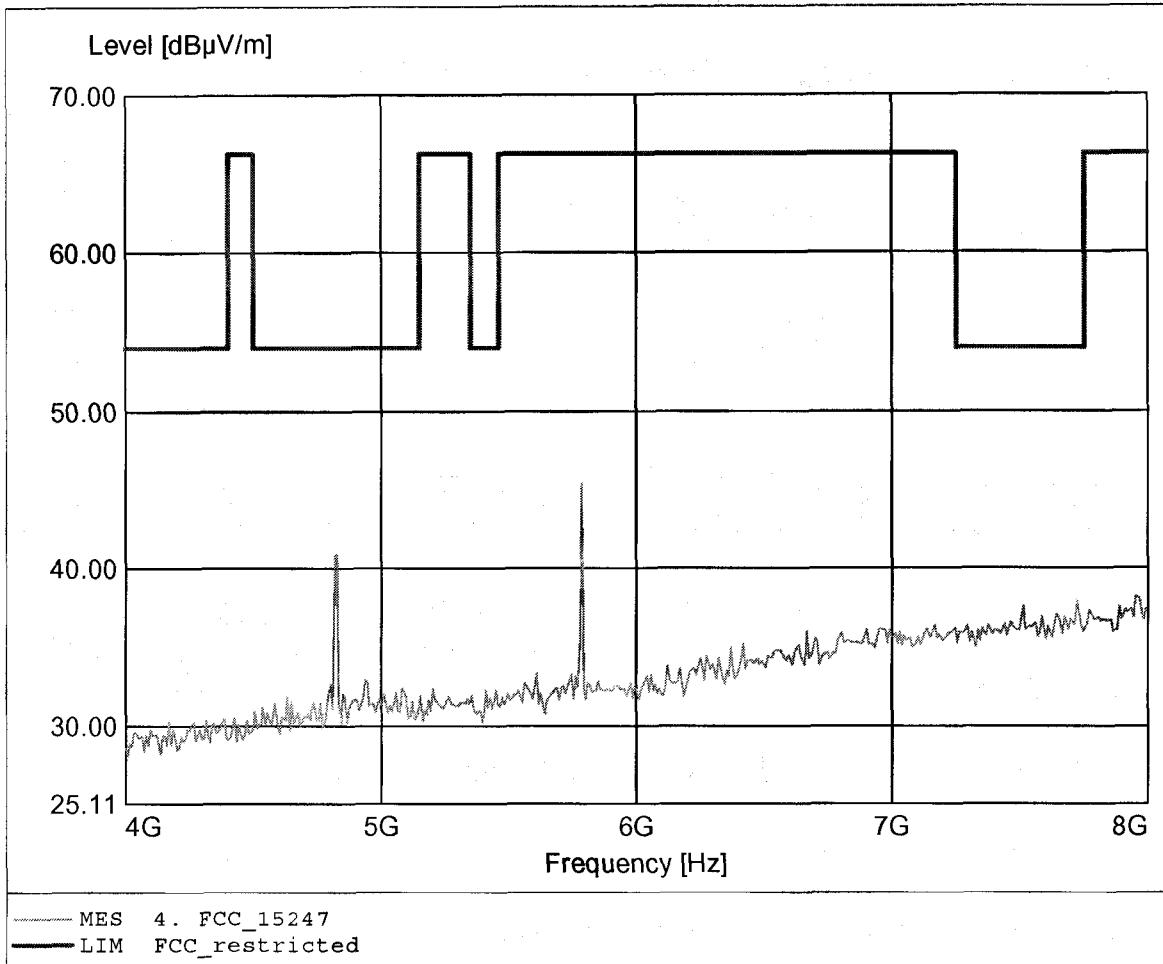
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.719GHz, Emax: 46.88dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

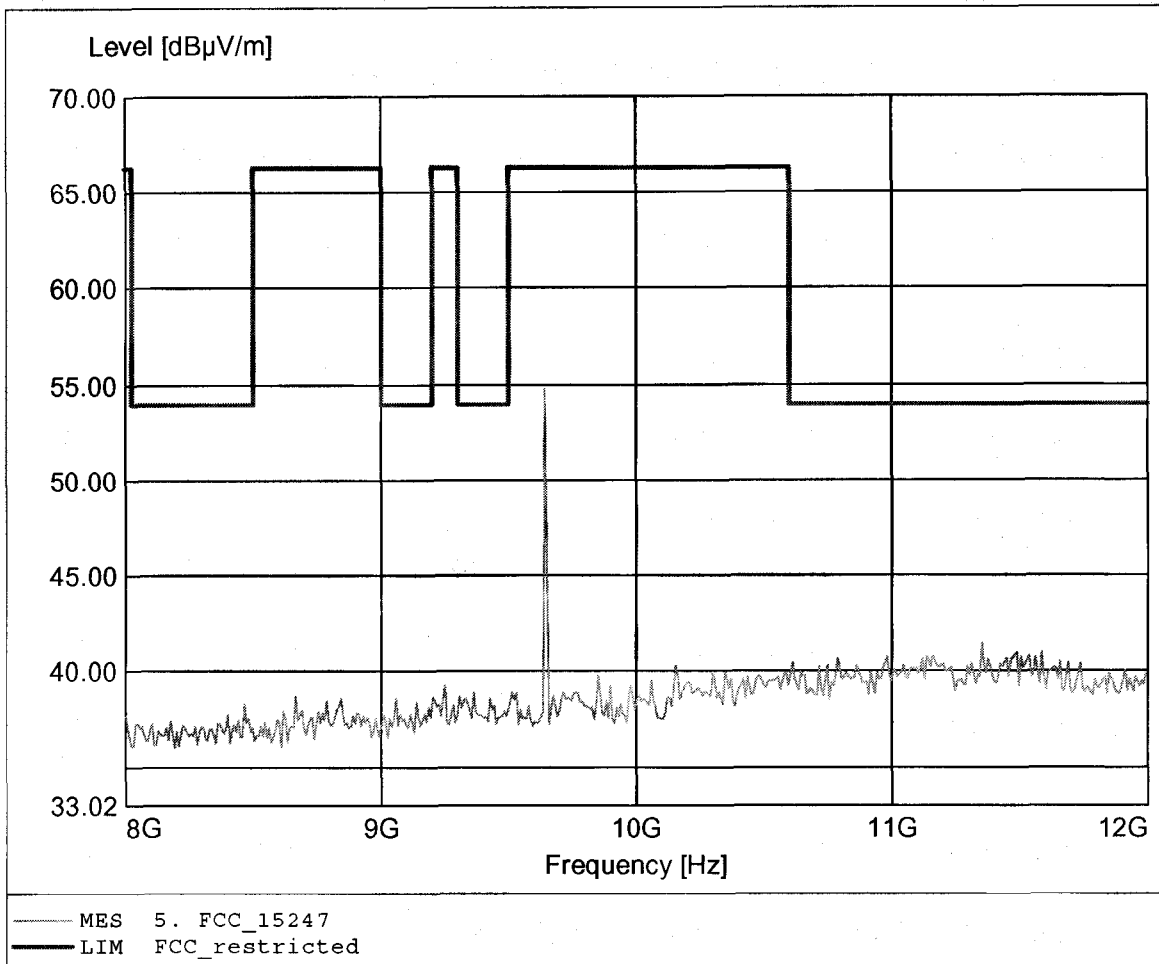
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.788GHz, Emax: 45.42dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

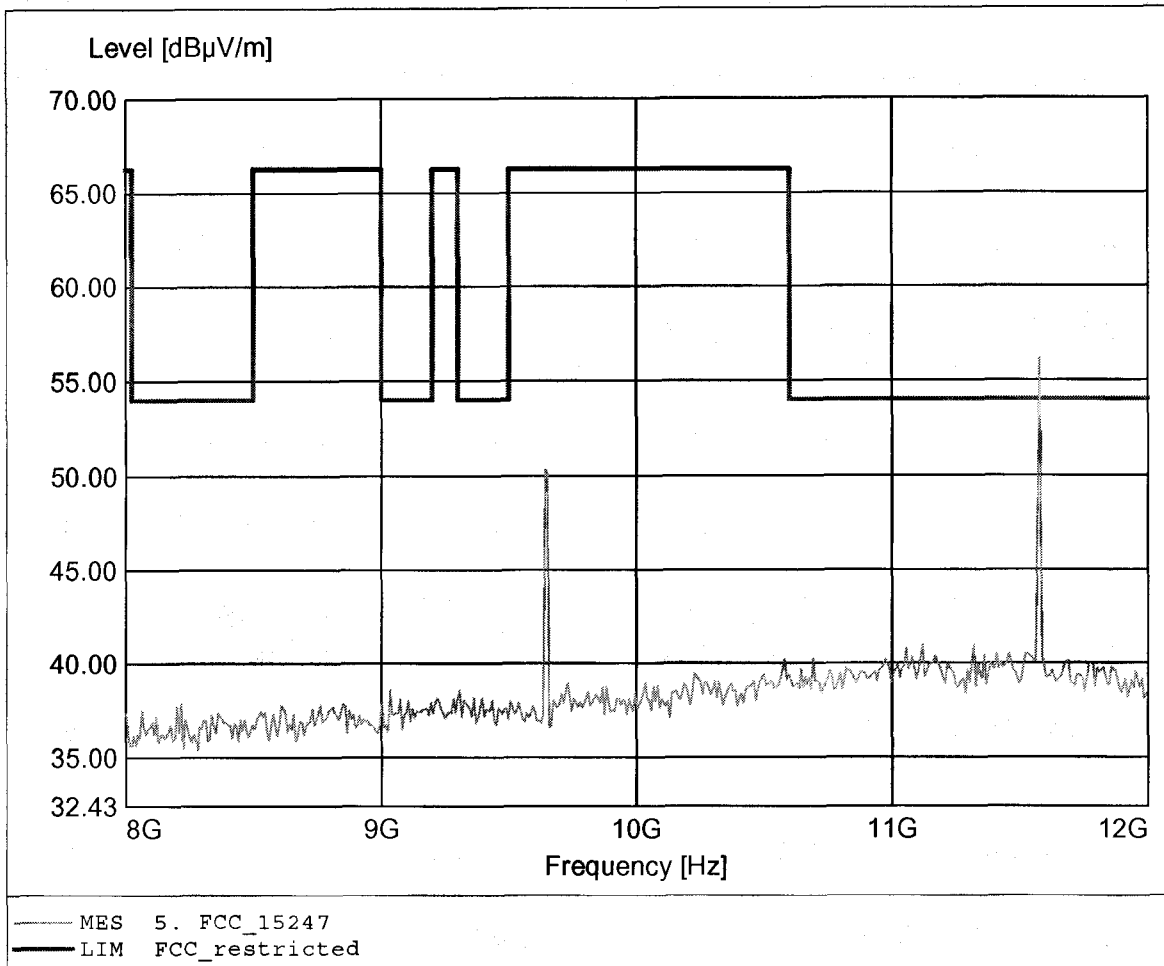
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.643GHz, Emax: 54.76dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

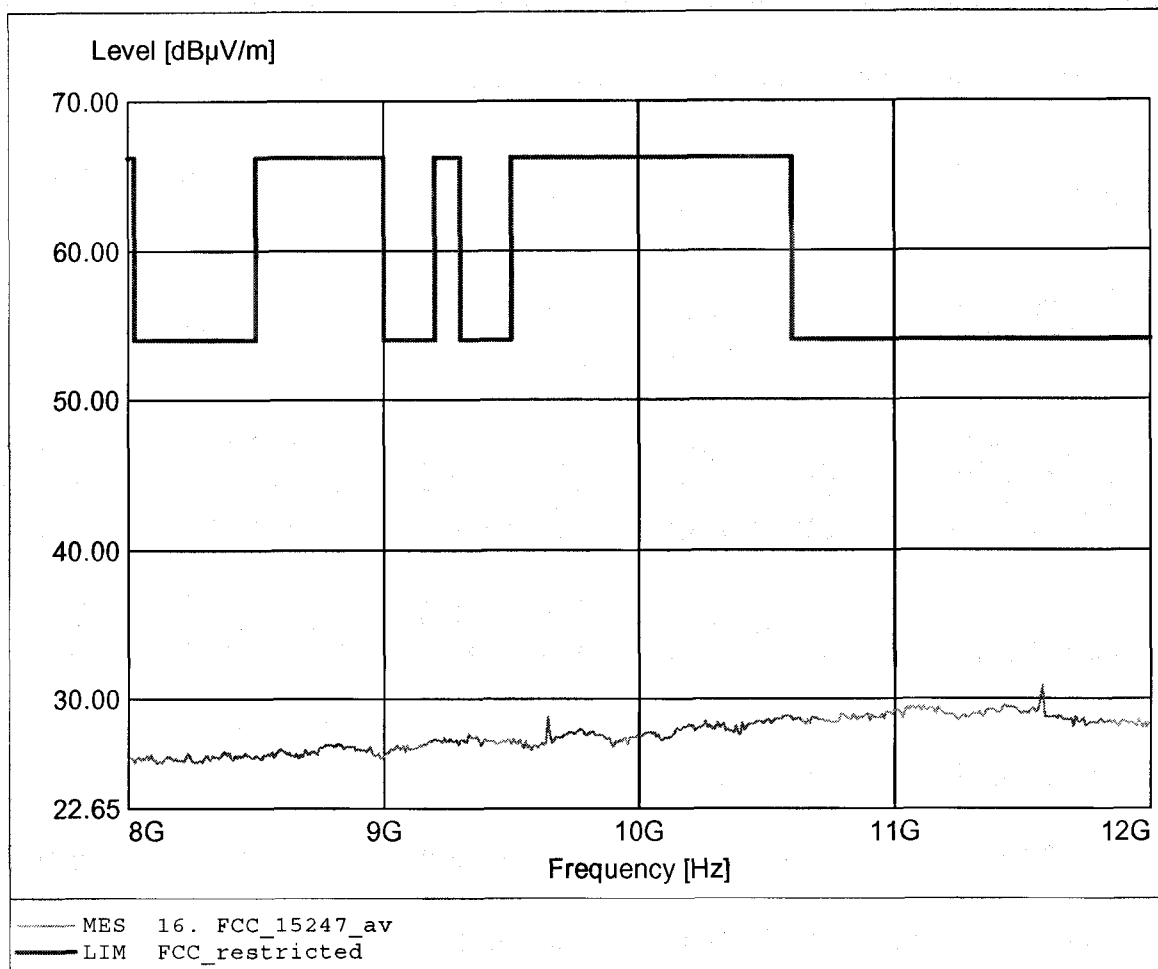
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.575GHz, Emax: 56.14dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

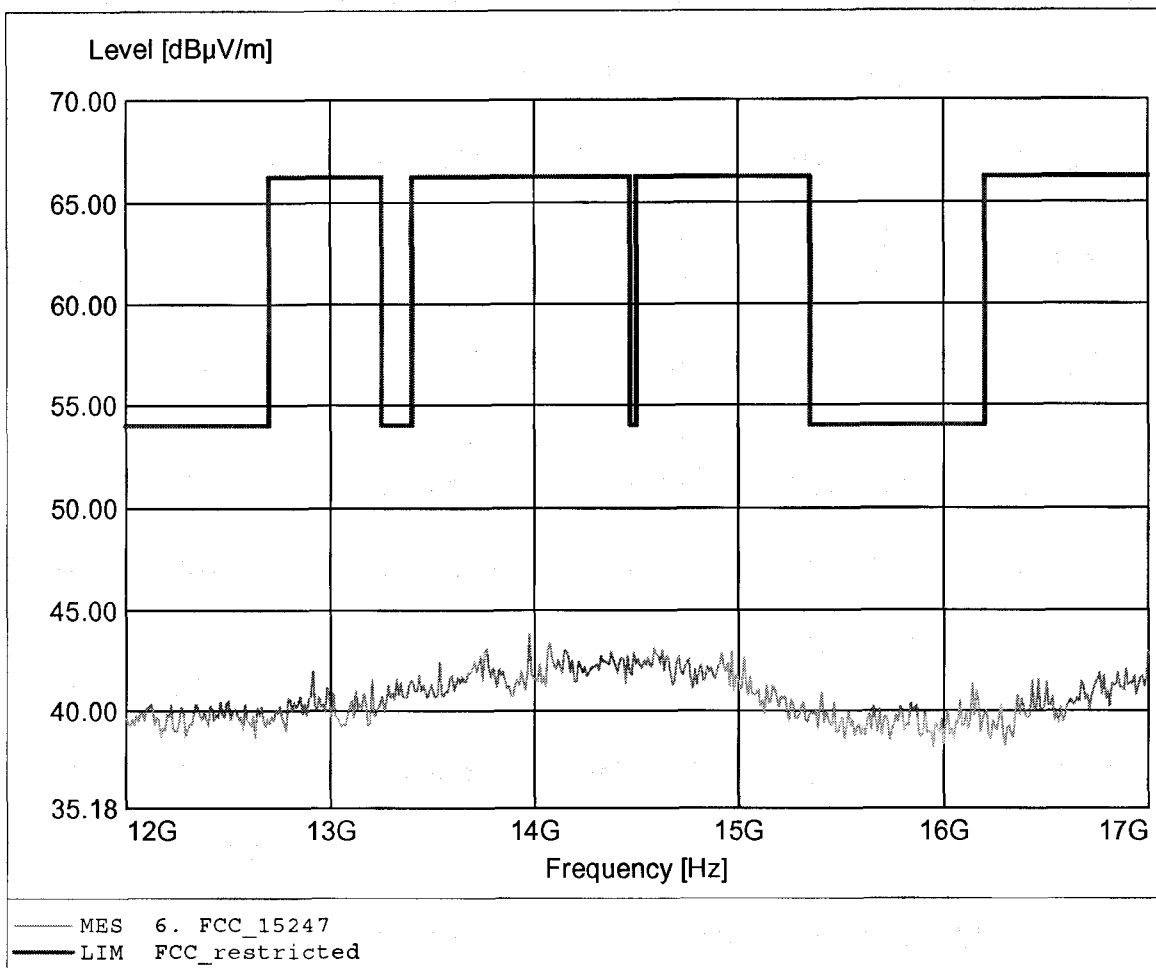
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.575GHz, Emax: 30.97dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

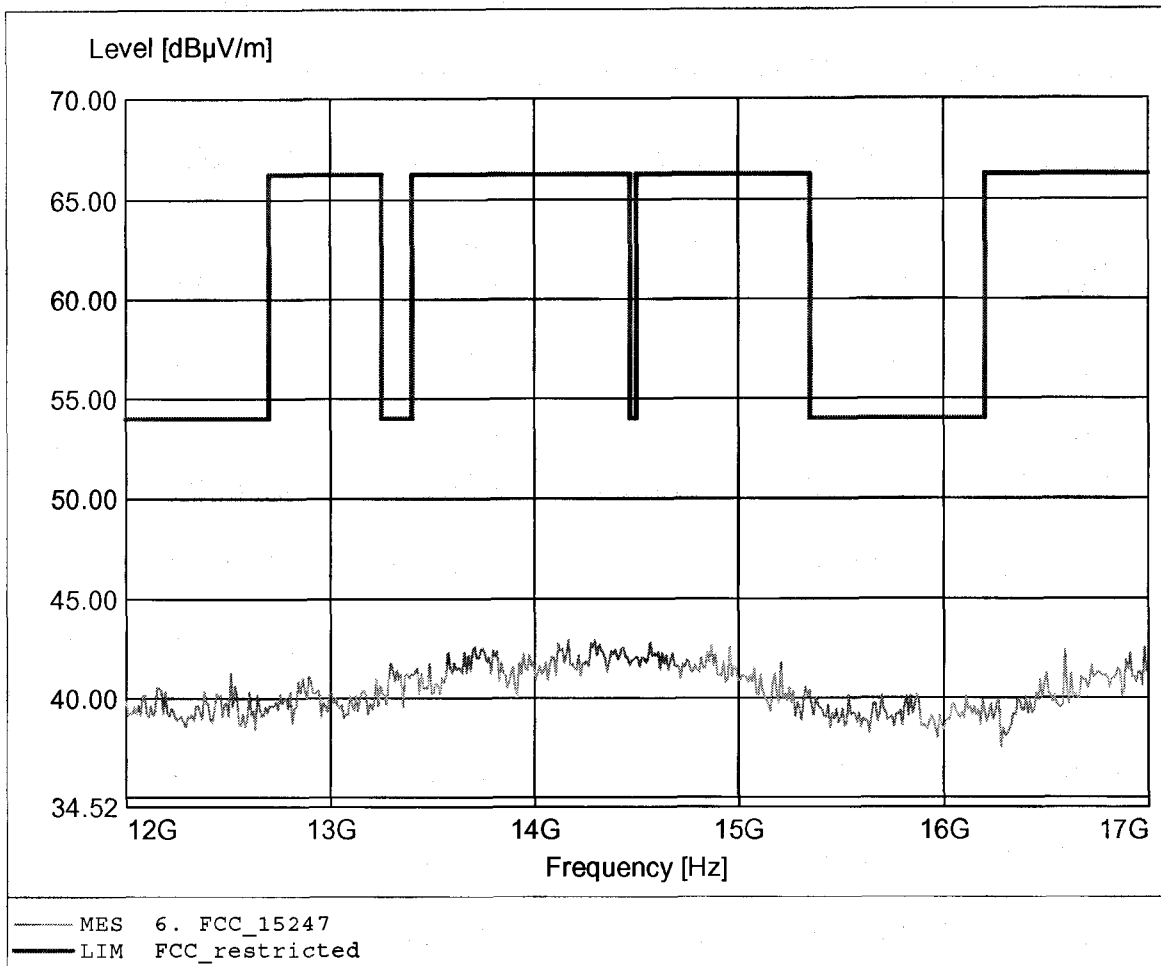
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.974GHz, Emax: 43.82dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

