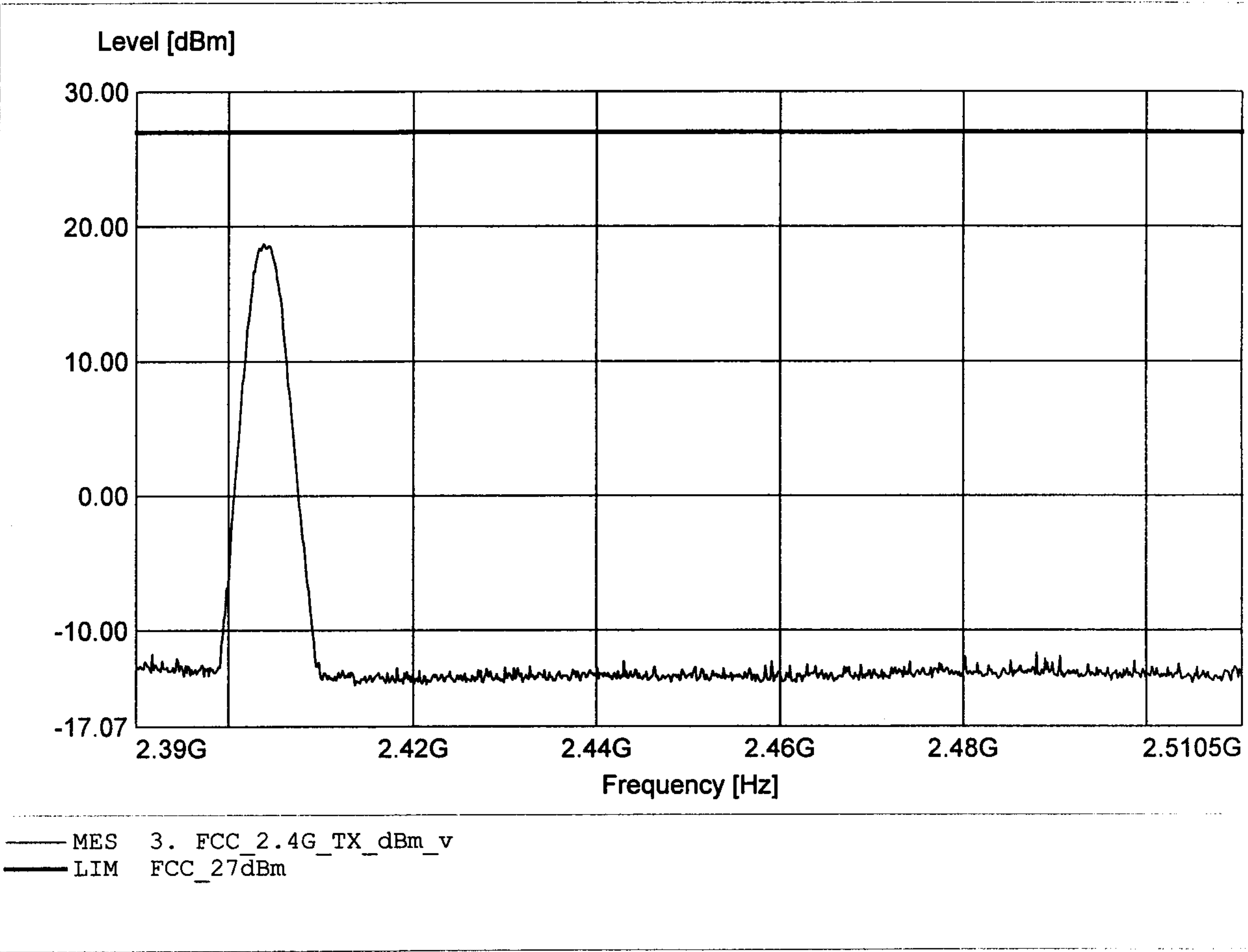


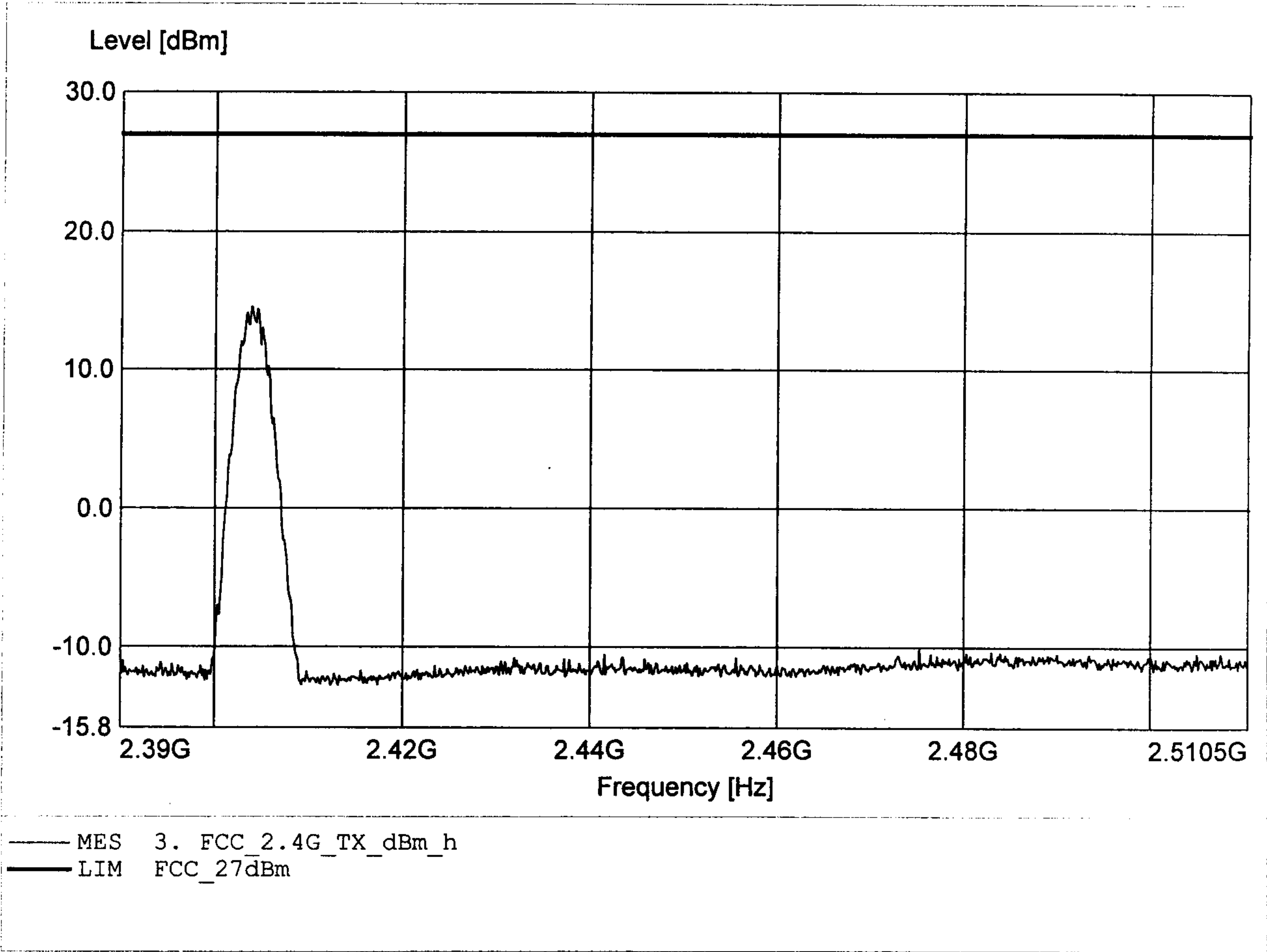
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (+15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2403,79MHz Pmax:18,75dBm RBW:3MHz



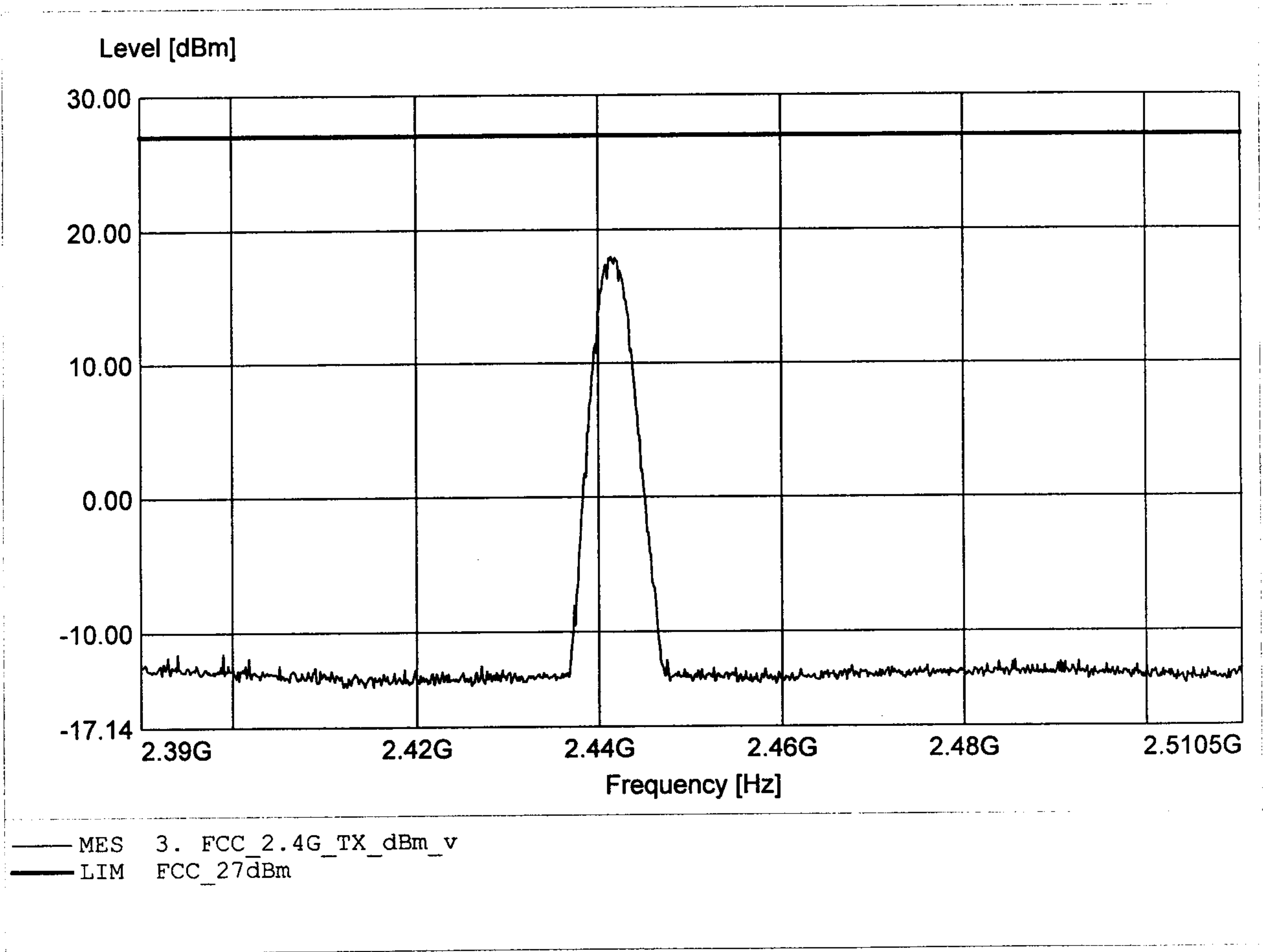
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (+15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2403,92MHz Pmax:14,52dBm RBW:3MHz



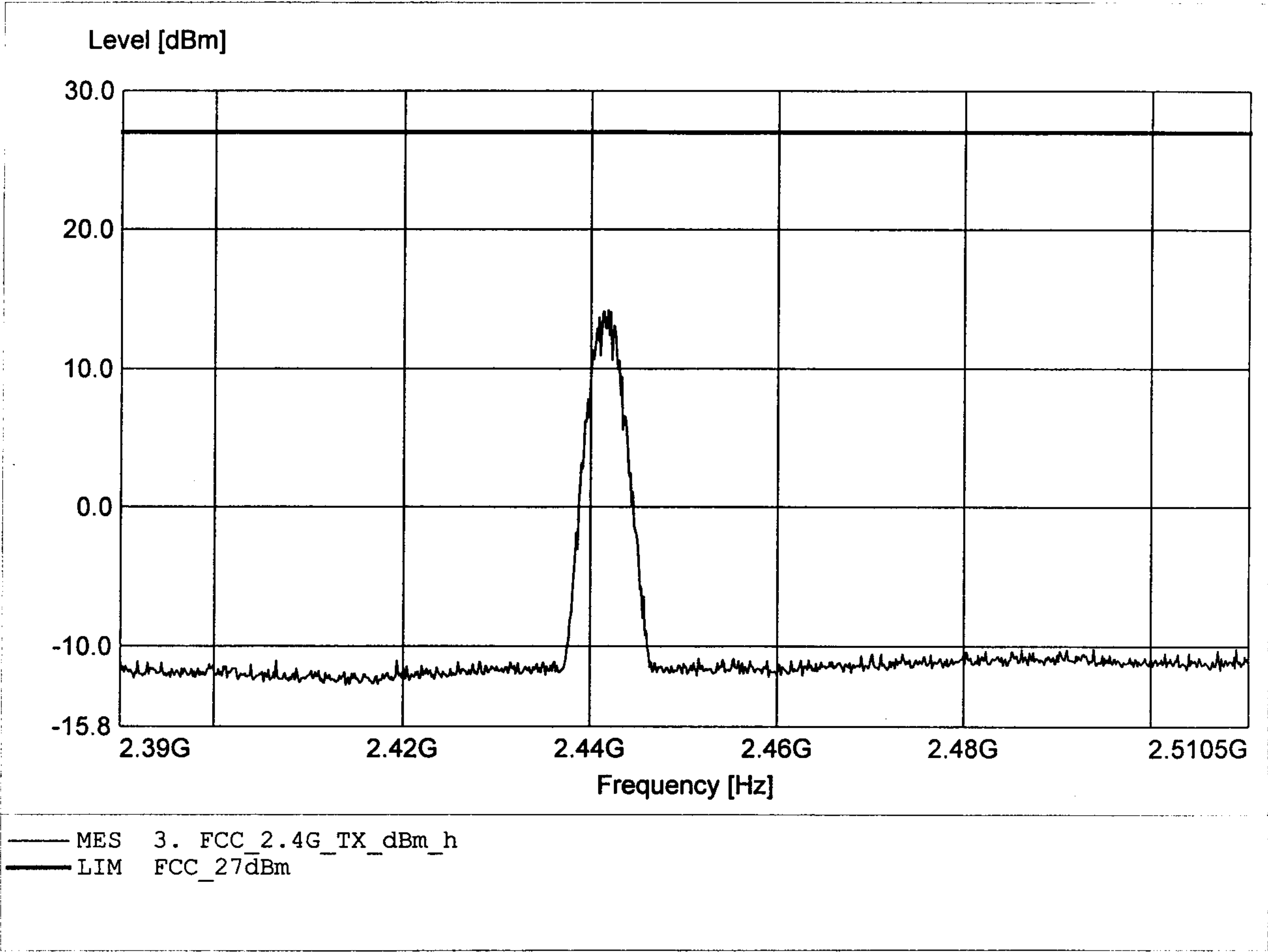
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (+15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2441,41MHz Pmax:18,01dBm RBW:3MHz



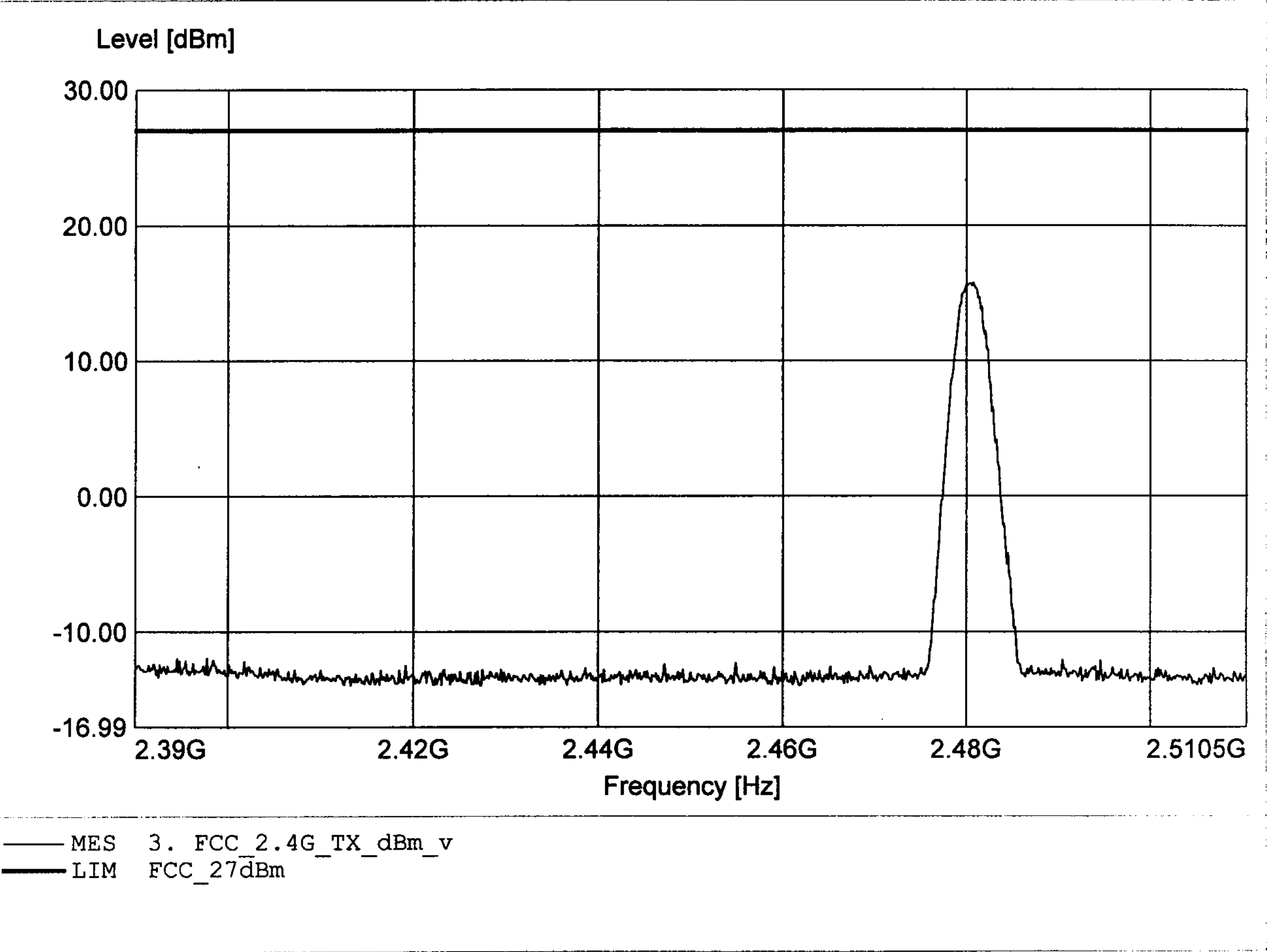
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (+15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2441,81MHz Pmax:14,22dBm RBW:3MHz



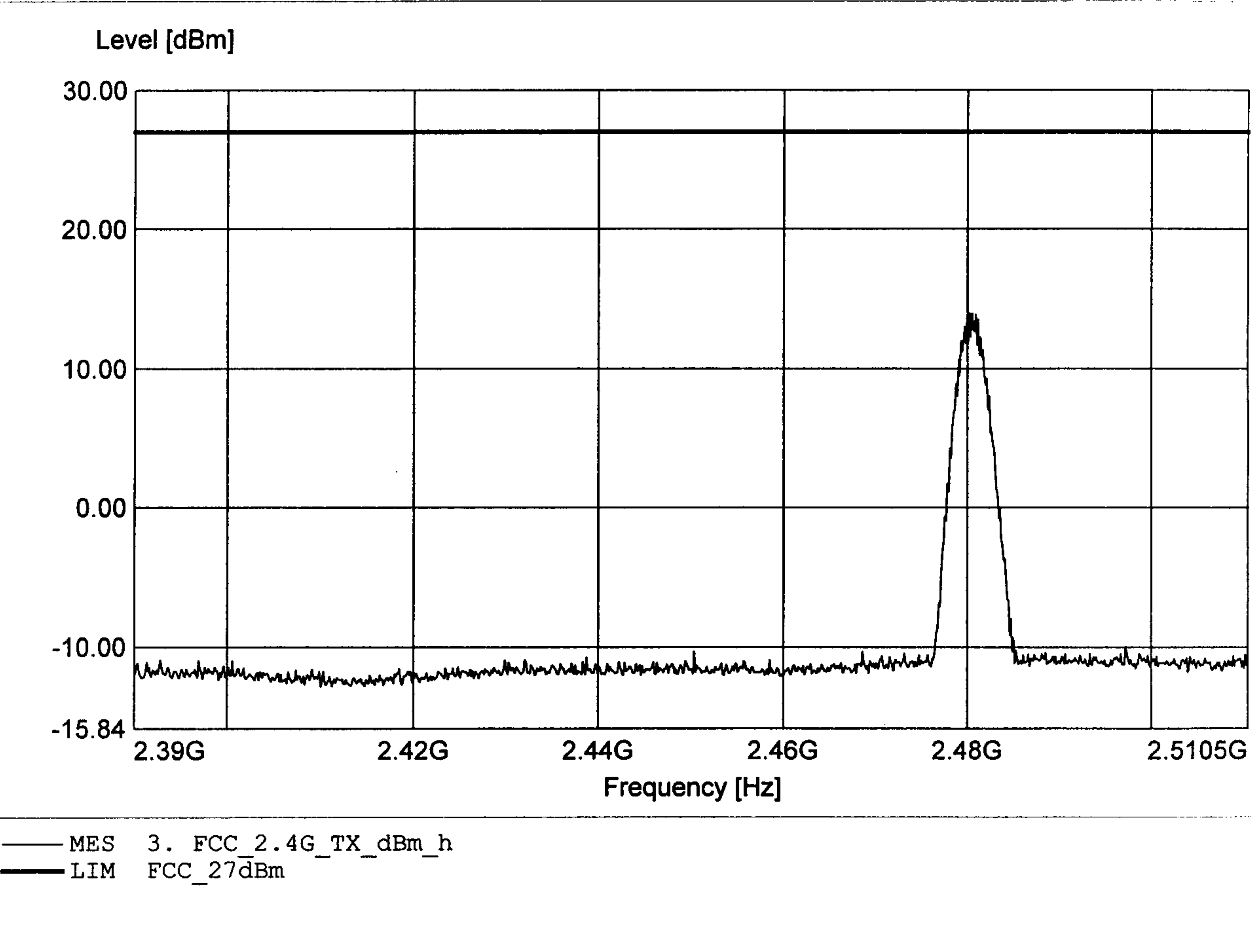
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (+15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2480,77MHz Pmax:15,80dBm RBW:3MHz



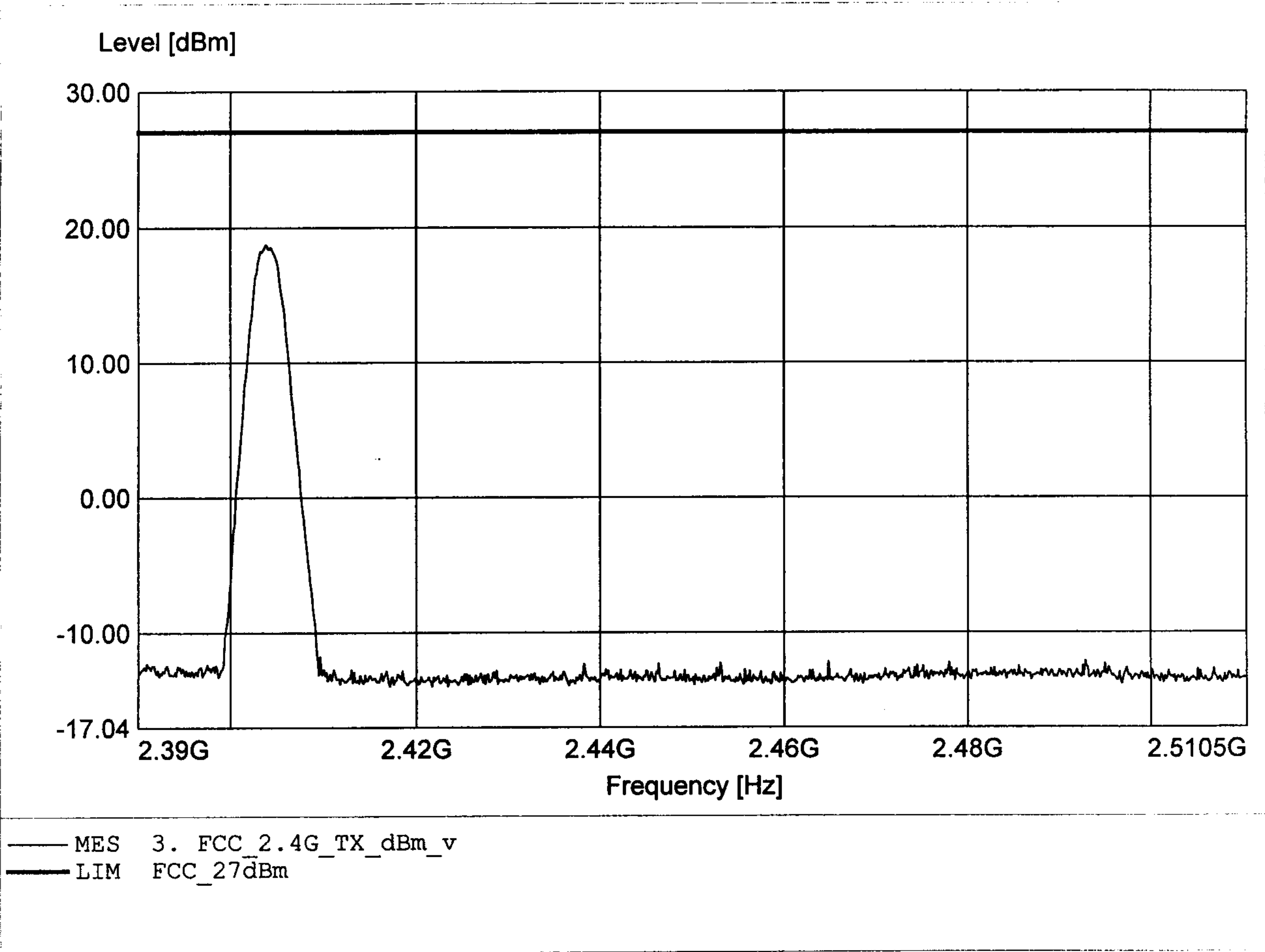
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (+15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2480,50MHz Pmax:13,99dBm RBW:3MHz