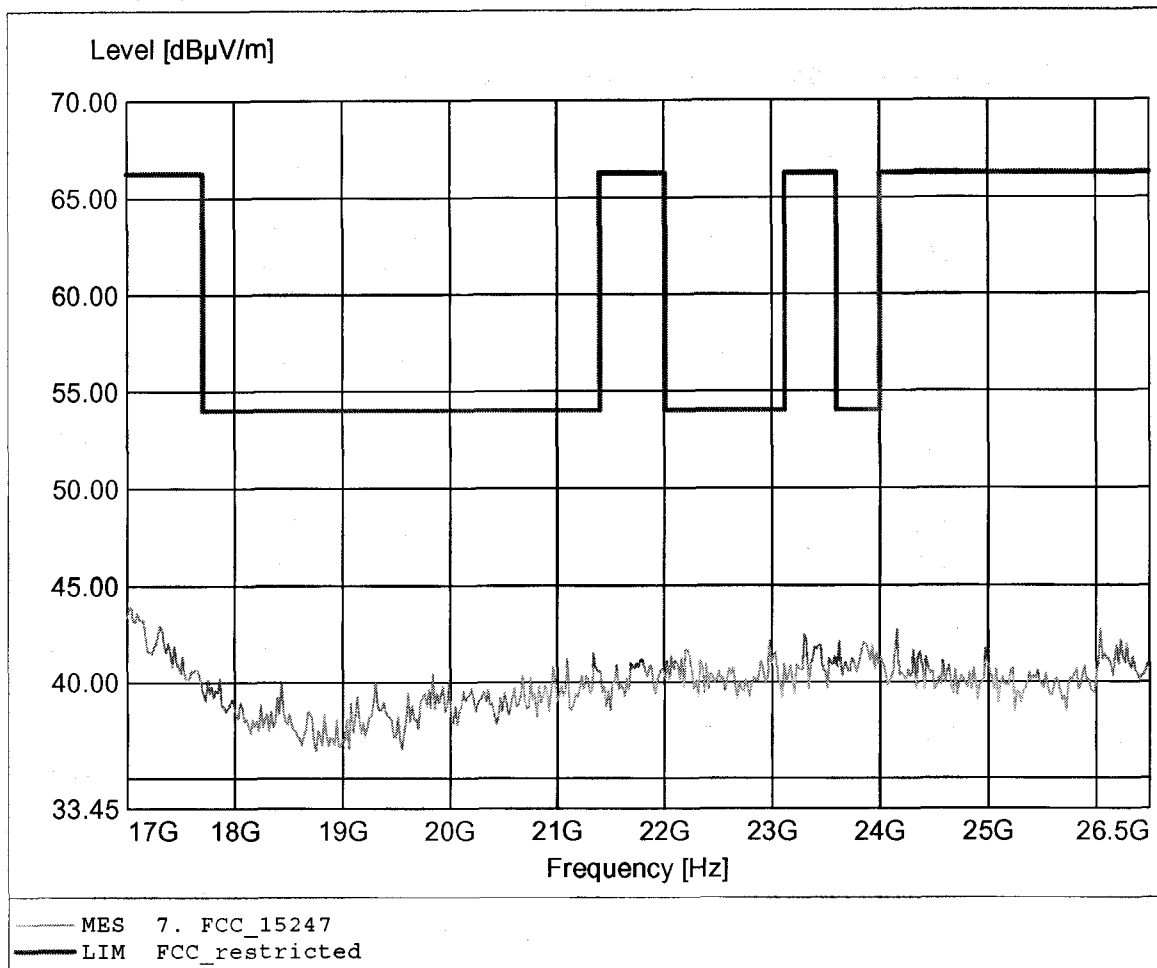
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.164GHz, Emax: 42.96dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

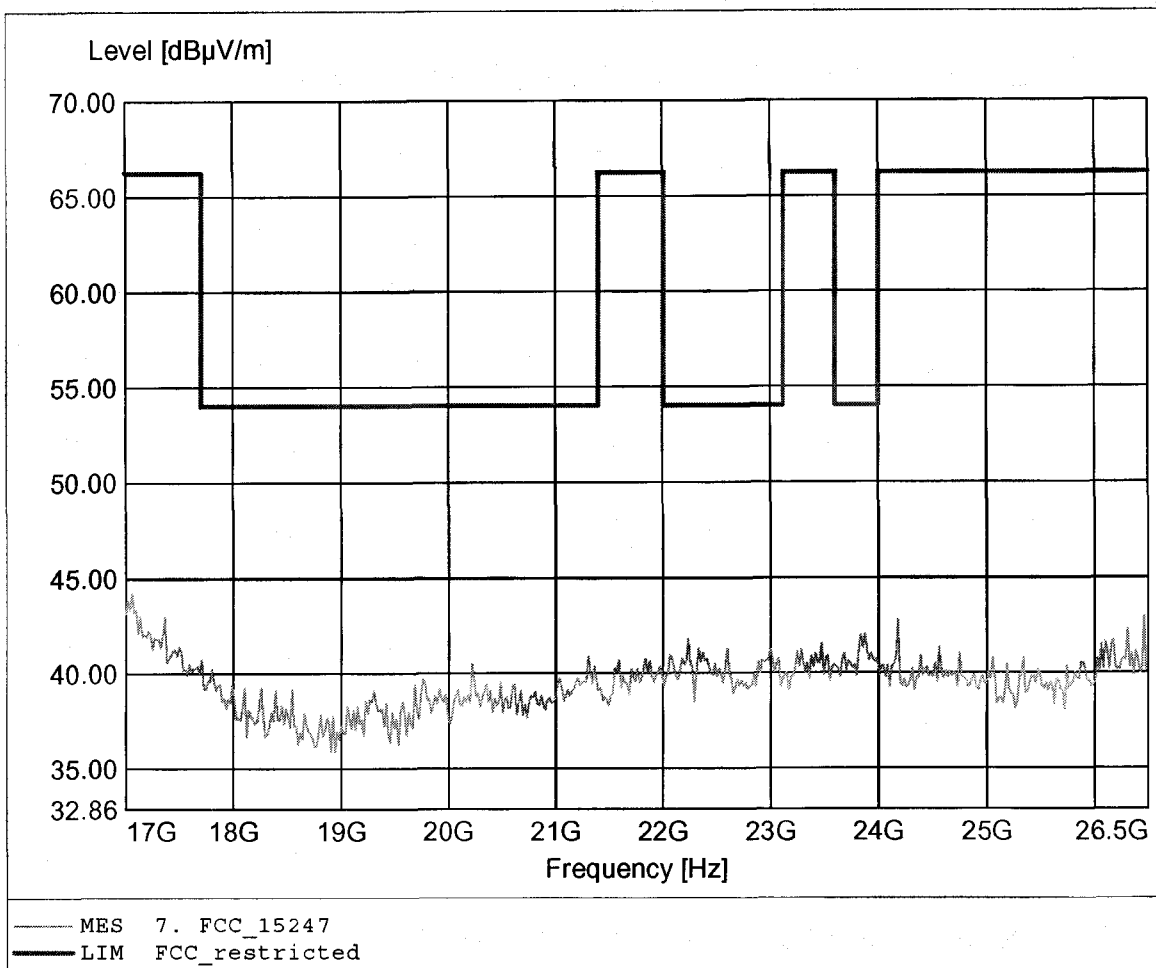
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.038GHz, Emax: 43.94dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

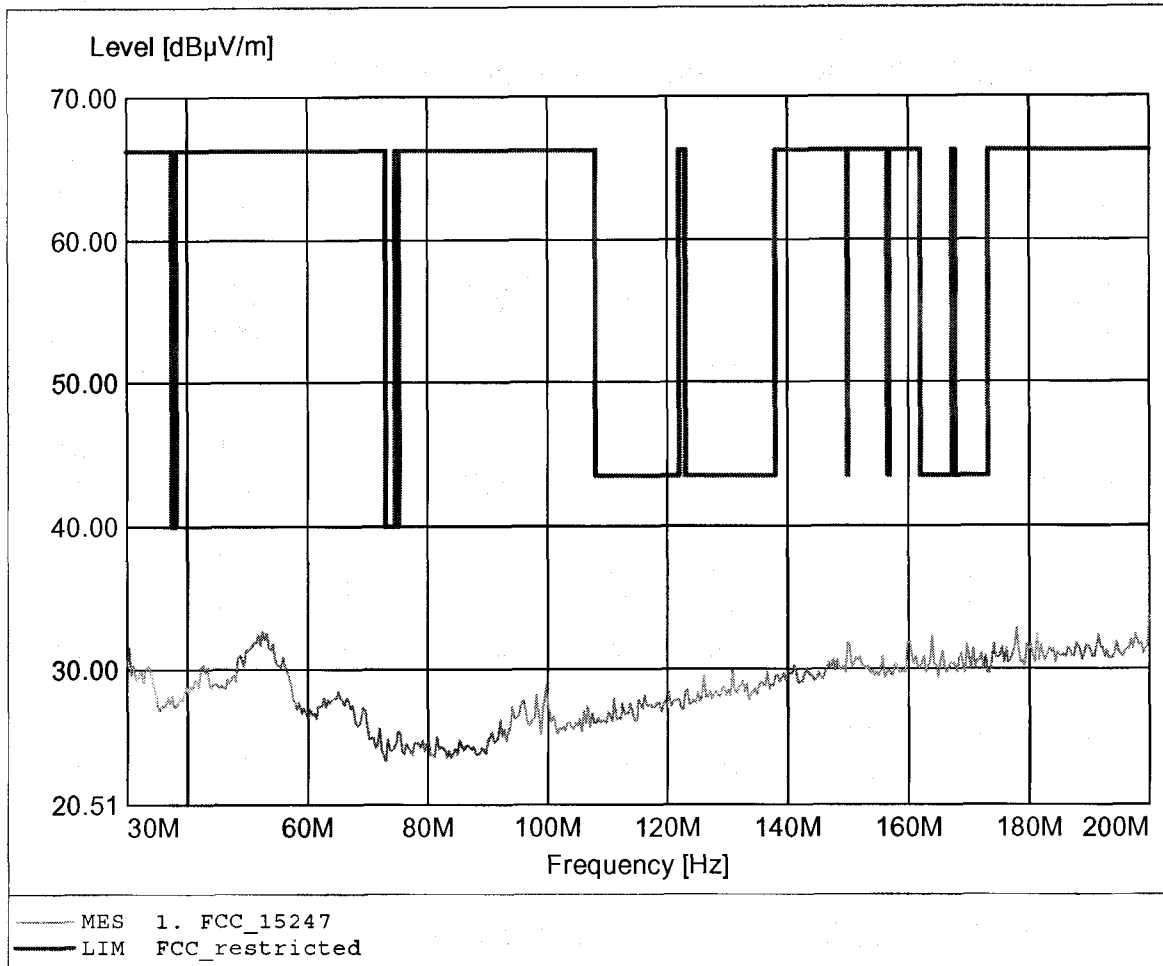
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2412 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.057GHz, Emax: 44.21dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

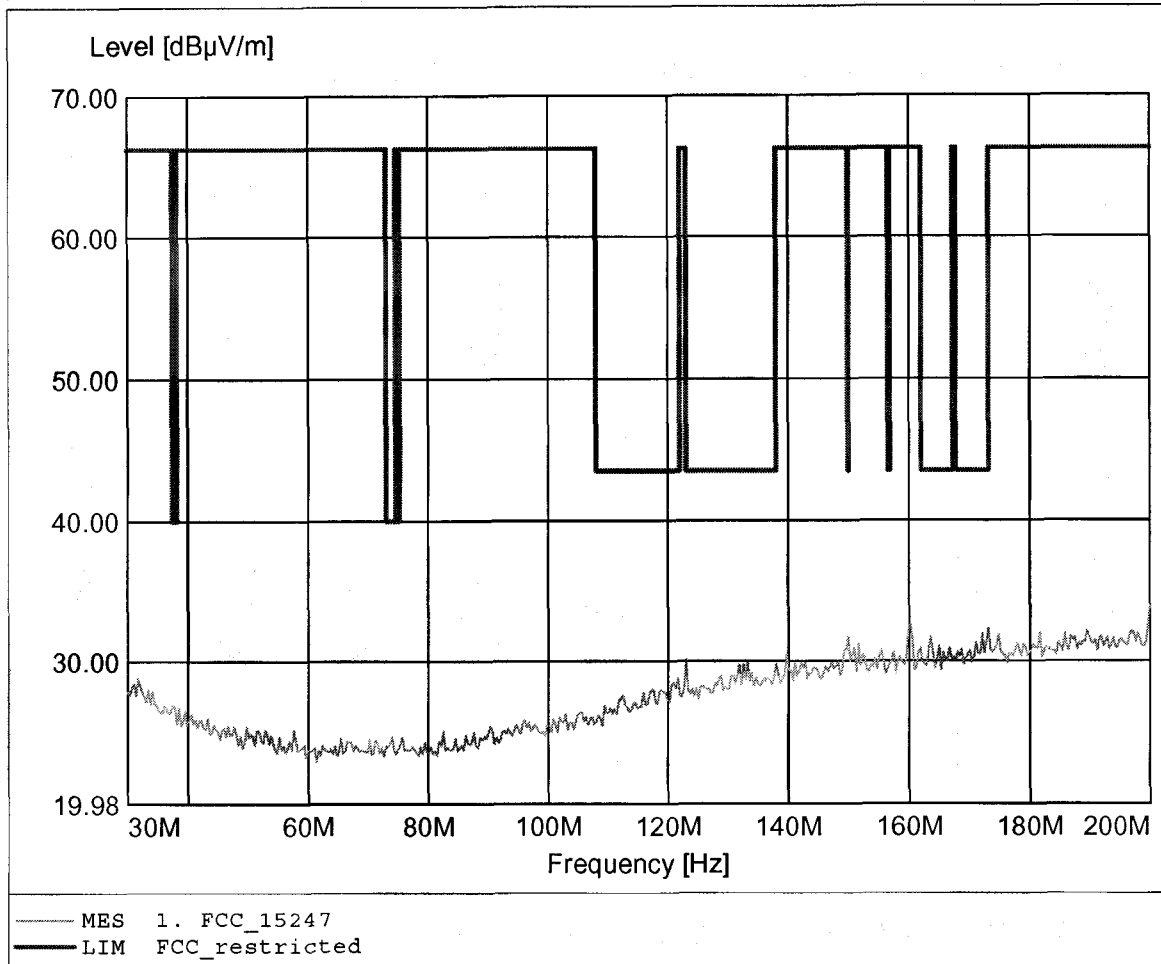
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Emax: 33.76dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

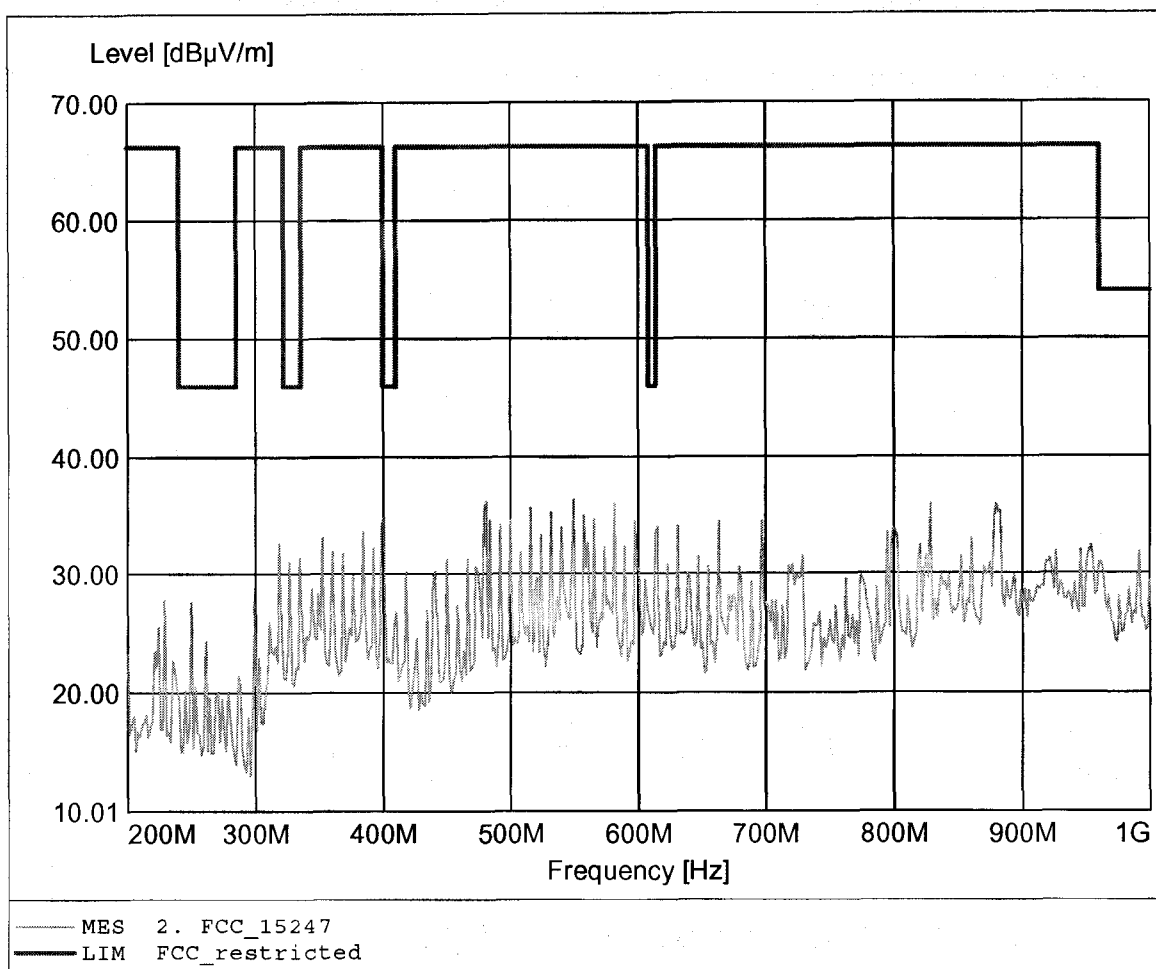
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Emax: 33.93dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

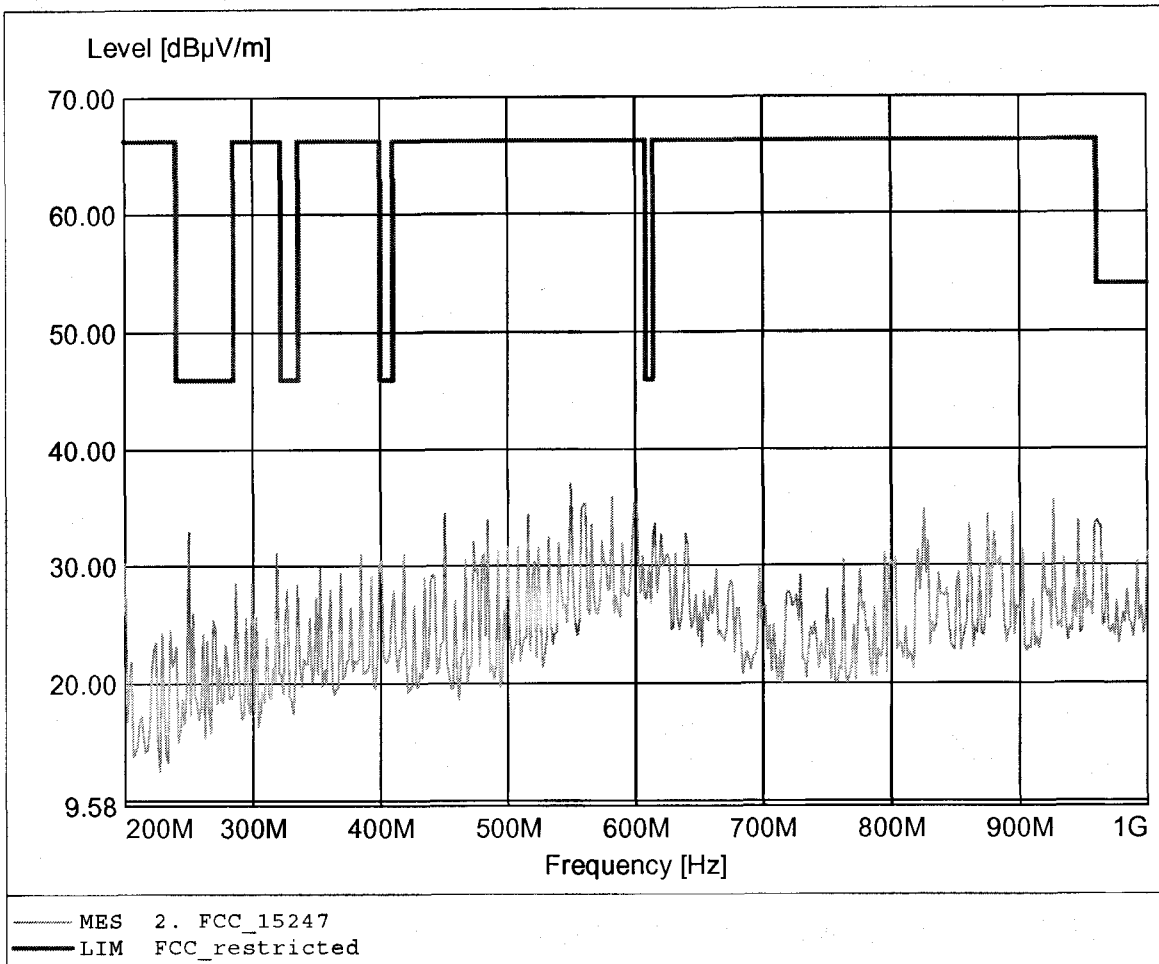
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 549.499MHz, Emax: 36.33dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

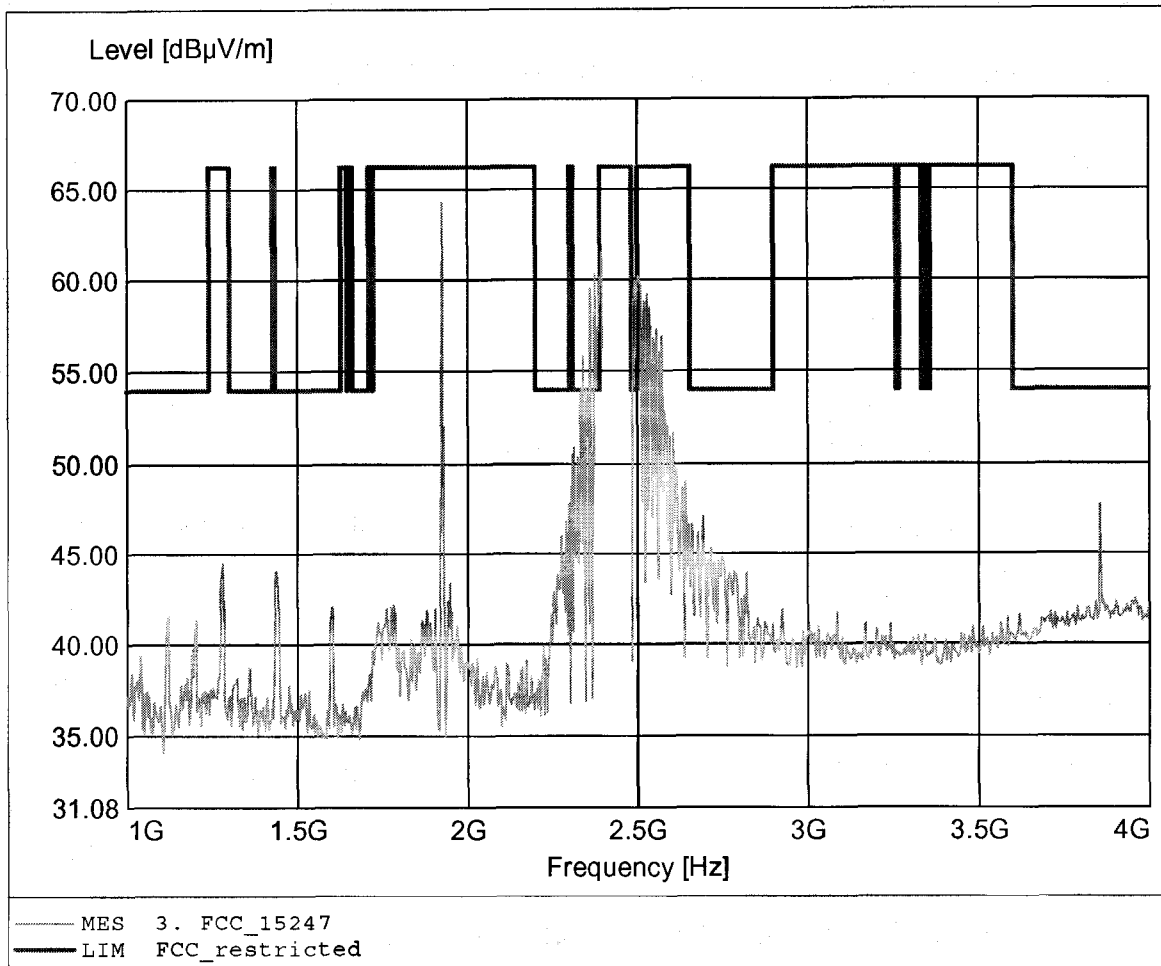
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 549.499MHz, Emax: 37.05dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

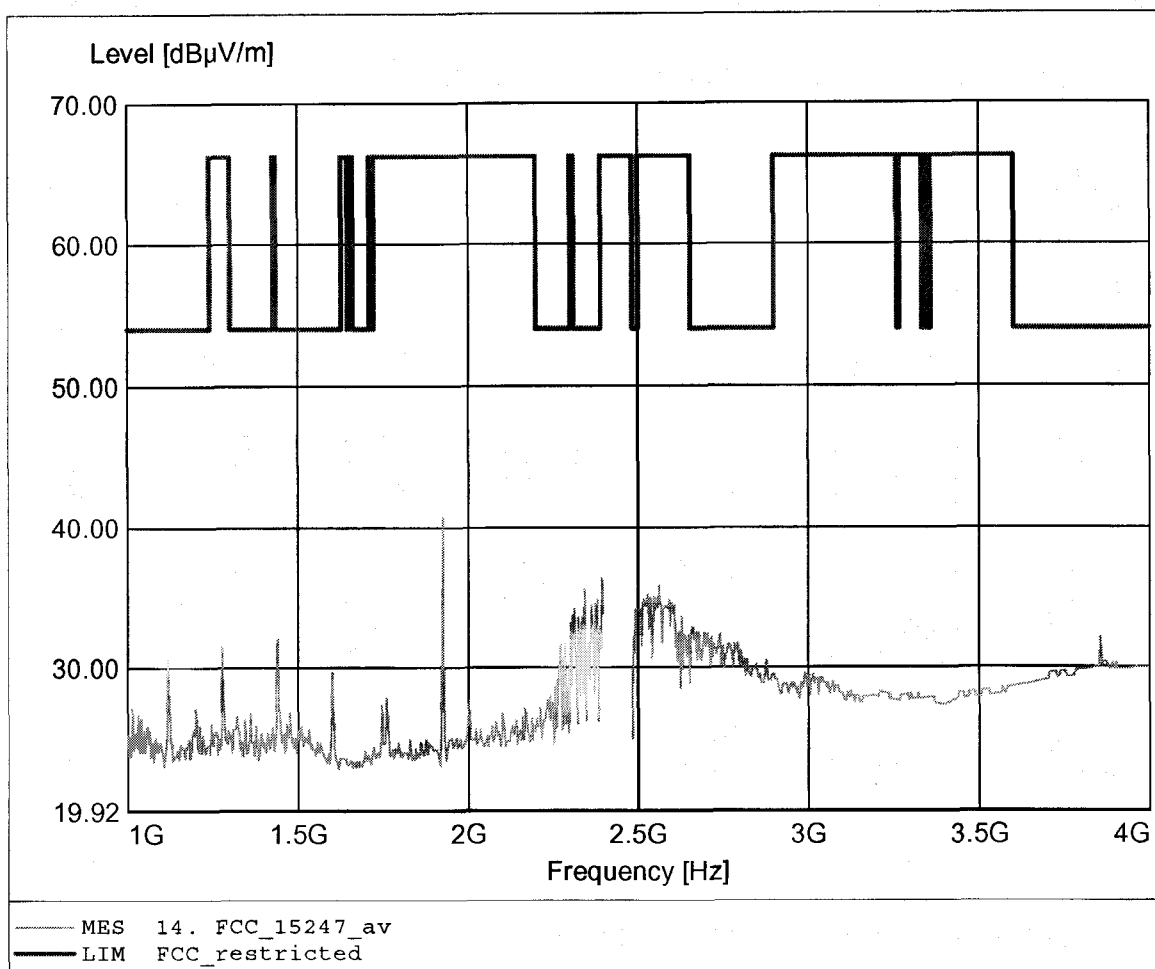
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 64.29dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

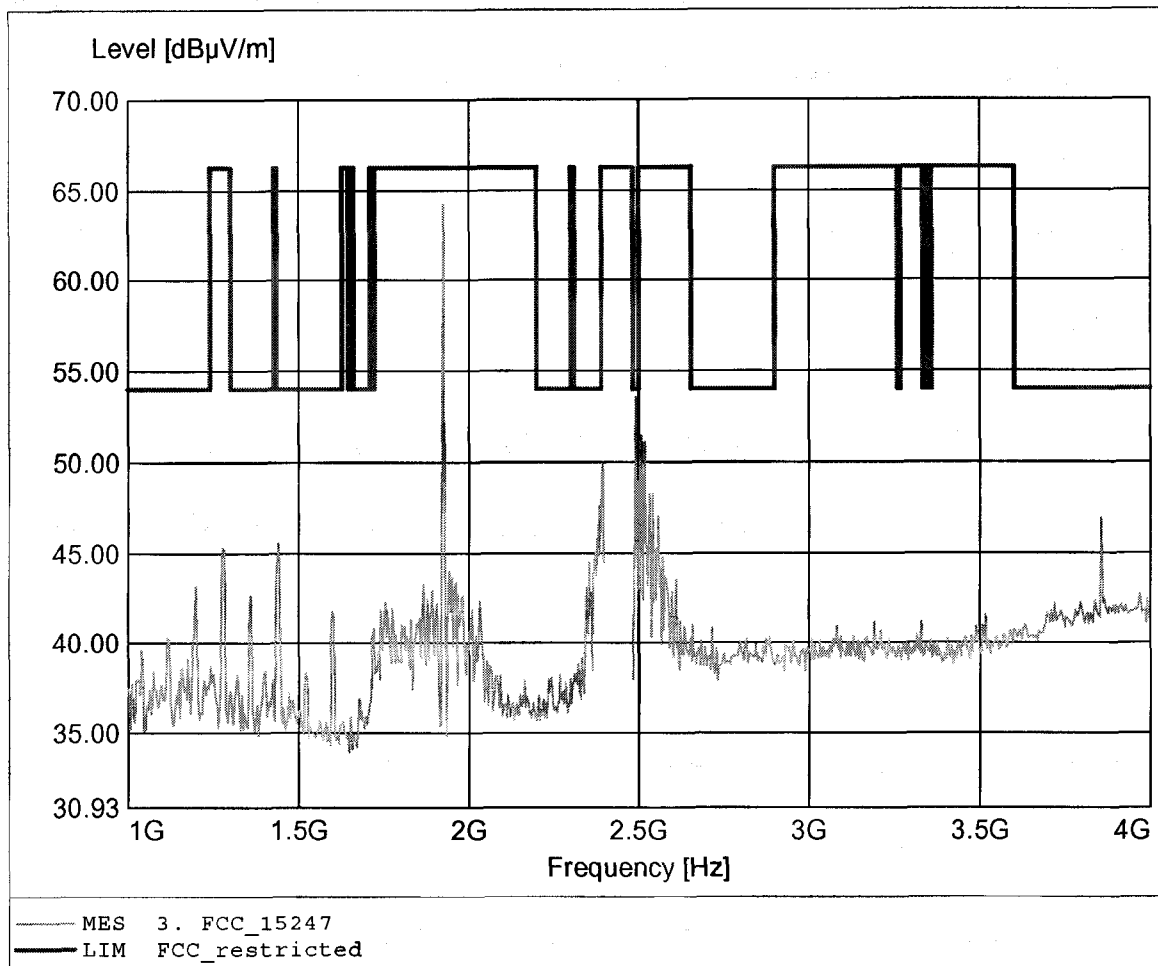
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 40.70dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

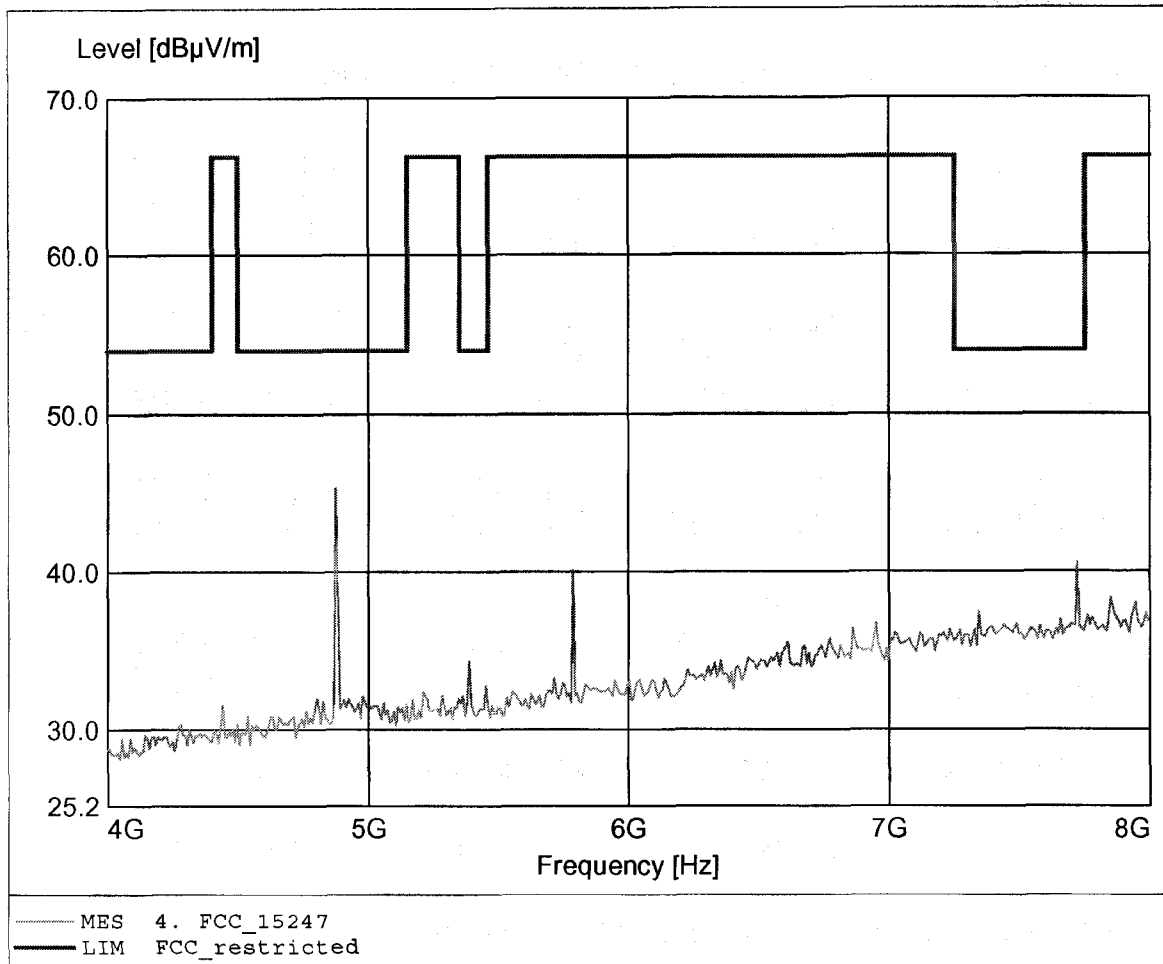
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 64.23dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

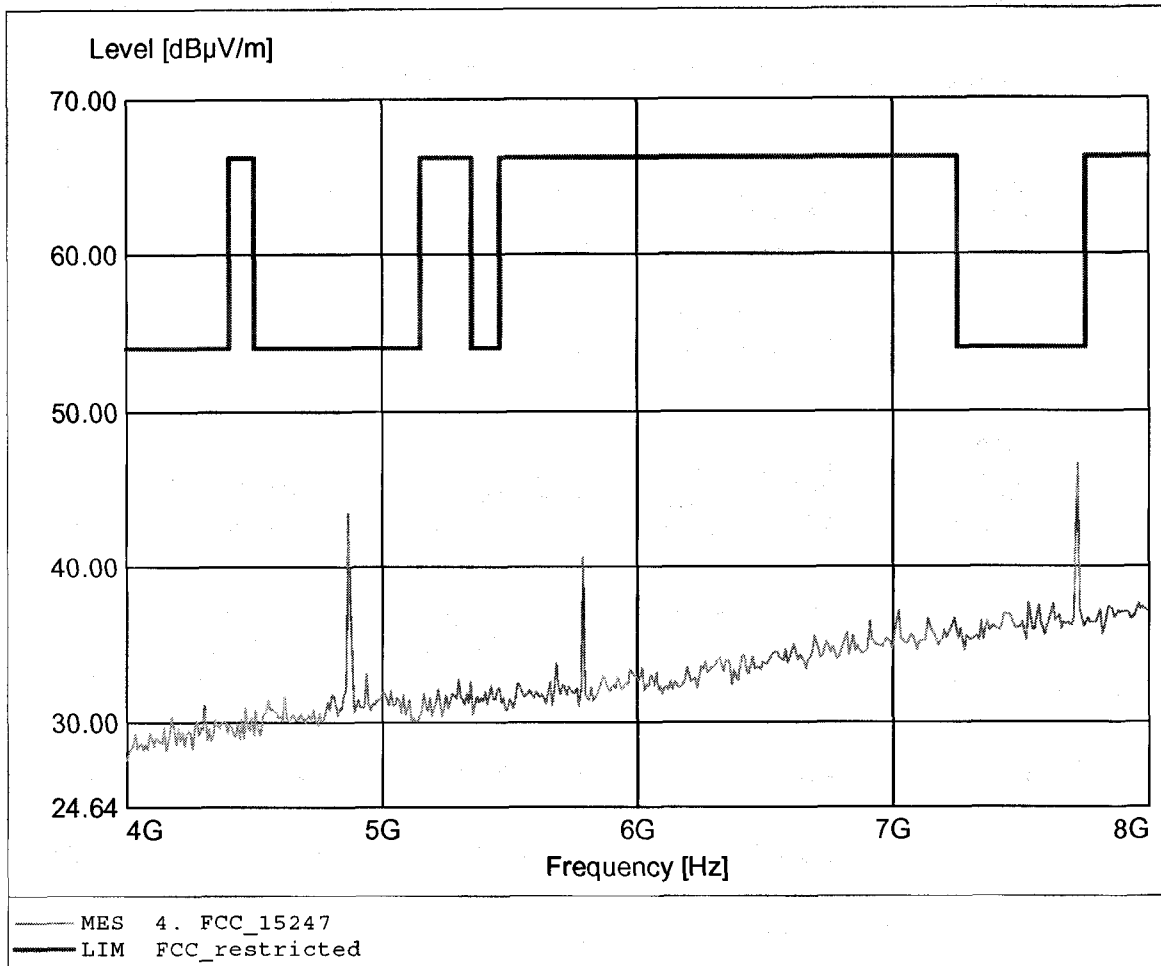
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.874GHz, Emax: 45.33dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