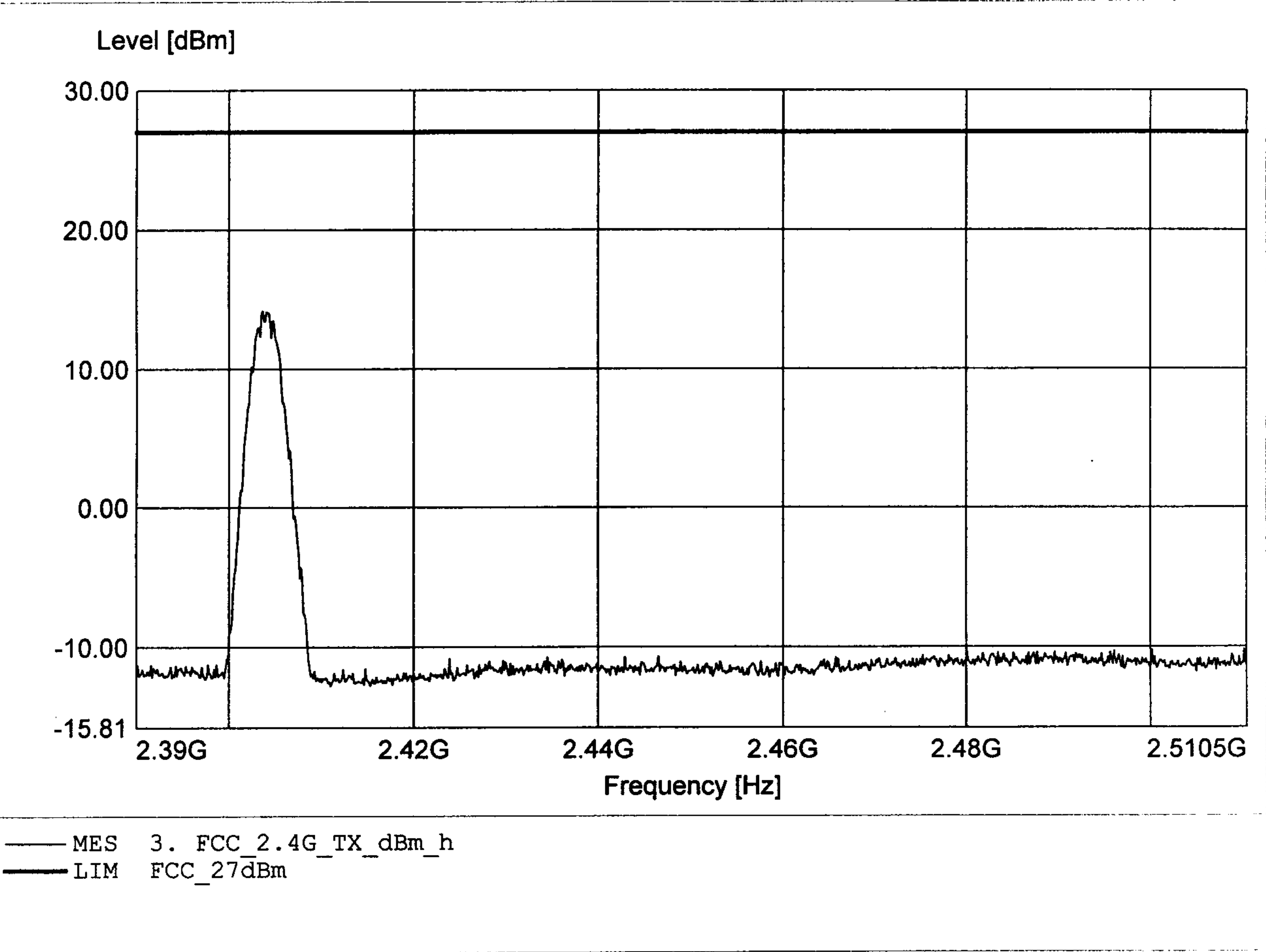
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (-15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2403,92MHz Pmax:18,74dBm RBW:3MHz



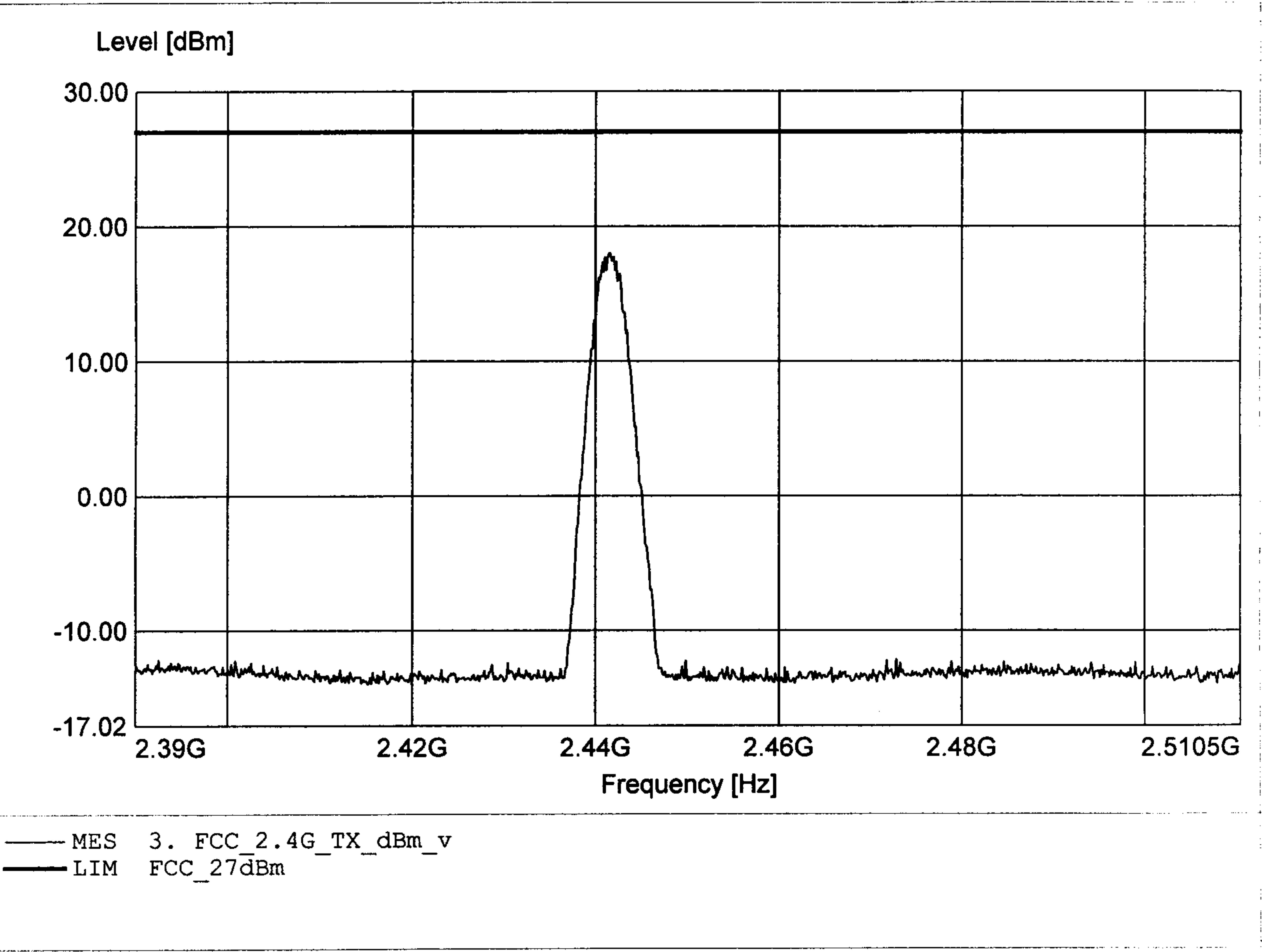
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (-15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2403,65MHz Pmax:14,20dBm RBW:3MHz



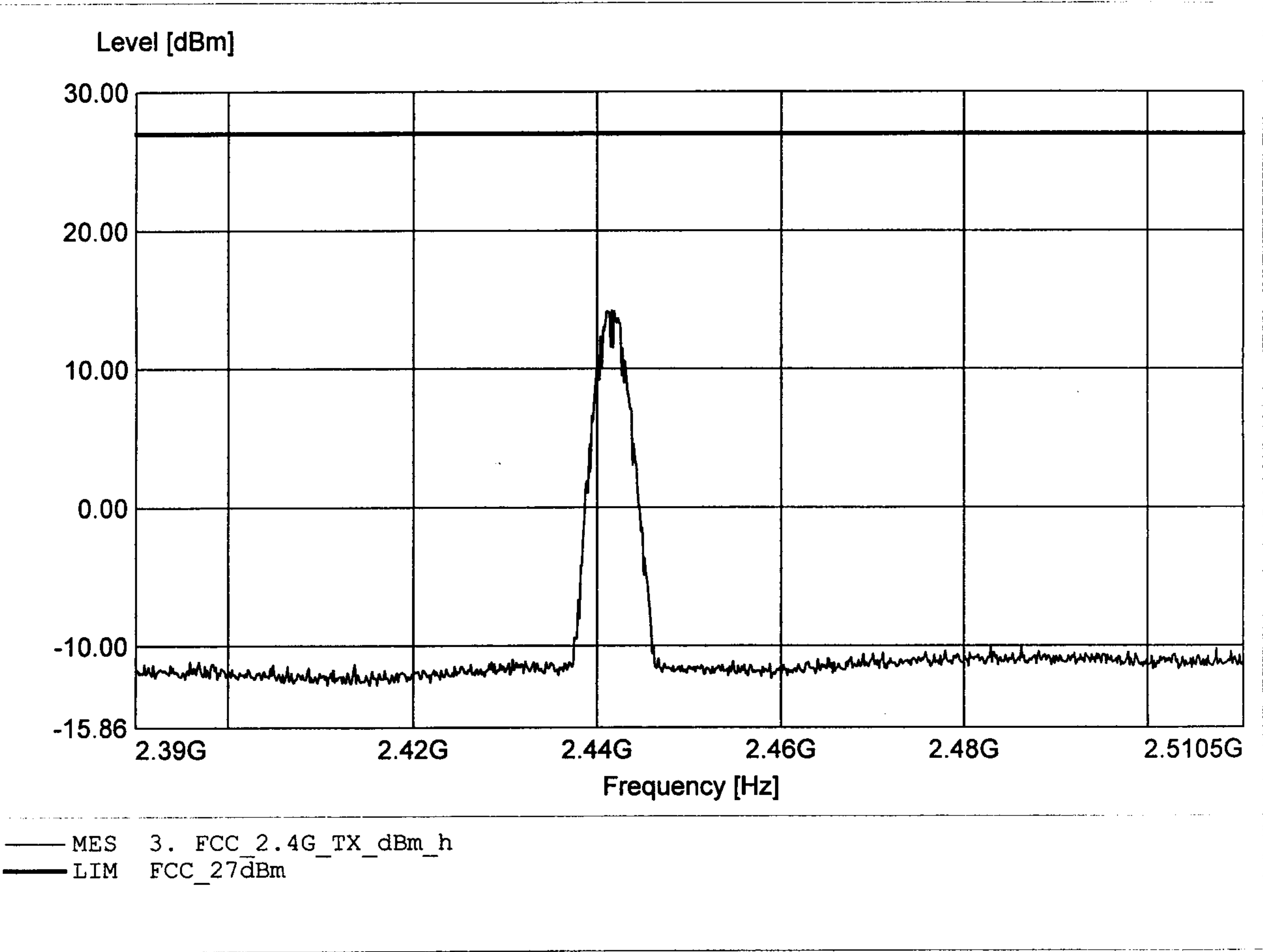
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (-15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2441,54MHz Pmax:18,01dBm RBW:3MHz



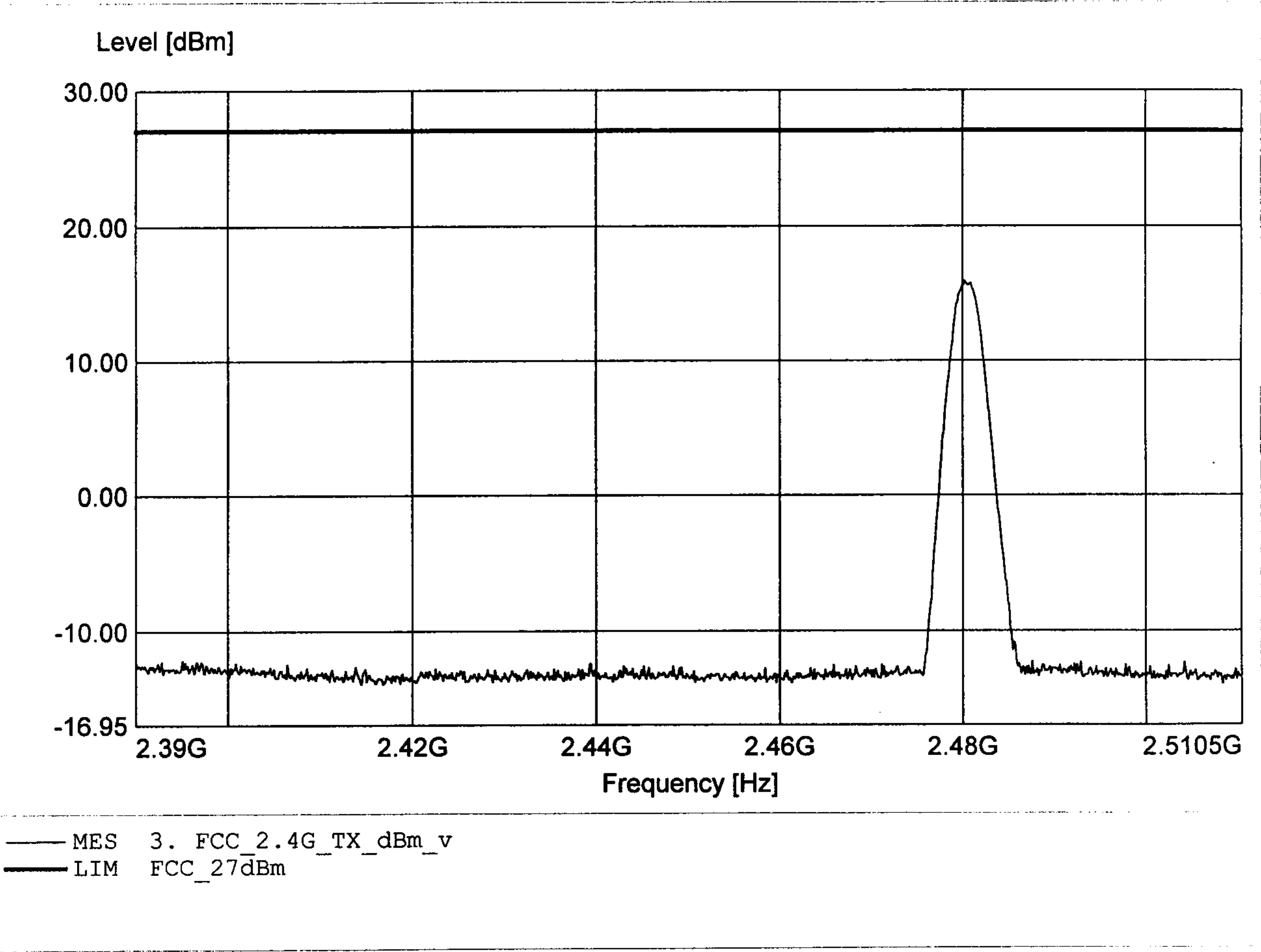
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (-15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2441,54MHz Pmax:14,24dBm RBW:3MHz



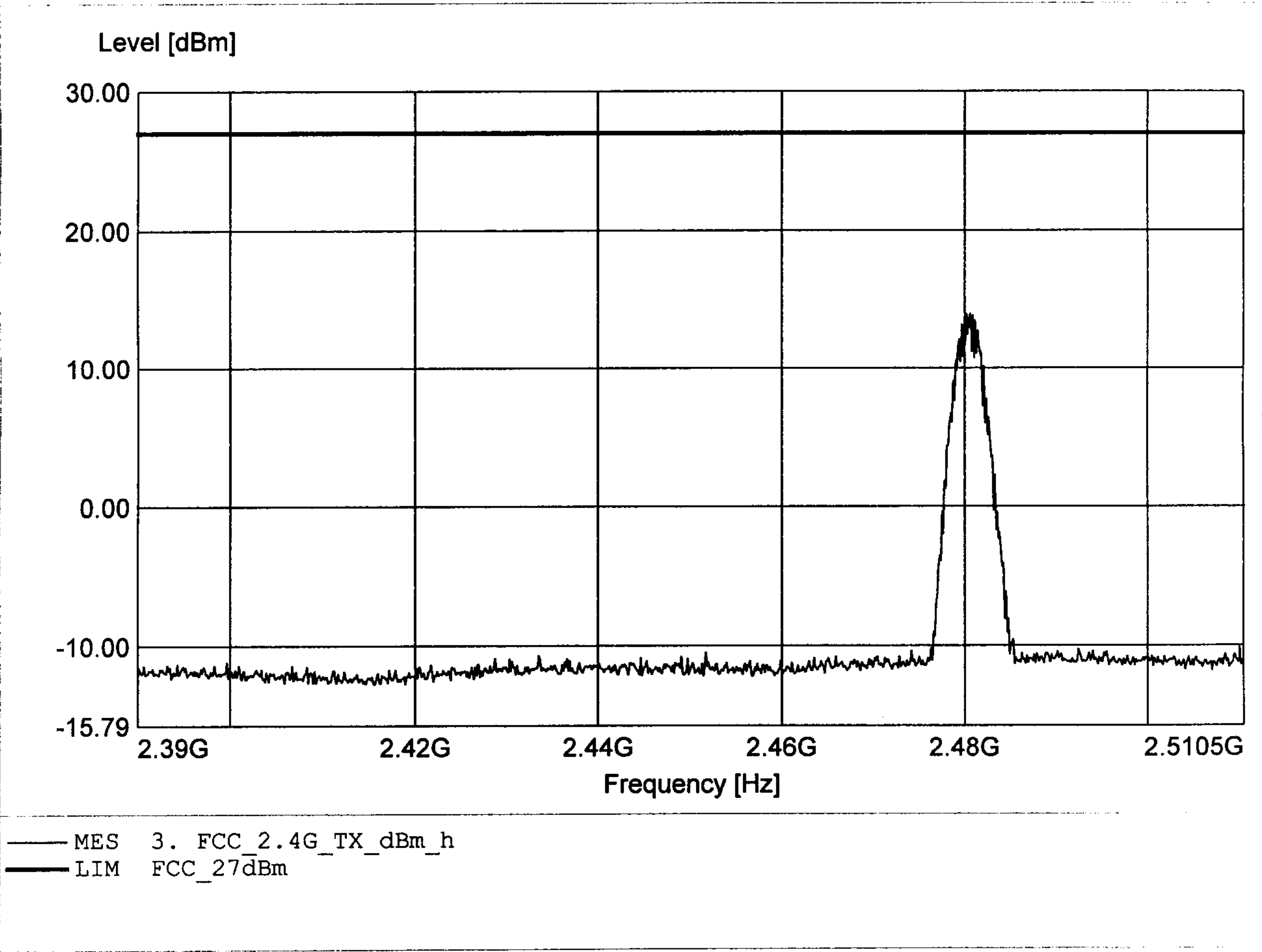
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (-15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2480,24MHz Pmax:15,95dBm RBW:3MHz



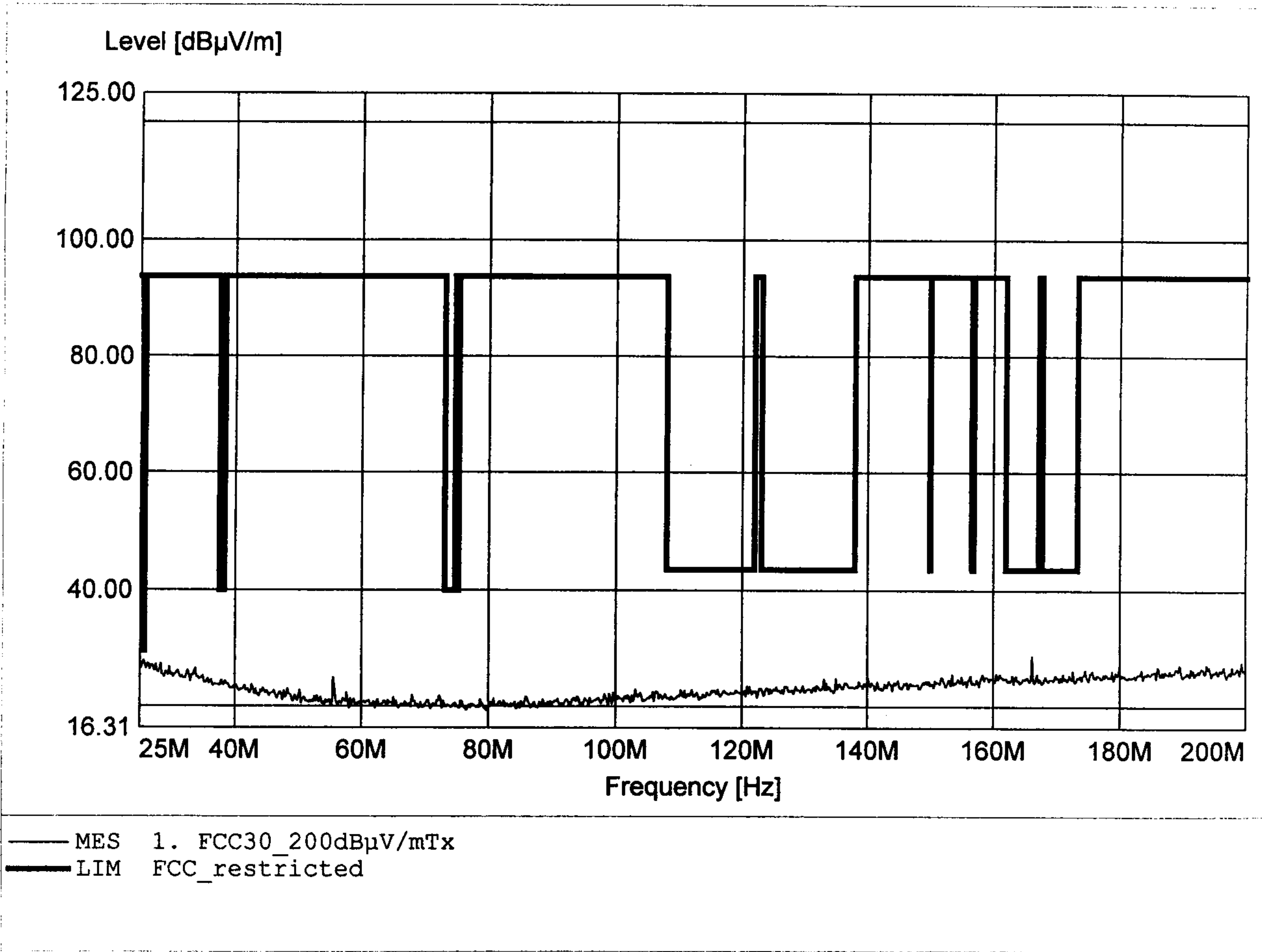
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V (-15%) AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq:2480,64MHz Pmax:13,97dBm RBW:3MHz



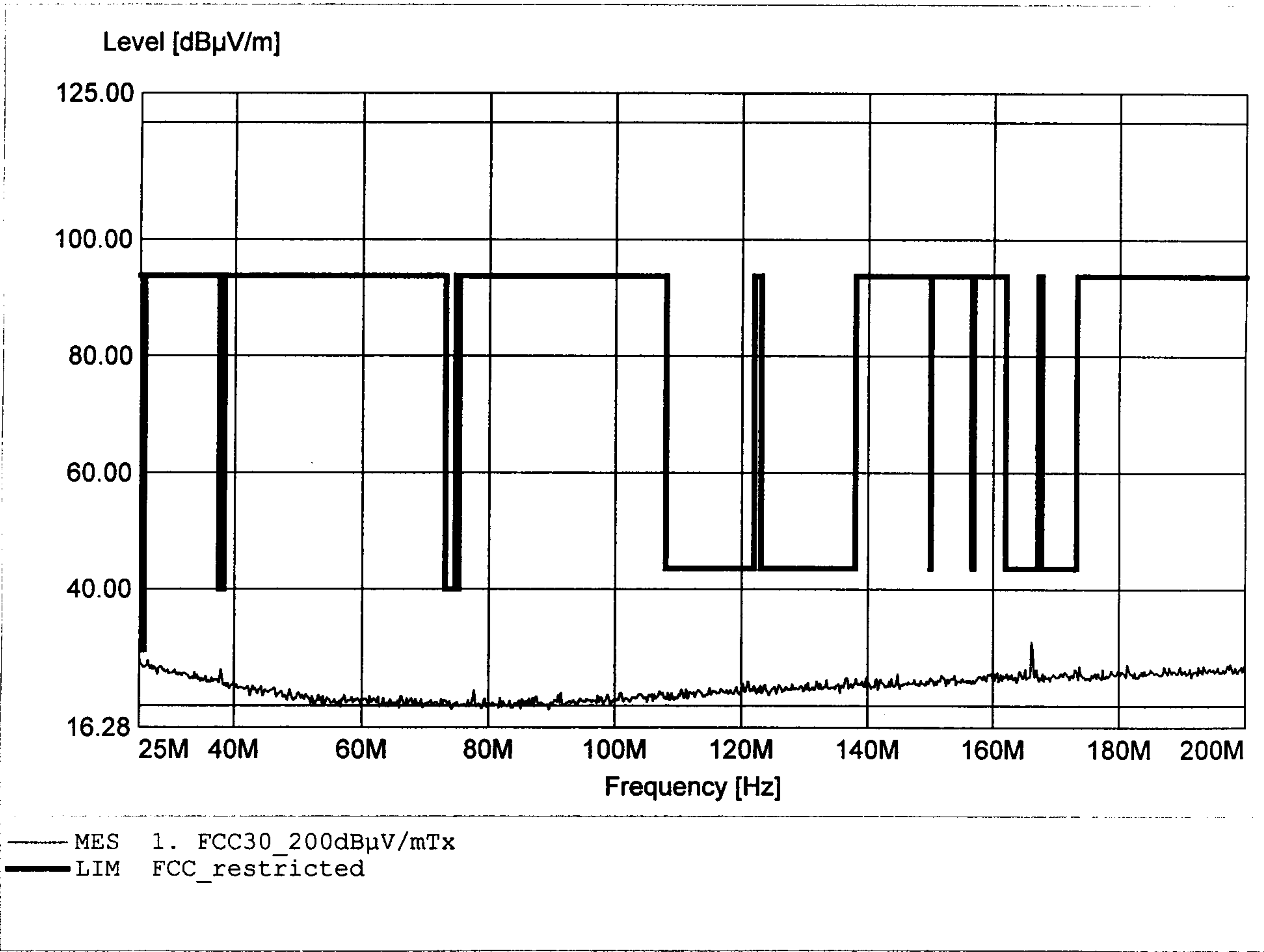
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:166,16MHz Emax:28,91dBµV/m RBW:100KHz