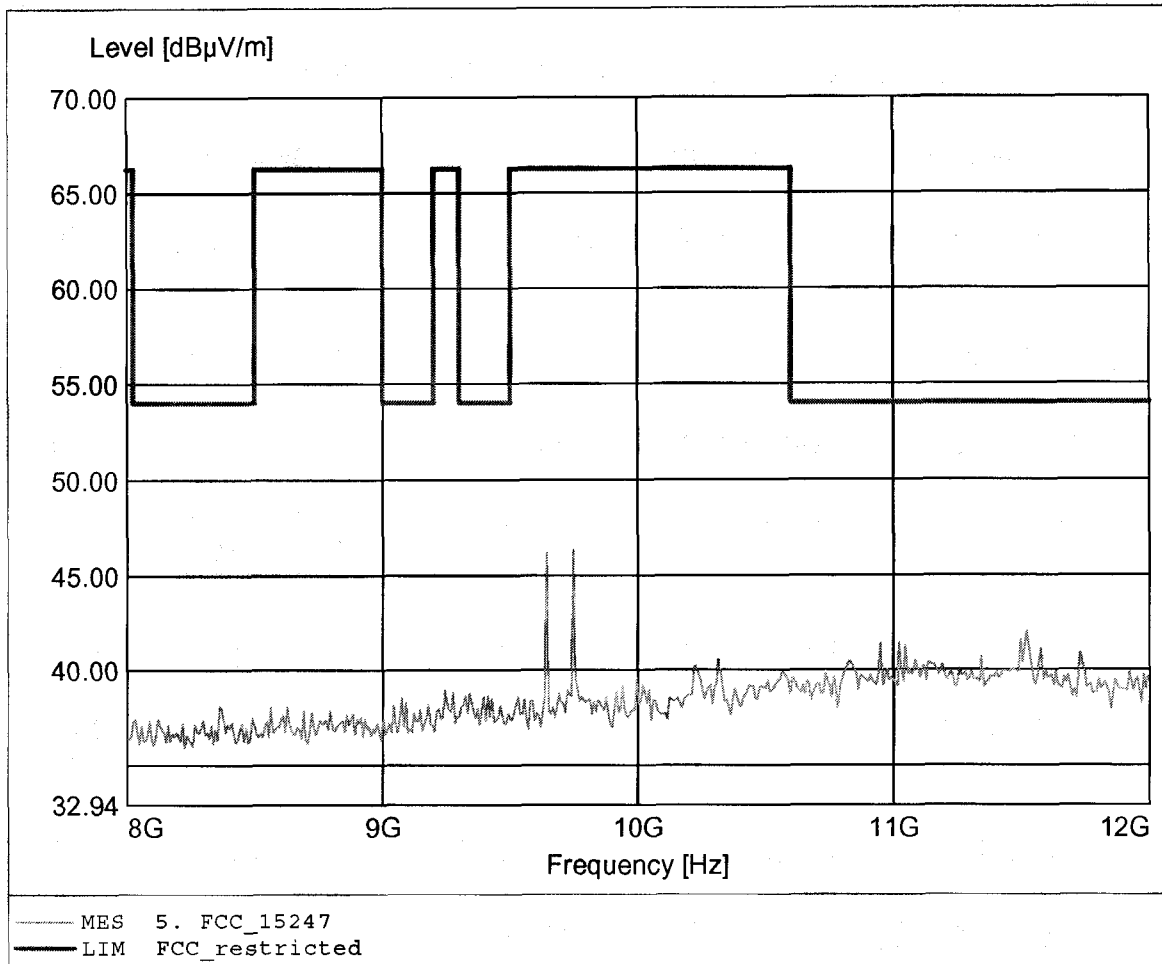
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.719GHz, Emax: 46.65dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

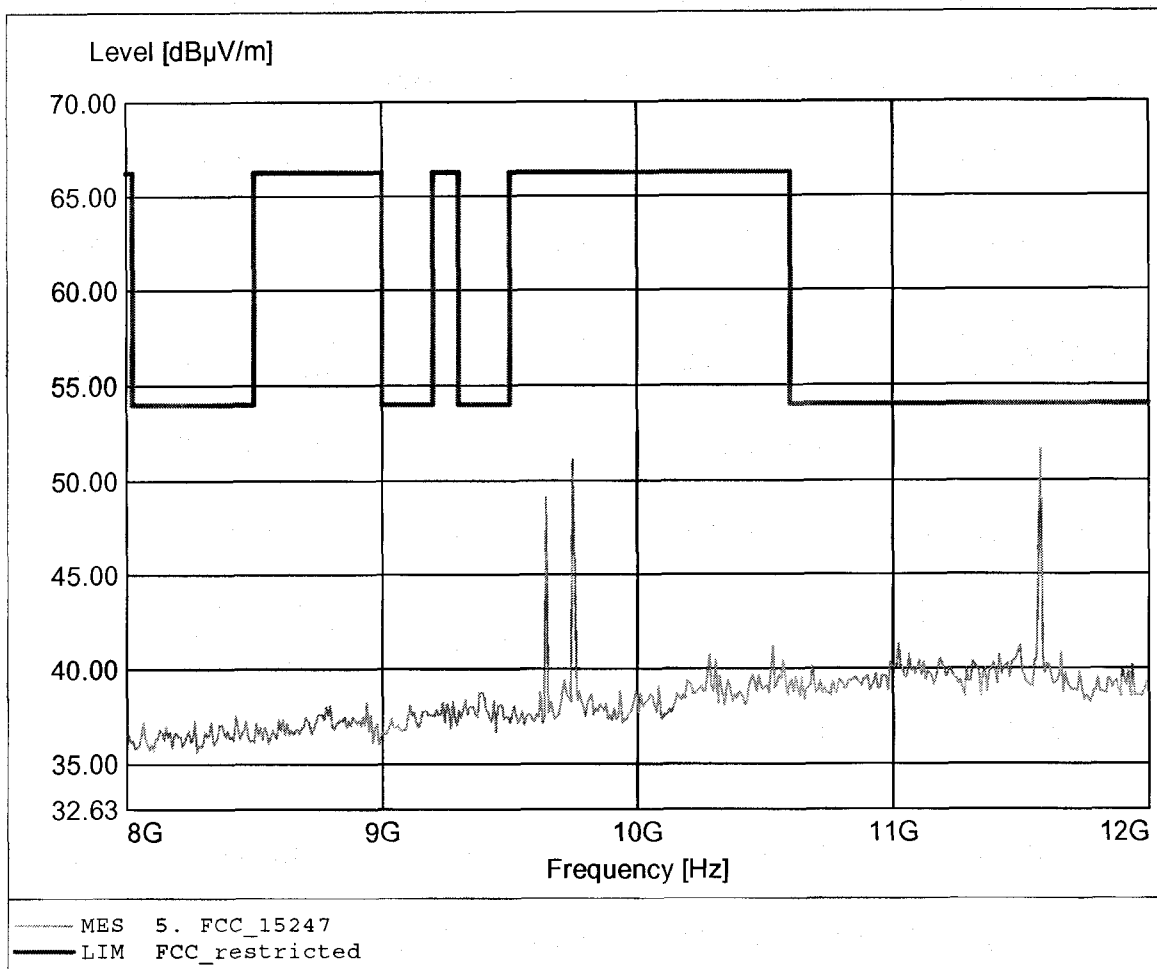
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.747GHz, Emax: 46.35dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

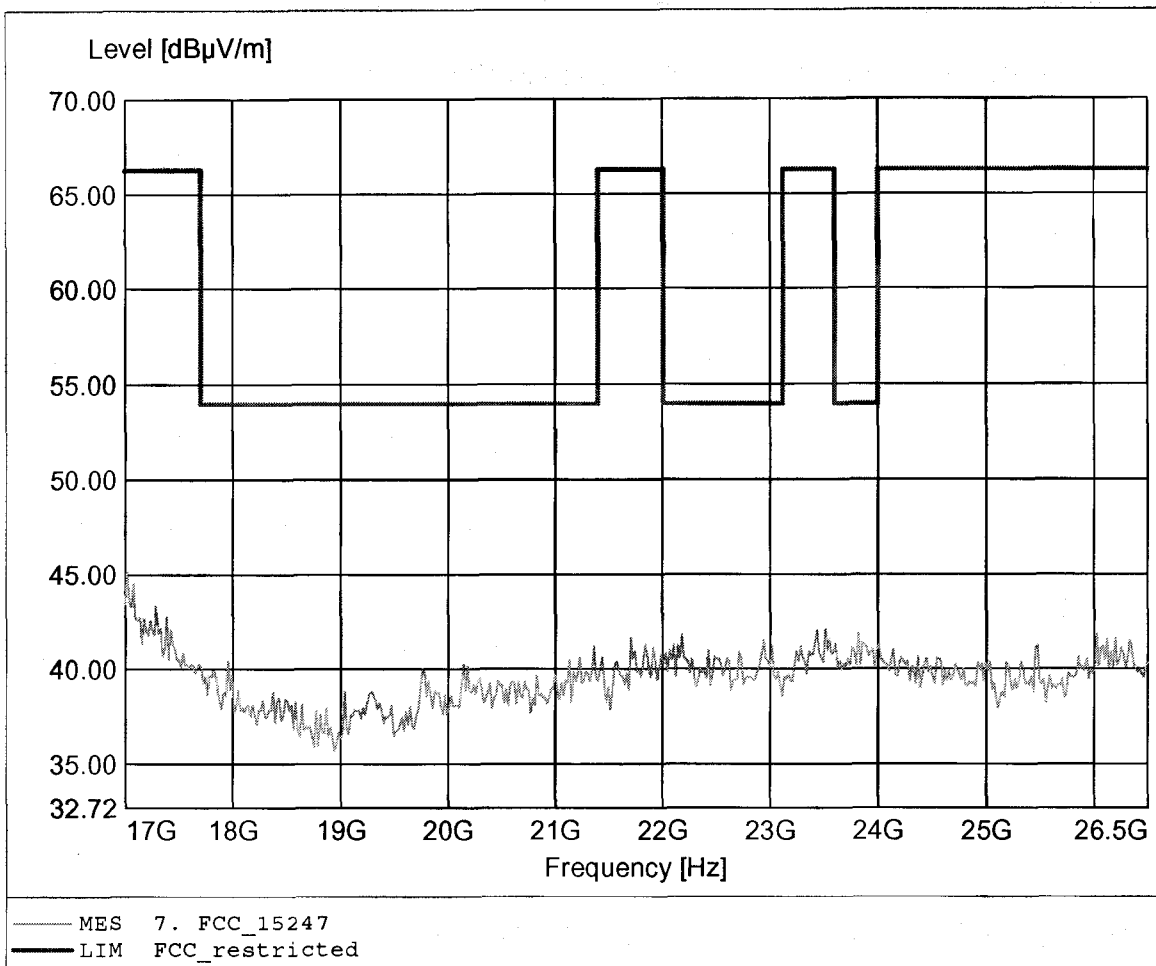
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.575GHz, Emax: 51.64dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

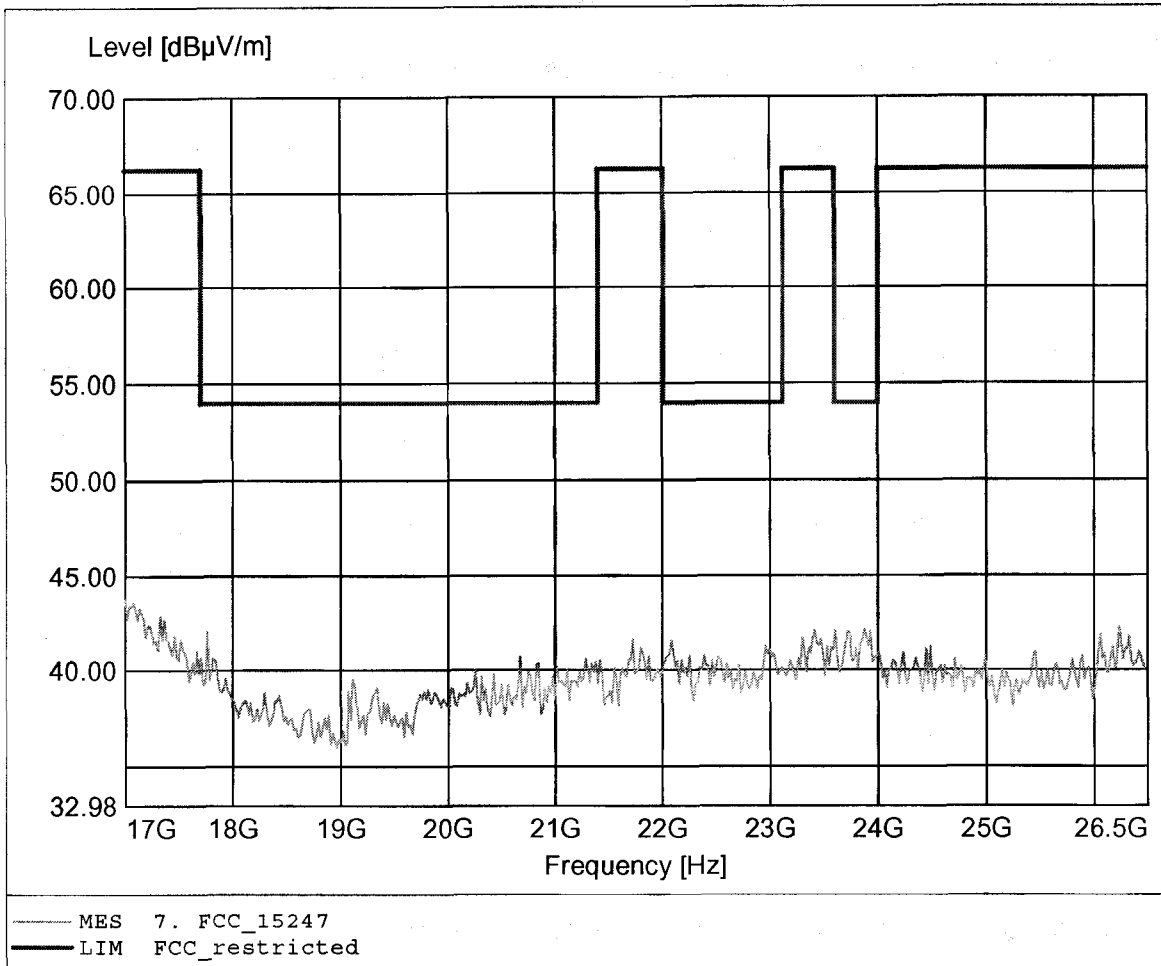
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 45.14dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

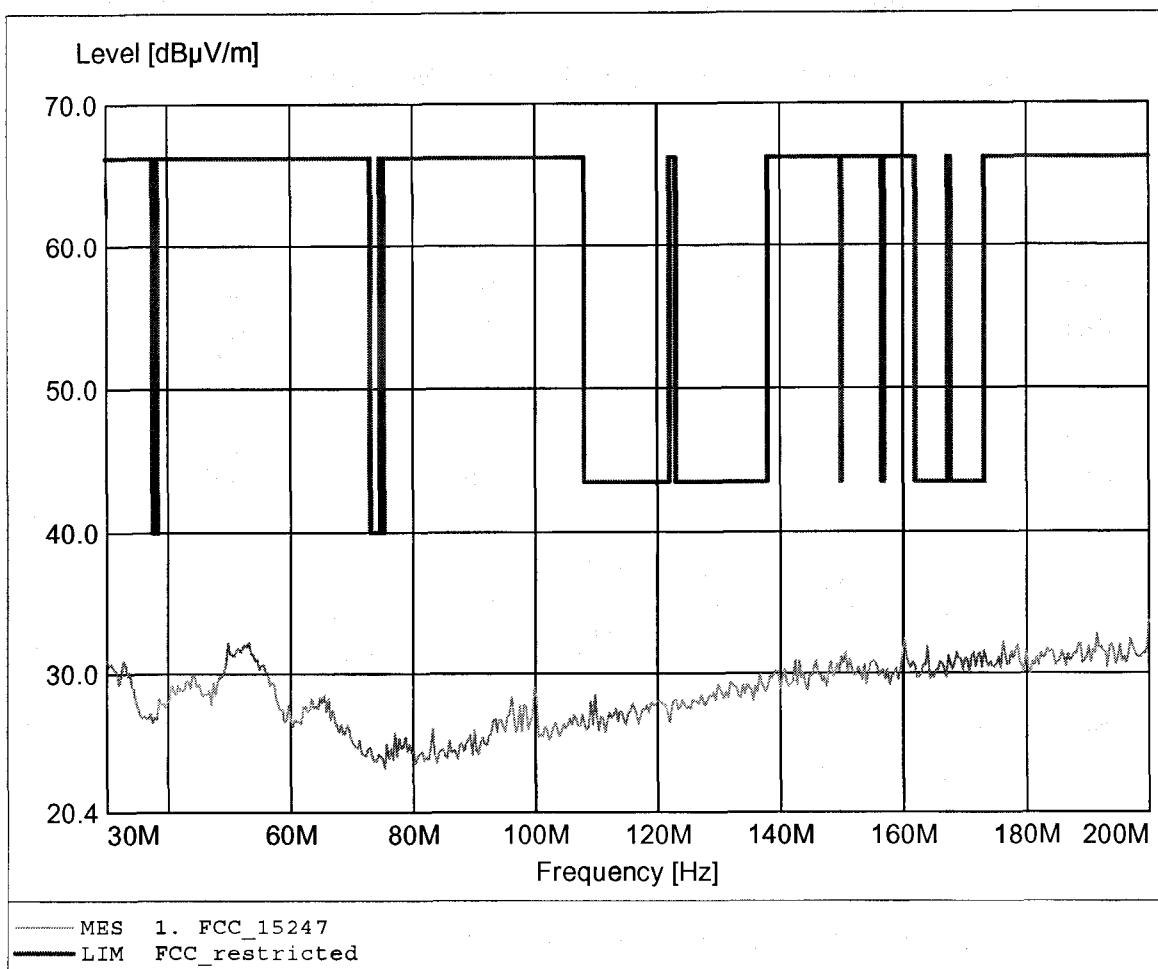
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 43.79dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

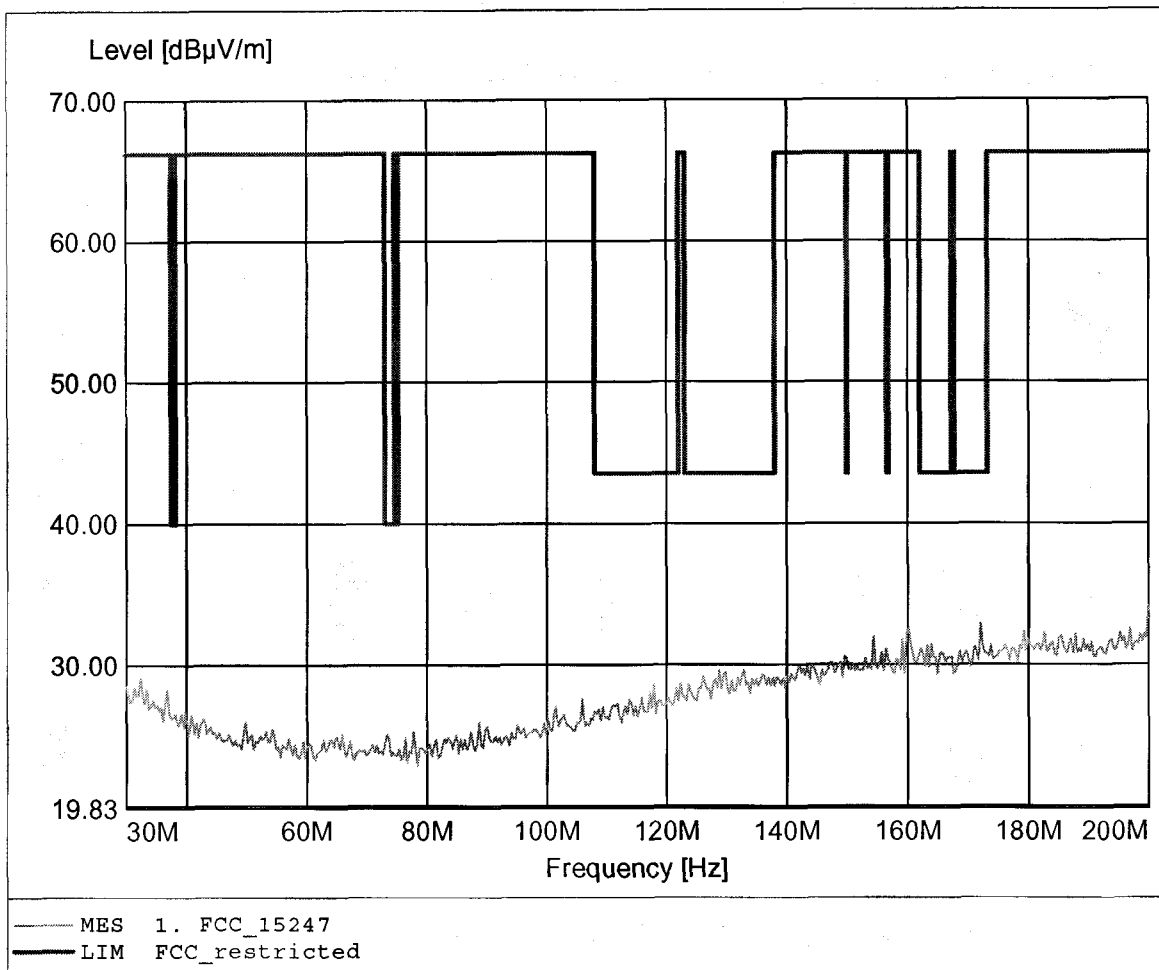
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Emax: 33.71dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