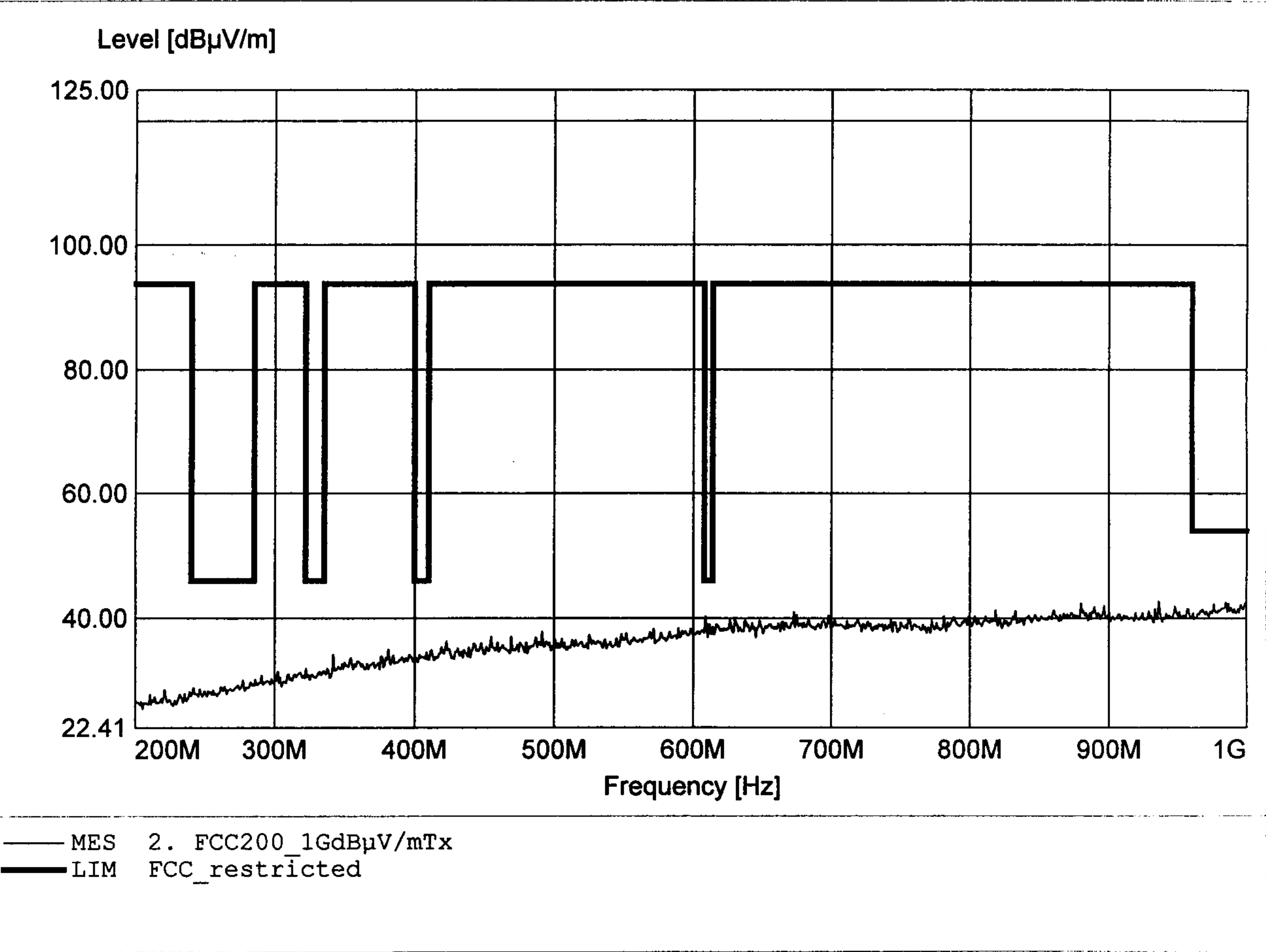
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:166,02MHz Emax:31,2dBµV/m RBW:100KHz



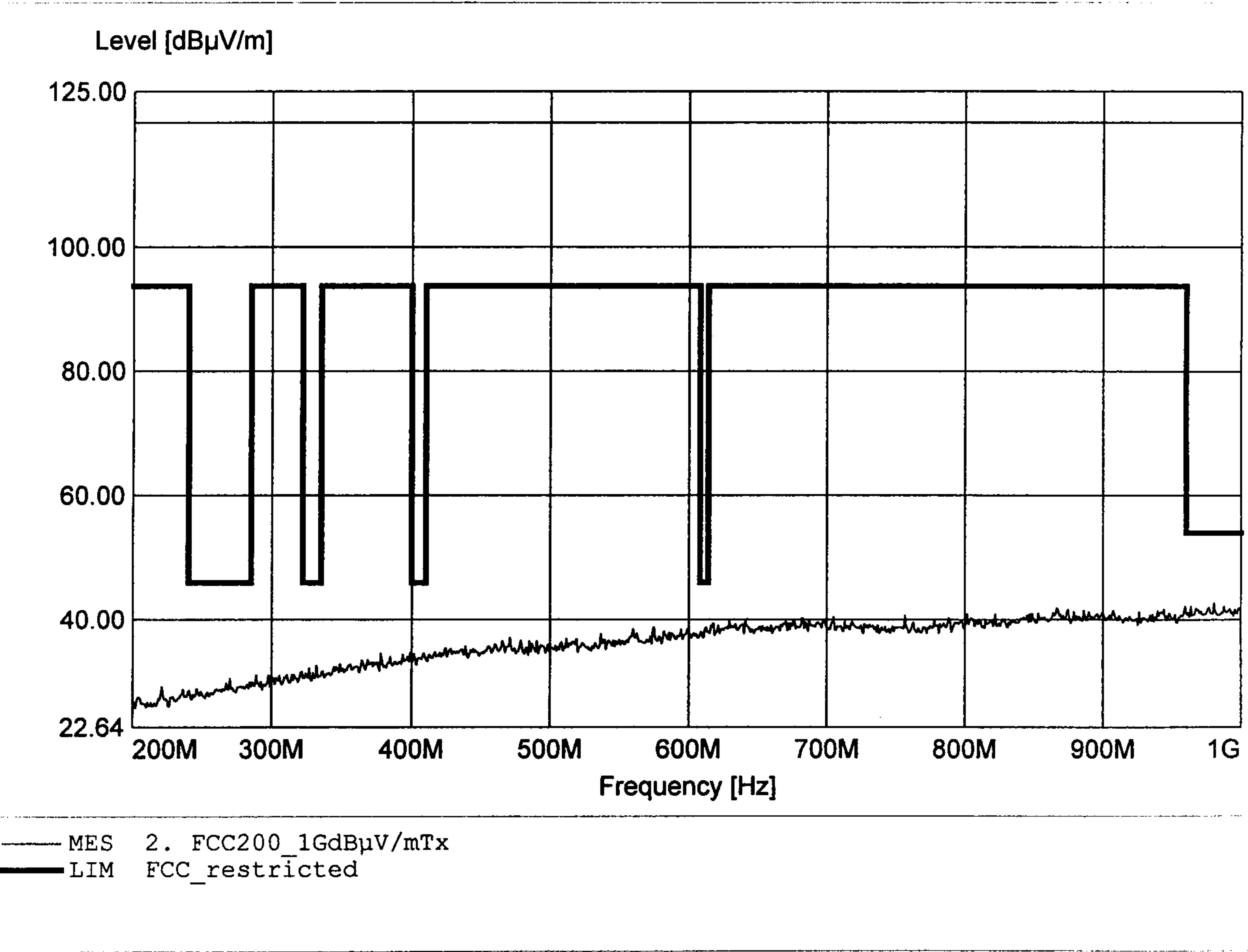
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq:935,99MHz Emax:42,83dBµV/m RBW:100KHz



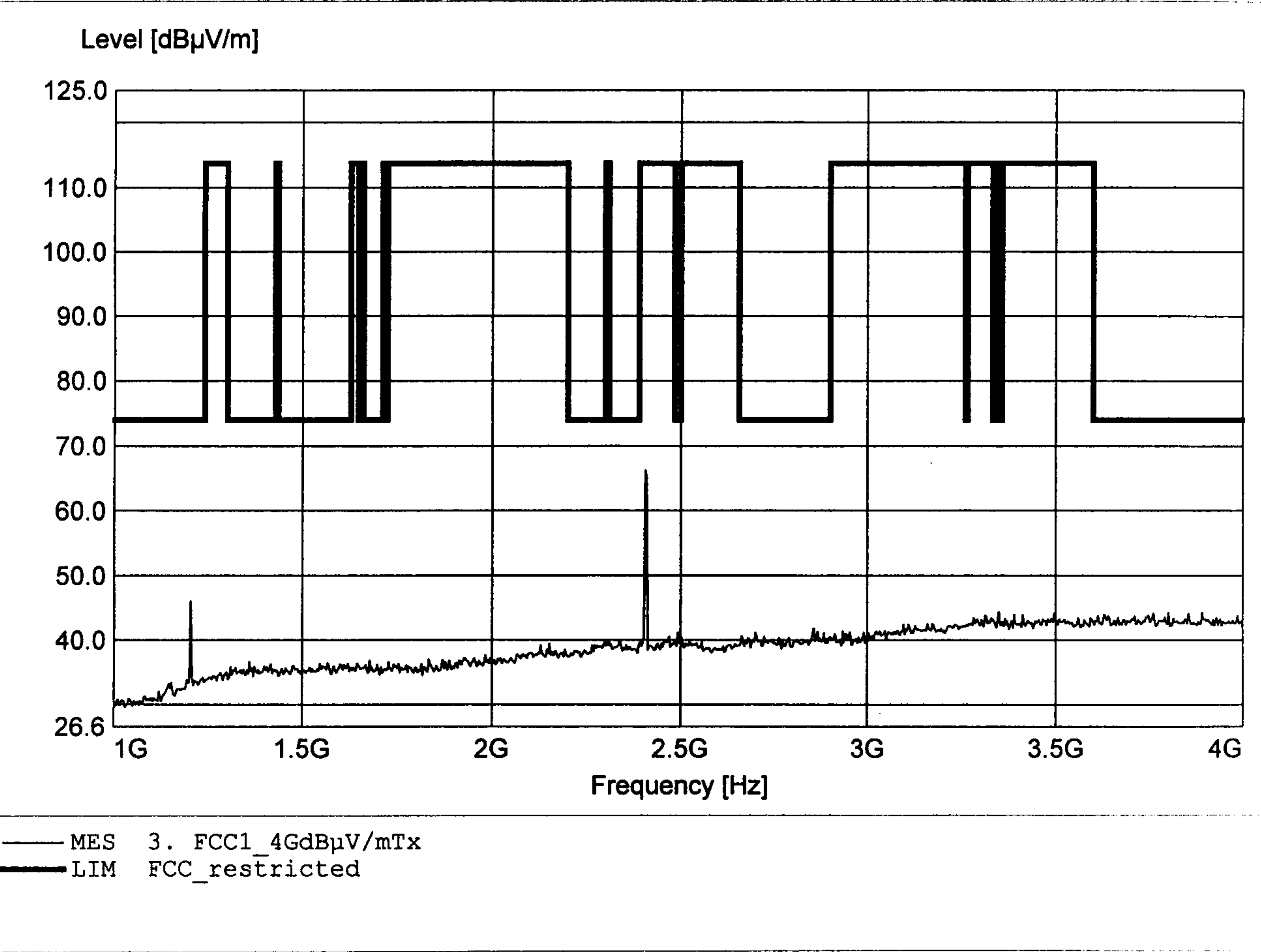
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq:980,44MHz Emax:42,80dBµV/m RBW:100KHz



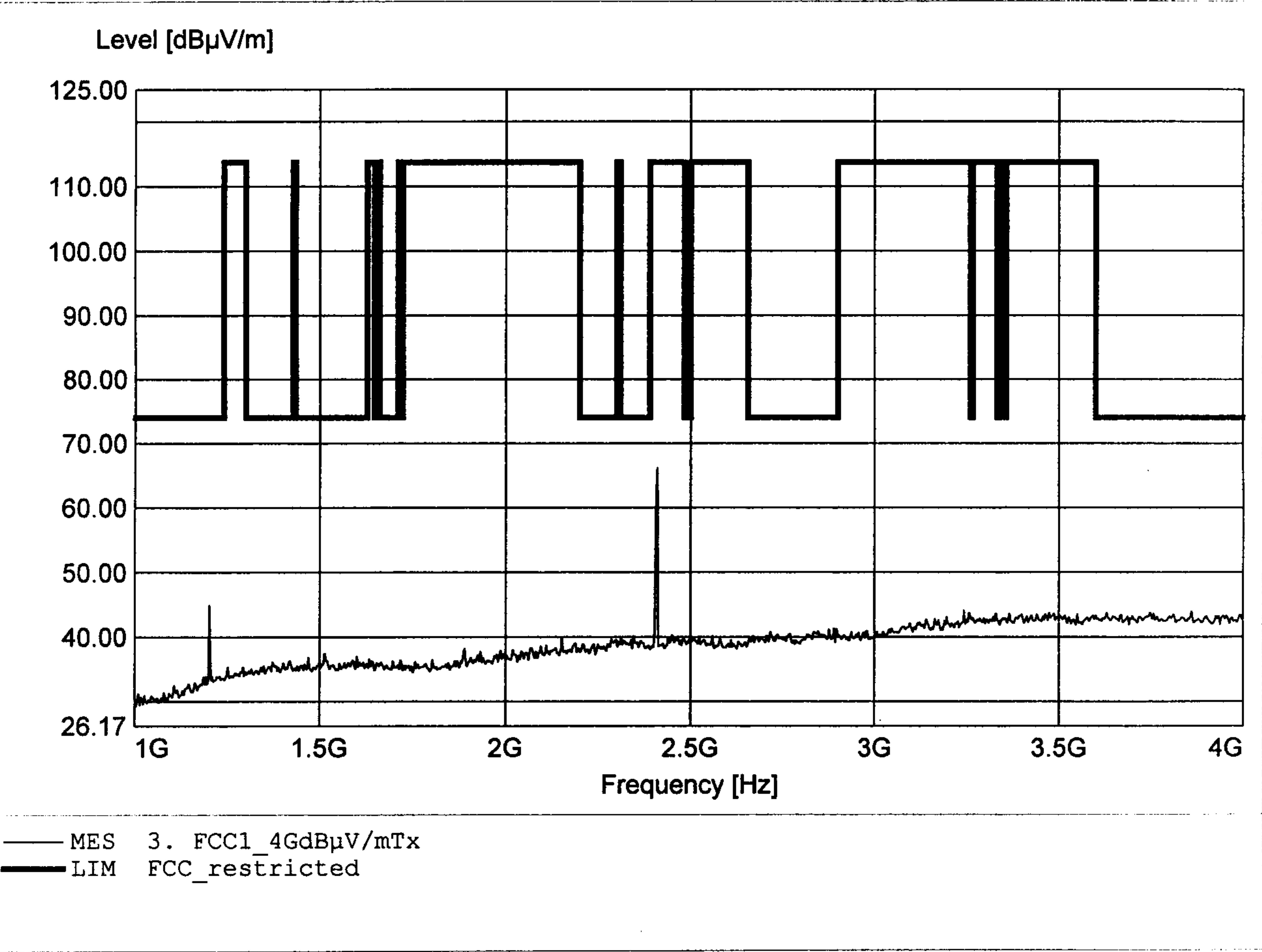
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz
Comment 2: Freq:2406,66MHz Emax:66,27dBµV/m RBW:1MHz



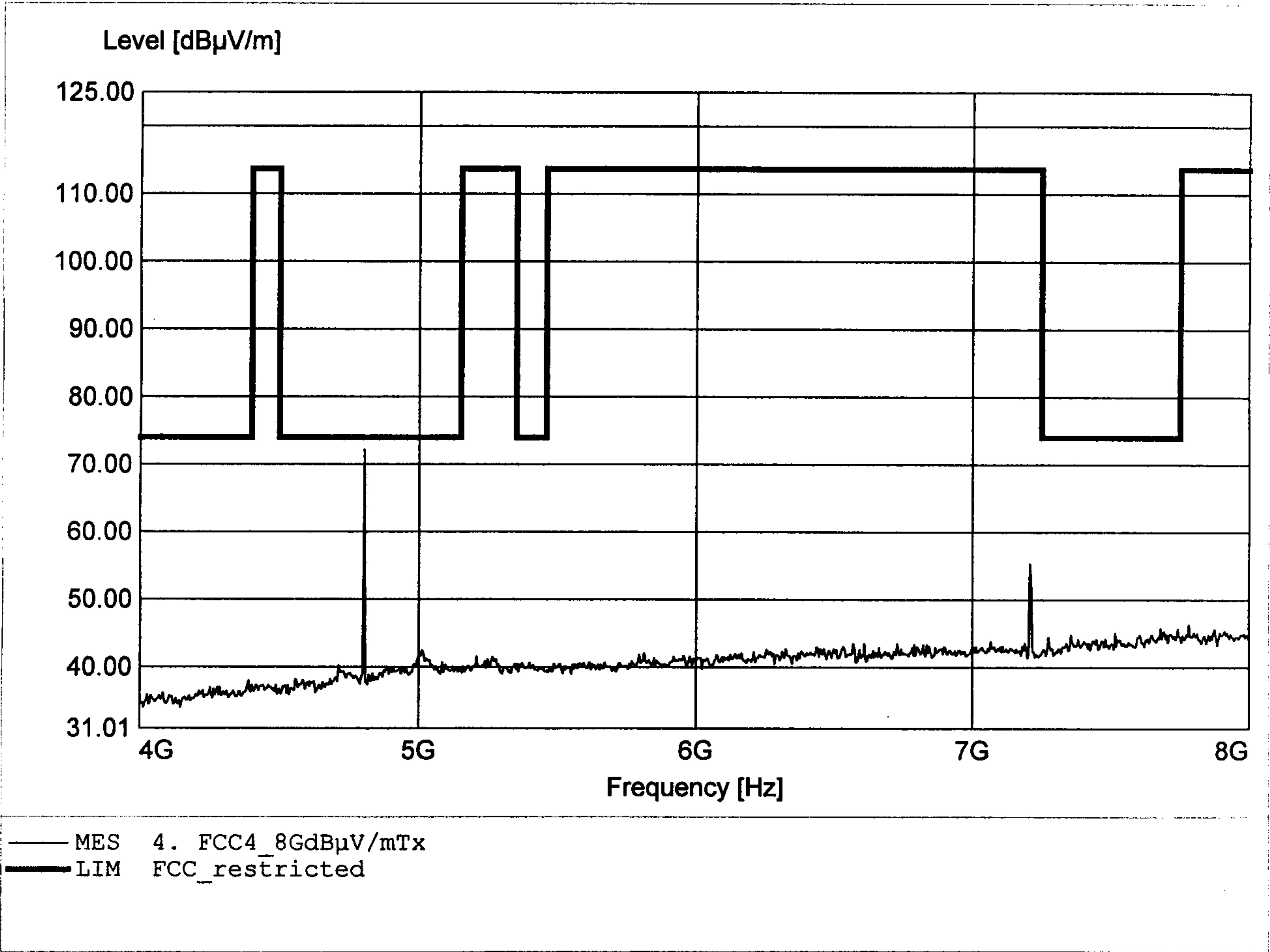
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz
Comment 2: Freq:2409,99MHz Emax:66,25dBµV/m RBW:1MHz



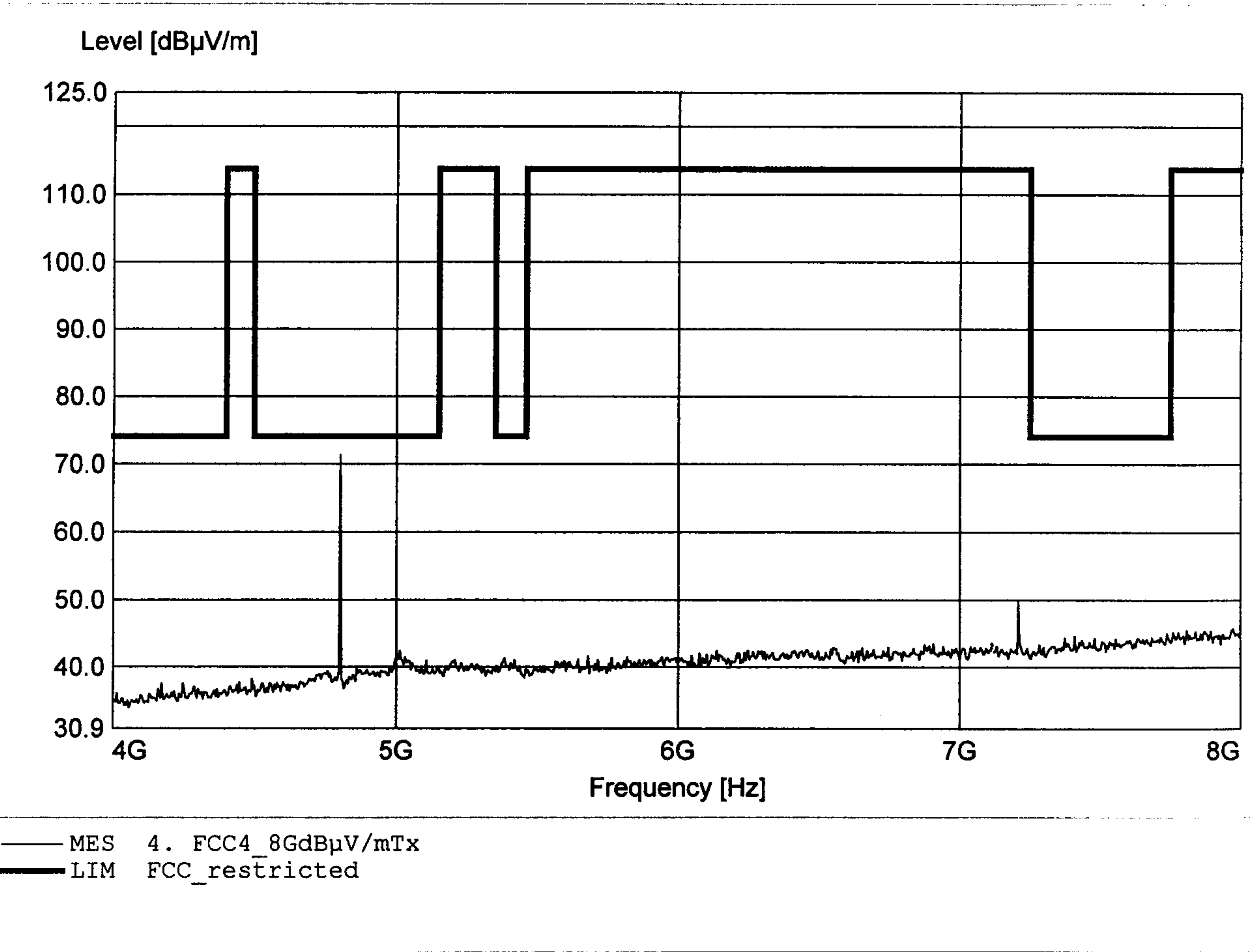
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:4-8GHz
Comment 2: Freq:4804,44MHz Emax:72,29dBµV/m RBW:1MHz



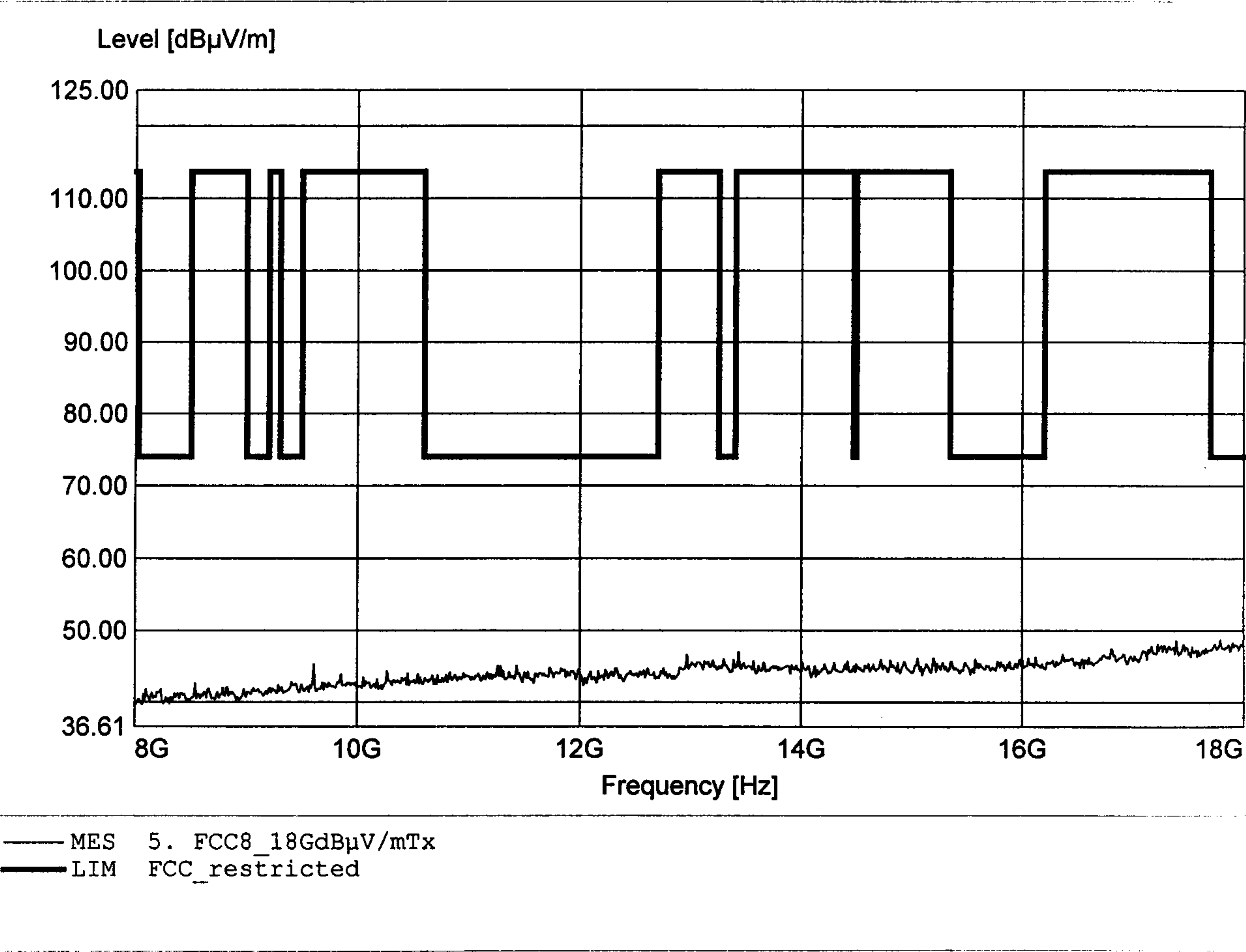
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:4-8GHz
Comment 2: Freq:4804,44MHz Emax:71,43dBµV/m RBW:1MHz



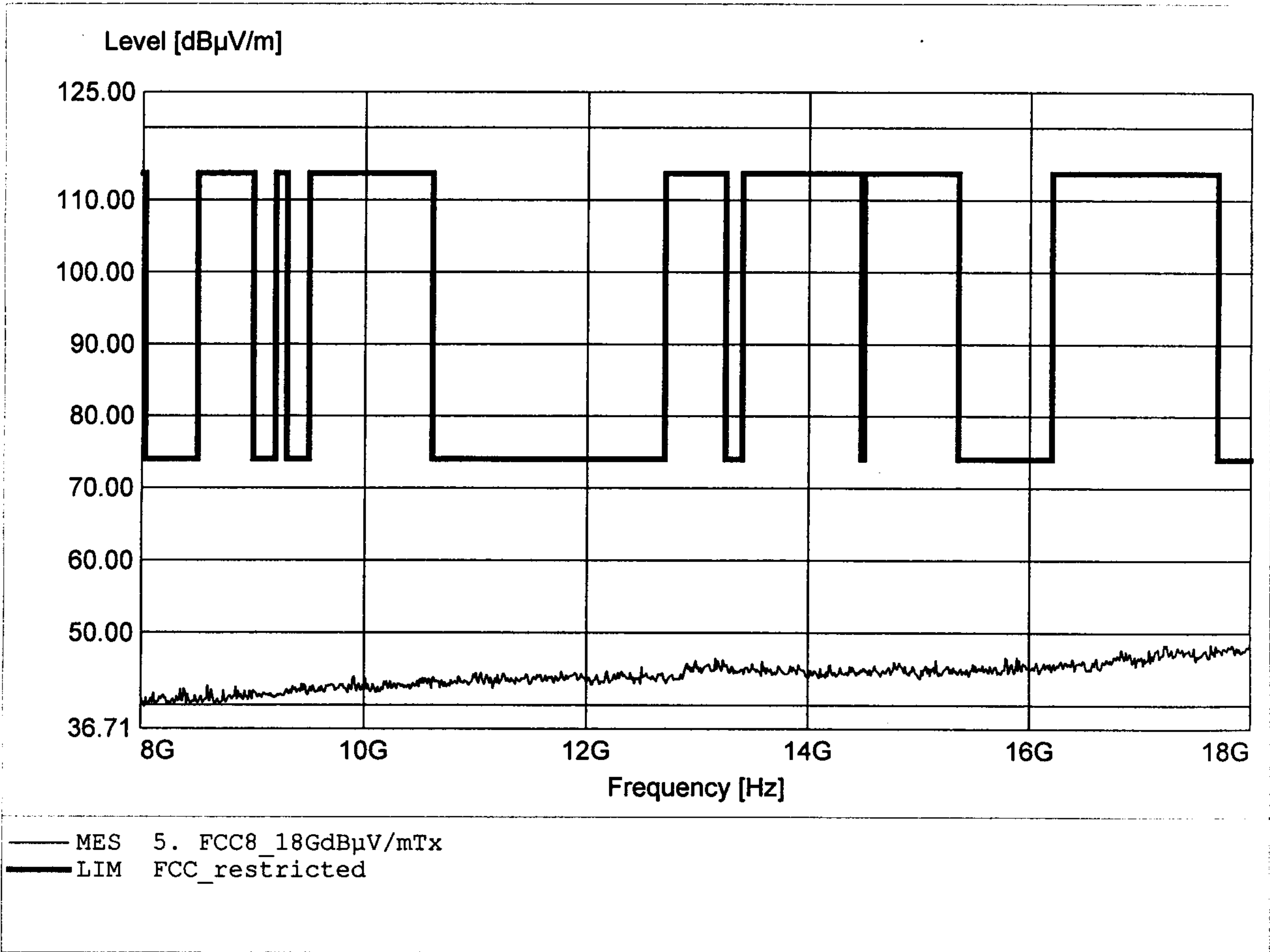
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:8-18GHz
Comment 2: Freq:17788,88MHz Emax:48,76dBµV/m RBW:1MHz



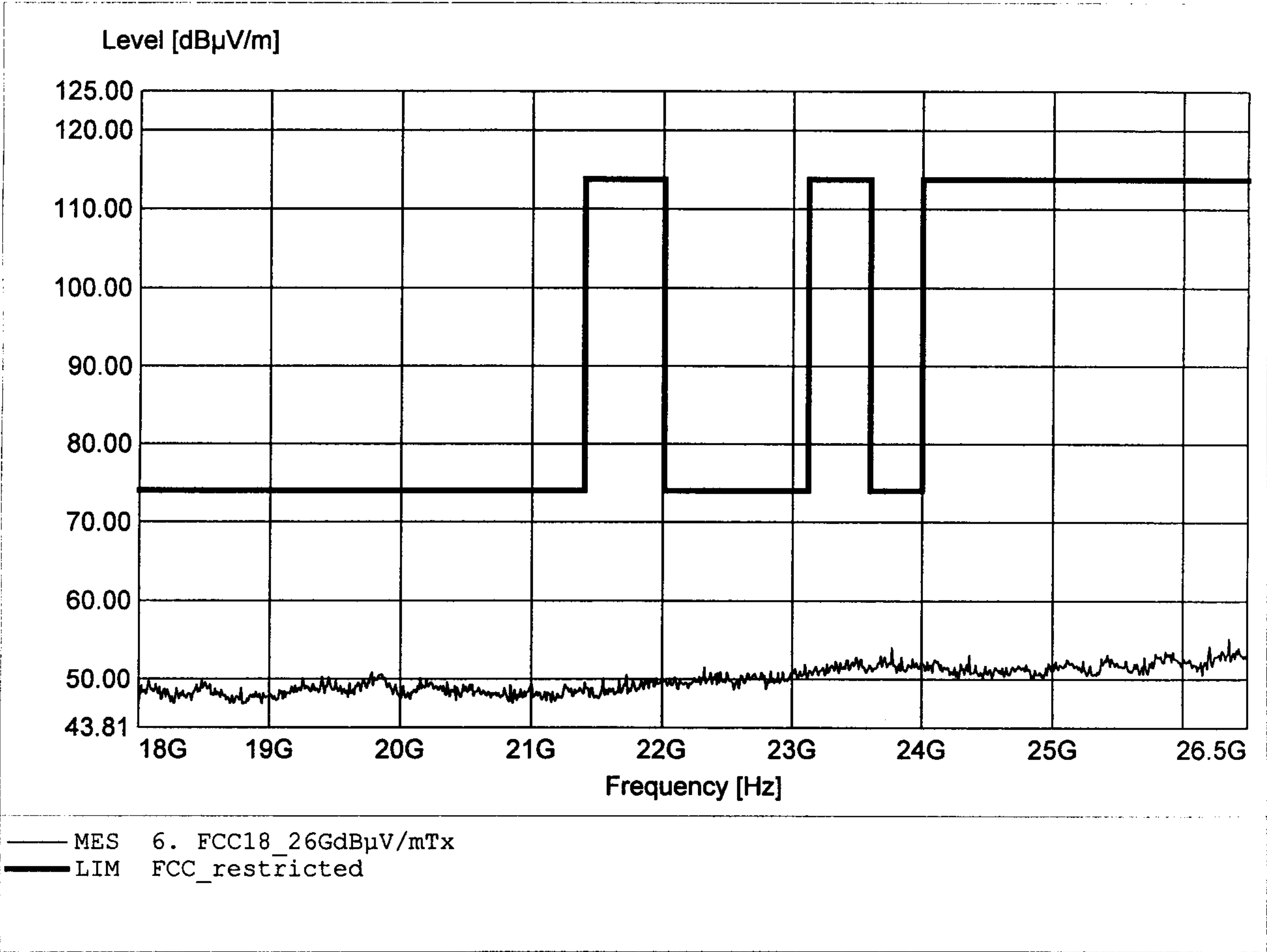
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:8-18GHz
Comment 2: Freq:17644,44MHz Emax:48,51dBµV/m RBW:1MHz



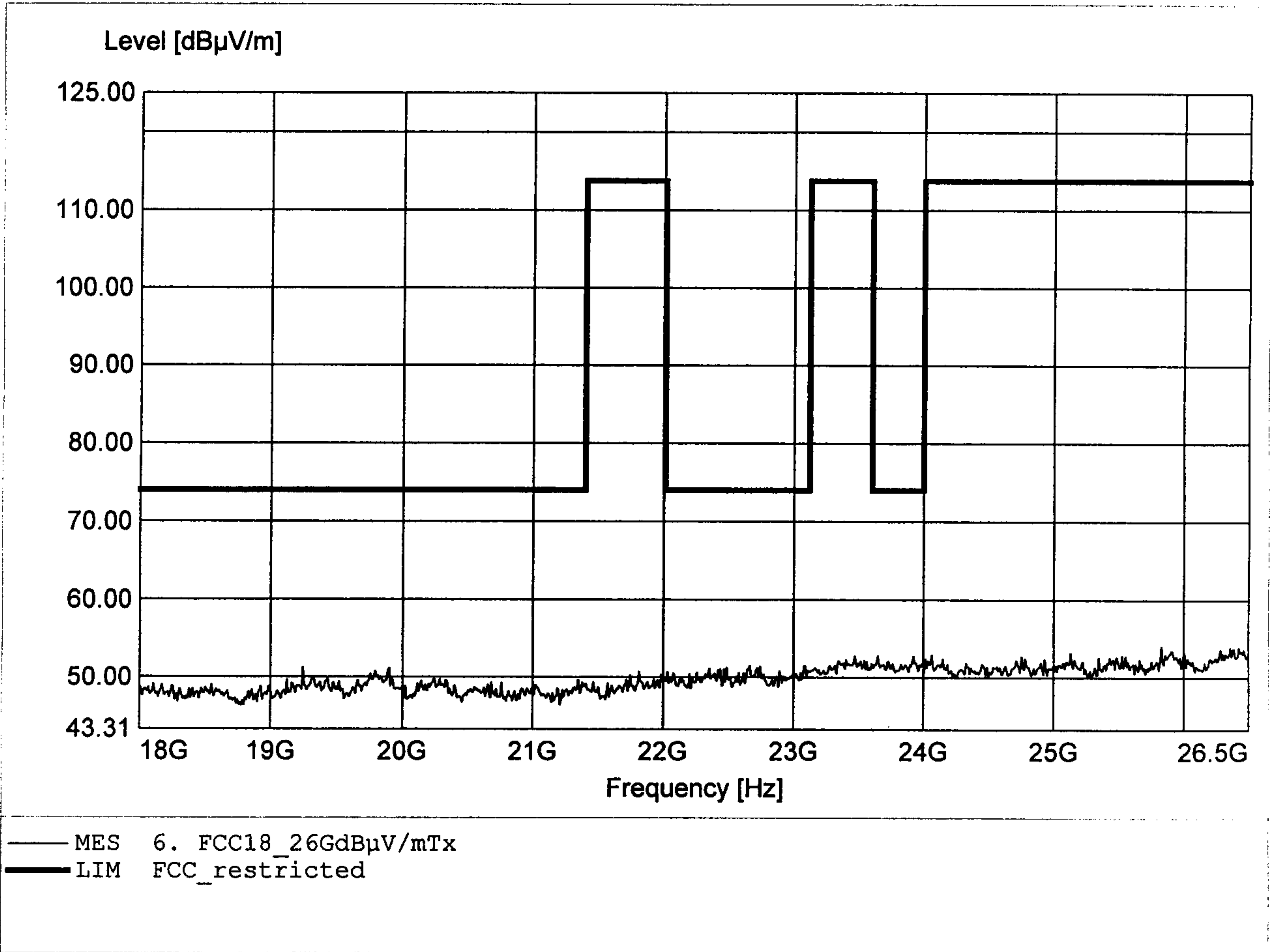
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:18-26GHz
Comment 2: Freq:26358,33MHz Emax:55,27dBµV/m RBW:1MHz



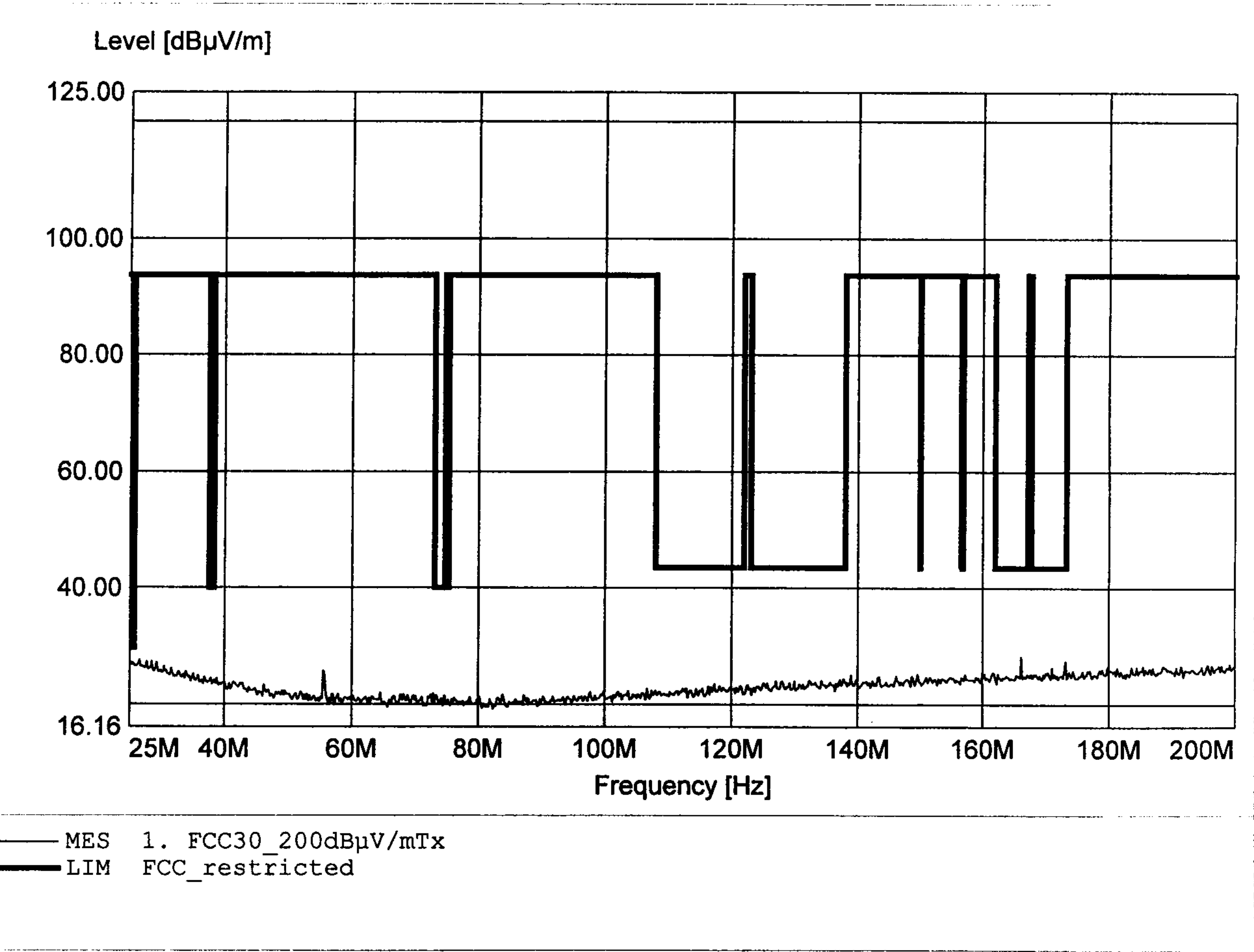
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:0 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:18-26GHz
Comment 2: Freq:25829,44MHz Emax:54,17dBµV/m RBW:1MHz



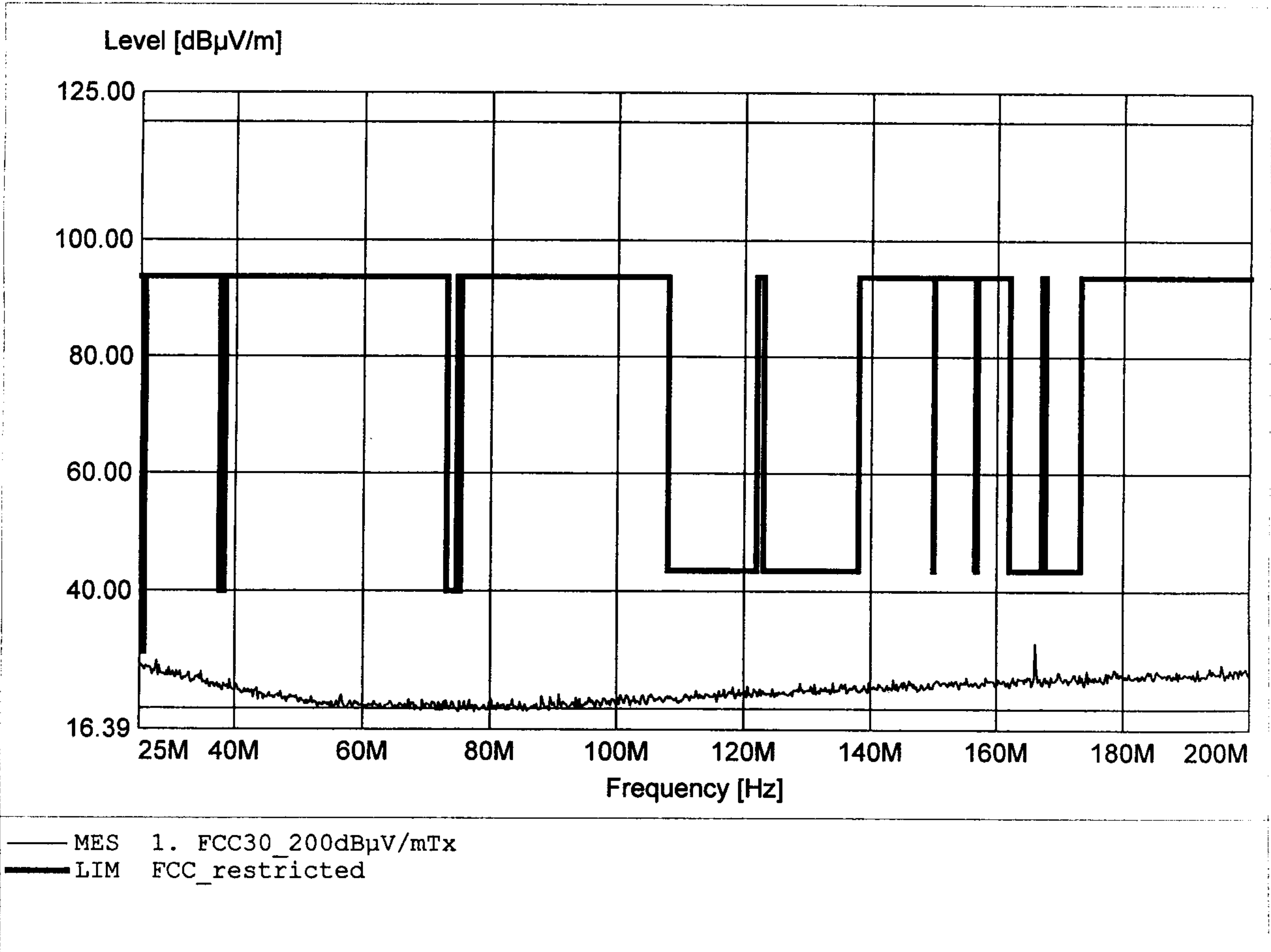
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:166,16MHz Emax:28,38dBµV/m RBW:100KHz



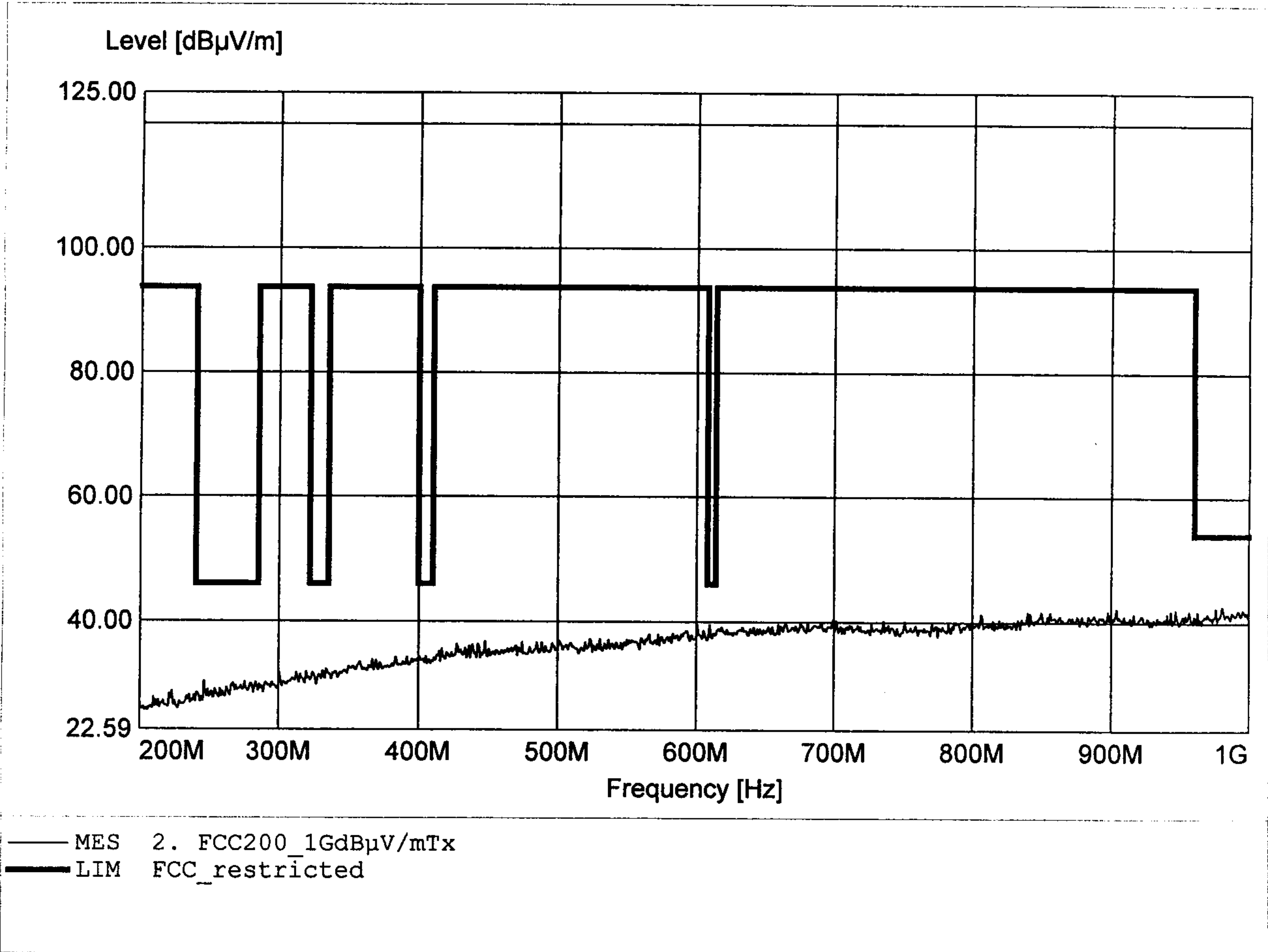
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:166,16MHz Emax:31,28dBµV/m RBW:100KHz



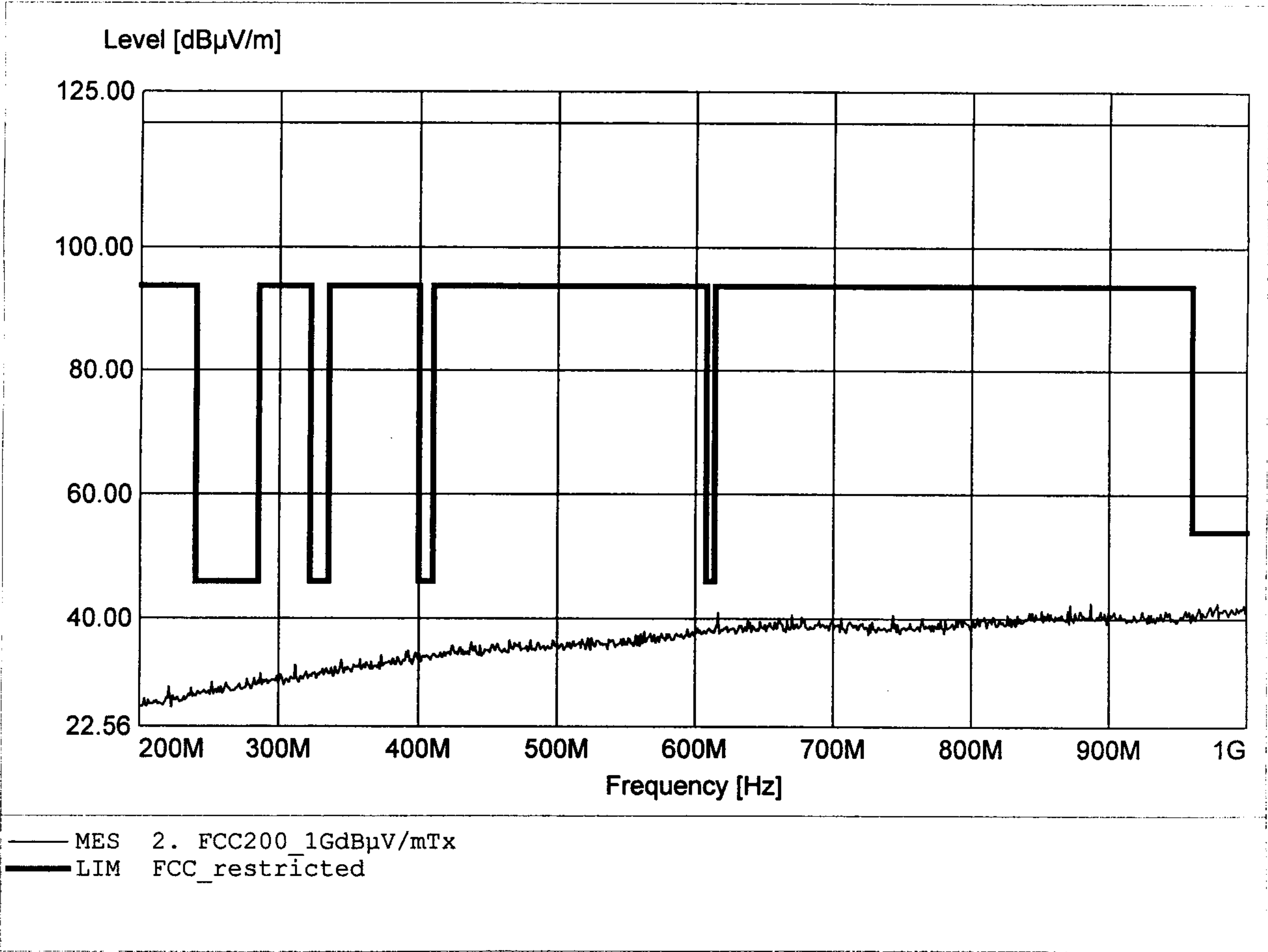
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq:980,44MHz Emax:42,67dBµV/m RBW:100KHz



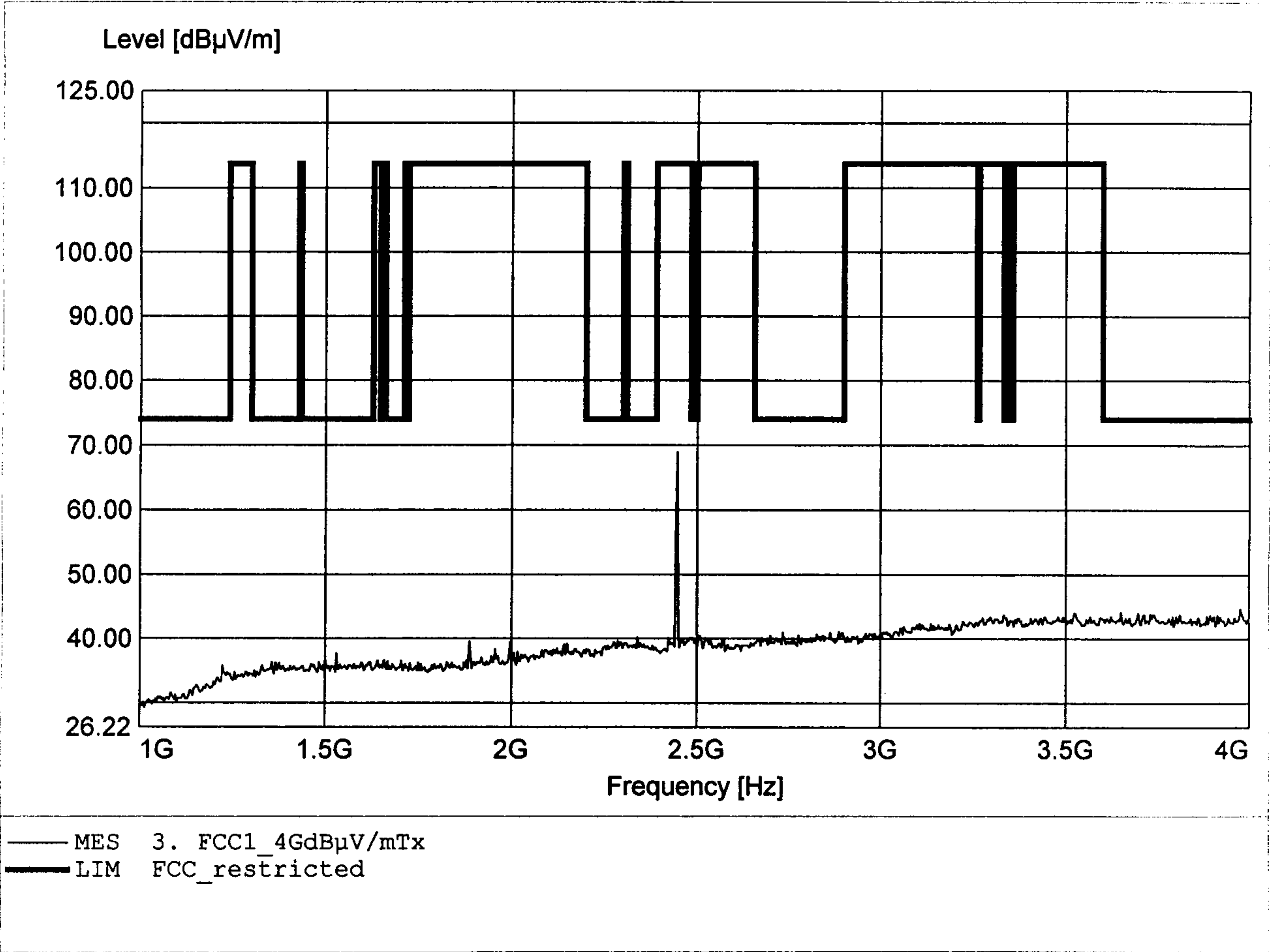
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq:887,11MHz Emax:42,64dBµV/m RBW:100KHz