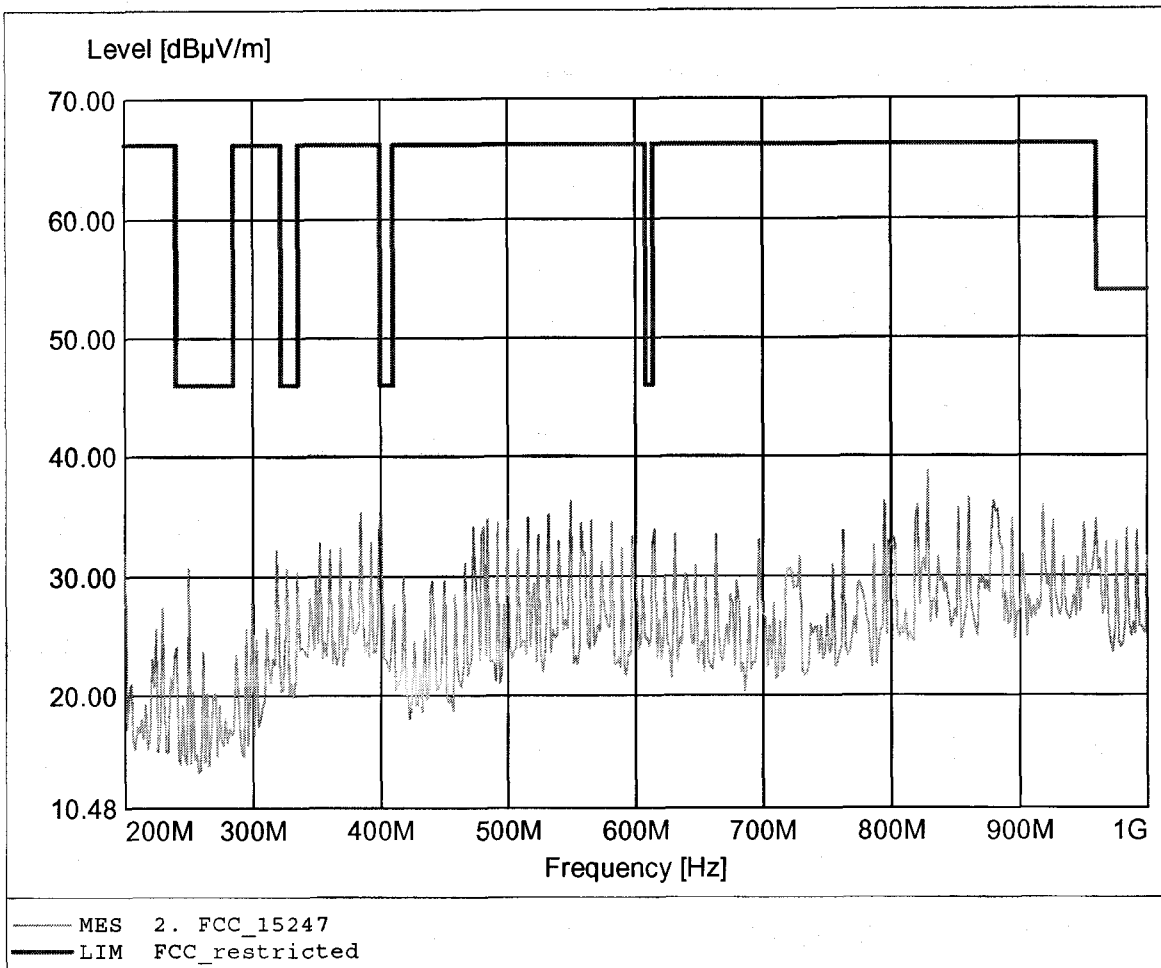
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Emax: 34.17dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

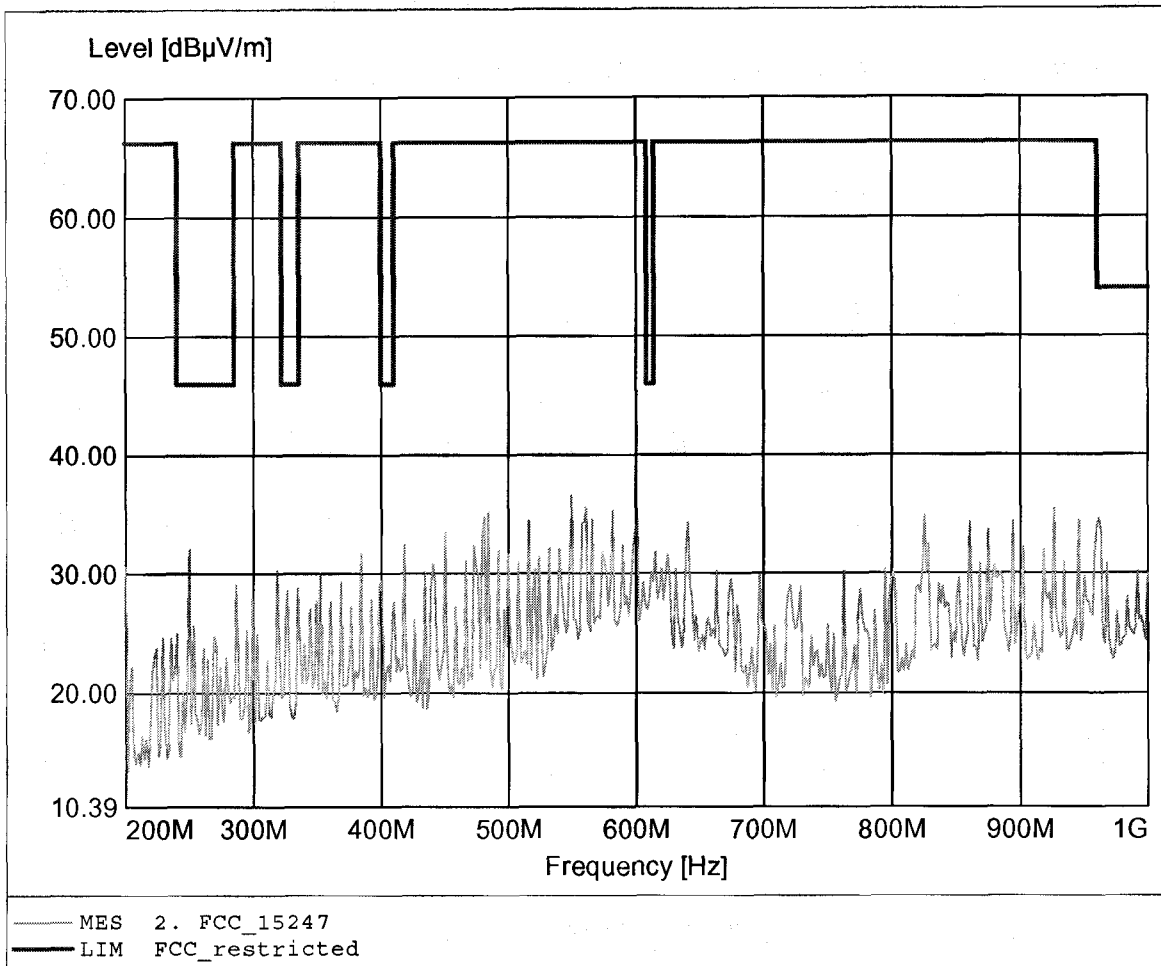
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 828.457MHz, Emax: 38.72dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

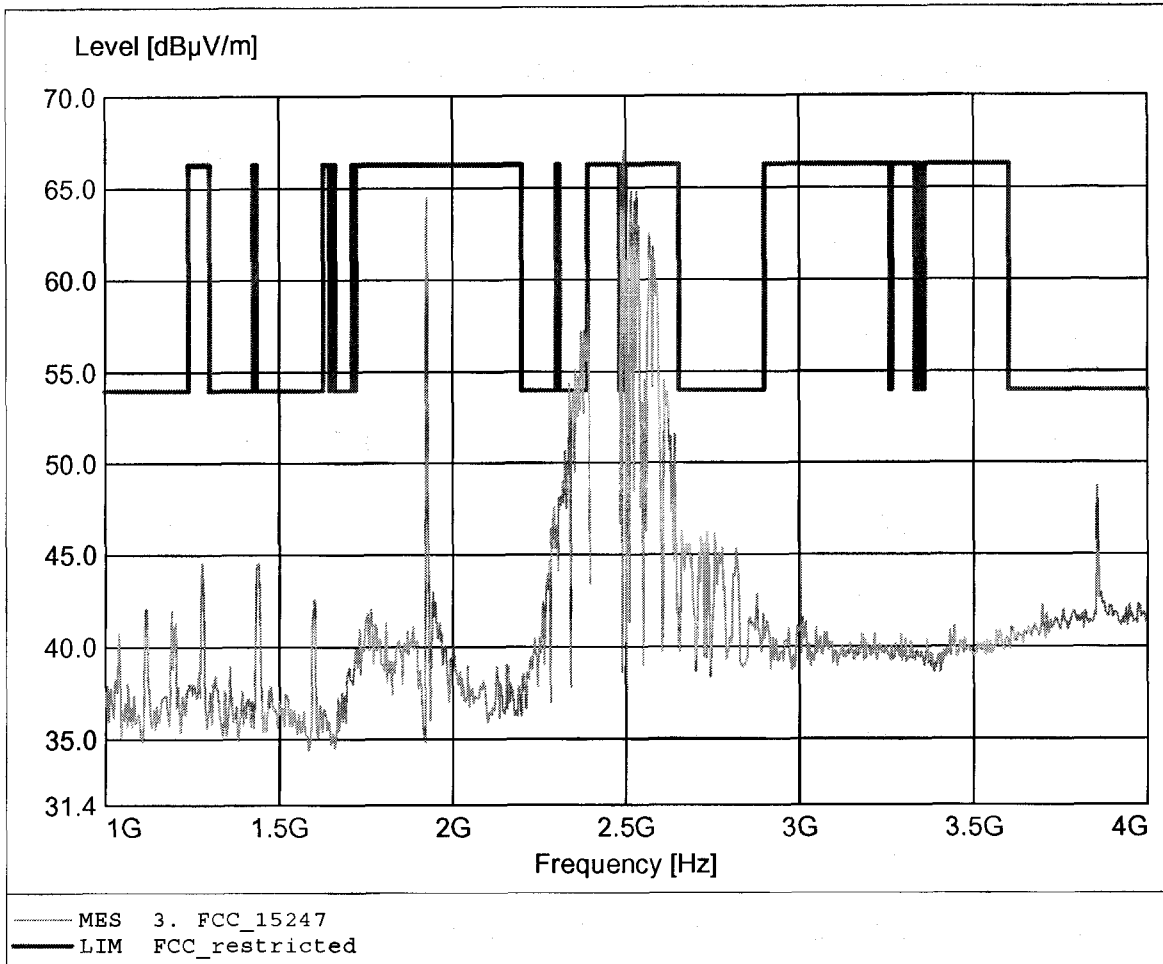
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 549.499MHz, Emax: 36.53dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

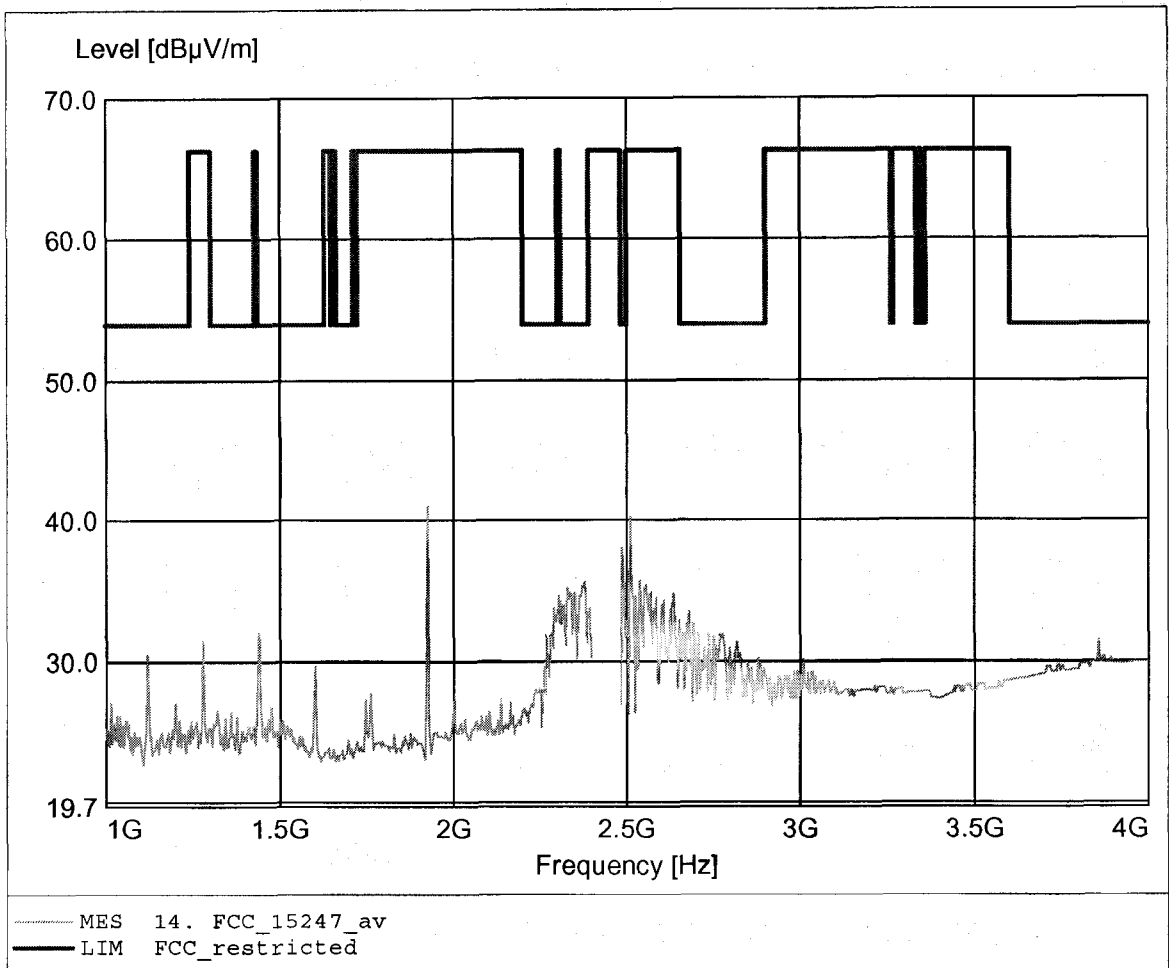
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.499GHz, Emax: 67.03dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

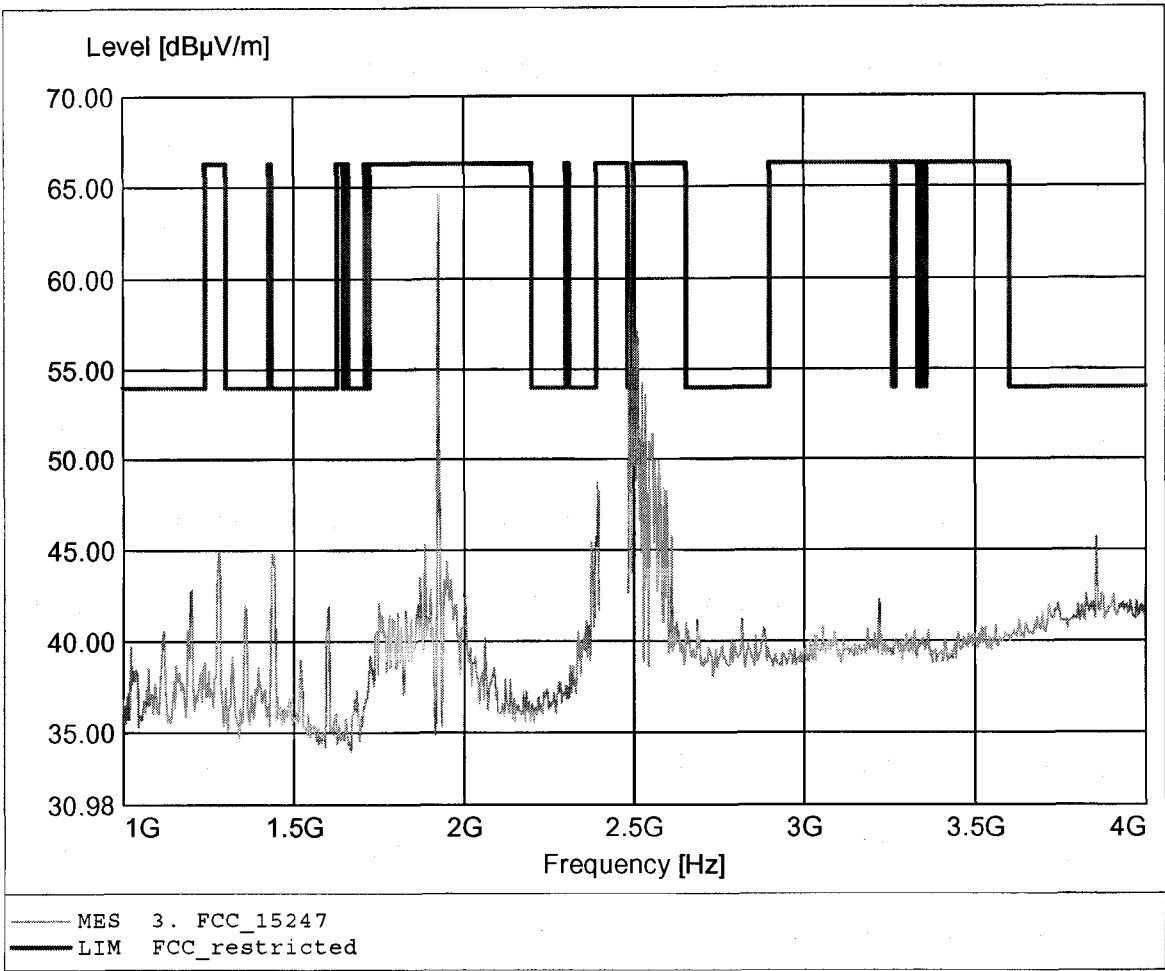
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 40.97dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

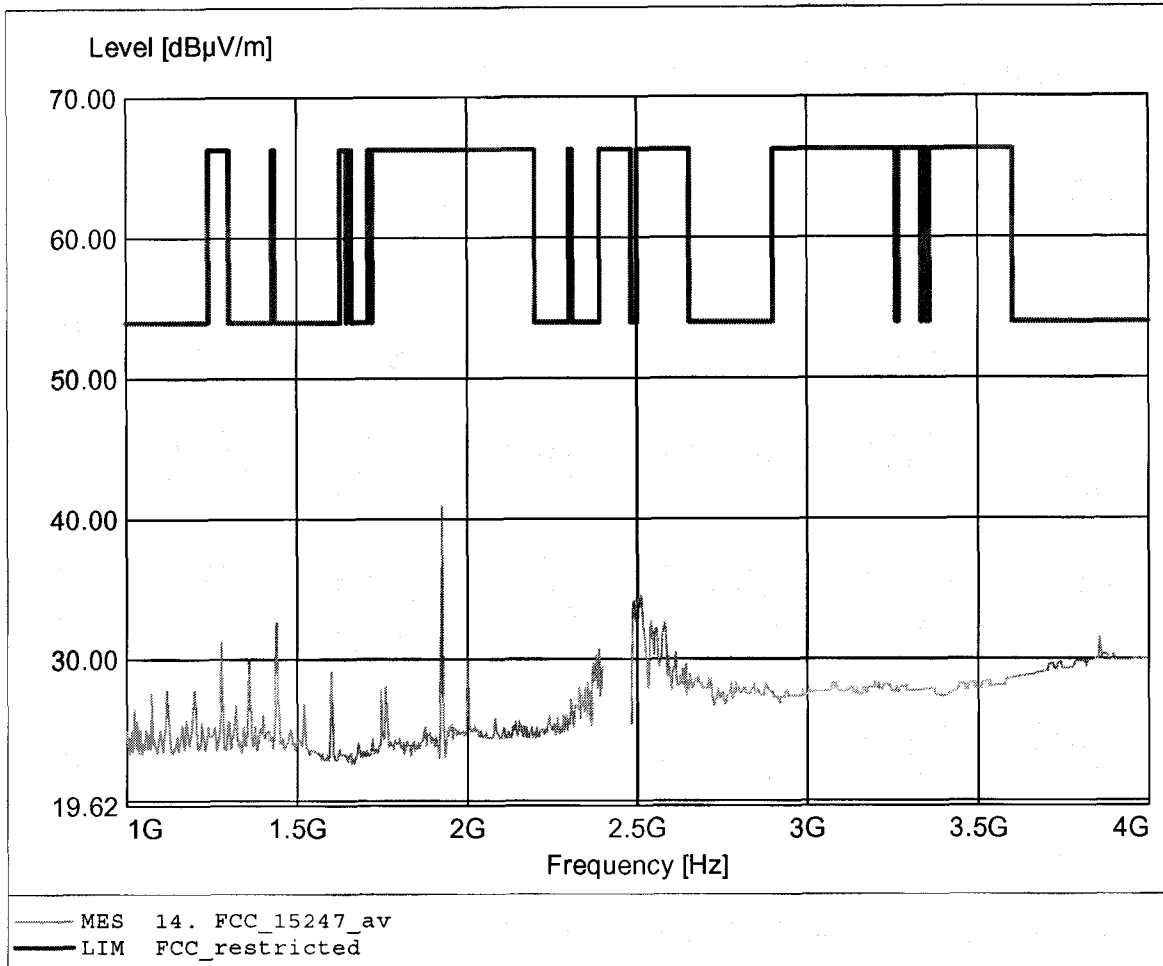
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 64.58dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