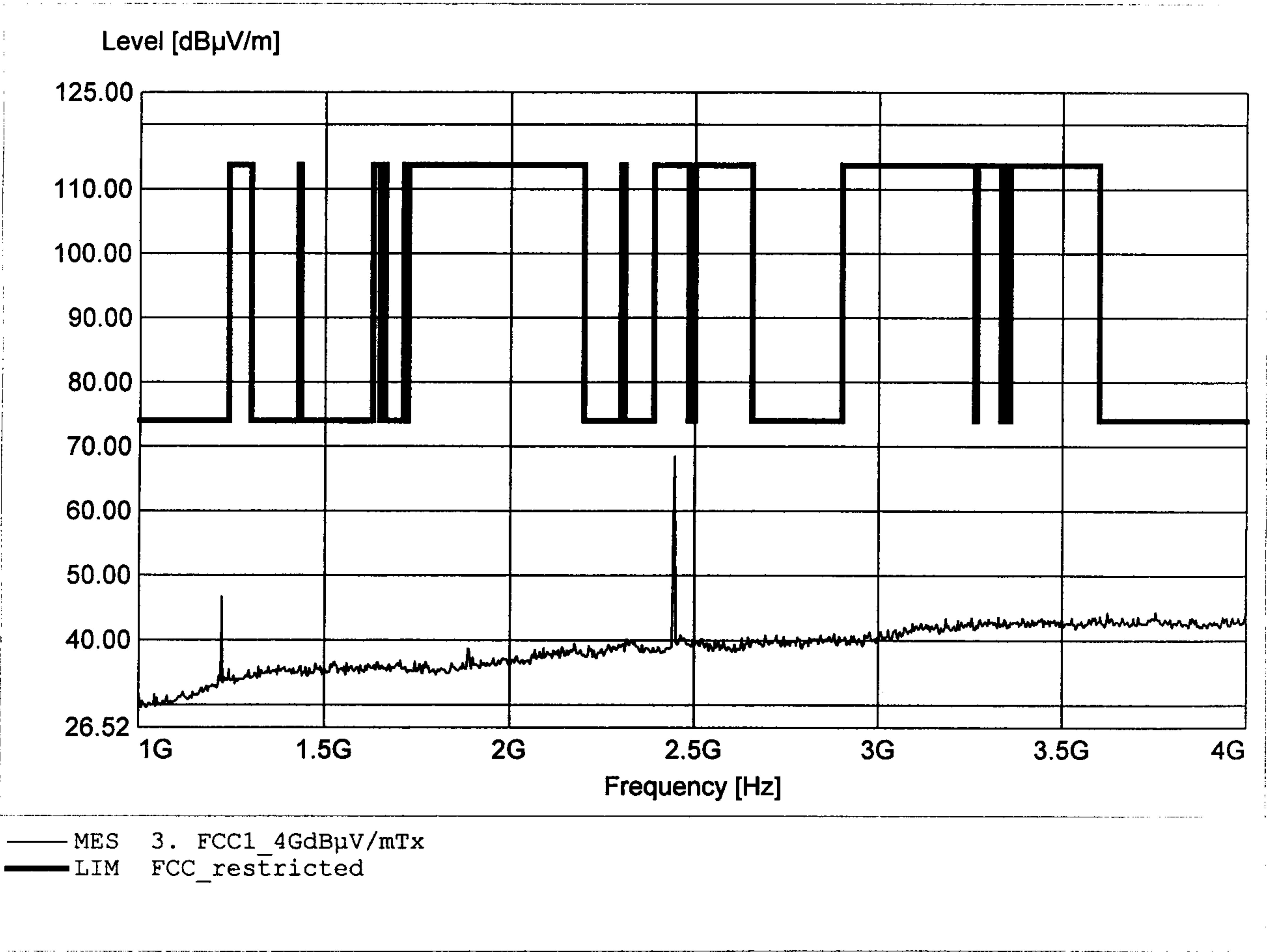
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz
Comment 2: Freq:2446,04MHz Emax:69,4dBµV/m RBW:1MHz



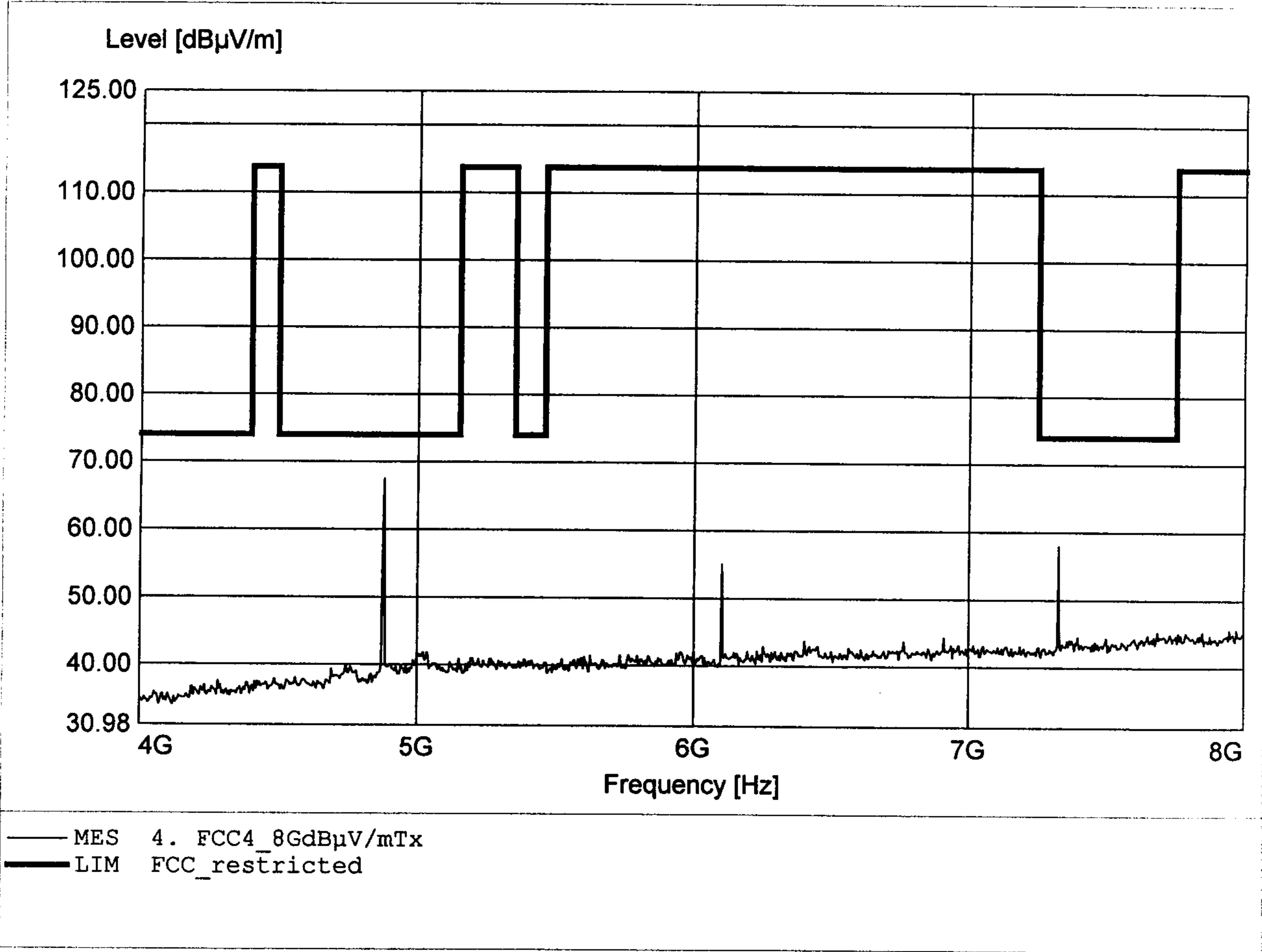
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz
Comment 2: Freq:2446,66MHz Emax:68,55dBµV/m RBW:1MHz



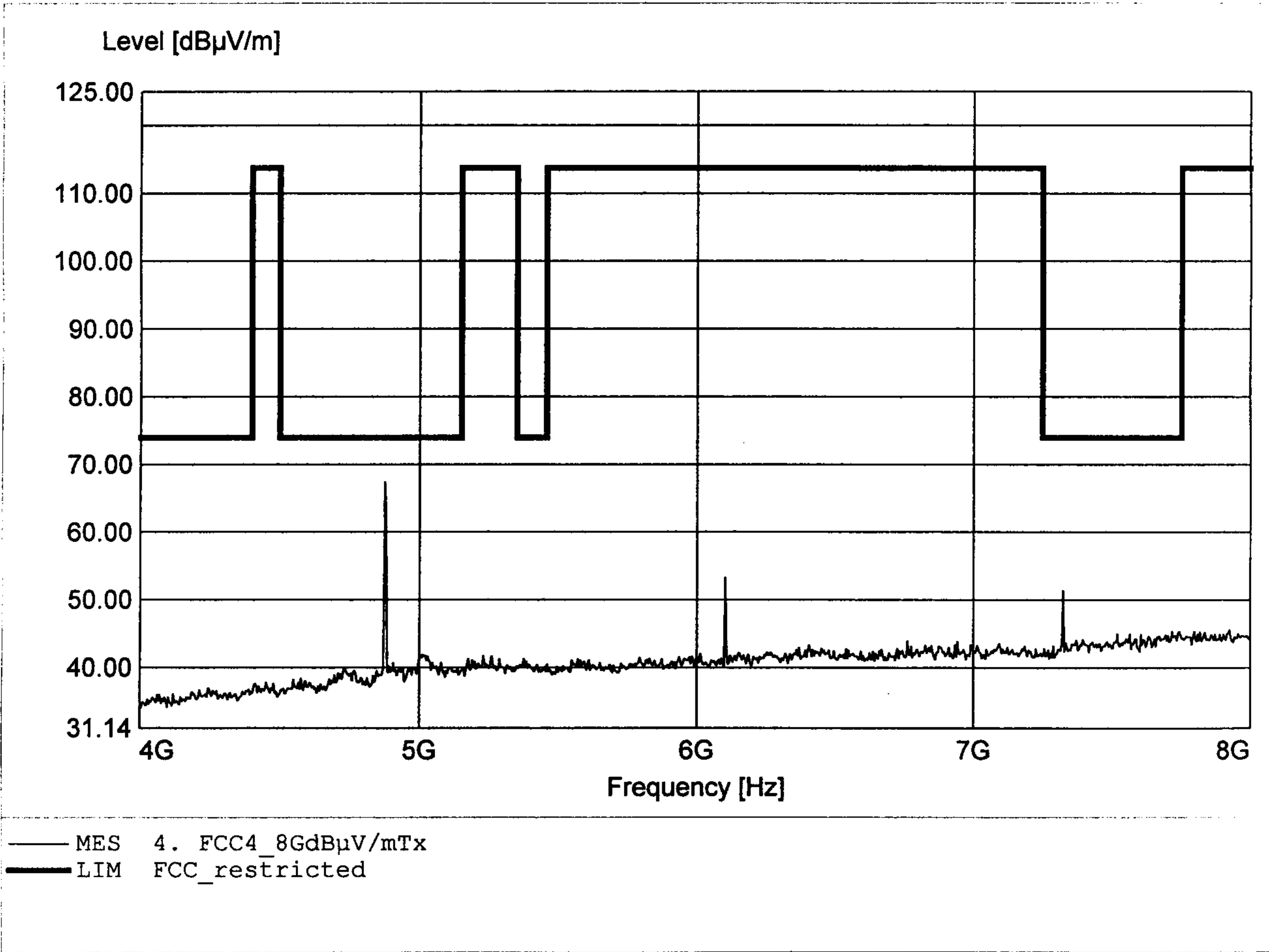
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:4-8GHz
Comment 2: Freq:4880,00MHz Emax:67,56dBµV/m RBW:1MHz



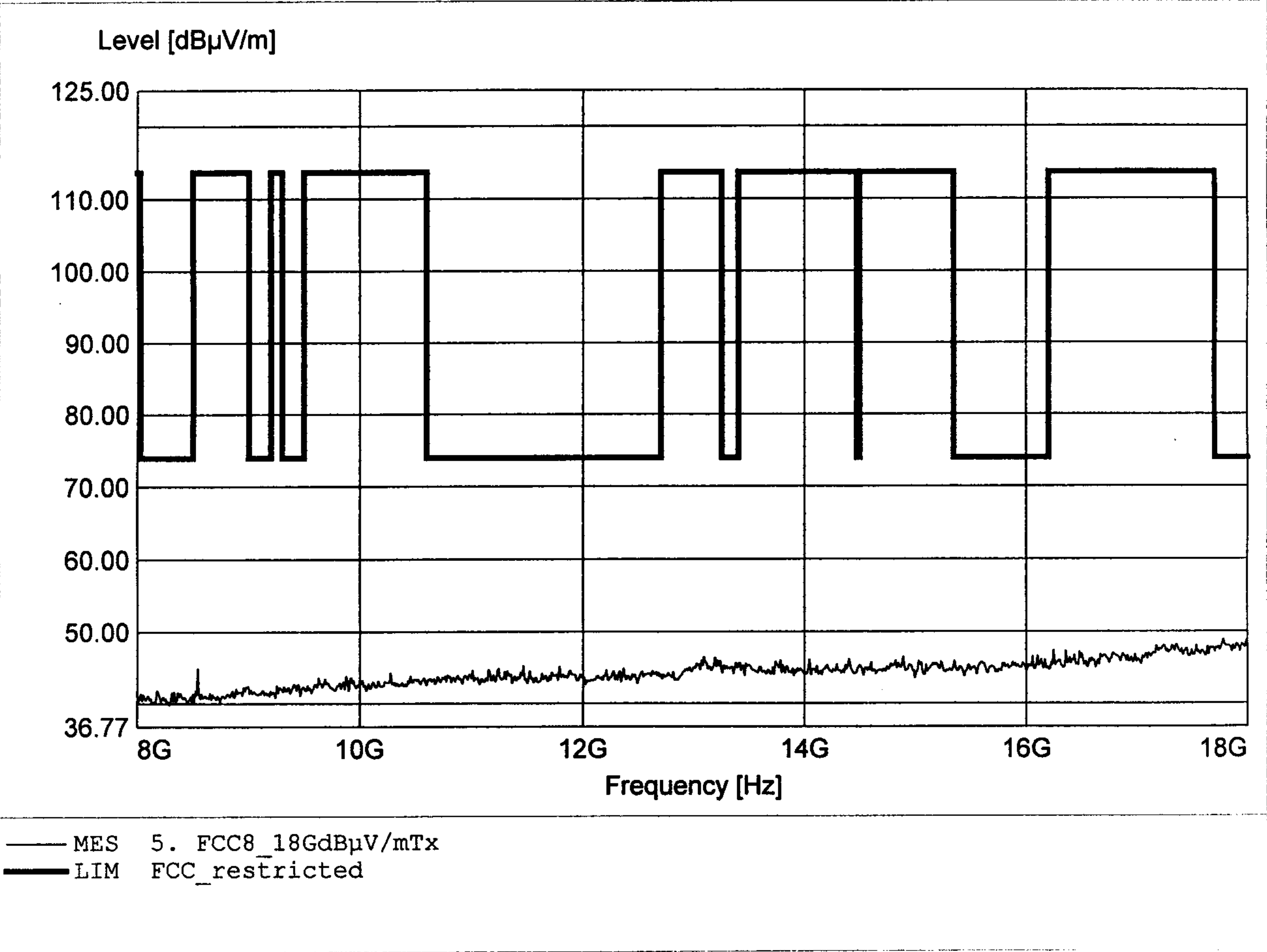
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:4-8GHz
Comment 2: Freq:4875,55MHz Emax:67,47dBµV/m RBW:1MHz



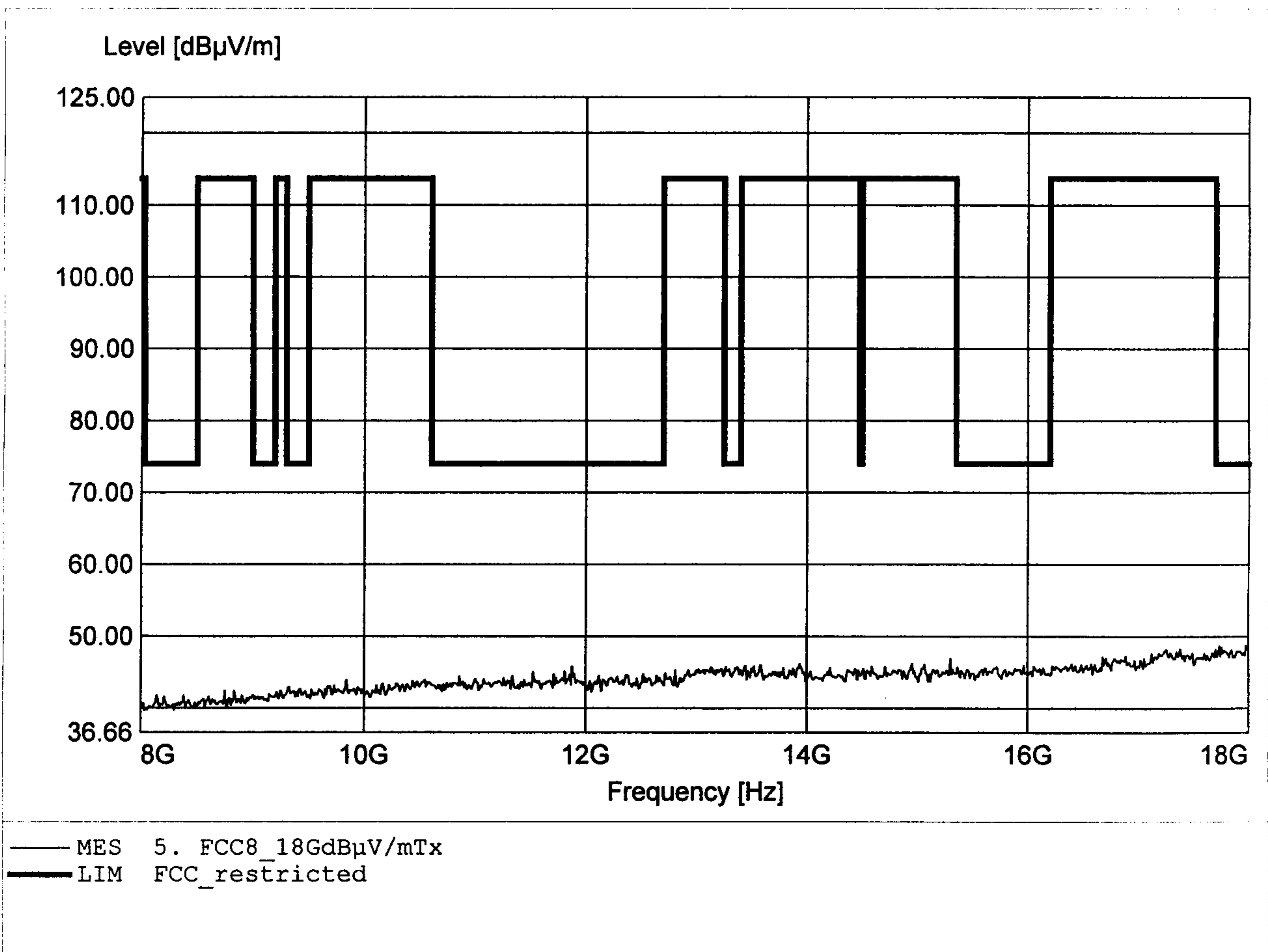
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:8-18GHz
Comment 2: Freq:17777,77MHz Emax:48,93dBµV/m RBW:1MHz



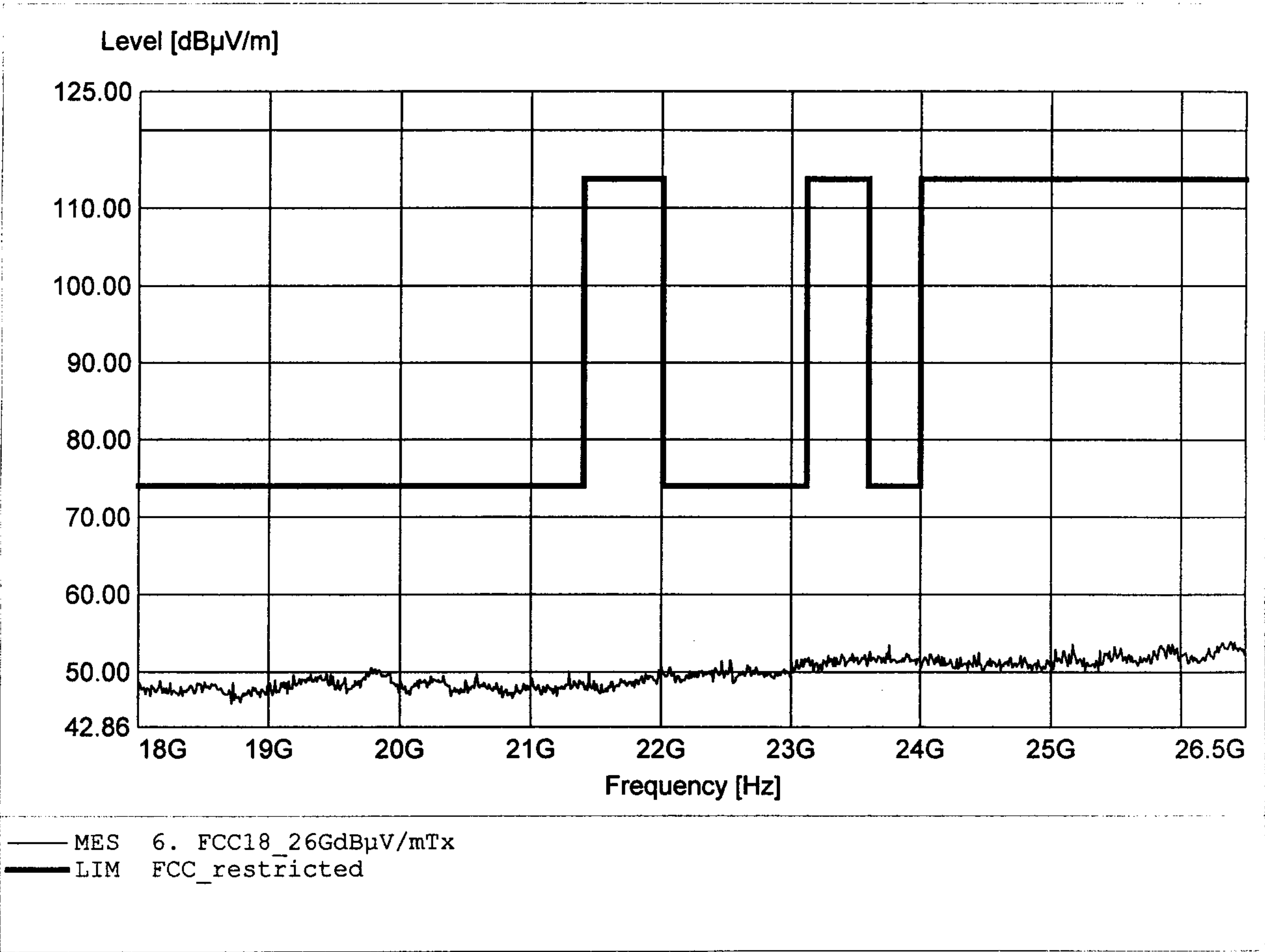
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:8-18GHz
Comment 2: Freq:17977,77MHz Emax:48,79dBµV/m RBW:1MHz



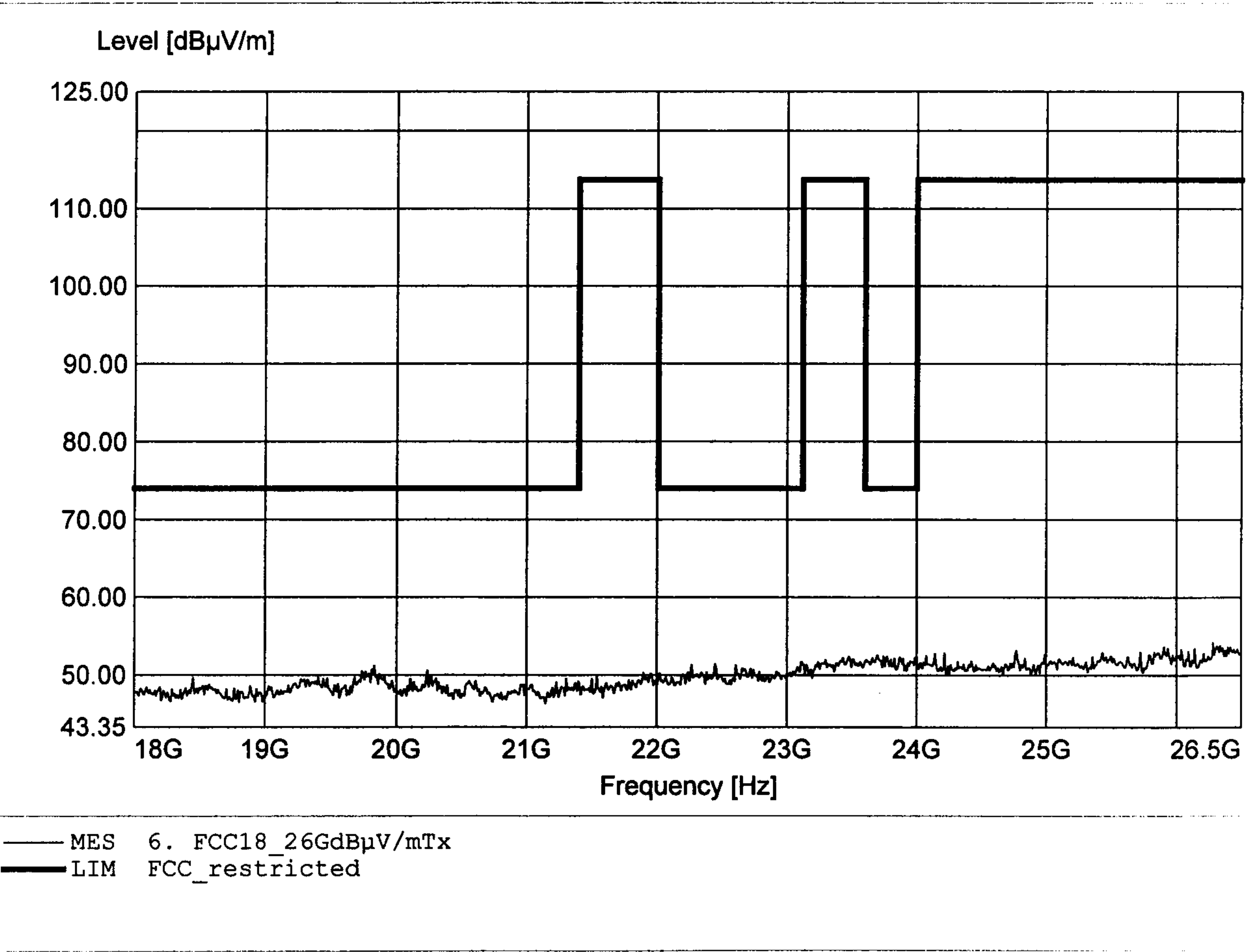
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:18-26GHz
Comment 2: Freq:26386,66MHz Emax:53,95dBµV/m RBW:1MHz



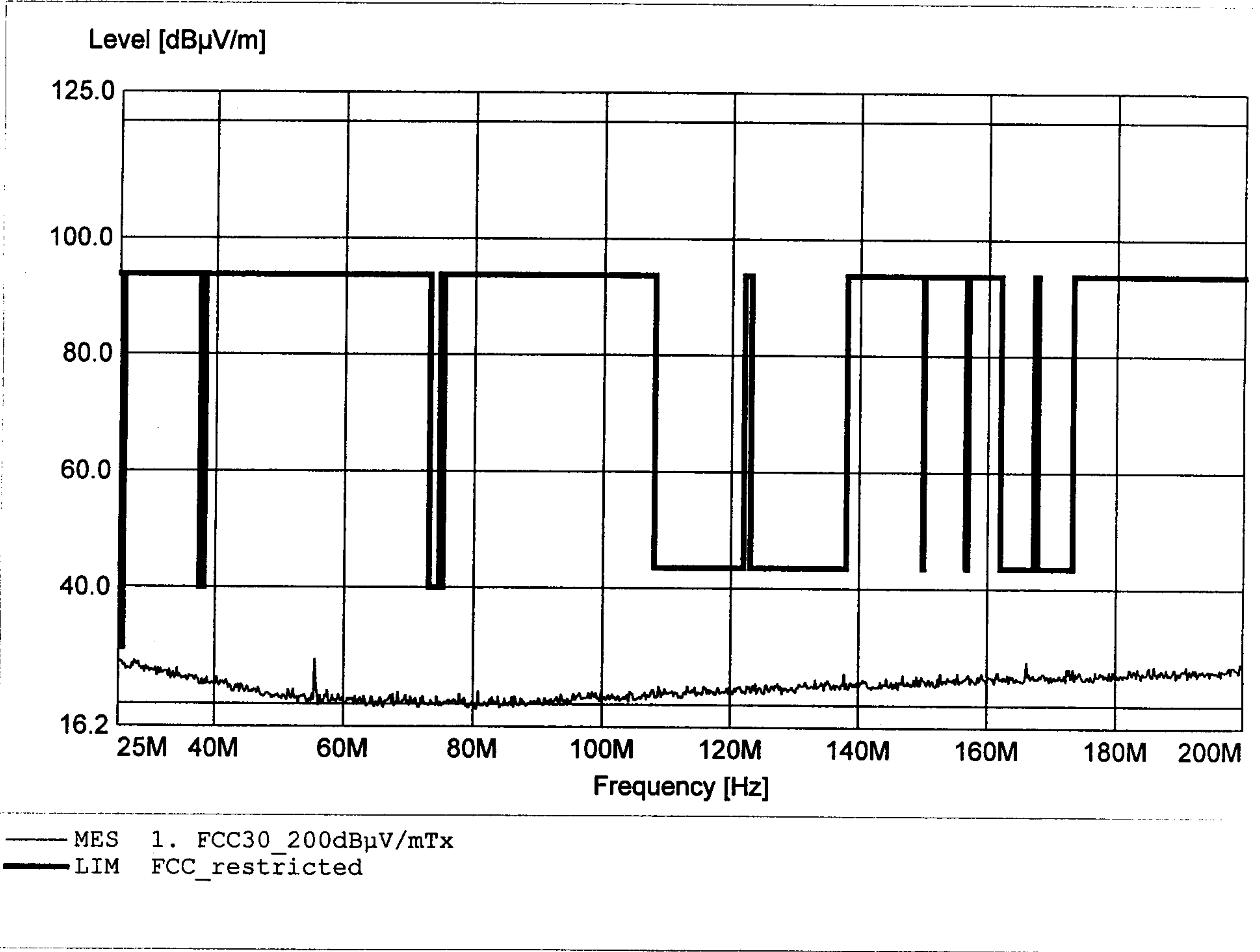
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:23 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:18-26GHz
Comment 2: Freq:26282,77MHz Emax:54,25dBµV/m RBW:1MHz



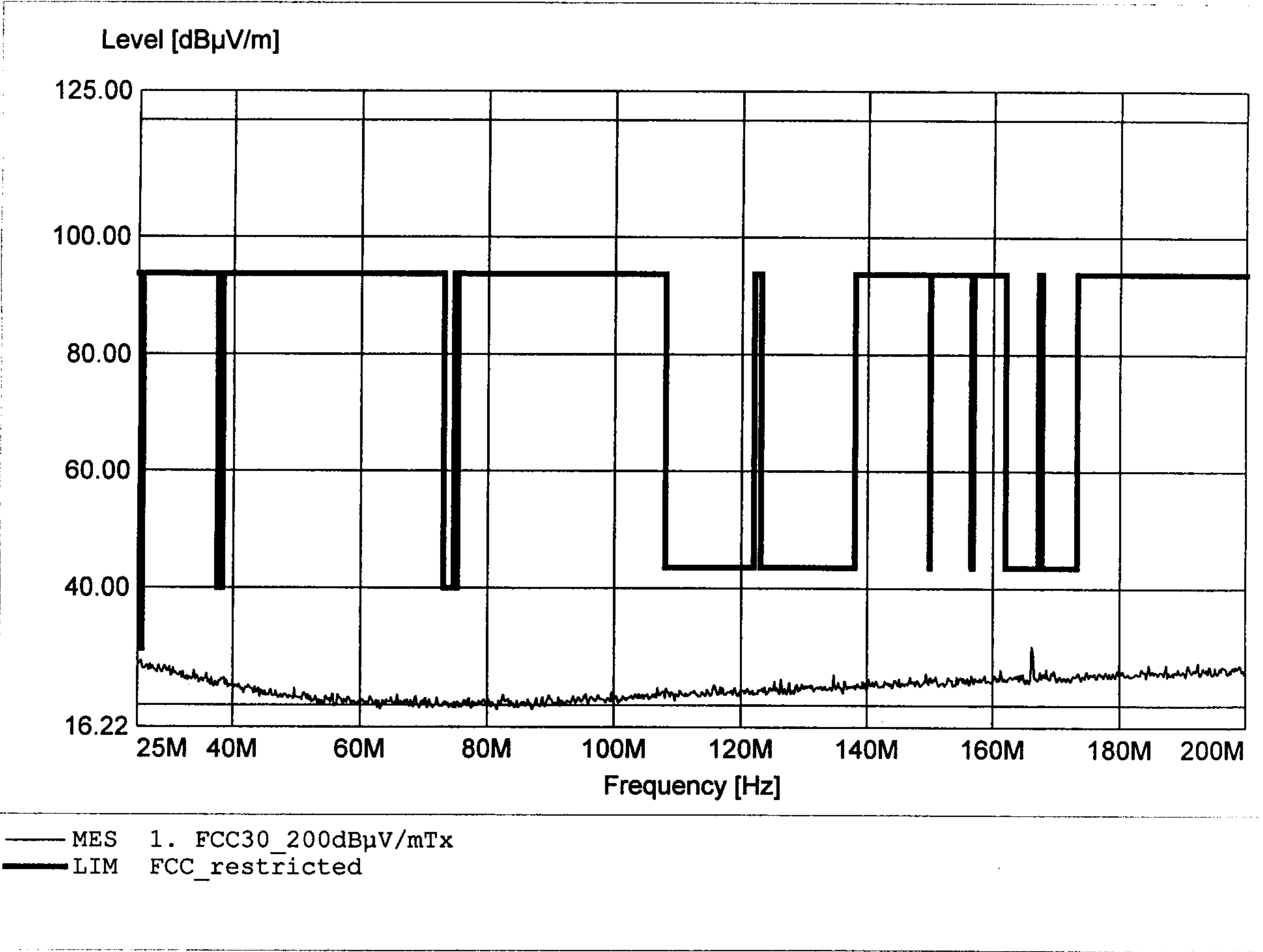
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:55,52MHz Emax:27,80dBµV/m RBW:100KHz



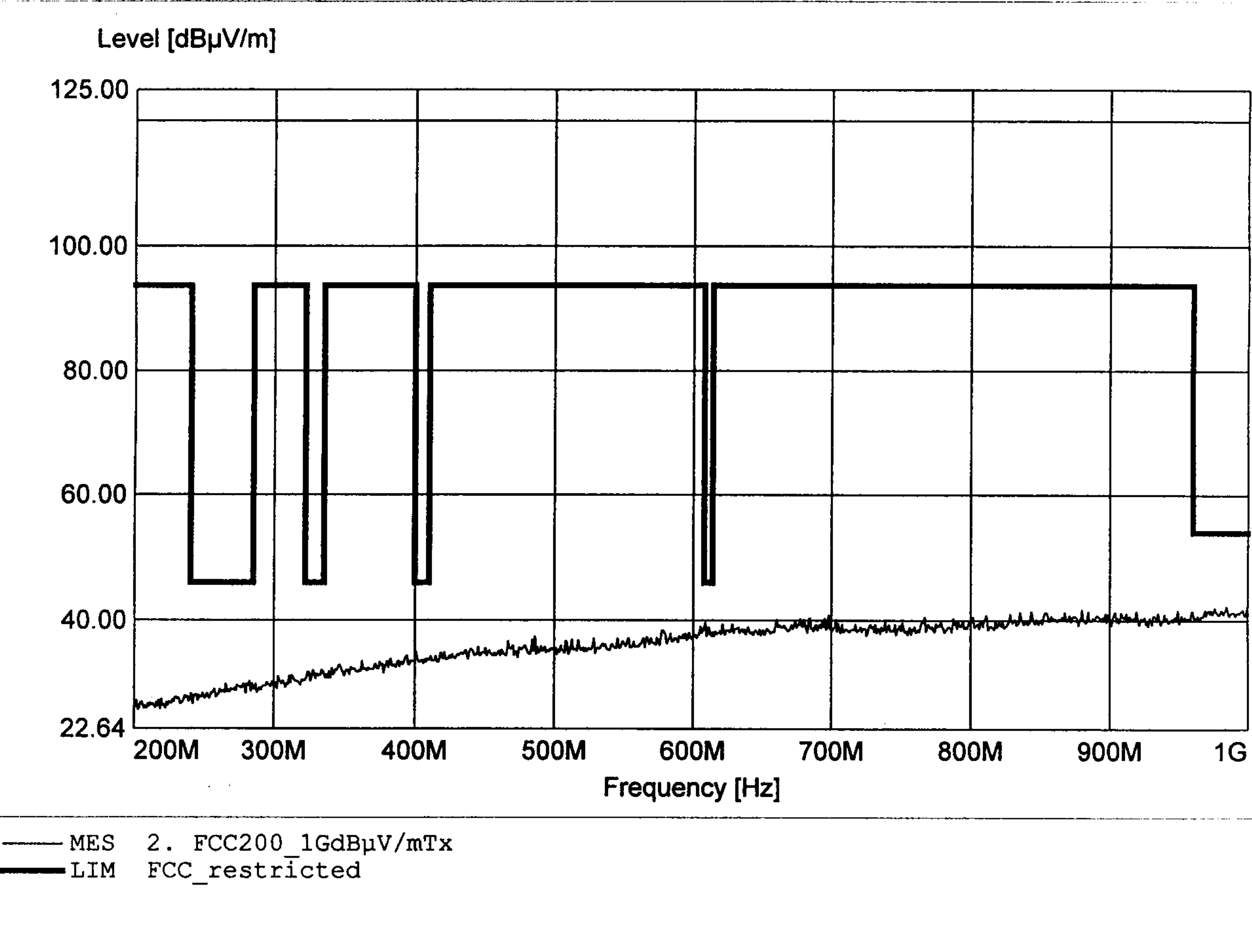
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:166,16MHz Emax:30,23dBµV/m RBW:100KHz



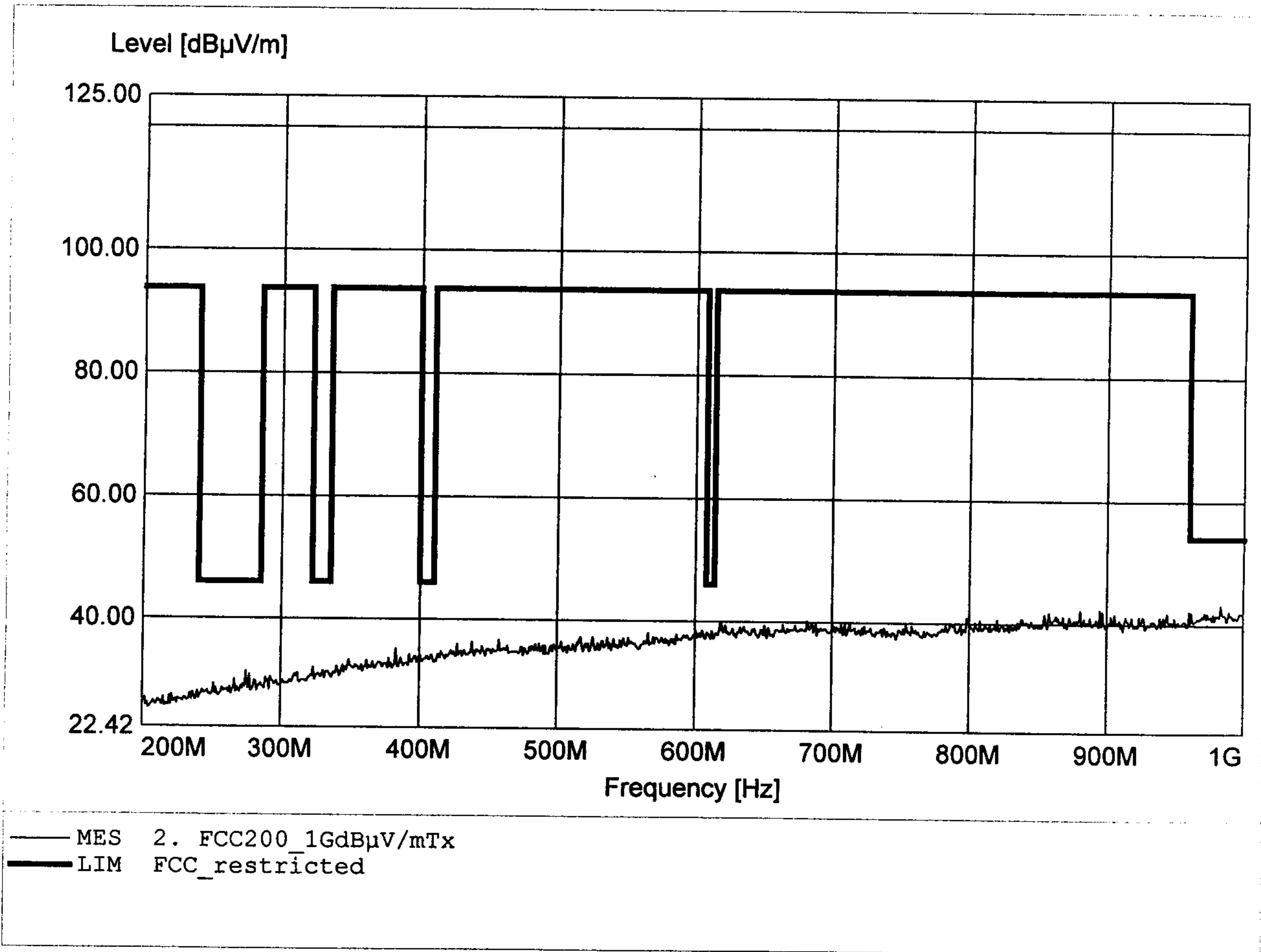
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq:999,99MHz Emax:42,42dBµV/m RBW:100KHz



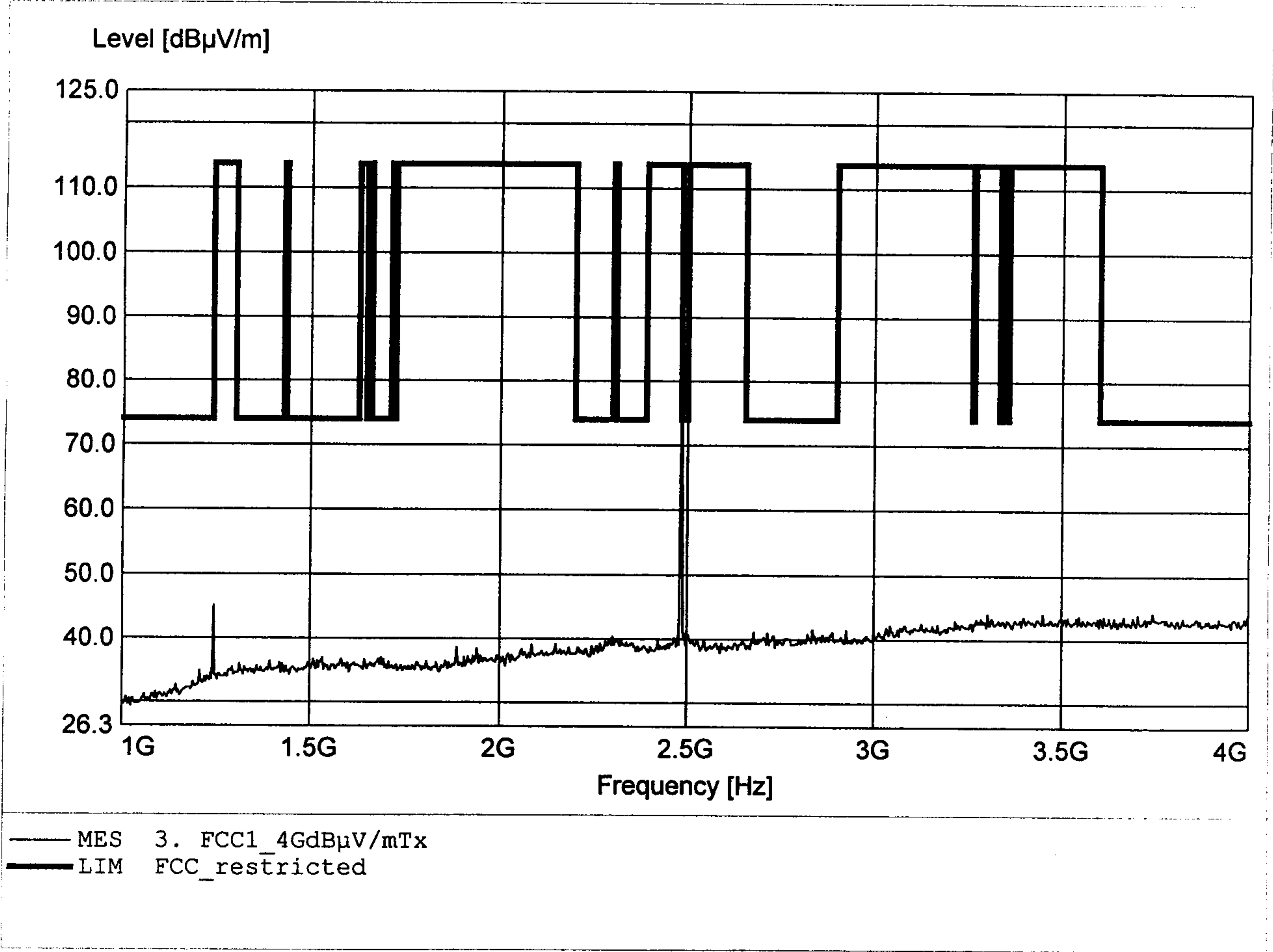
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq:983,11MHz Emax:43,28dBµV/m RBW:100KHz



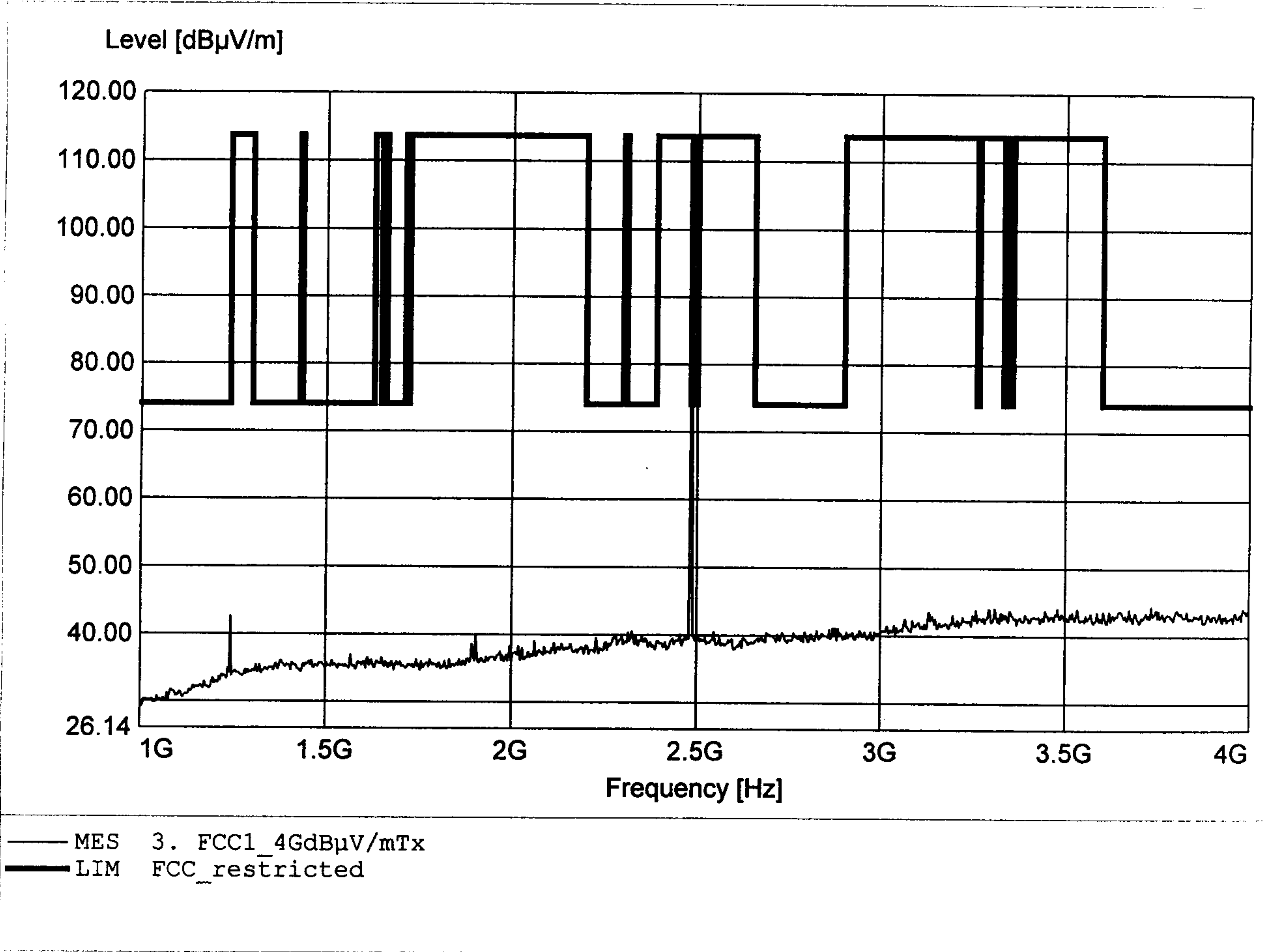
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz
Comment 2: Freq:2483,33MHz Emax:77,95dBµV/m RBW:1MHz



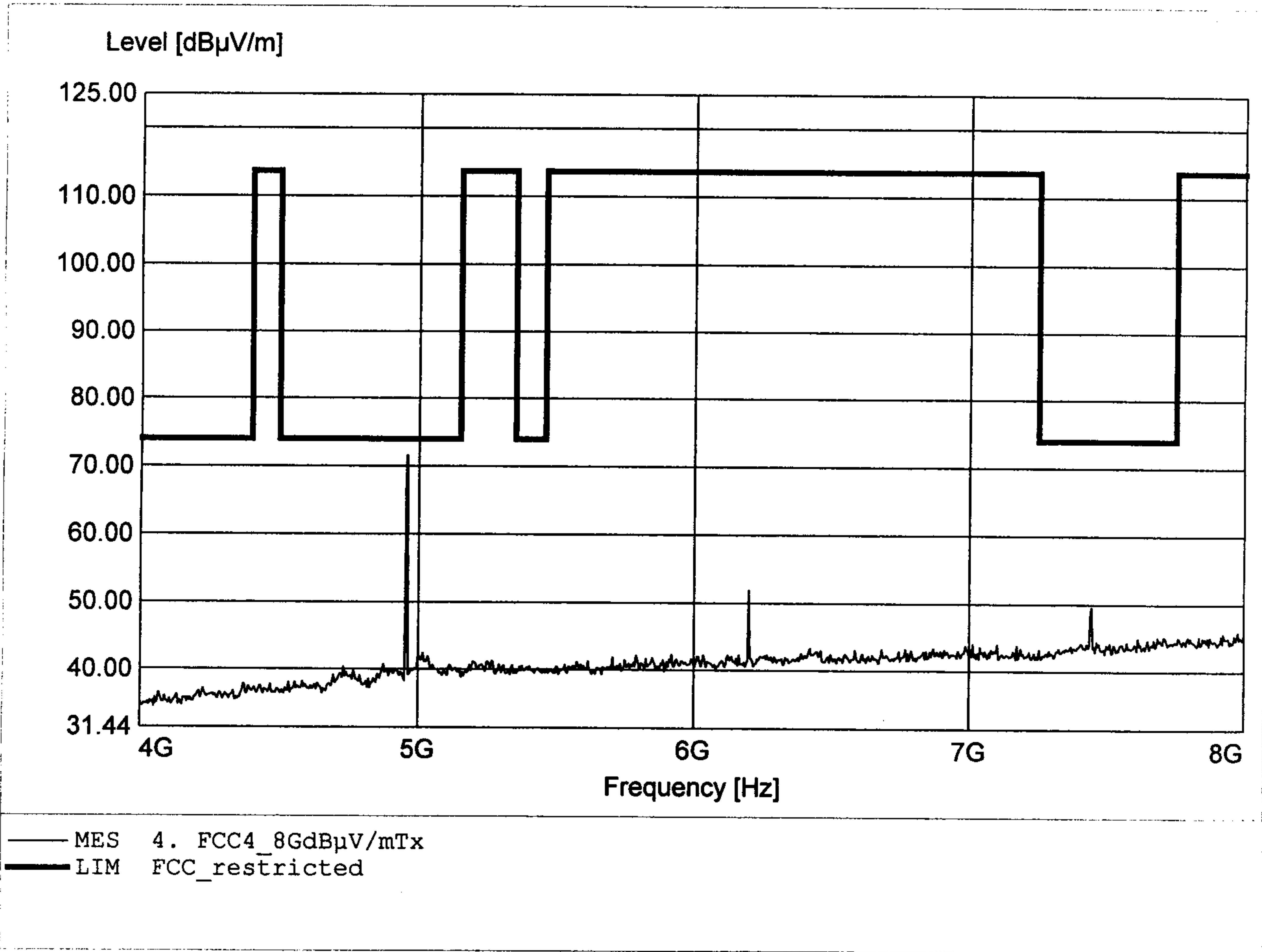
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz
Comment 2: Freq:2486,66MHz Emax:81,23dBµV/m RBW:1MHz