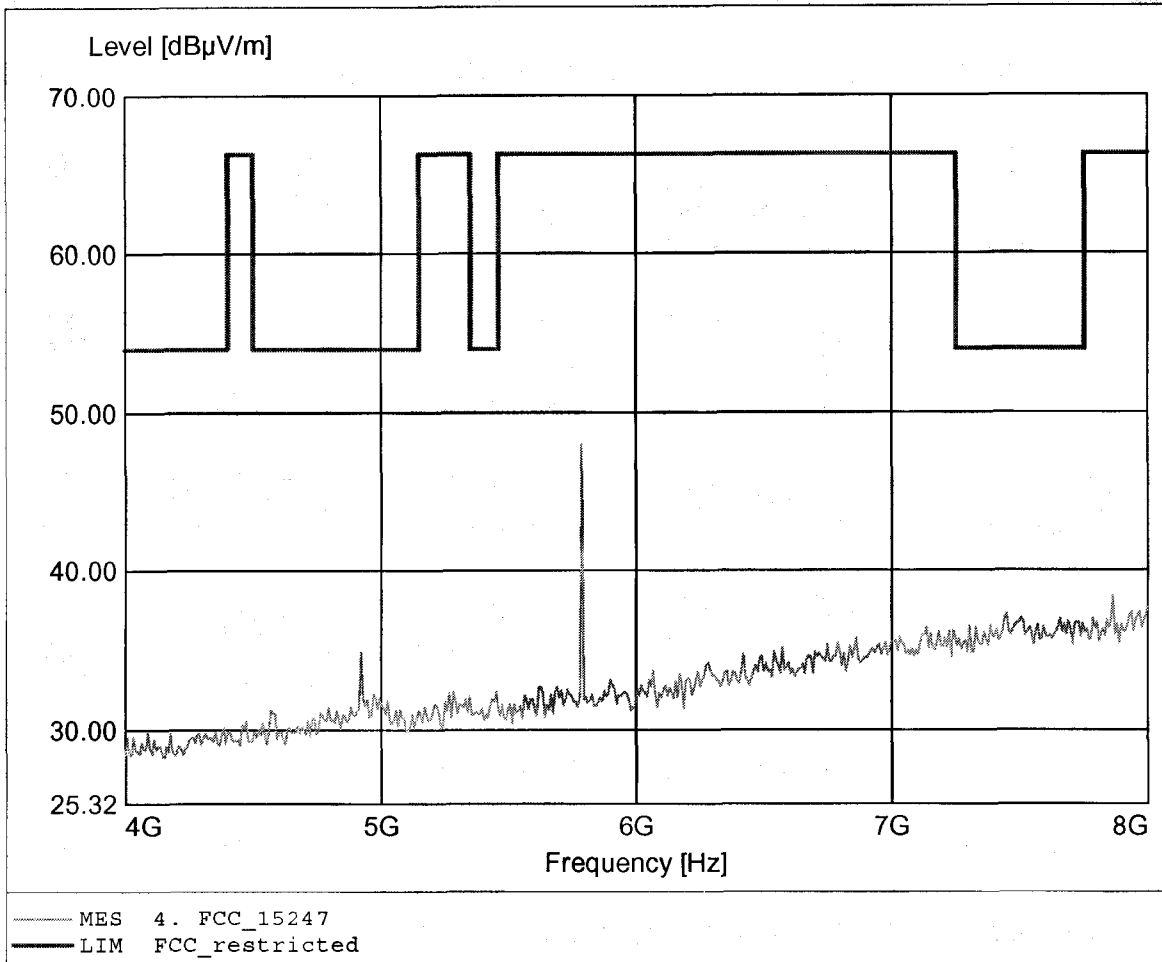
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.926GHz, Emax: 40.92dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

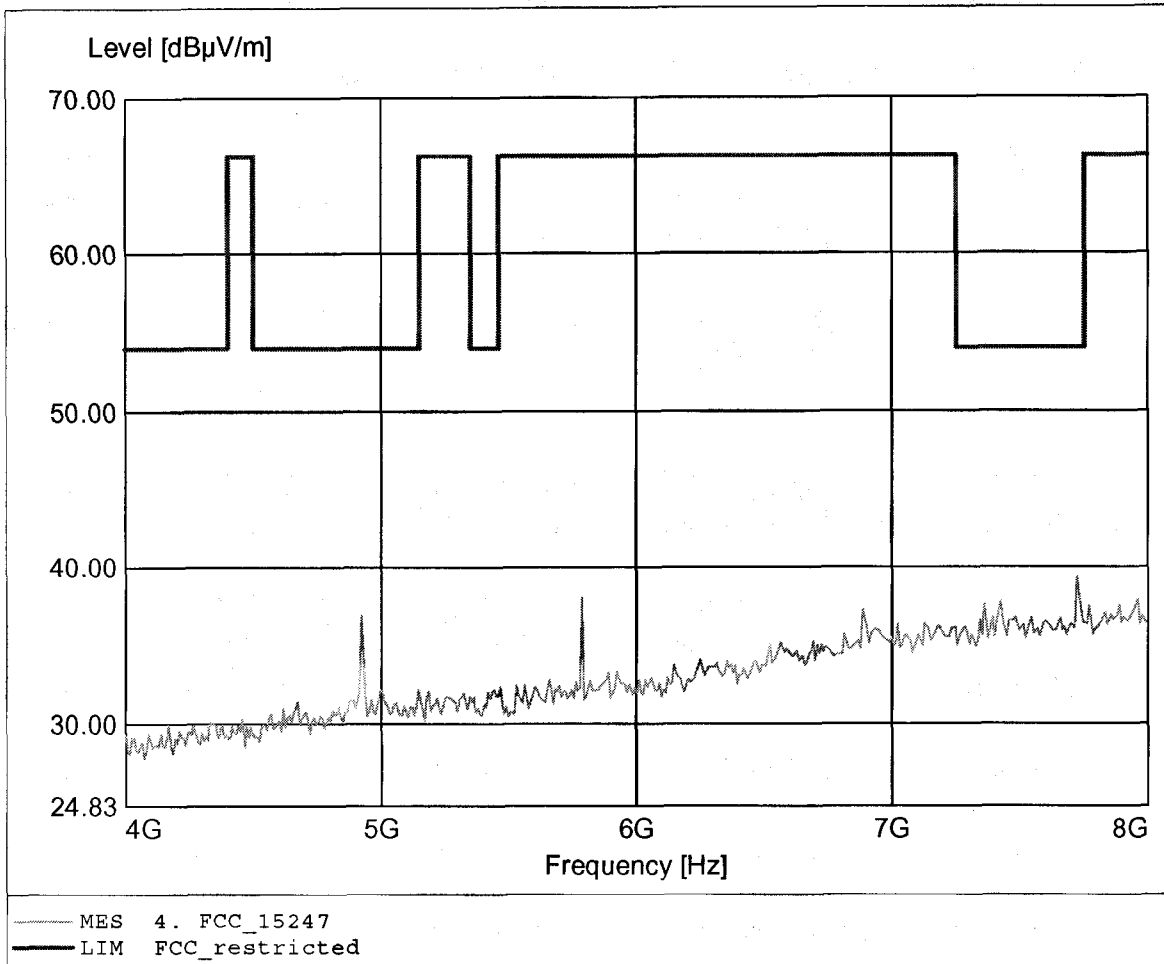
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.788GHz, Emax: 48.00dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

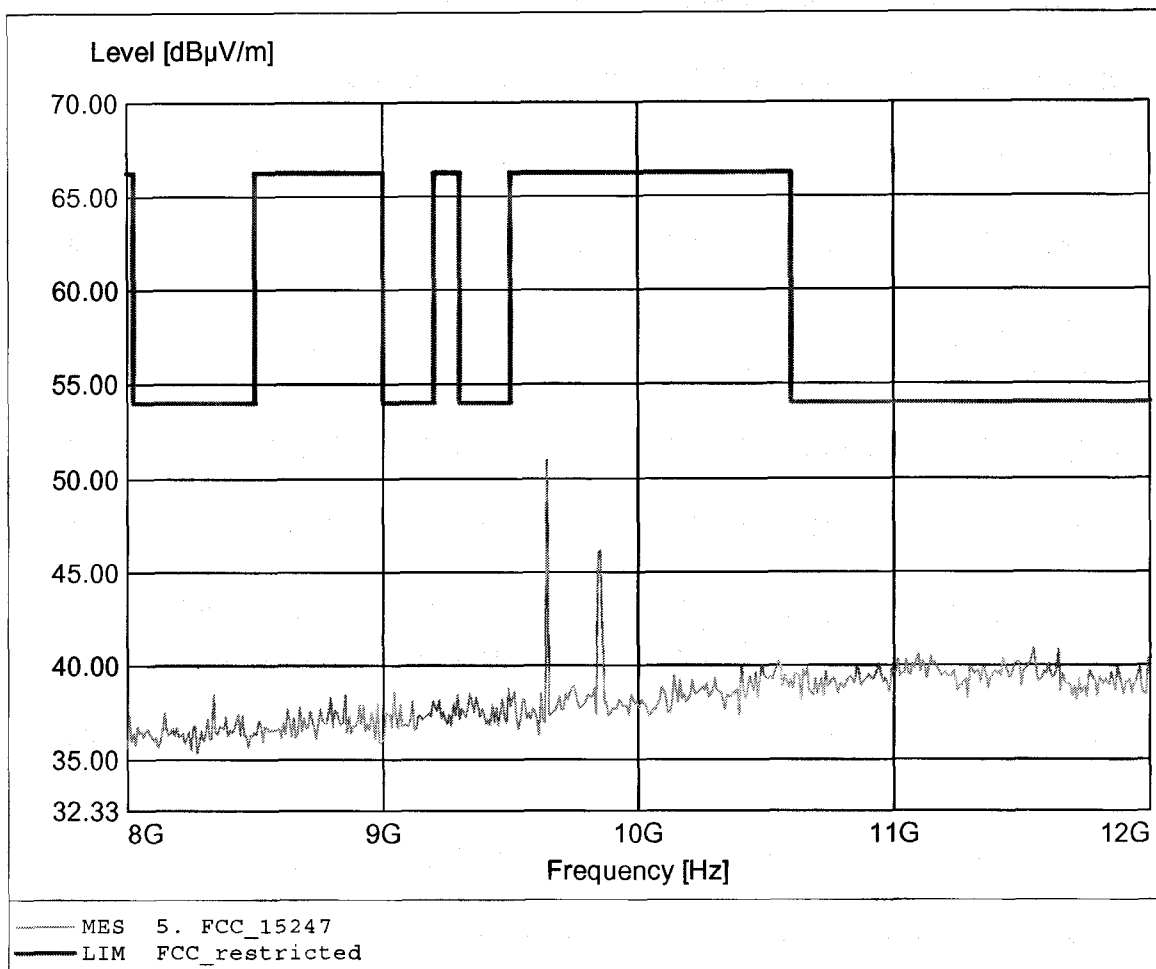
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.719GHz, Emax: 39.32dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

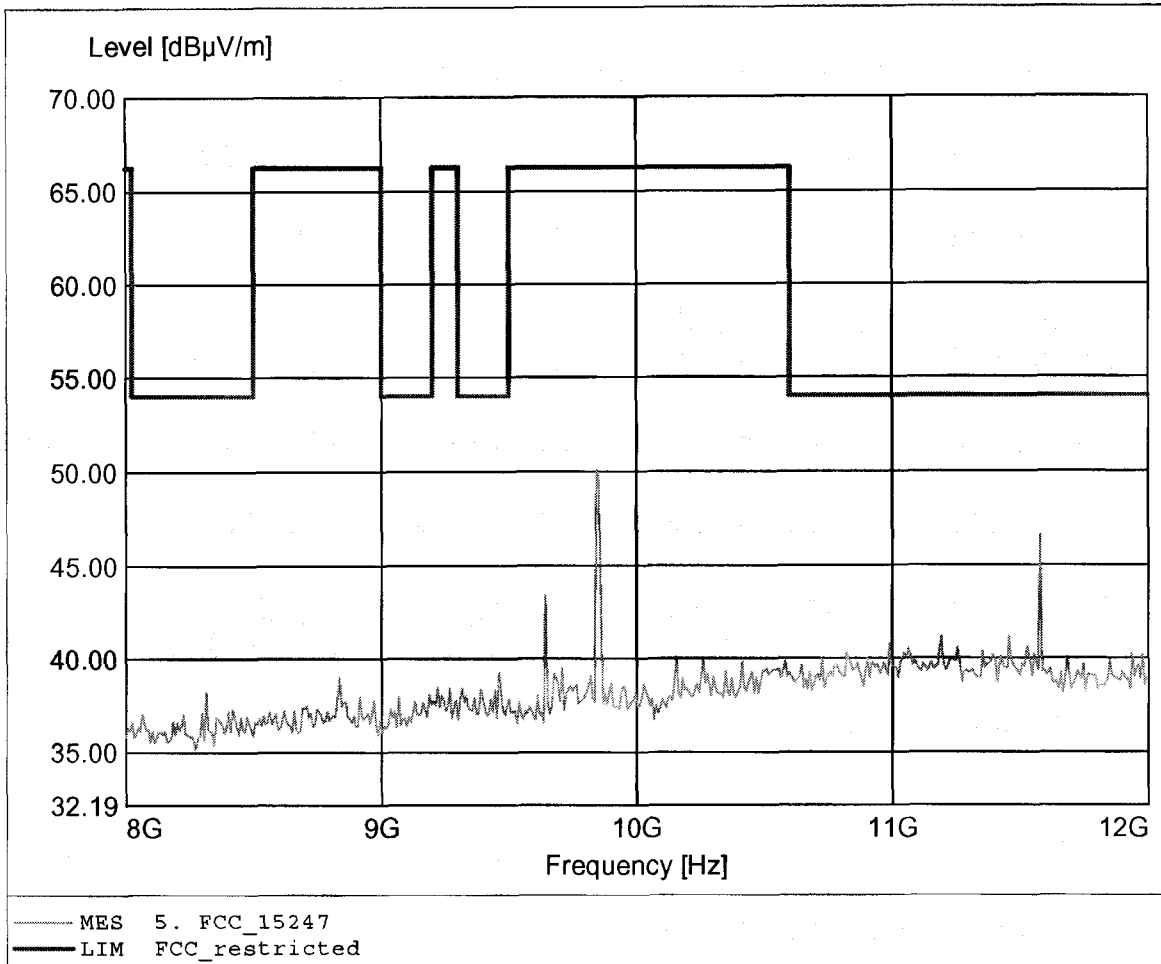
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.643GHz, Emax: 50.97dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

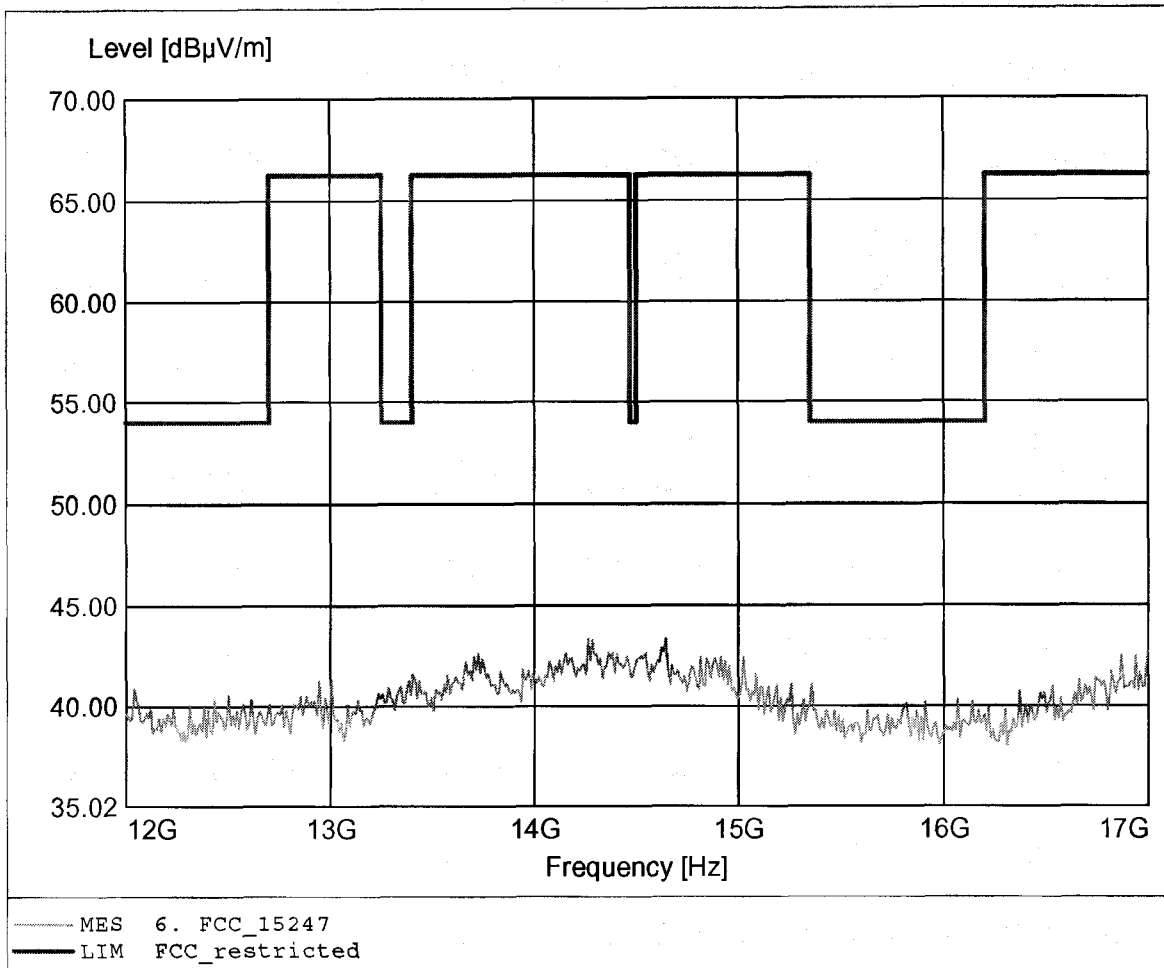
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.844GHz, Emax: 50.12dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