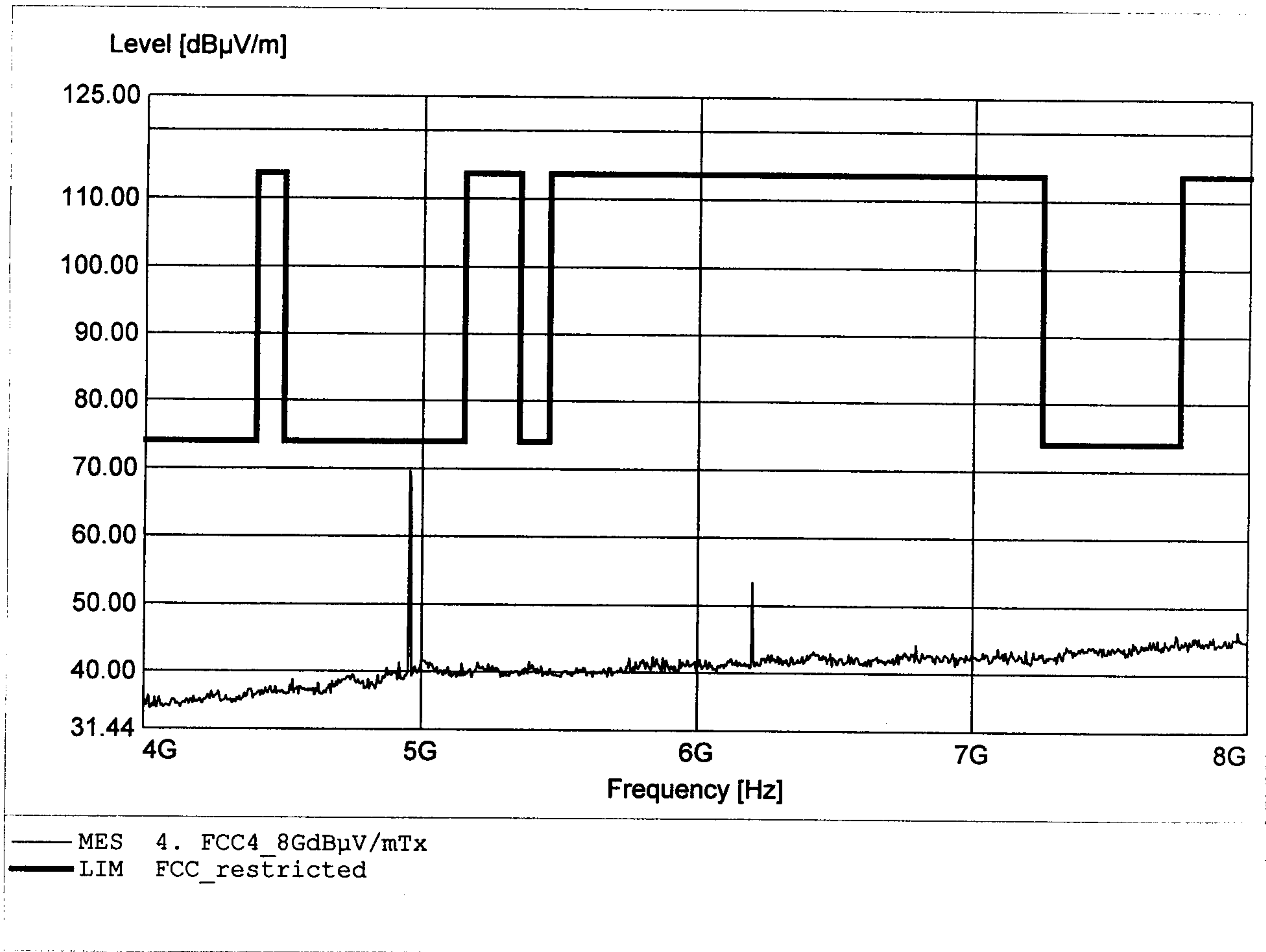
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:4-8GHz
Comment 2: Freq:4960,00MHz Emax:71,57dBµV/m RBW:1MHz



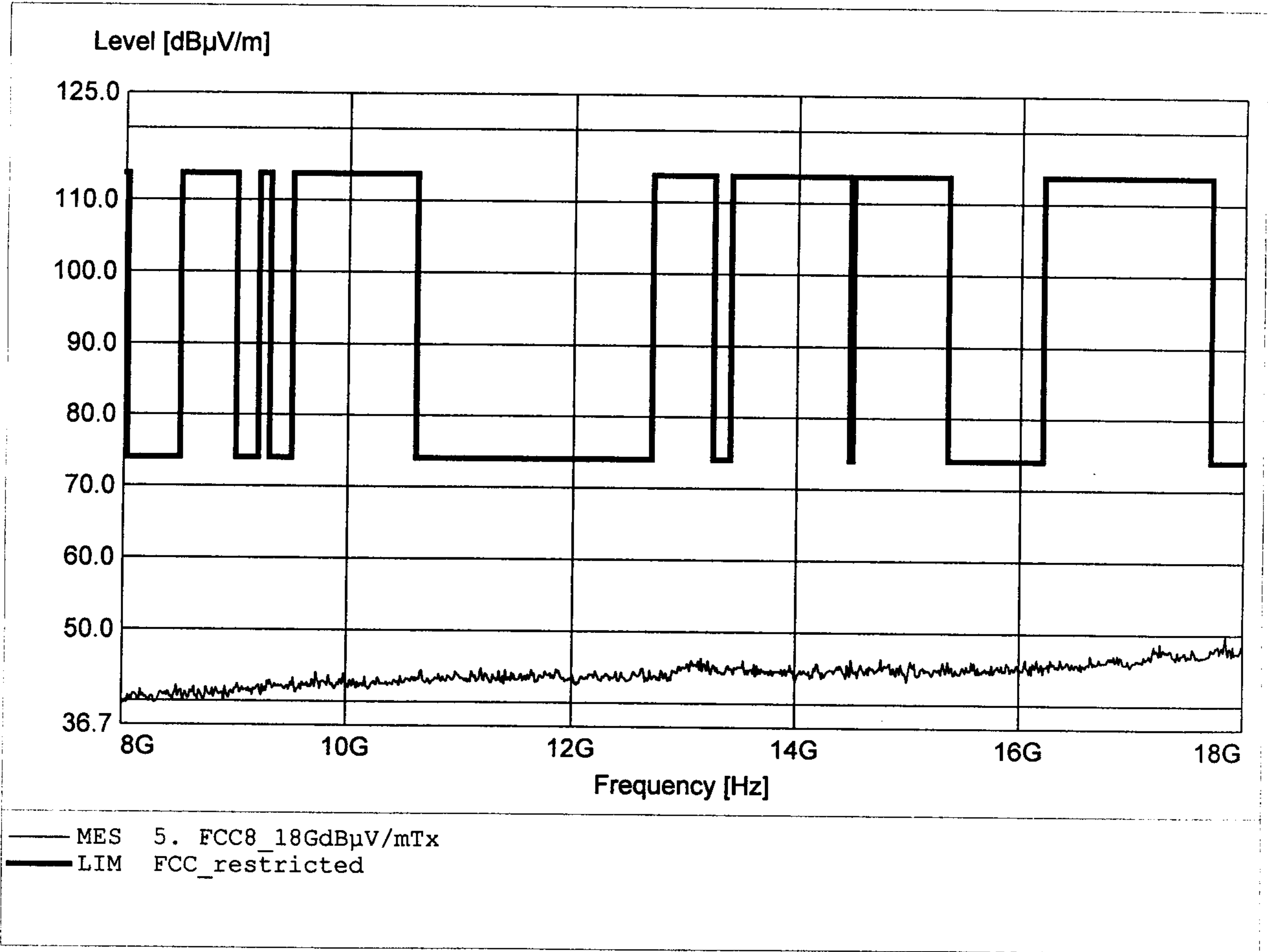
**Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:4-8GHz
Comment 2: Freq:4955,55MHz Emax:69,63dBµV/m RBW:1MHz



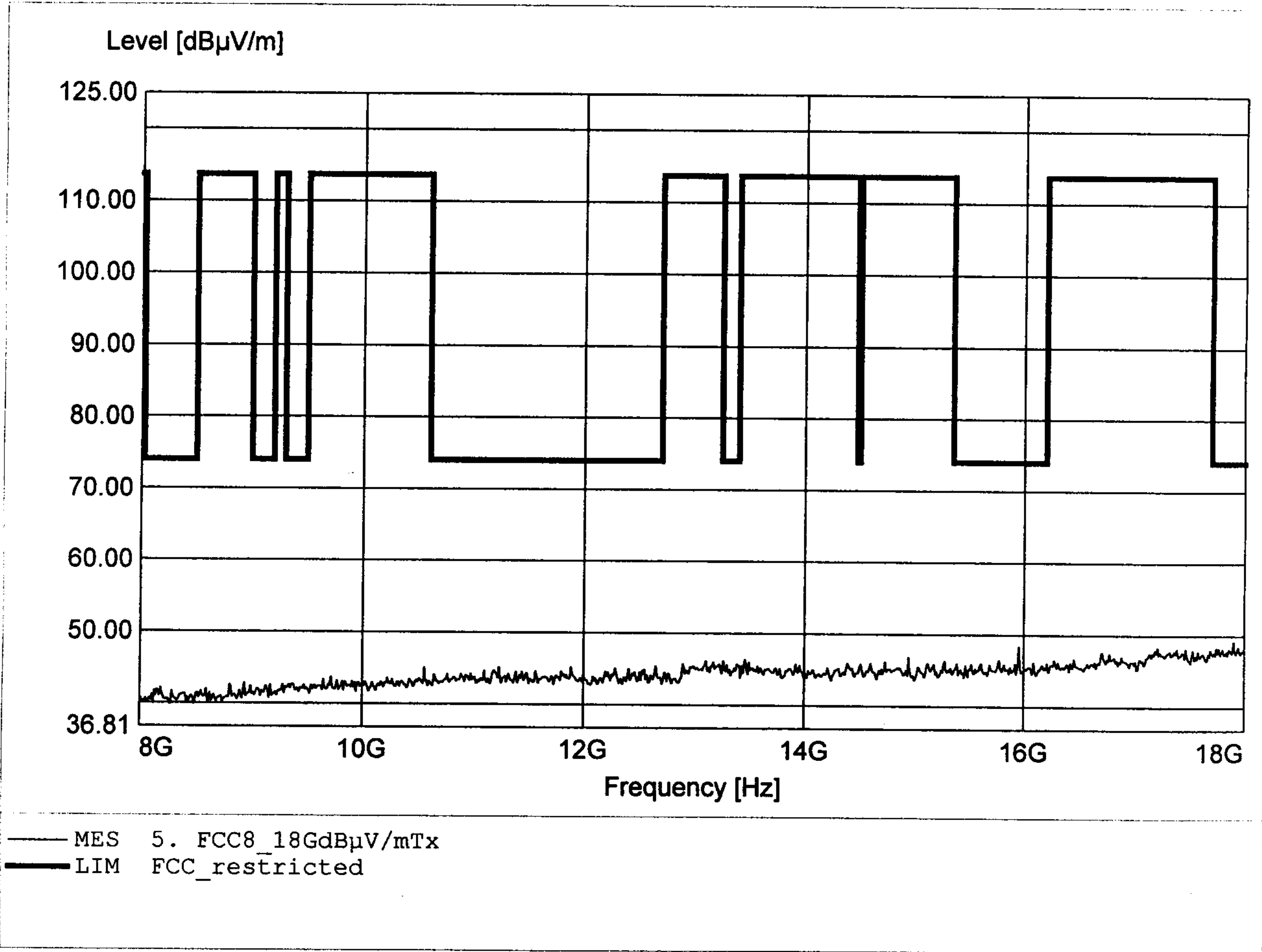
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:8-18GHz
Comment 2: Freq:17844,44MHz Emax:49,79dBµV/m RBW:1MHz



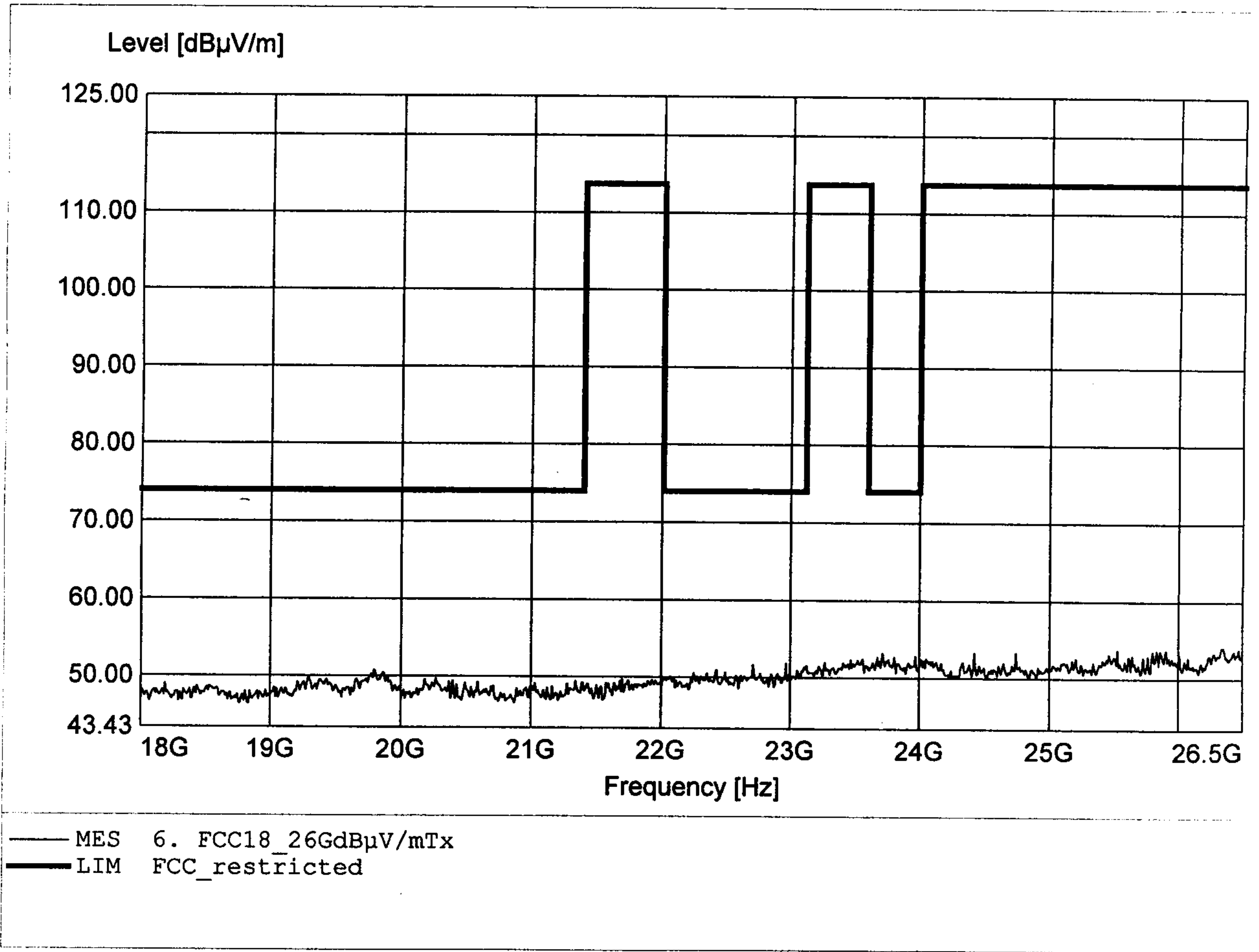
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:8-18GHz
Comment 2: Freq:17899,99MHz Emax:49,23dBµV/m RBW:1MHz



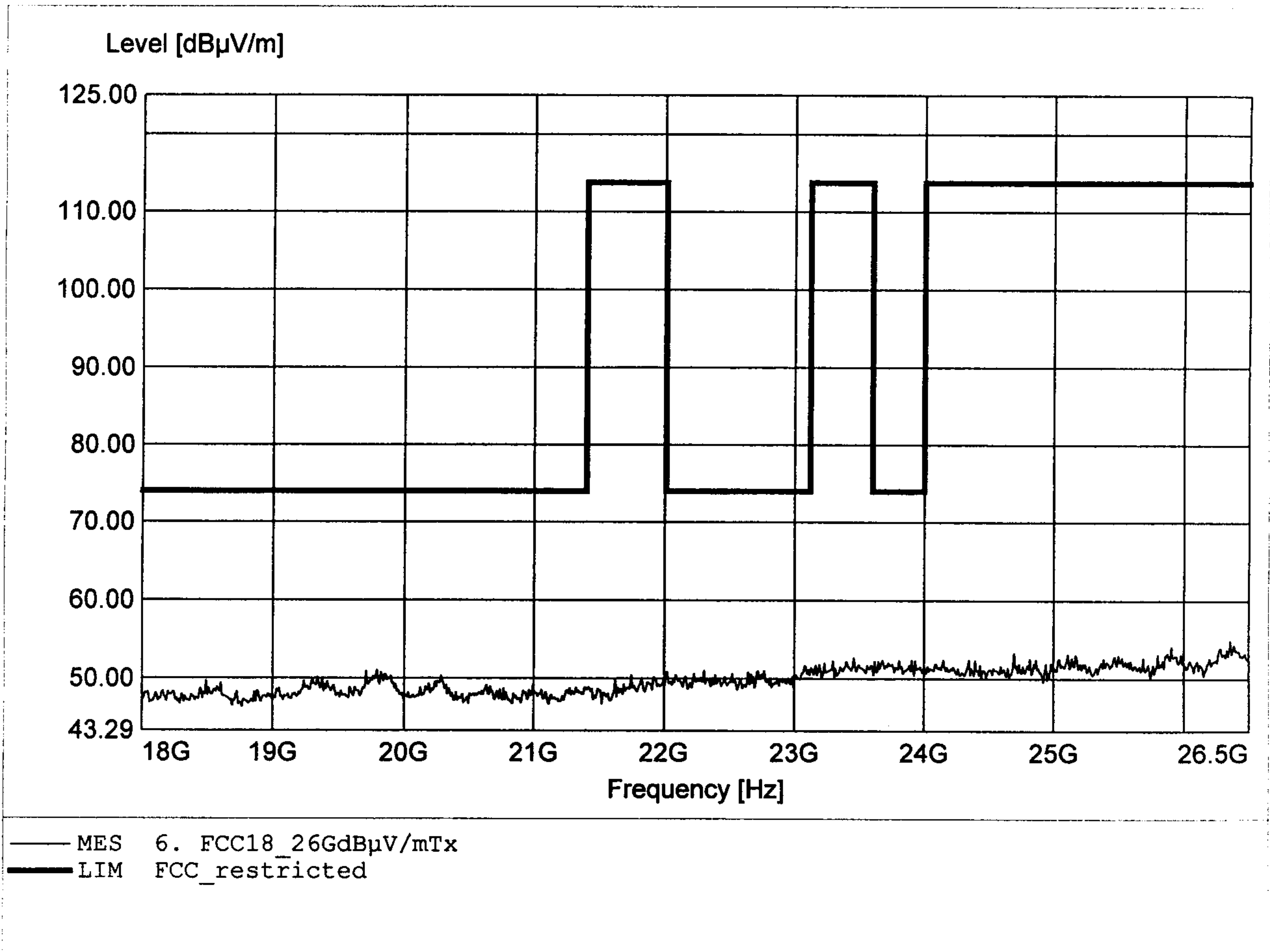
Spurious emissions Field Strength Tx
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:18-26GHz
Comment 2: Freq:26348,09MHz Emax:54,9dBµV/m RBW:1MHz



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

EUT: 2.4 GHz Spread Spectrum Radio Modem / Ch.:47 / Ant.1
Model: HW 8612 / US
Applicant: Höft & Wessel AG
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to § 15.247 Limit 20dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:18-26GHz
Comment 2: Freq:26358,33MHz Emax:54,96dBµV/m RBW:1MHz





Appendix D

Spurious Emissions conducted - Transmitter operating

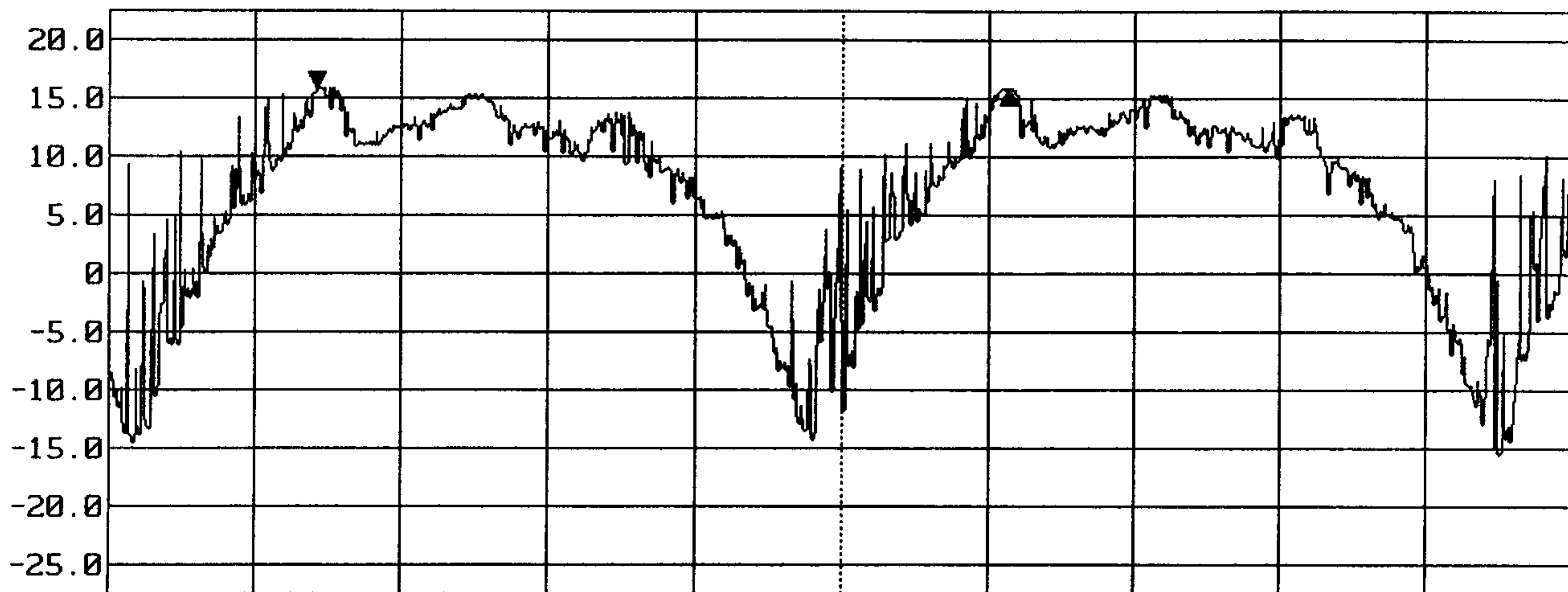


Appendix E

Carrier Frequency Separation



LULOFF
Date 27.Jun.'01 Time 10:45:29 Res.Bw 116.0 kHz[imp] Vid.Bw 1 MHz
Ref.Lvl 22.50 dBm Delta -0.04 dB CF.Stp 350.000 kHz RF.Att 30 dB
Unit [dBm]



Start 2.440253542 GHz Span 3.5 MHz Center 2.442003542 GHz Sweep 2.0 s Stop 2.443753542 GHz