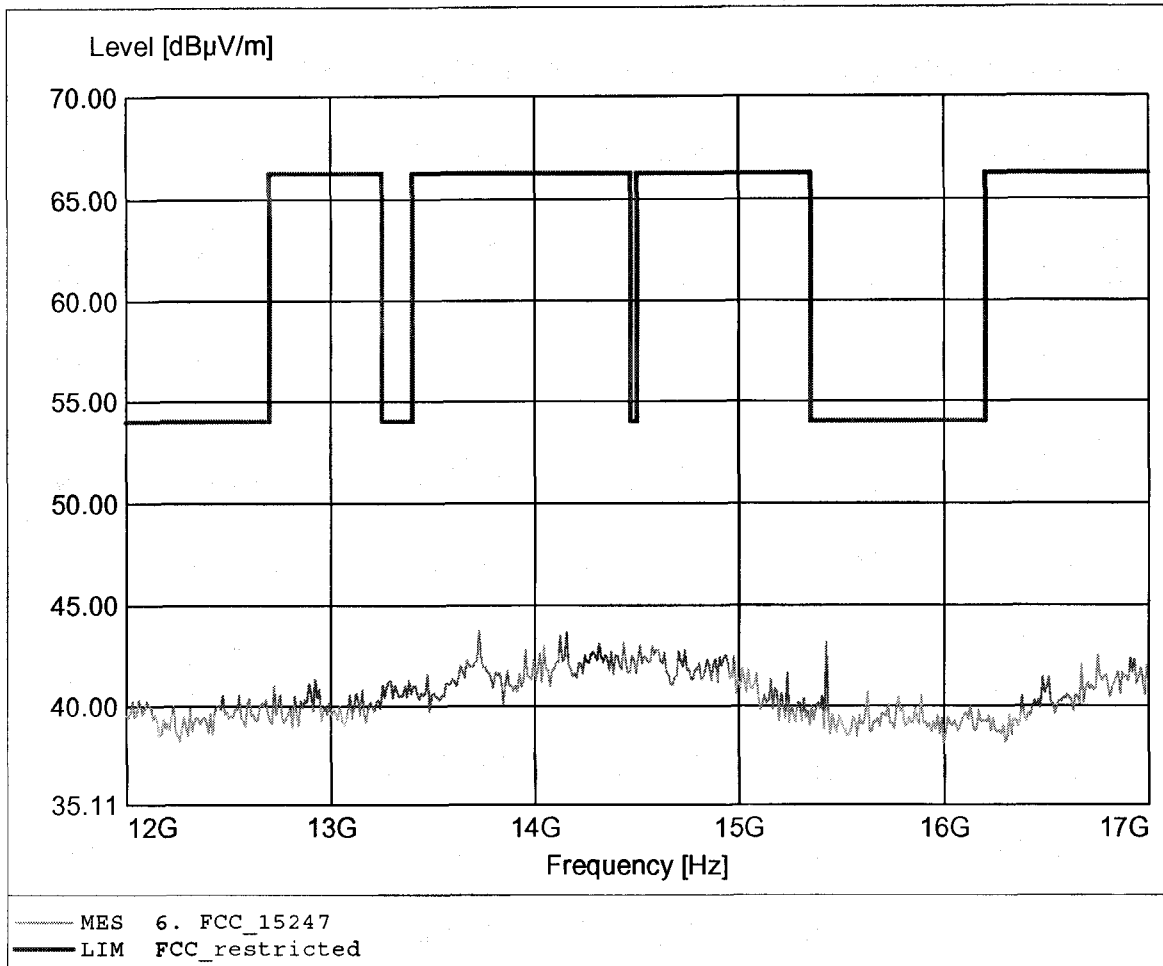
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.265GHz, Emax: 43.33dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

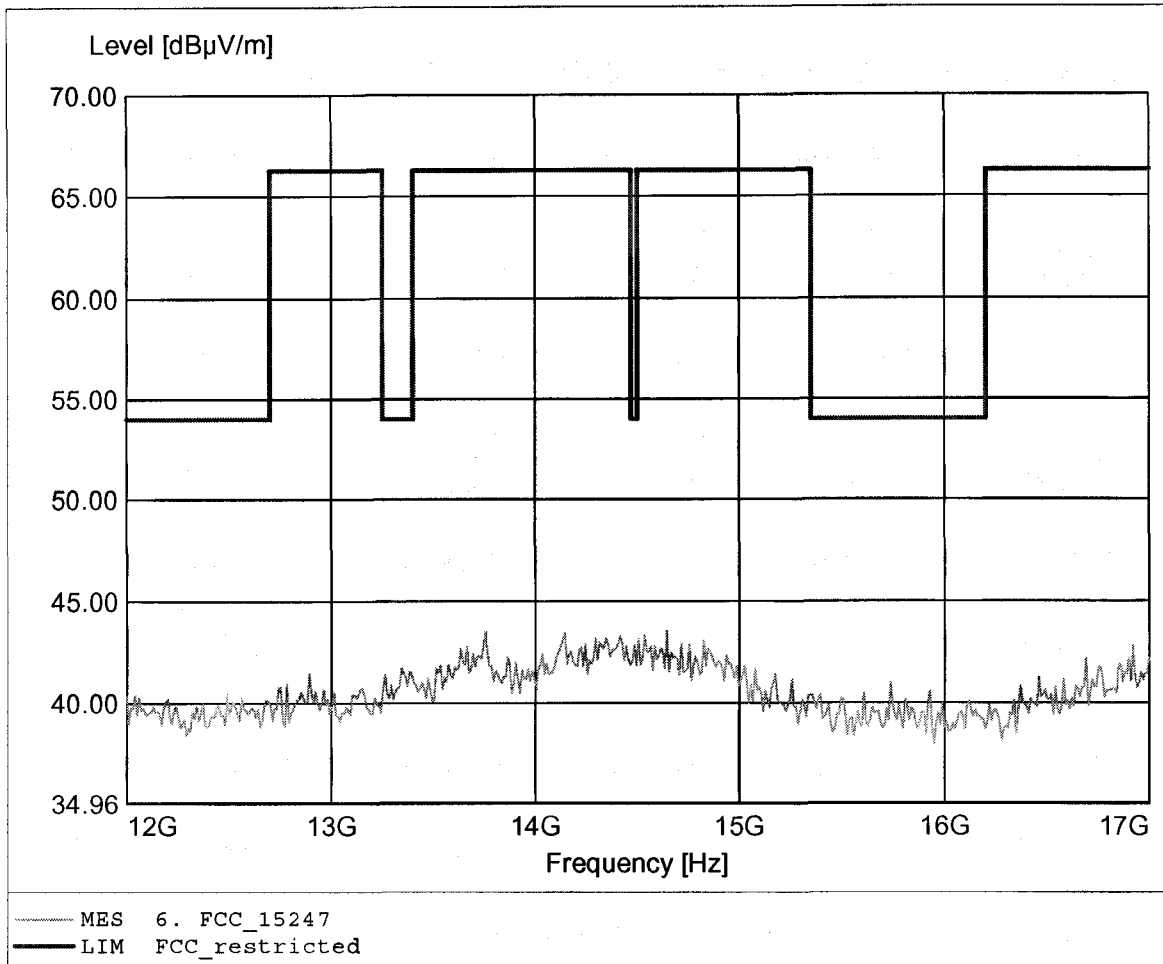
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.723GHz, Emax: 43.75dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

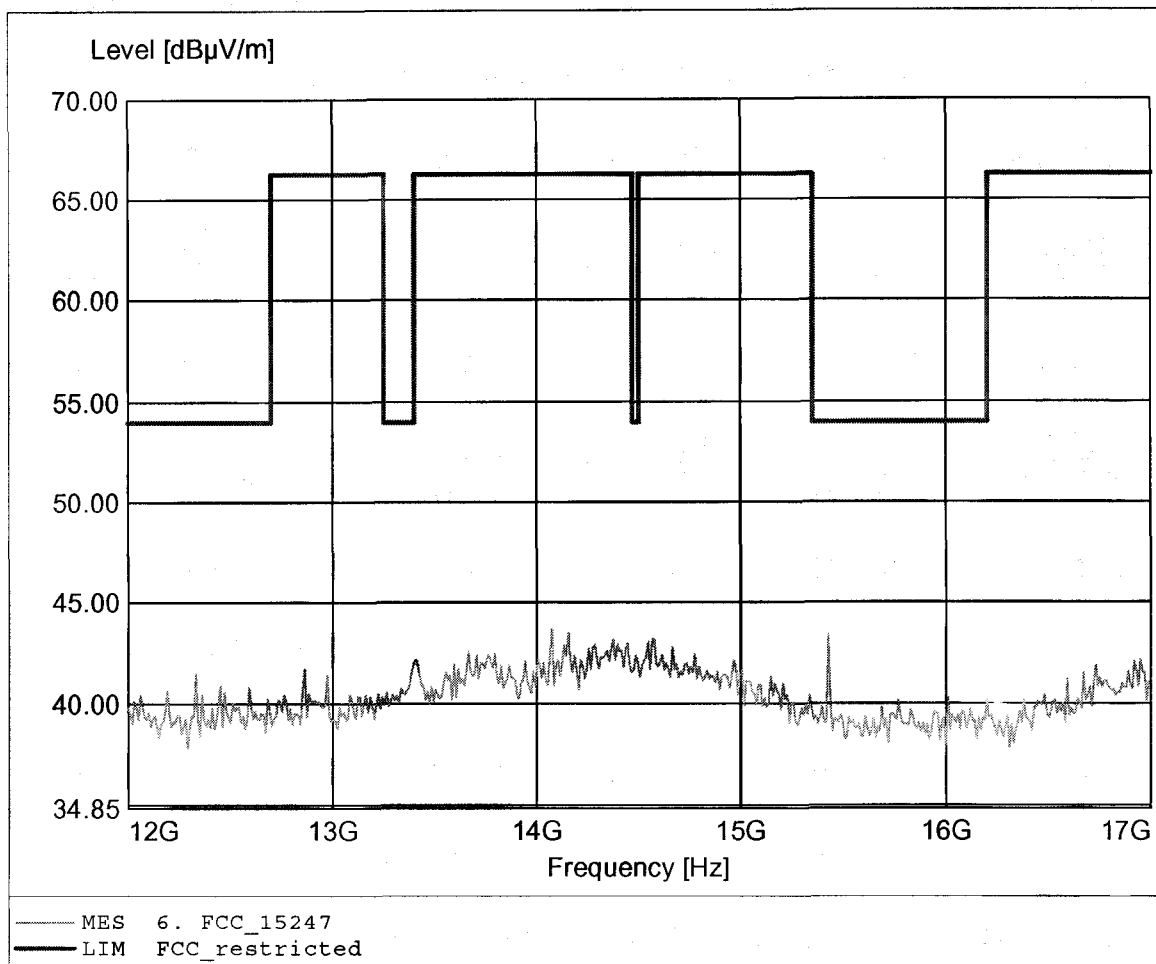
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.645GHz, Emax: 43.56dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

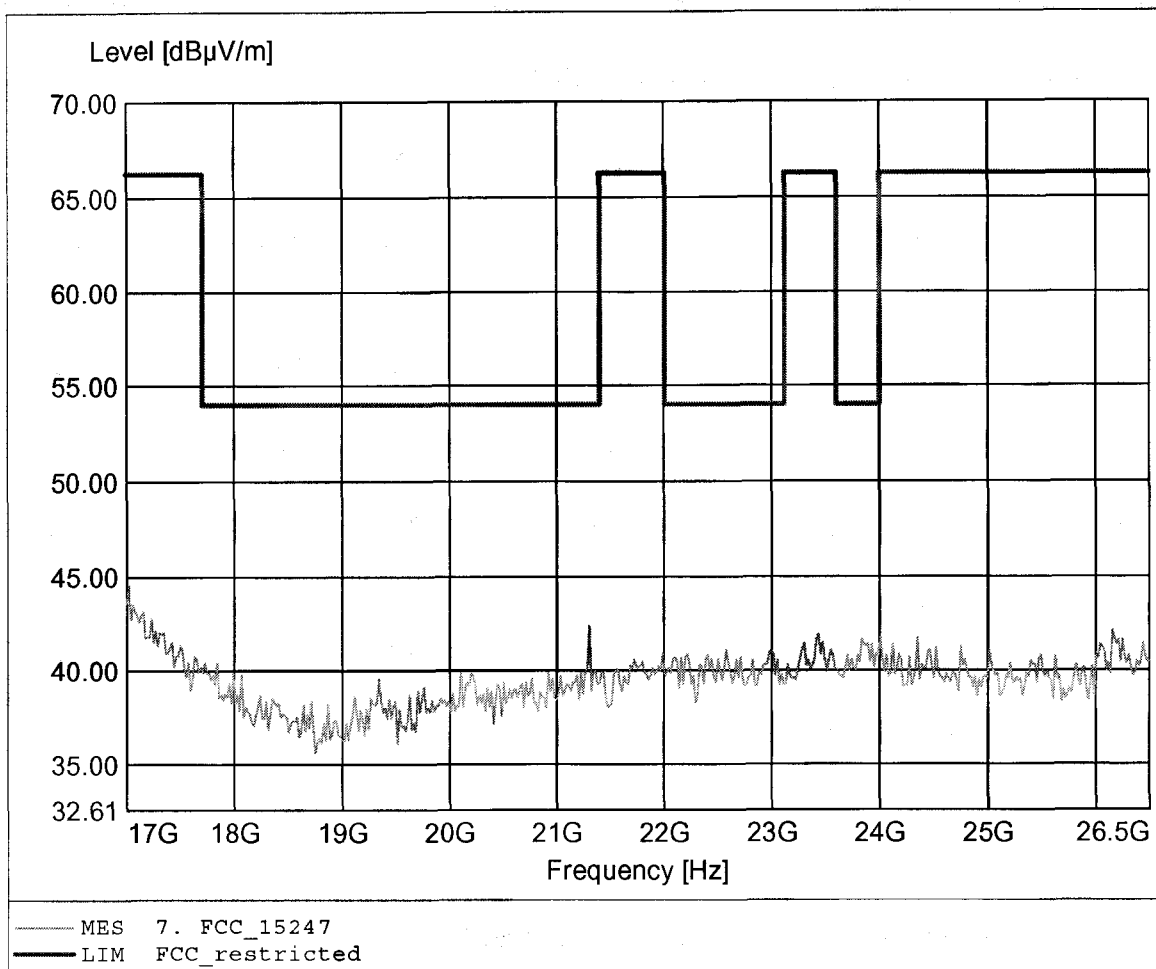
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2437 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.074GHz, Emax: 43.66dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

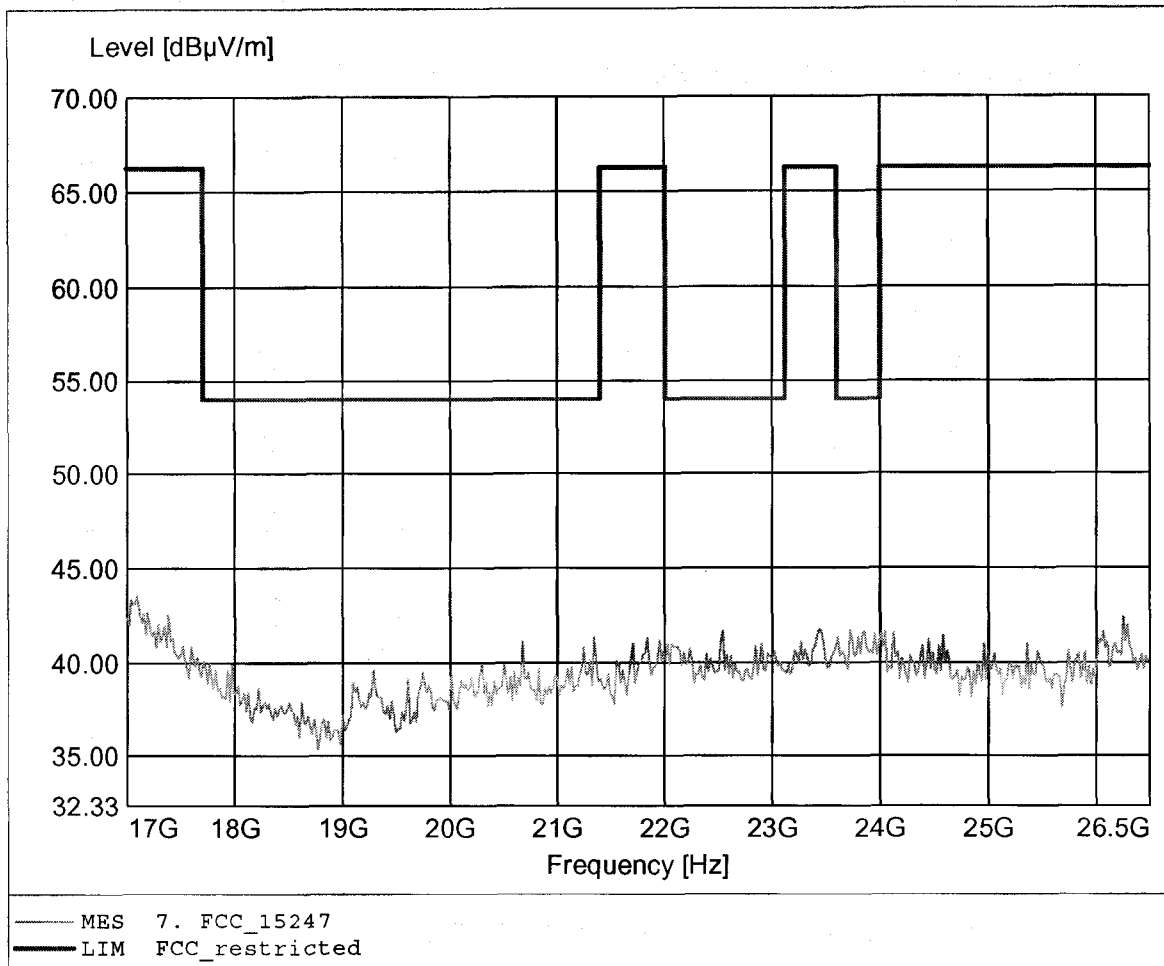
Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 44.54dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: LAKE Communications Ltd.
EUT: Residential Gateway with UPCS and WLAN
Model: Sigma / Connection Central / 54 Mbps / 2462 MHz
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom= 110 V AC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.095GHz, Emax: 43.56dBuV/m, RBW: 1MHz





Appendix D

Spurious Emissions conducted - Transmitter operating



Appendix E

Minimum 6 dB Bandwidth

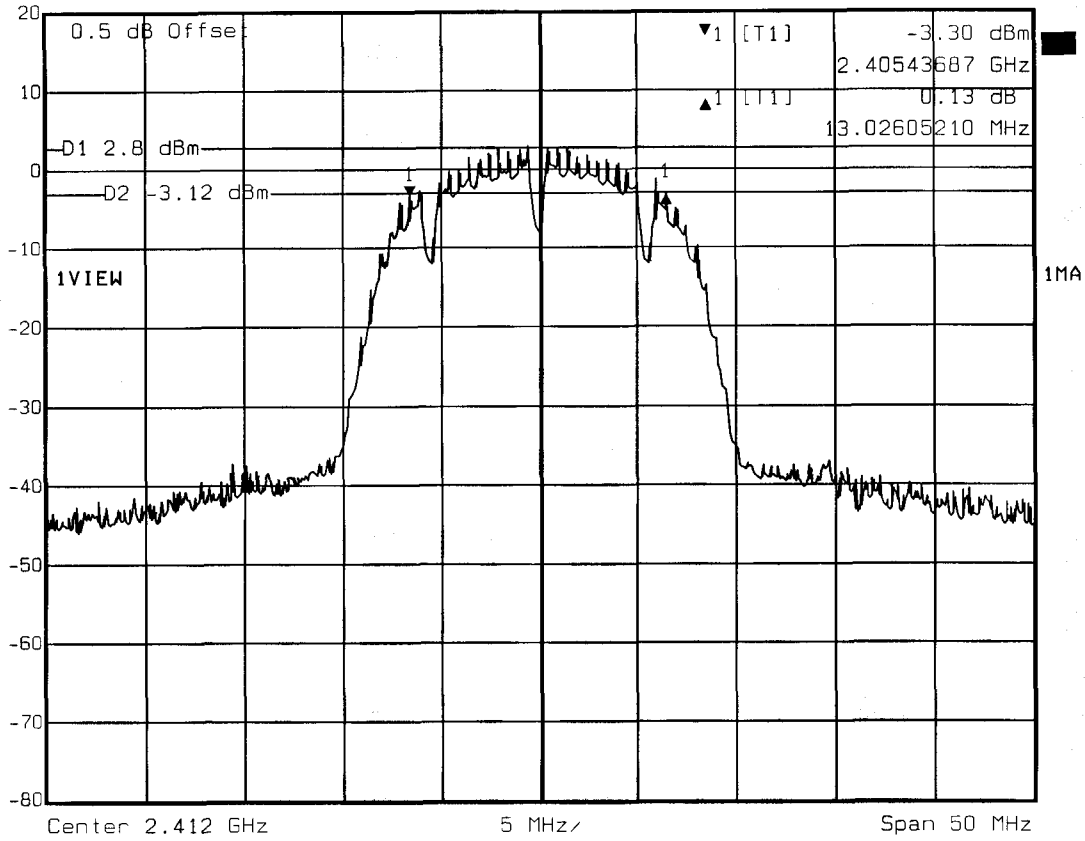


Delta 1 [T1]

RBW 100 kHz RF Att 40 dB

Ref Lvl 0.13 dB
20 dBm 13.02605210 MHz

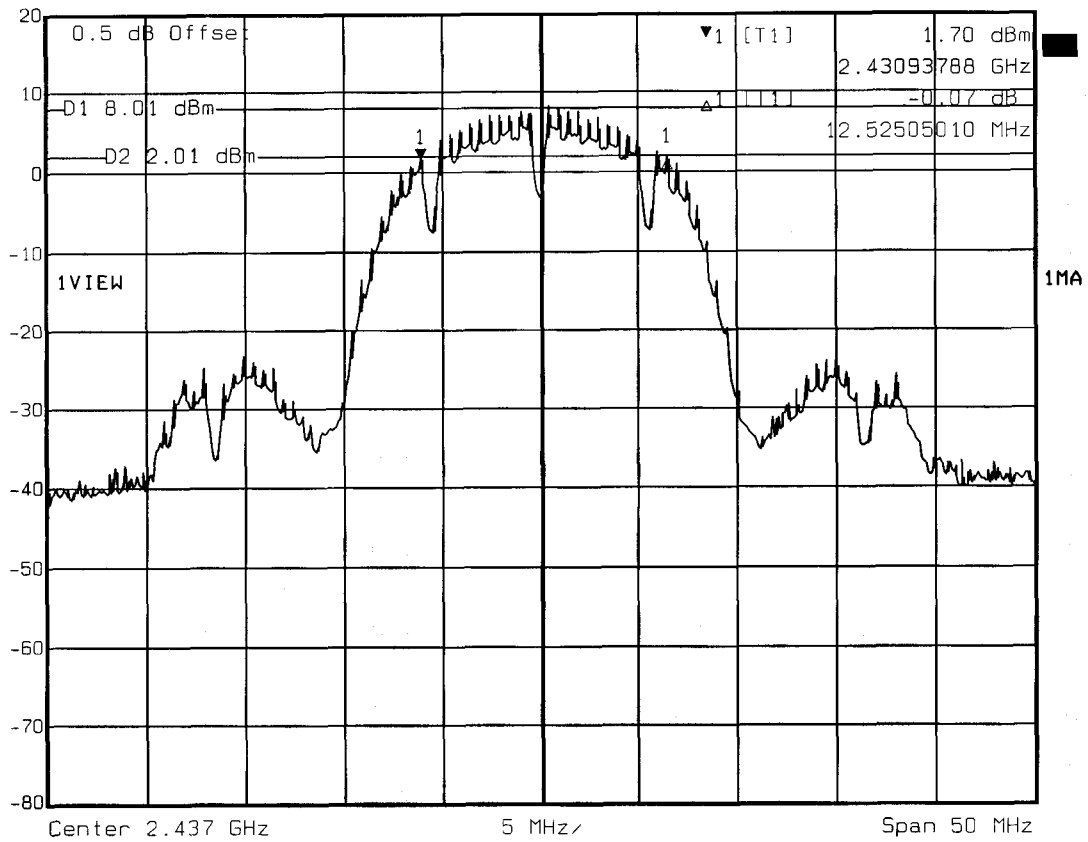
VBW 1 MHz
SWT 1 s Unit dBm



Title: minimum 6dB bandwidth 54Mbps
Comment A: Sigma / Connection Central / 2412MHz
Date: 21.SEP.2005 16:26:43



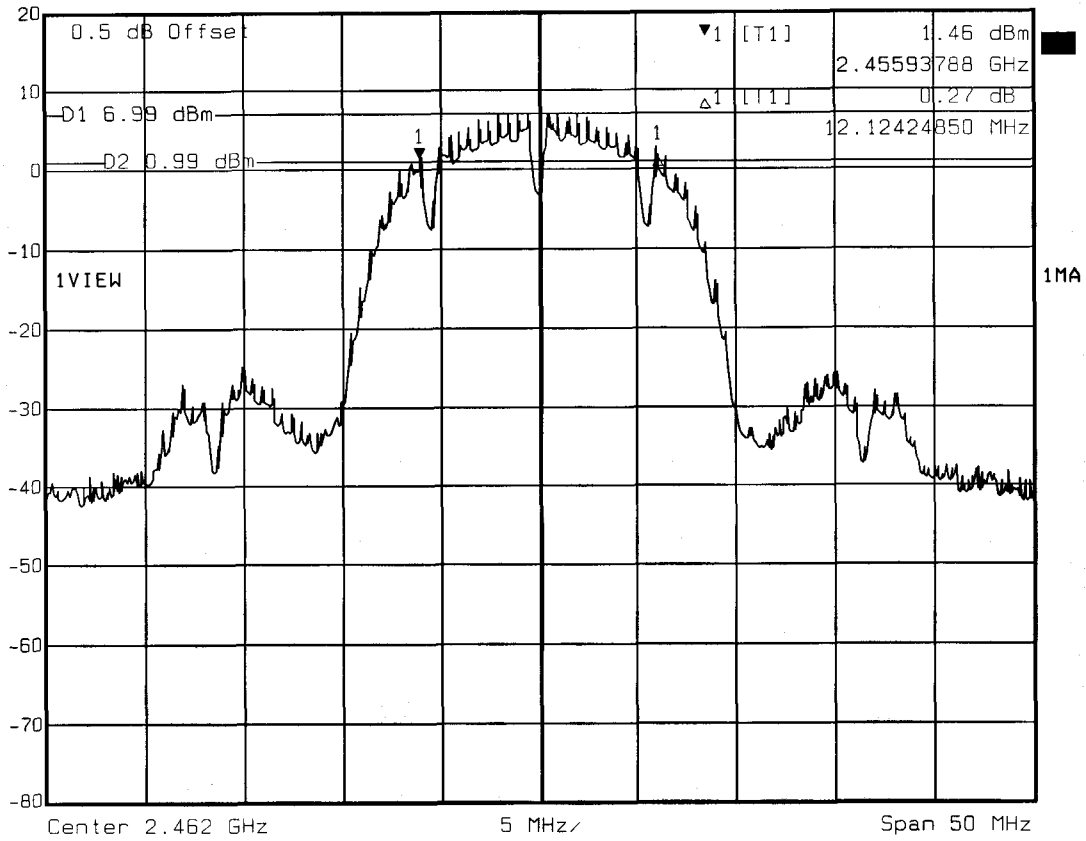
Marker 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.70 dBm VBW 1 MHz
20 dBm 2.43093788 GHz SWT 1 s Unit dBm



Title: minimum 6dB bandwidth 54Mbps
Comment A: Sigma / Connection Central / 2437MHz
Date: 21.SEP.2005 16:22:33



Marker 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.46 dBm VBW 1 MHz
20 dBm 2.45593788 GHz SWT 1 s Unit dBm



Title: minimum 6dB bandwidth 54Mbps
Comment A: Sigma / Connection Central / 2462MHz
Date: 21.SEP.2005 16:16:17

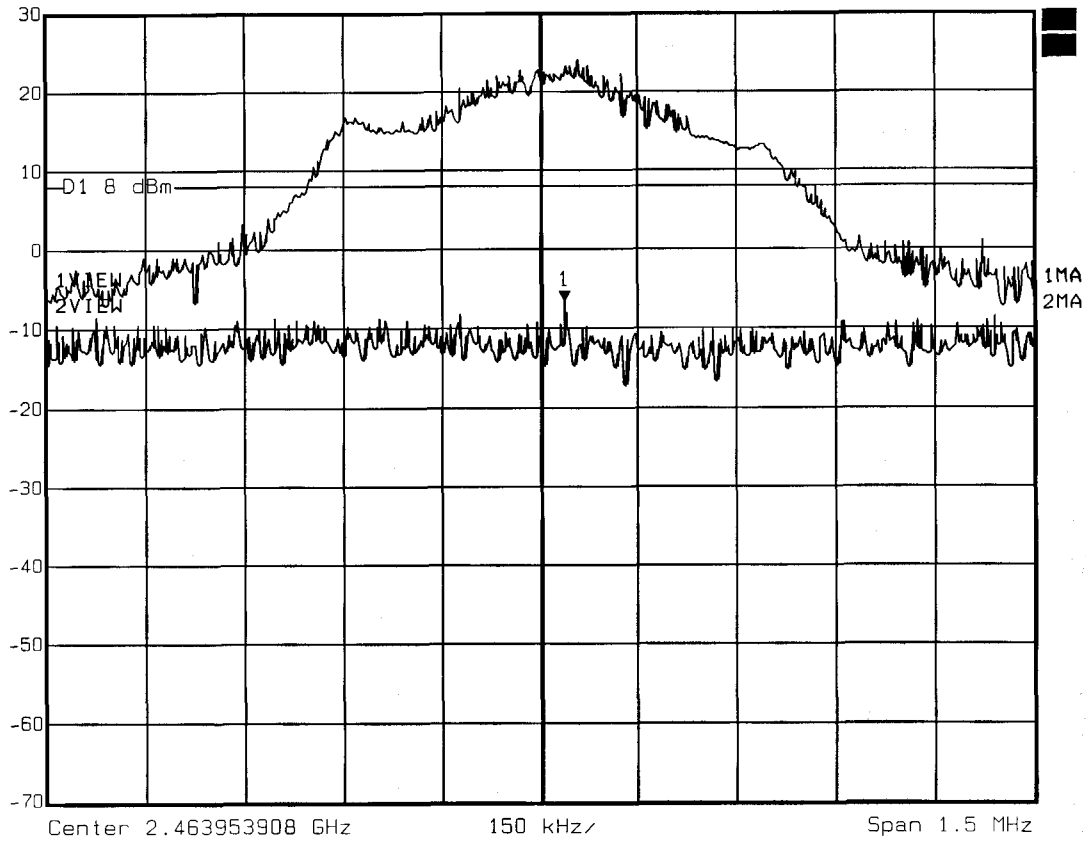


Appendix F

Peak Power Spectral Density



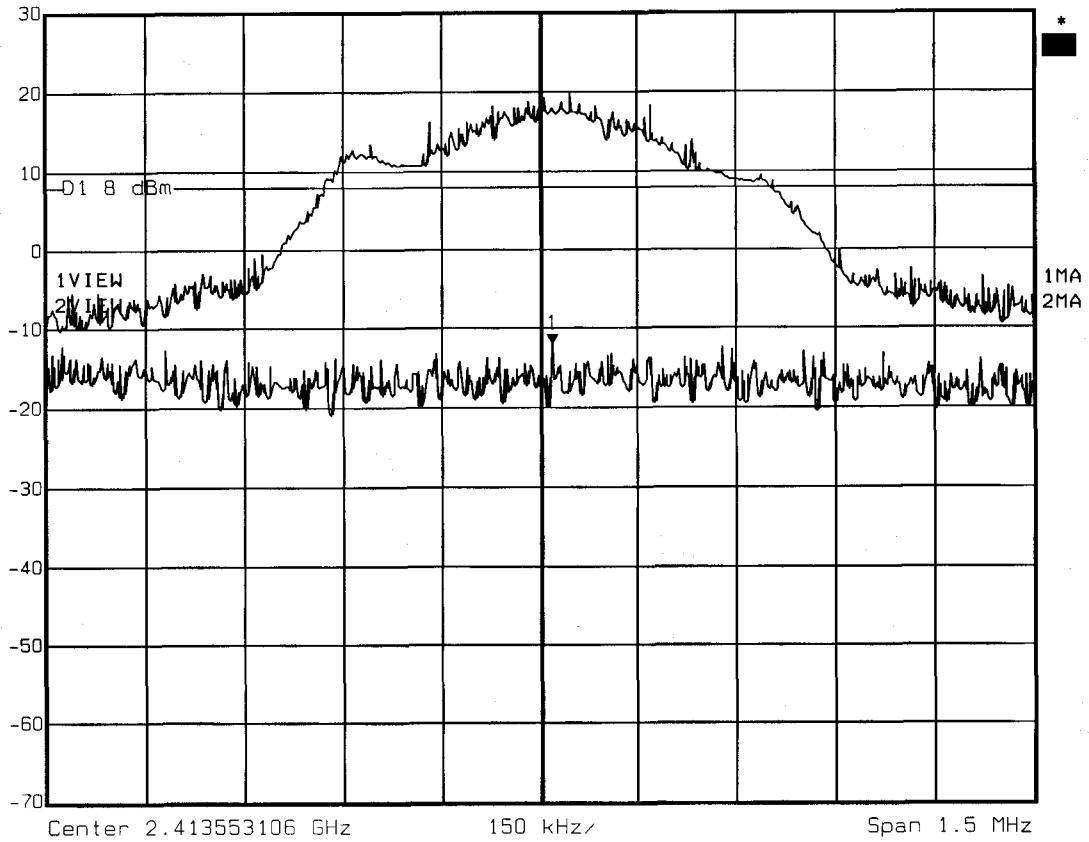
Marker 1 [T2] RBW 3 kHz RF Att 60 dB
Ref Lvl -6.63 dBm VBW 100 kHz
30 dBm 2.46399148 GHz SWT 500 s Unit dBm



Title: power spectral density / 54Mbps
Comment A: Sigma / Connection Central / 2462MHz
Date: 21.SEP.2005 17:25:17



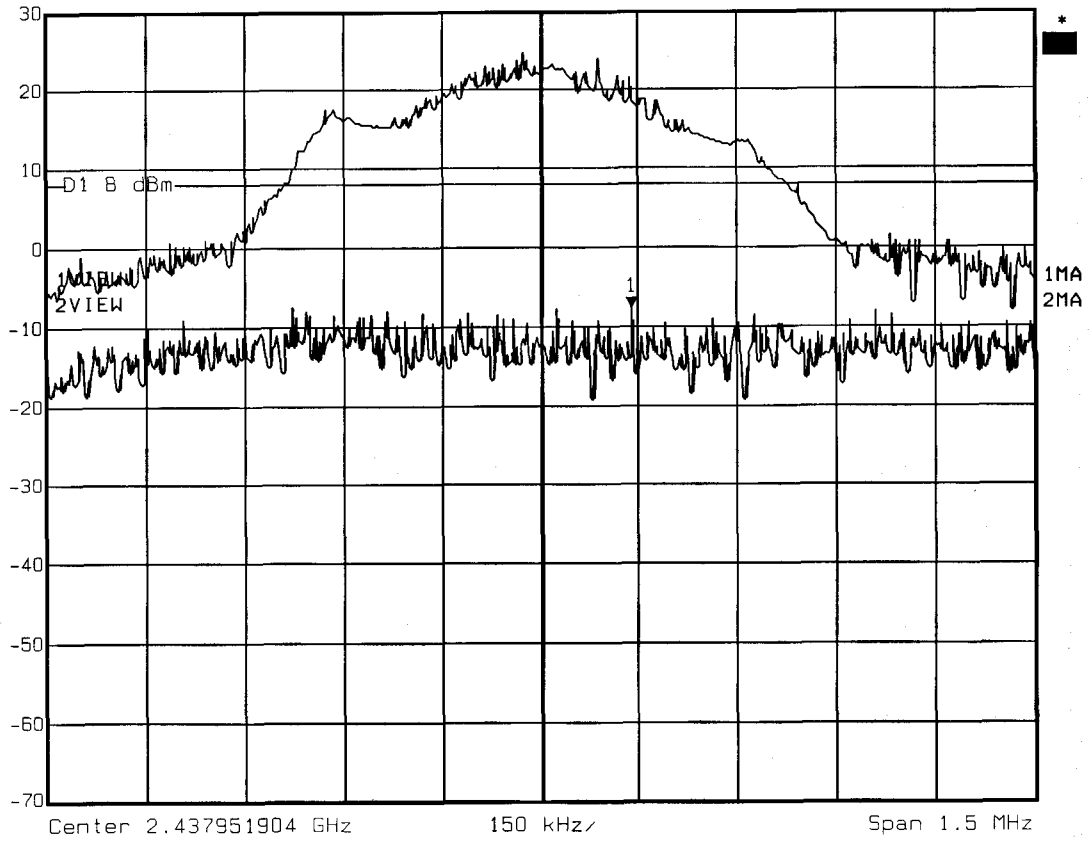
Marker 1 [T2] RBW 3 kHz RF Att 60 dB
Ref Lvl -12.03 dBm VBW 100 kHz
30 dBm 2.41357265 GHz SWT 500 s Unit dBm



Title: power spectral density / 54Mbps
Comment A: Sigma / Connection Central / 2412MHz
Date: 21.SEP.2005 17:06:55



Marker 1 [T2] RBW 3 kHz RF Att 60 dB
Ref Lvl -7.73 dBm VBW 100 kHz
30 dBm 2.43809168 GHz SWT 500 s Unit dBm



Title: power spectral density / 54Mbps
Comment A: Sigma / Connection Central / 2437MHz
Date: 21.SEP.2005 17:17:21

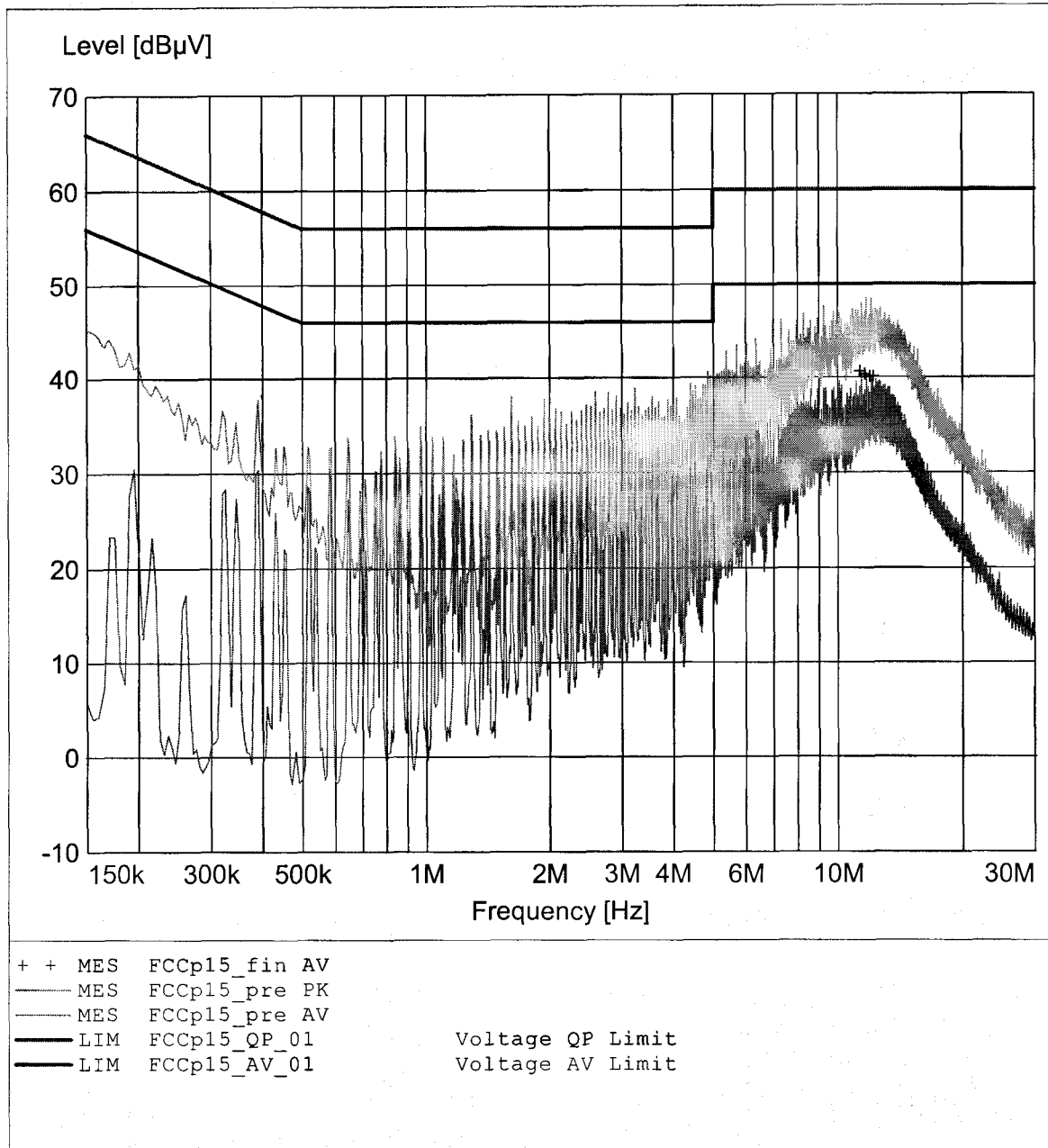


Appendix G

Conducted Emission at (AC) Power Line

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

EUT: Sigma / Connection Central
 Manufacturer: LAKE Communications Ltd.
 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: 5923-05500
 Adaptor: SPA2400700



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

EUT: Sigma / Connection Central
Manufacturer: LAKE Communications Ltd.
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: 5923-05500
Adaptor: SPA2400700