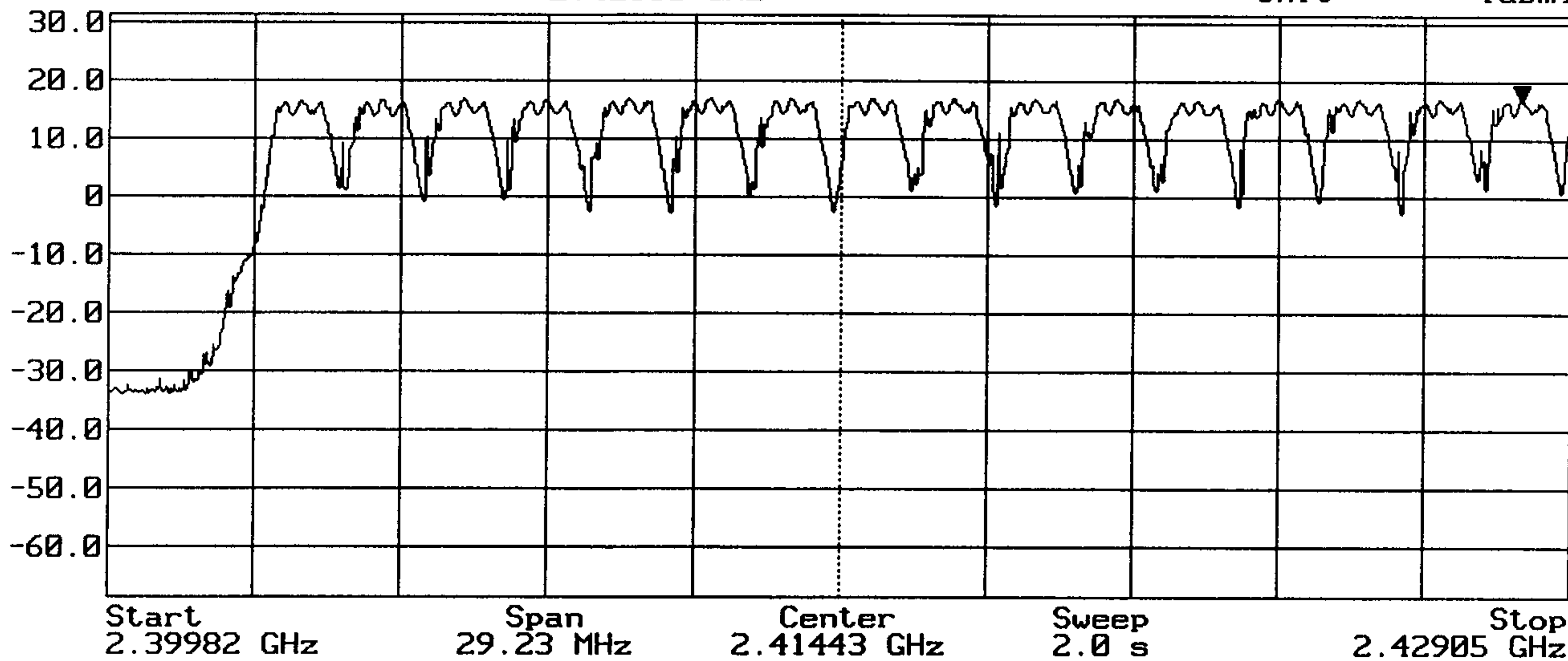


Appendix F

Number of Hopping Frequencies



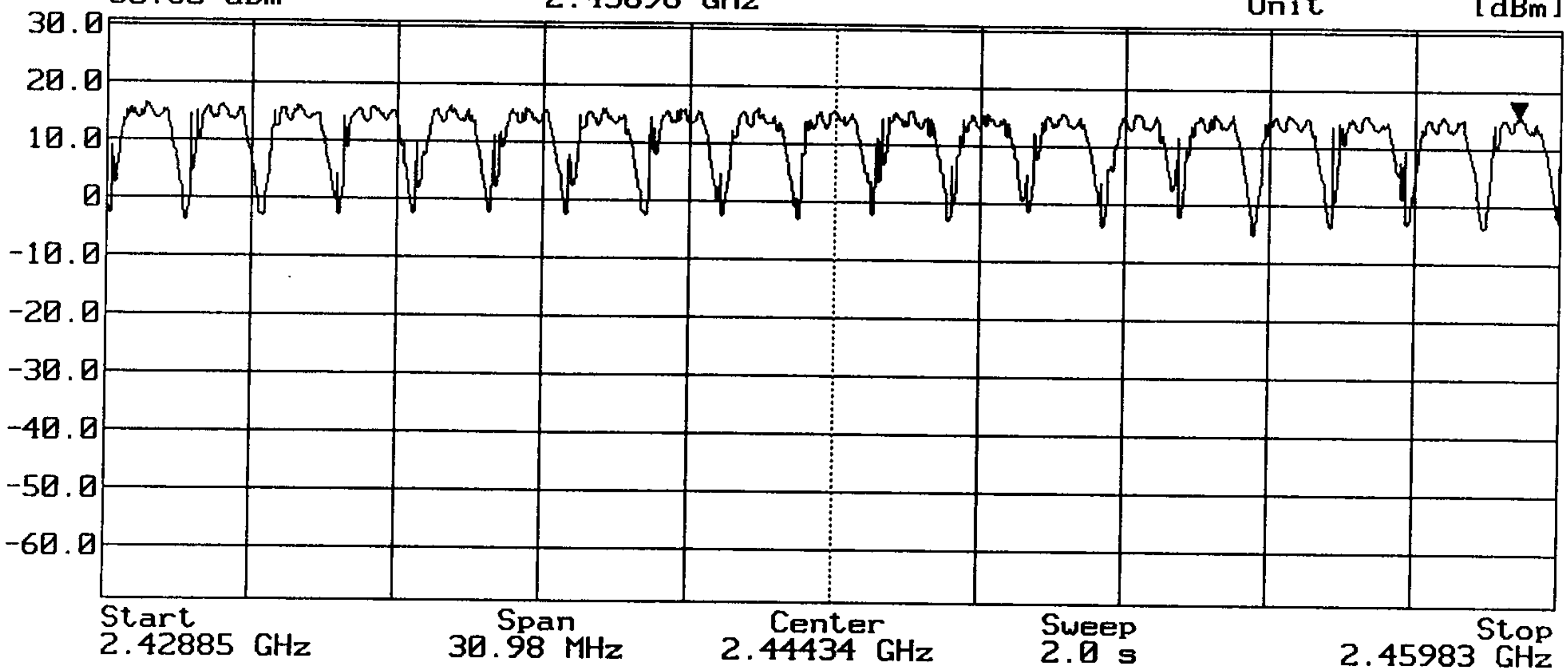
LULOFF
Date 27.Jun.'01 Time 11:36:03 Res.Bw 302.7 kHz[imp] Vid.Bw 3 MHz
Ref.Lvl 31.20 dBm Marker 16.76 dBm CF.Stp 2.923 MHz RF.Att 40 dB
31.20 dBm 2.42810 GHz Unit [dBm]





LULOFF

Date 27.Jun.'01 Time 11:57:36 Res.Bw 302.7 kHz[imp] Vid.Bw 3 MHz
Ref.Lvl 30.80 dBm Marker 15.62 dBm CF.Stp 3.098 MHz RF.Att 40 dB
Unit [dBm]



LVLOFF

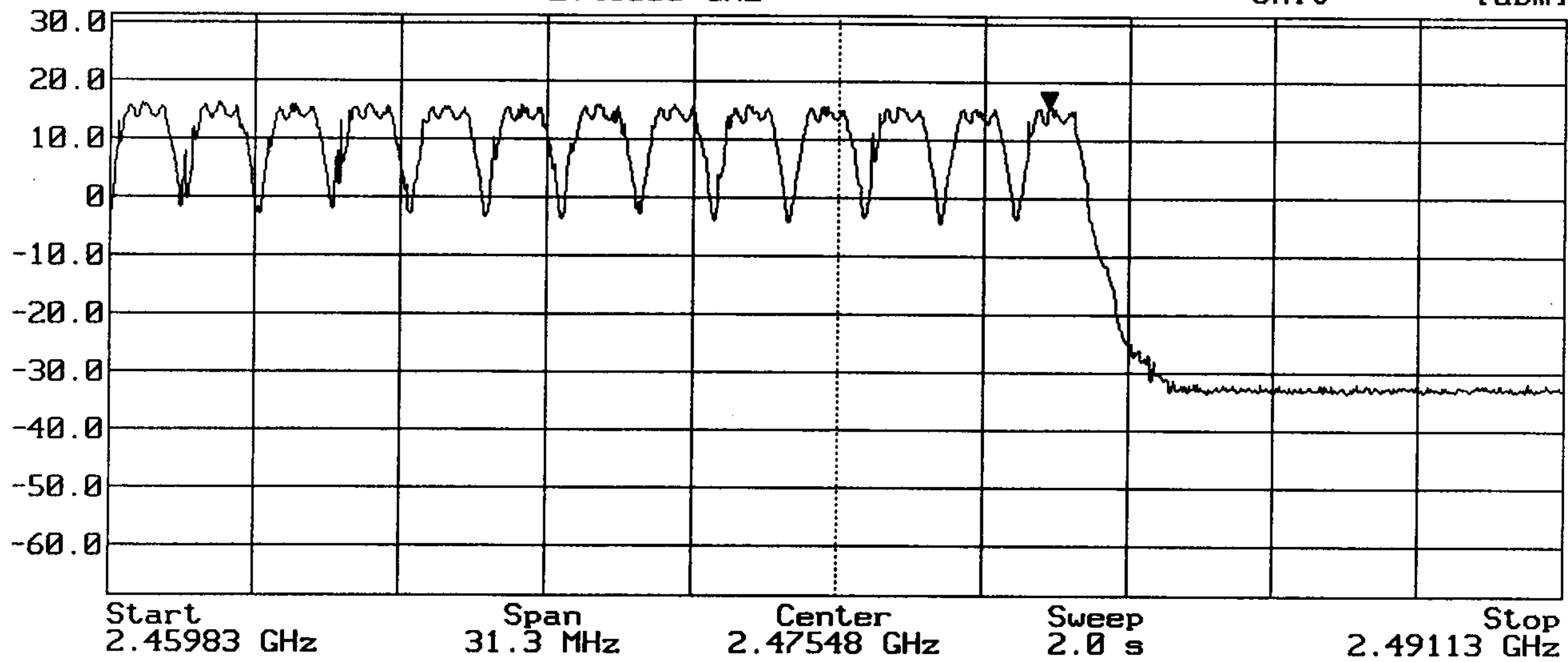


Date 27.Jun.'01 Time 12:18:10

Res.Bw 302.7 kHz[imp] Vid.Bw 3 MHz

Ref.Lvl 31.20 dBm
Marker 15.46 dBm
2.48000 GHz

CF.Stp 3.130 MHz RF.Att 40 dB
Unit [dBm]





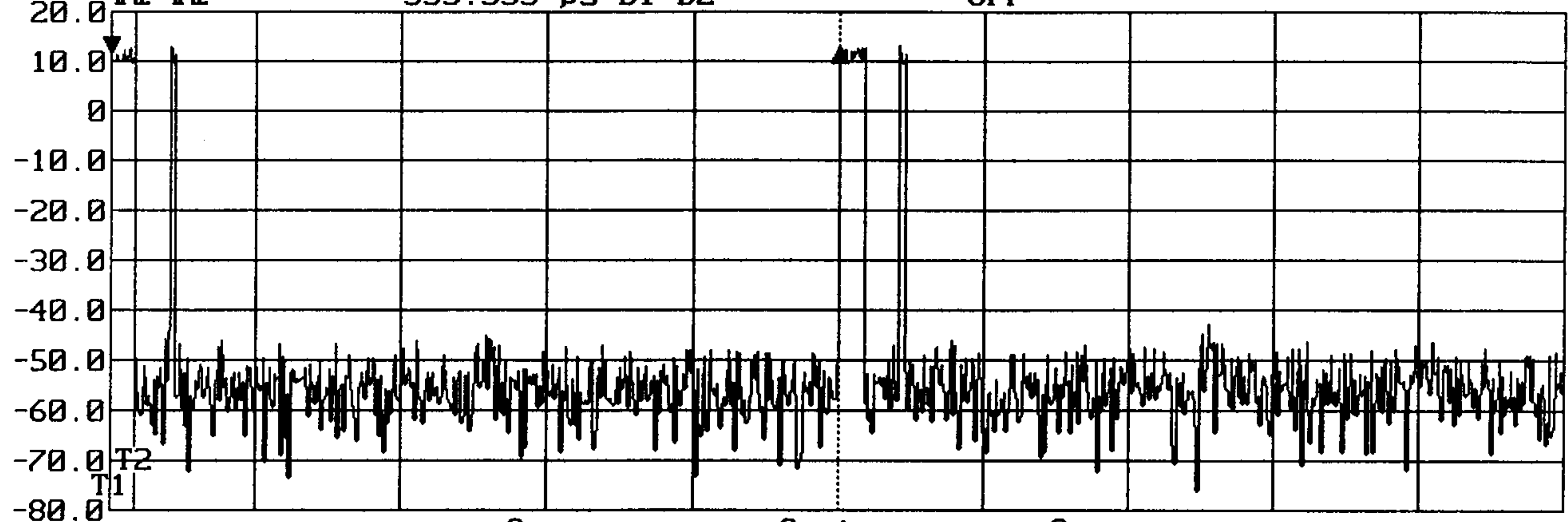
Appendix G

Time of Occupancy (Dwell Time)



Date 27.Jun.'01 Time 10:12:16 TRG Res.Bw 1.0 MHz[imp] Vid.Bw 3 MHz
Ref.Lvl 20.00 dBm Delta 1.22 dB CF.Stp 69.660 kHz RF.Att 30 dB
Unit [dBm]

F1 0 s D1 OFF
F2 355.555 μs D2 OFF
F2-F2 355.555 μs D1-D2 OFF



Span 0 Hz Center 2.441155765 GHz Sweep 20 ms



Appendix H

20dB Bandwidth



LULOFF

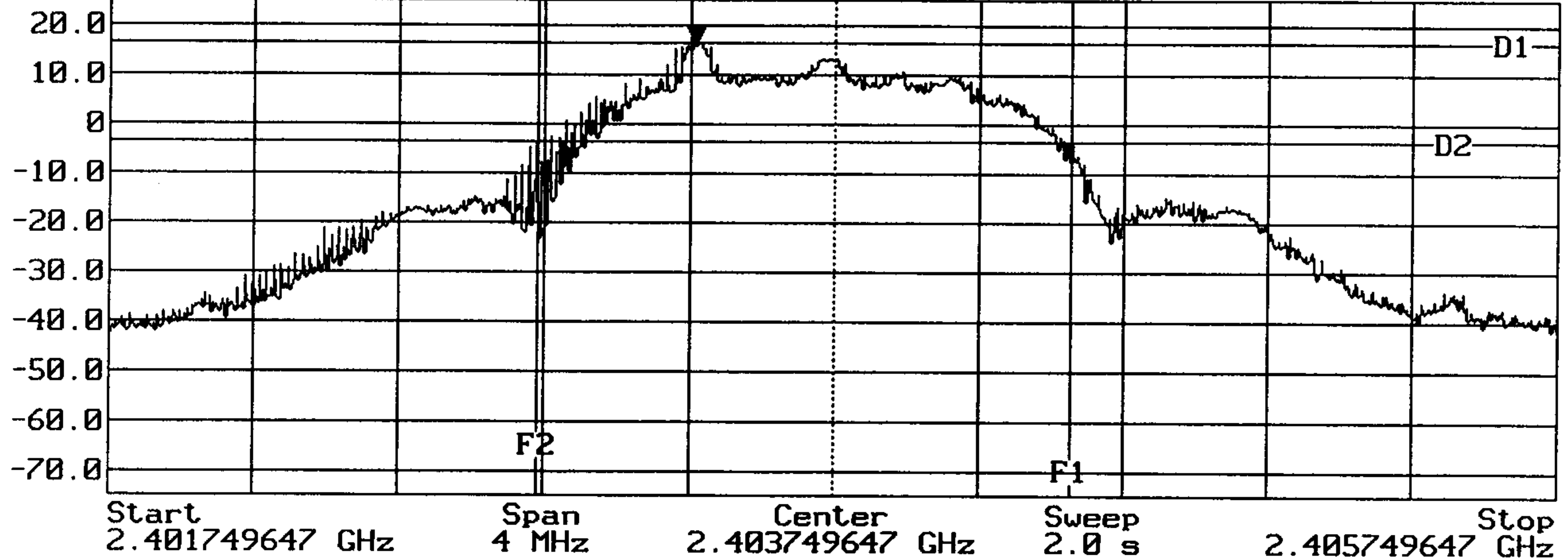
Date 27.Jun.'01 Time 09:39:02

Res.Bw 29.9 kHz[imp] Vid.Bw 300 kHz

Ref.Lvl 24.90 dBm Marker 16.37 dBm

CF.Stp 400.000 kHz RF.Att 30 dB

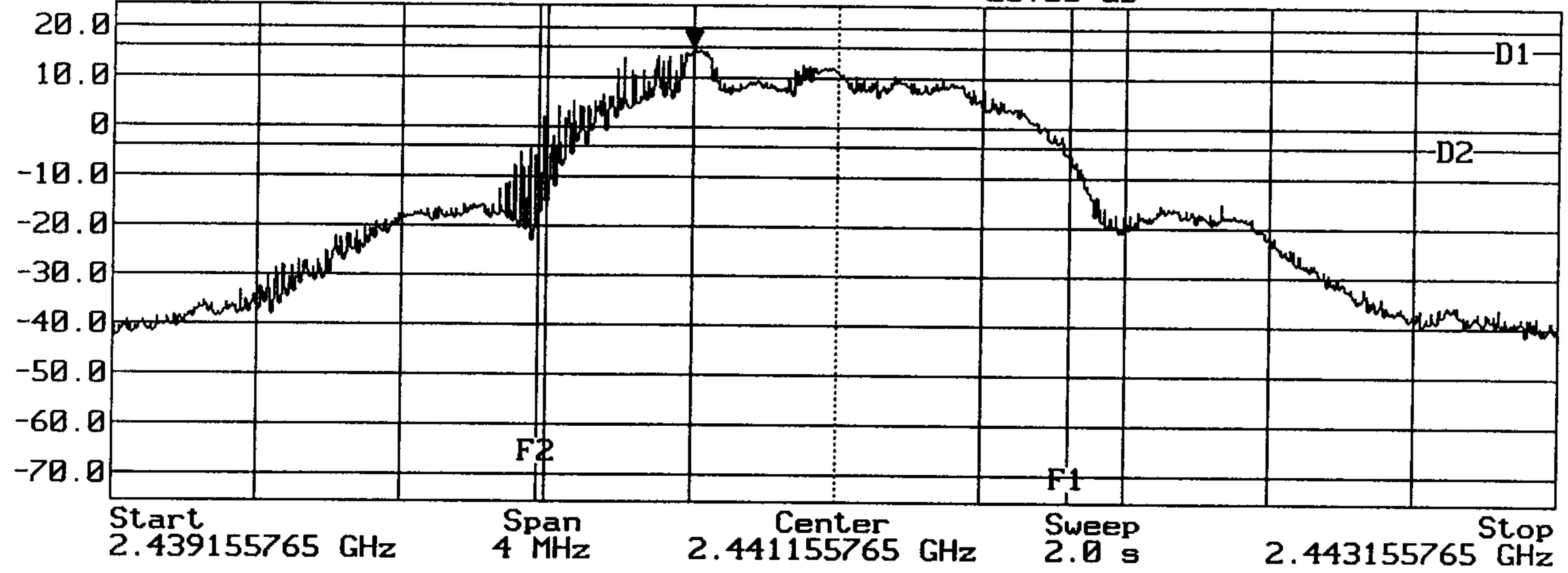
F1 2.40440742476 GHz D1 16.37 dBm
F2 2.40293631364 GHz D2 -3.63 dBm
F2-F1 1.4711112 MHz D1-D2 -20.00 dB





LULOFF

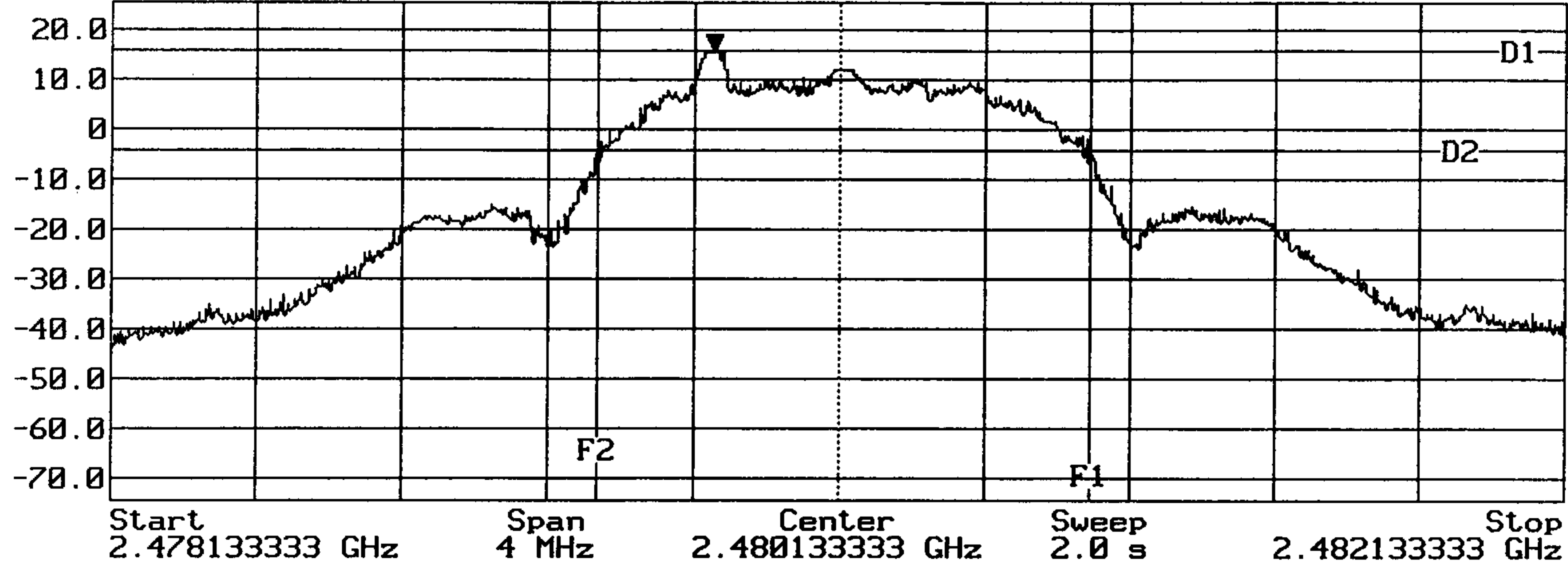
Date 27.Jun.'01 Time 09:32:55 Res.Bw 29.9 kHz[imp] Vid.Bw 300 kHz
Ref.Lvl 24.20 dBm Marker 15.90 dBm CF.Stp 400.000 kHz RF.Att 30 dB
Unit [dBm]
F1 2.44180465387 GHz D1 15.90 dBm
F2 2.44033798721 GHz D2 -4.10 dBm
F2-F1 1.46666666 MHz D1-D2 -20.00 dB





LULOFF

Date 27.Jun.'01 Time 09:22:03 Res.Bw 29.9 kHz[imp] Vid.Bw 300 kHz
Ref.Lvl 25.20 dBm Marker 15.53 dBm CF.Stp 400.000 kHz RF.Att 30 dB
Unit [dBm]
F1 2.48082222191 GHz D1 15.53 dBm
F2 2.47946999964 GHz D2 -4.47 dBm
F2-F1 1.35222227 MHz D1-D2 -20.00 dB





Appendix I

Band-edge Compliance of RF Emissions



LULOFF

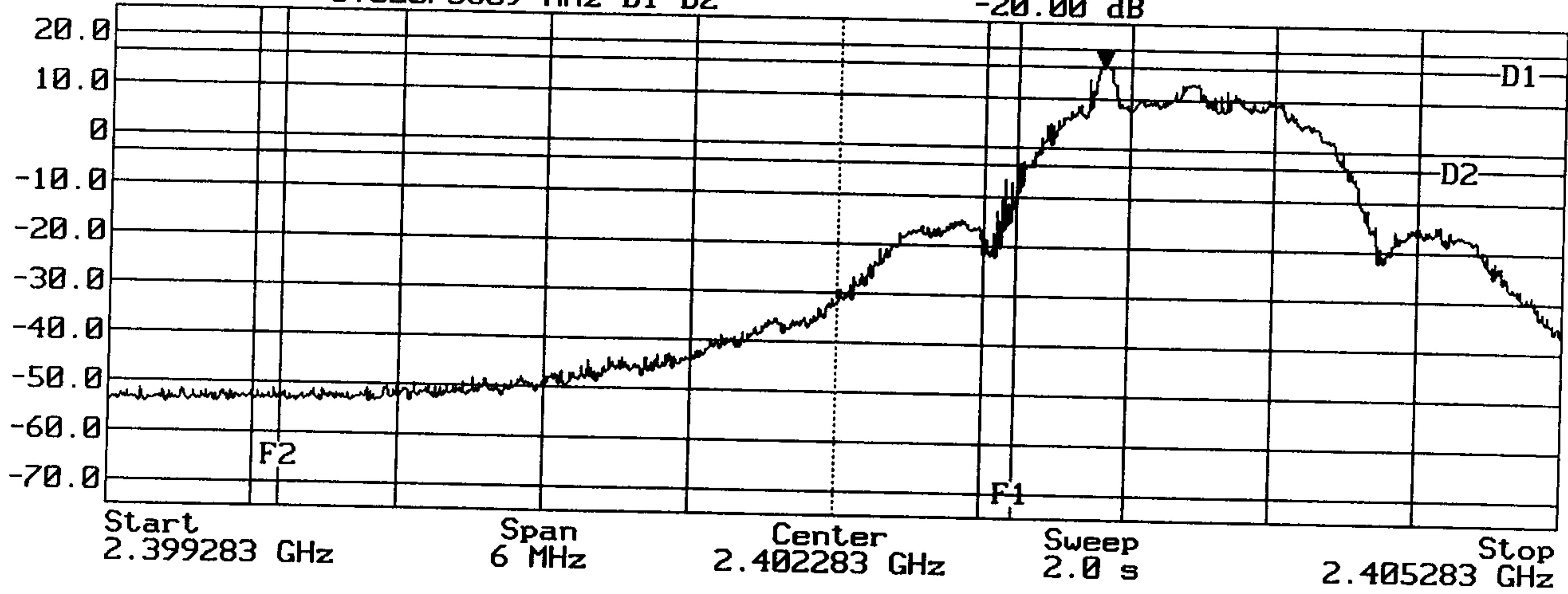
Date 27.Jun.'01 Time 09:45:44

Res.Bw 29.9 kHz[imp] Vid.Bw 300 kHz

Ref.Lvl 24.90 dBm Marker 16.35 dBm

CF.Stp 600.000 kHz RF.Att 30 dB
Unit [dBm]

F1 2.40302075809 GHz D1 16.35 dBm
F2 2.40000000000 GHz D2 -3.65 dBm
F2-F1 3.02075809 MHz D1-D2 -20.00 dB





LULOFF

Date 27.Jun.'01 Time 09:51:19

Res.Bw 29.9 kHz[imp] Vid.Bw 300 kHz

Ref.Lvl 25.20 dBm Marker 15.50 dBm

CF.Stp 600.000 kHz RF.Att 30 dB

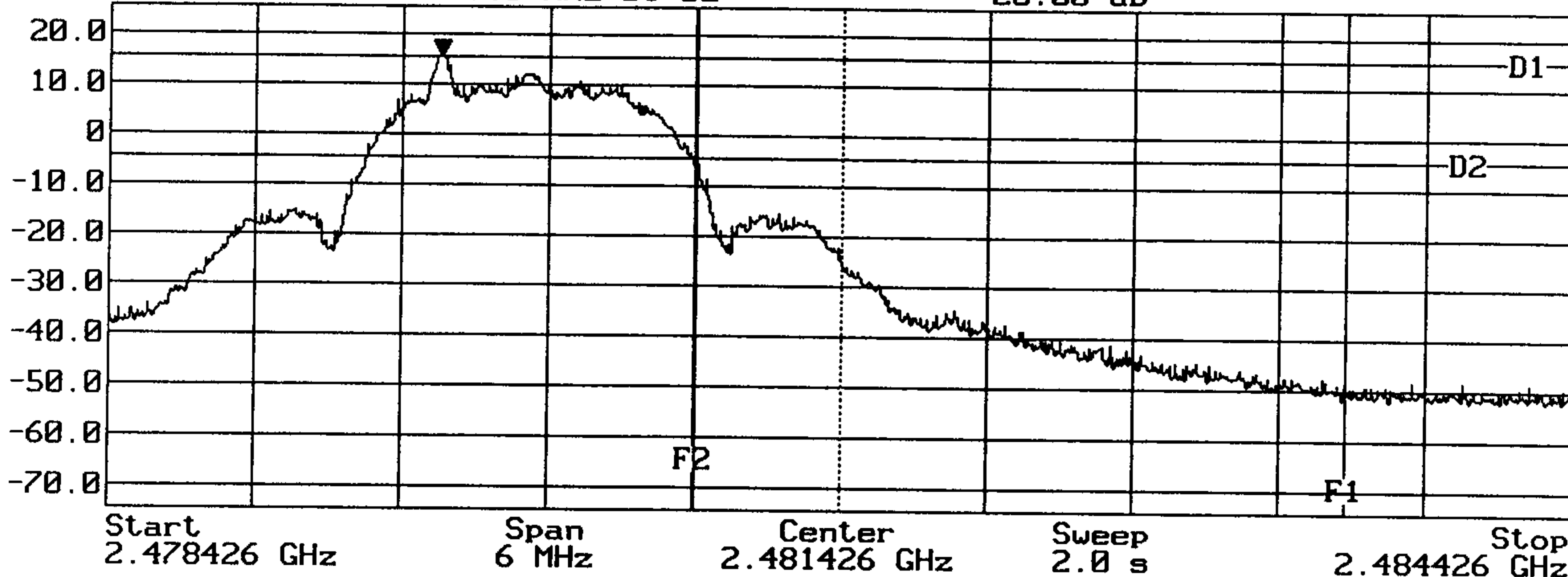
2.479793 GHz

Unit [dBm]

F1 2.48350000000 GHz D1 15.50 dBm

F2 2.48081985735 GHz D2 -4.50 dBm

F2-F1 2.68014265 MHz D1-D2 -20.00 dB





Appendix J

Conducted Measurement at (AC) Power Line

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

EUT: 2.4 GHz SPREAD SPECTRUM RADIO MODEM
Manufacturer: HÖFT & WESSEL AG
Operating Condition: Unom: 120VAC (AC/DC-adaptor) , Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH3-Z5
Comment: model: HW 8612 / US mode: link
Start of Test:

