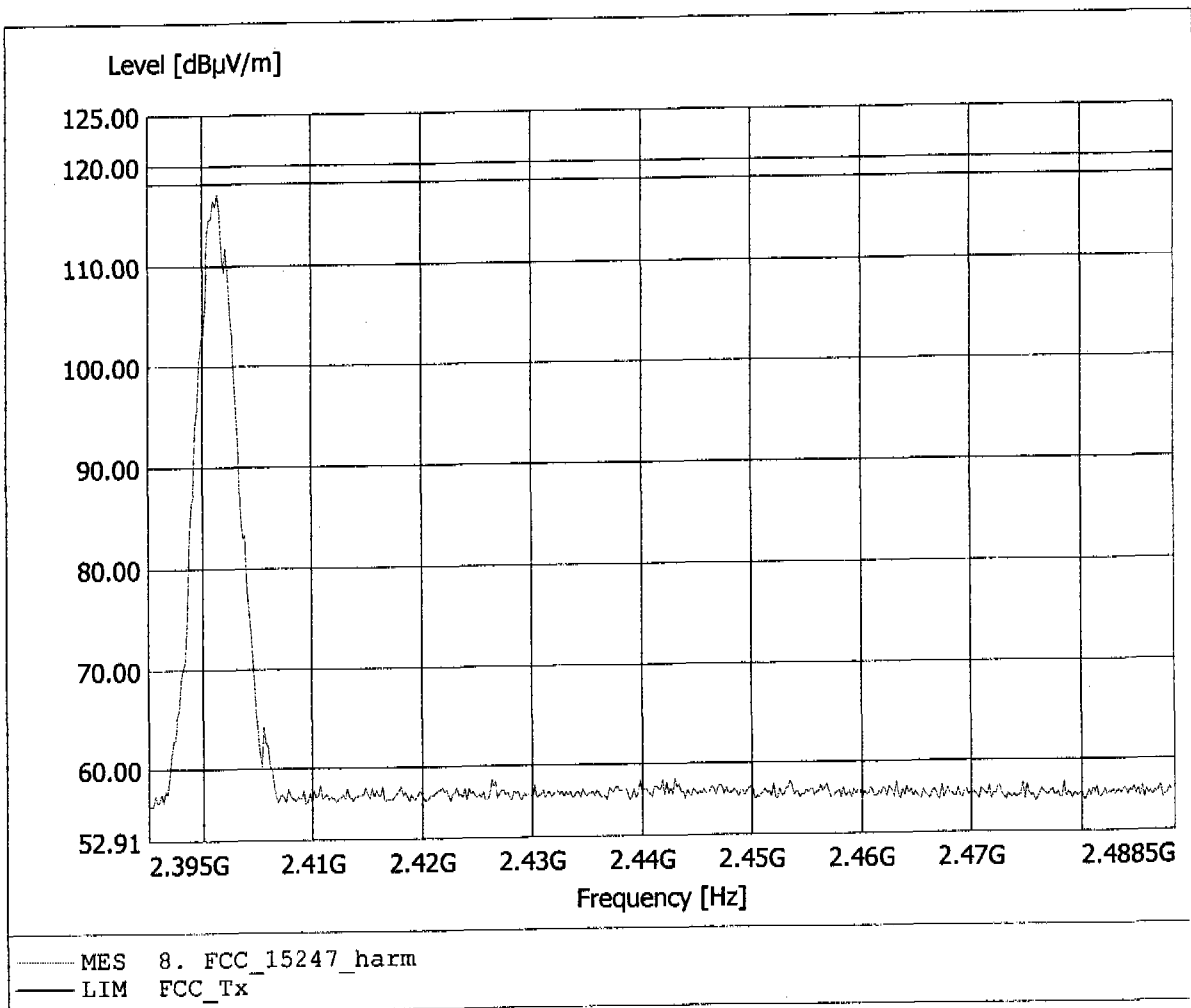


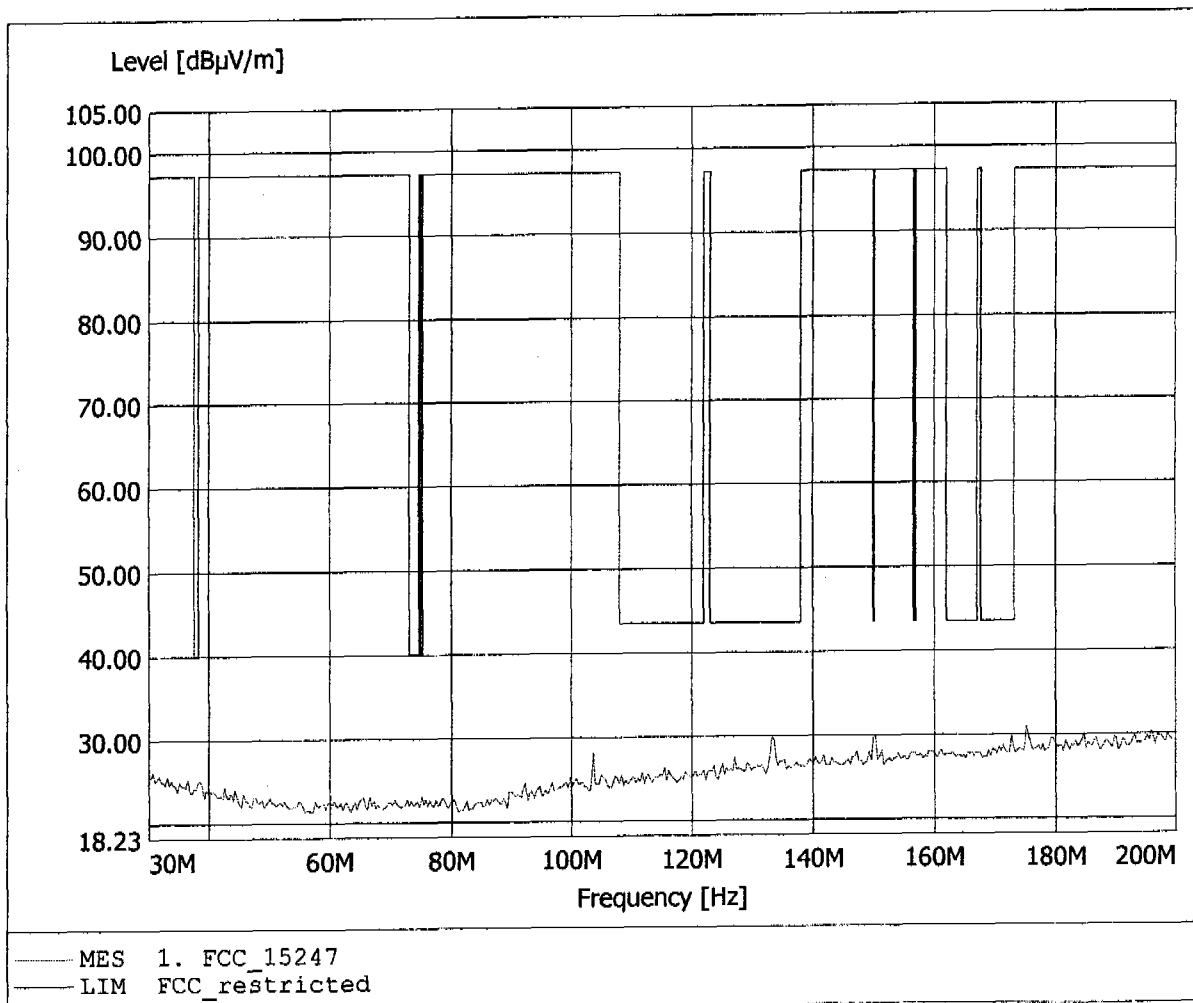
Carrier power (Field Strength)
FCC RULES PART 15, SUBPART C

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.401GHz, Emax: 117.24dBµV/m, RBW: 1MHz



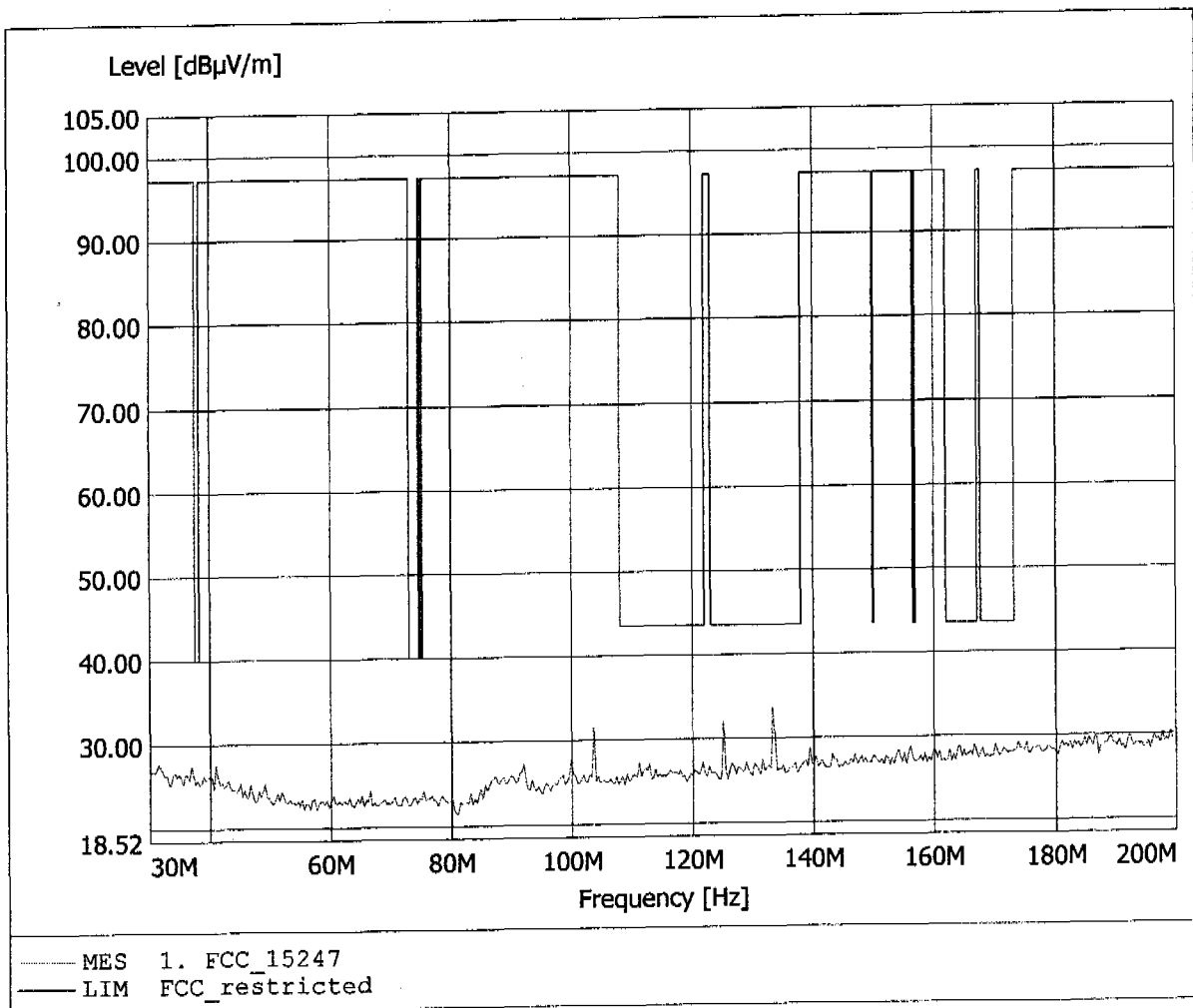
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V 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: 175.130MHz, Emax: 31.08dBµV/m, RBW: 100kHz



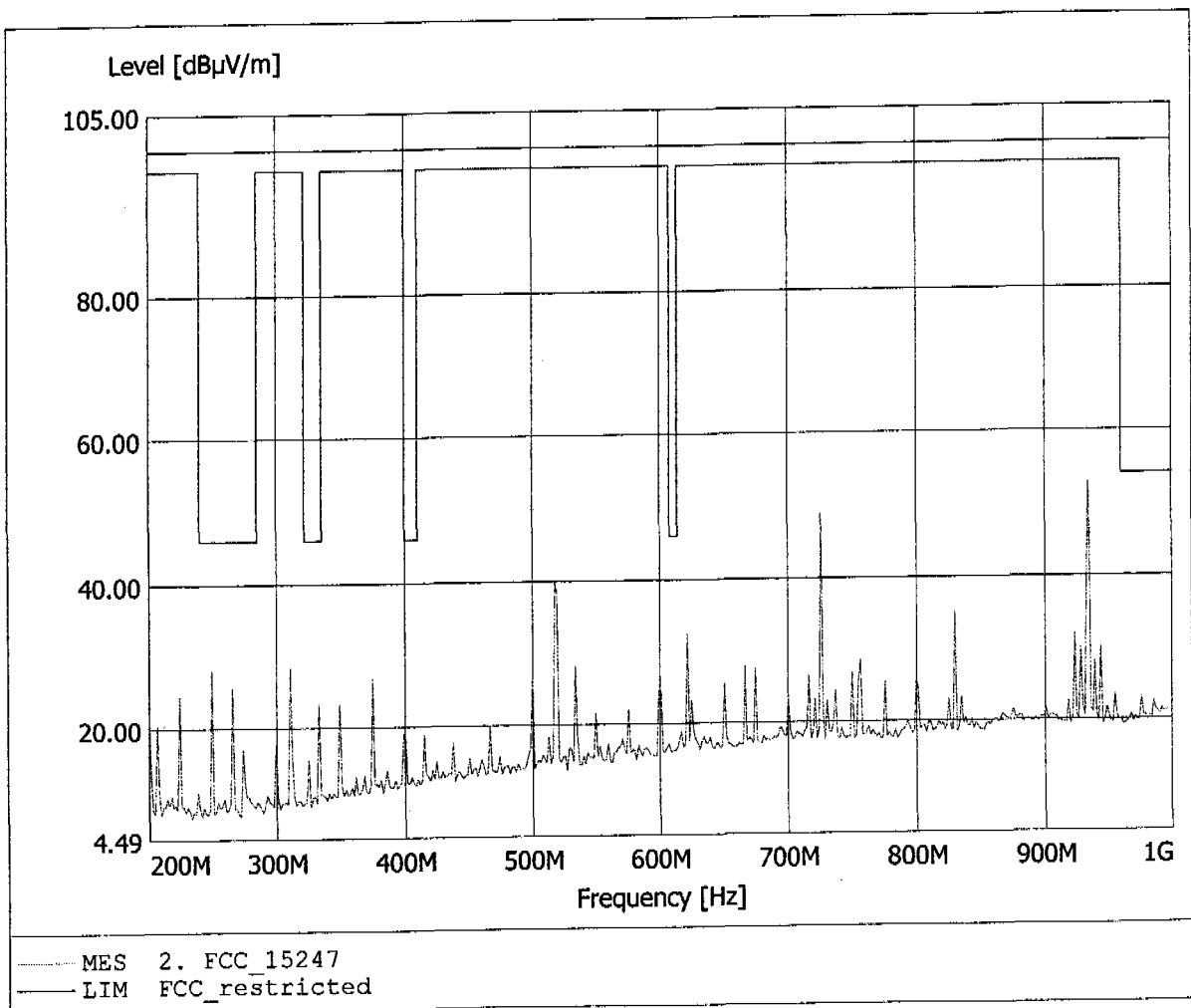
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V 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: 133.226MHz, Emax: 33.69dBuV/m, RBW: 100kHz



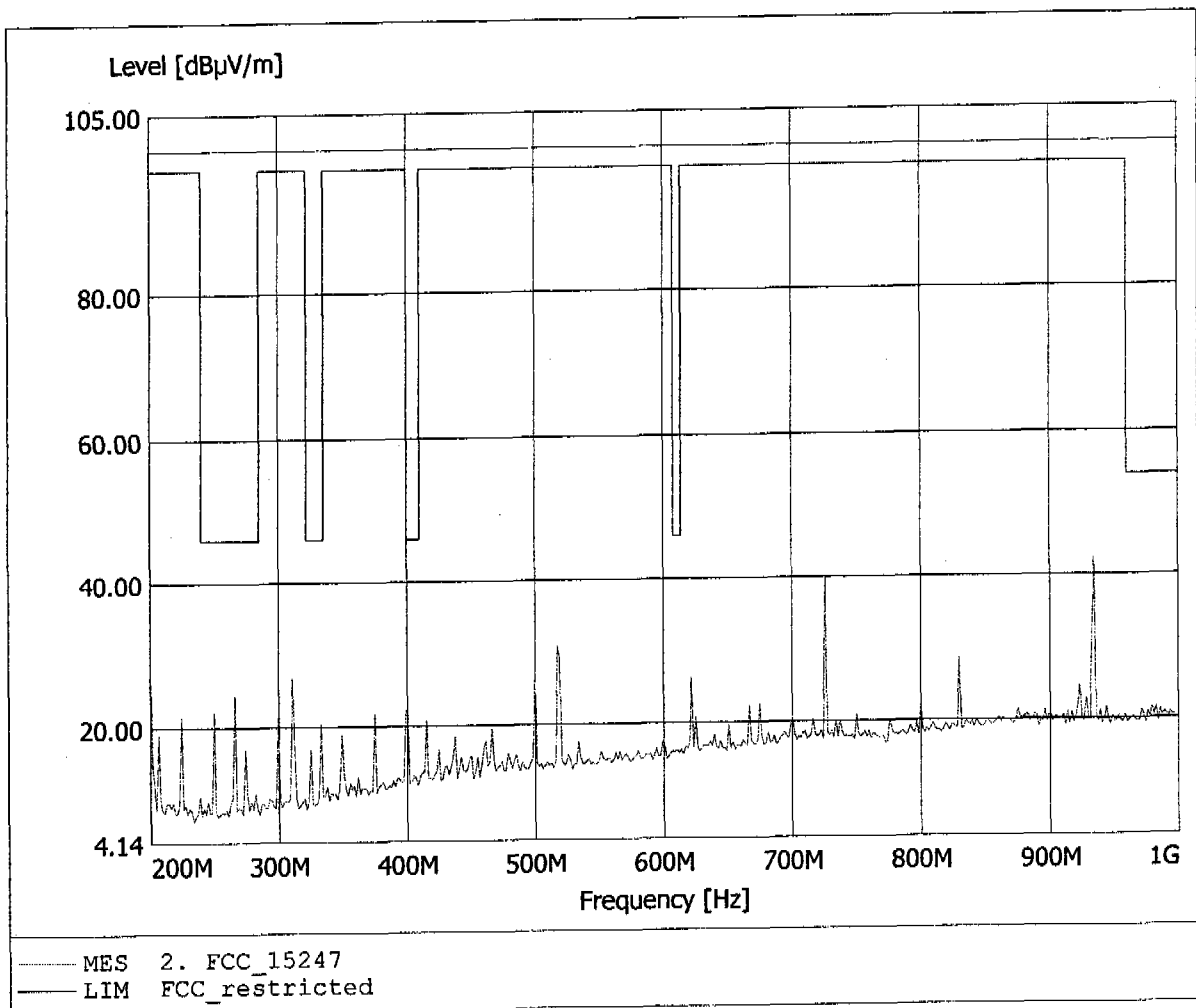
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 934.269MHz, Emax: 52.71dBuV/m, RBW: 100kHz



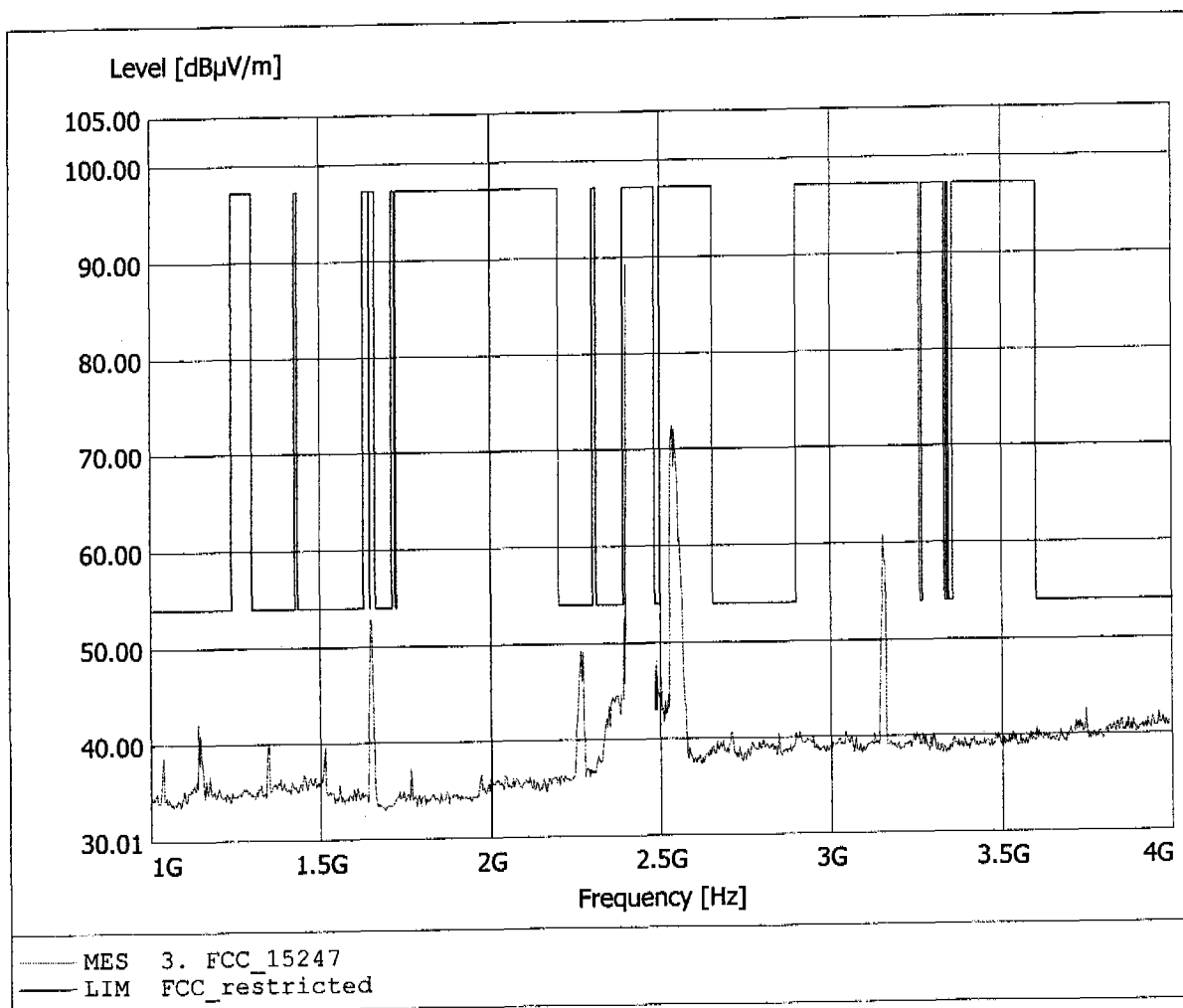
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 934.269MHz, Emax: 42.39dBµV/m, RBW: 100kHz



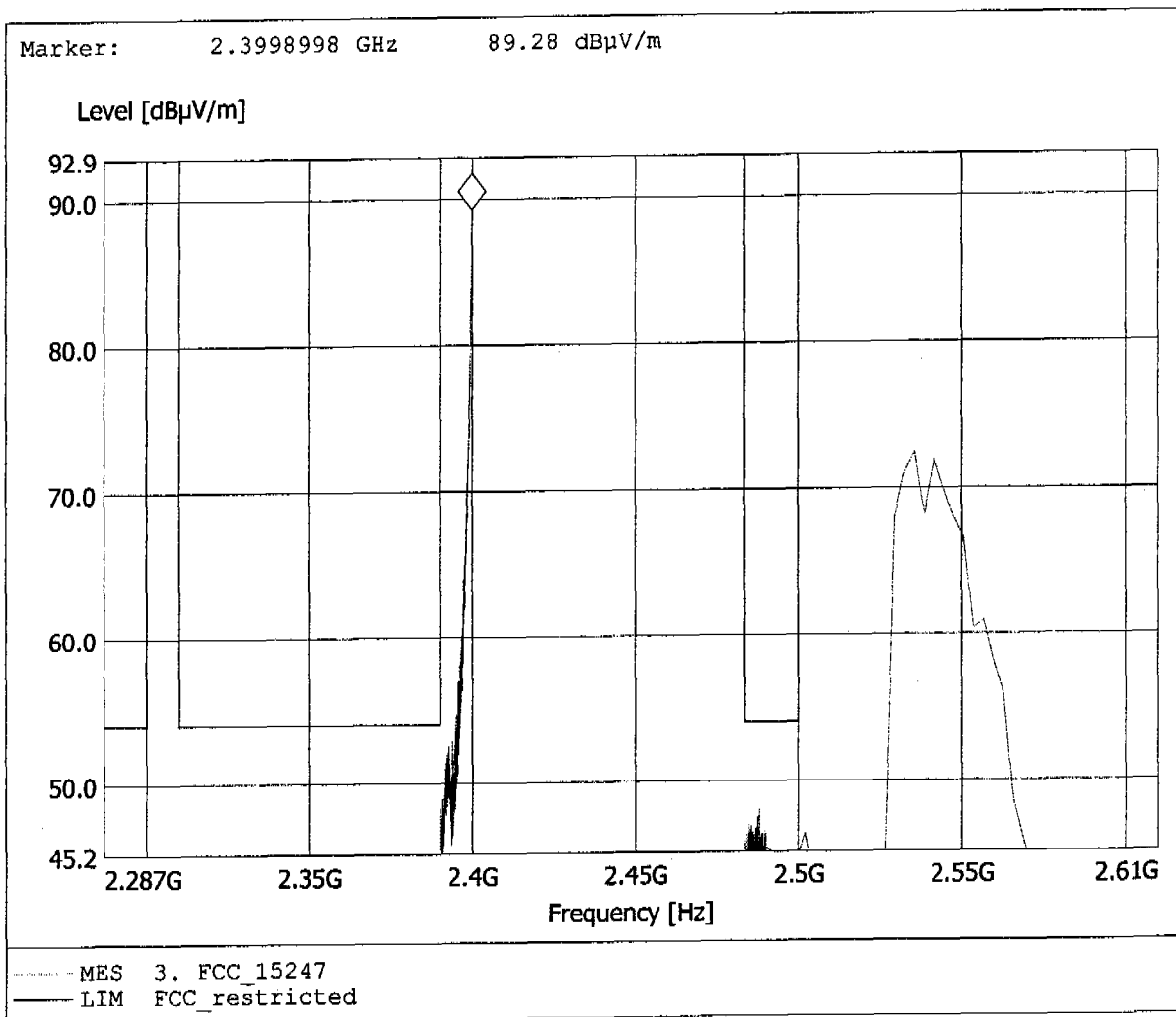
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 89.28dBµV/m, RBW: 1MHz



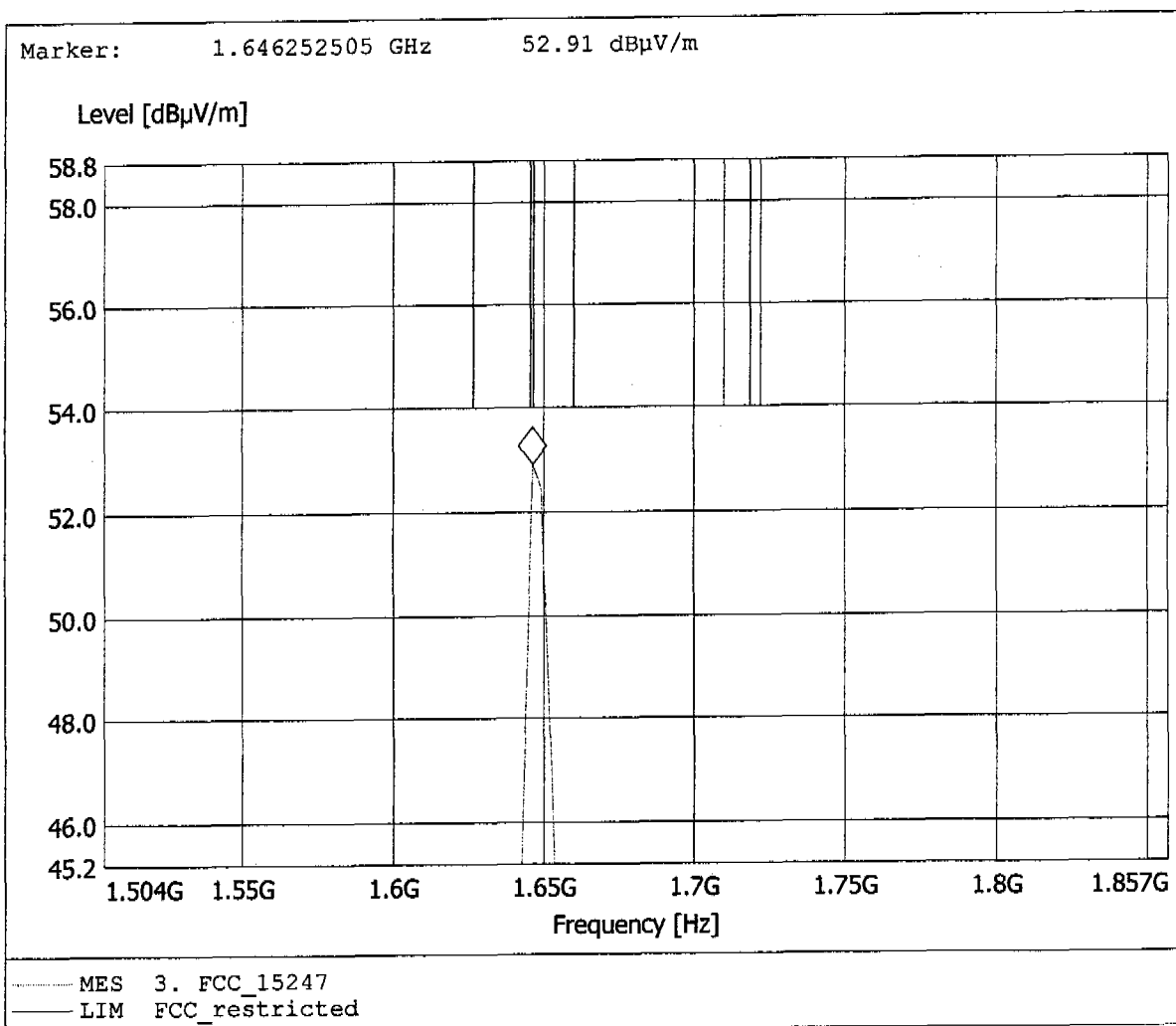
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 89.28dBuV/m, RBW: 1MHz



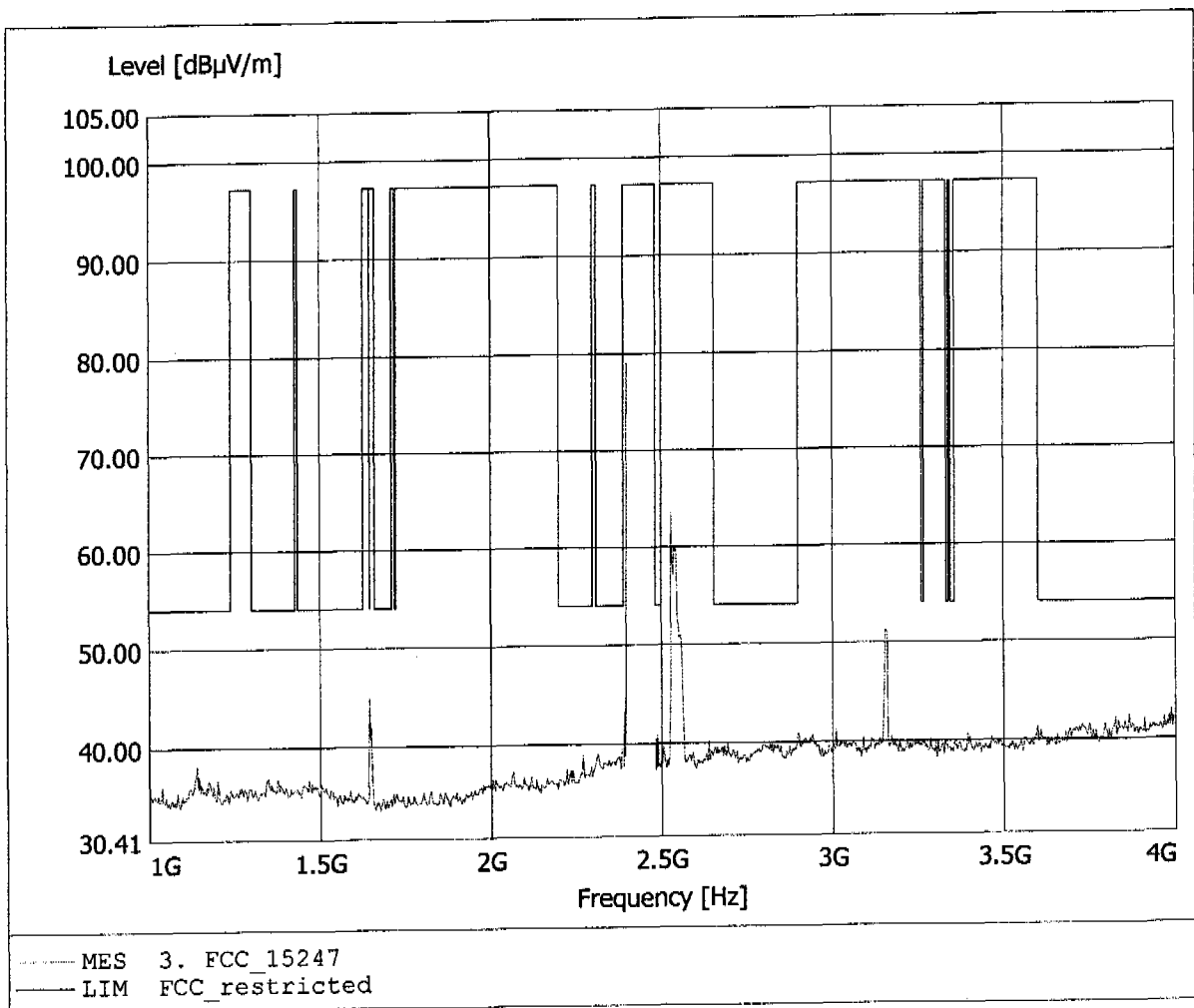
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 89.28dBµV/m, RBW: 1MHz



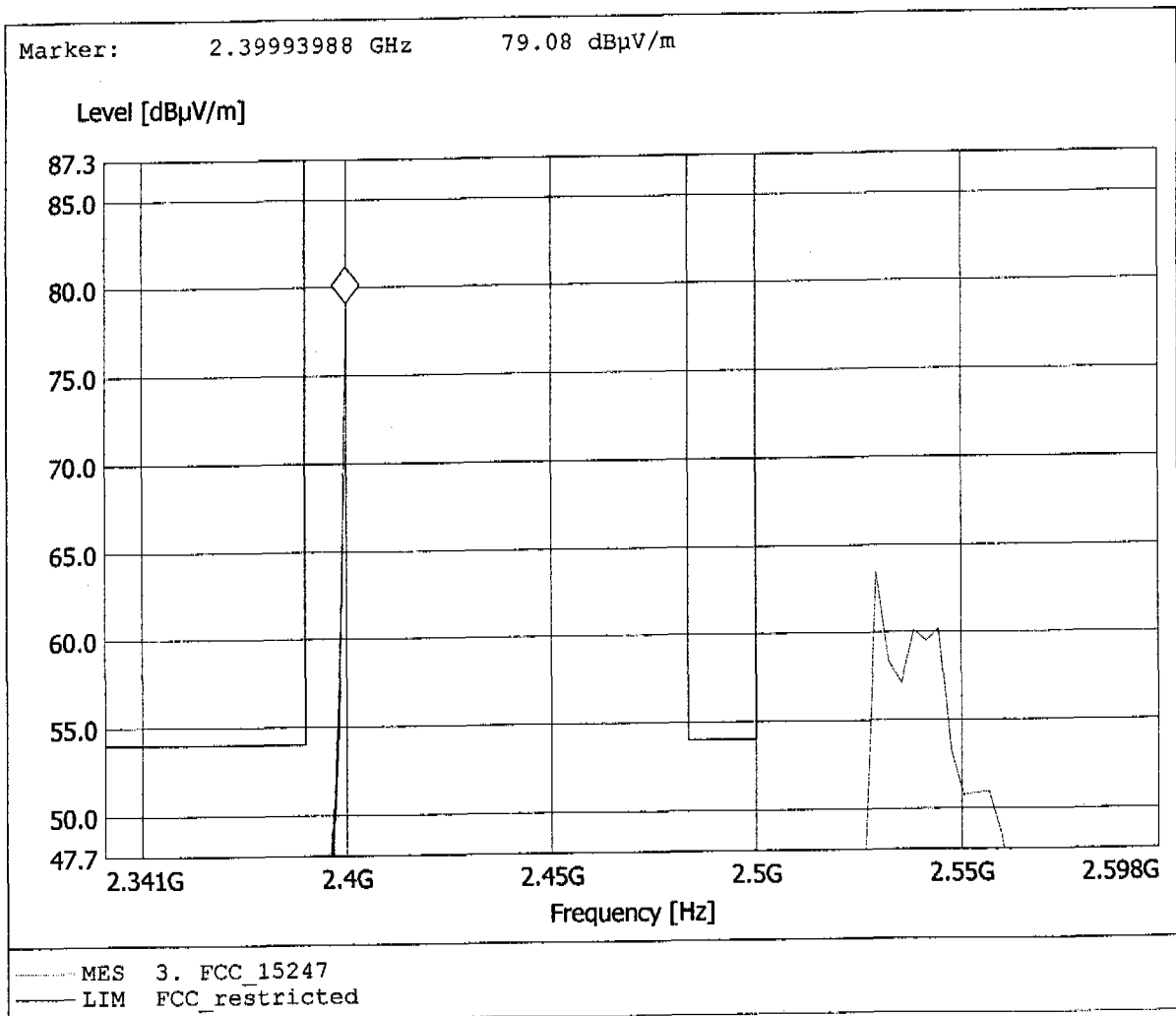
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 79.08dBµV/m, RBW: 1MHz



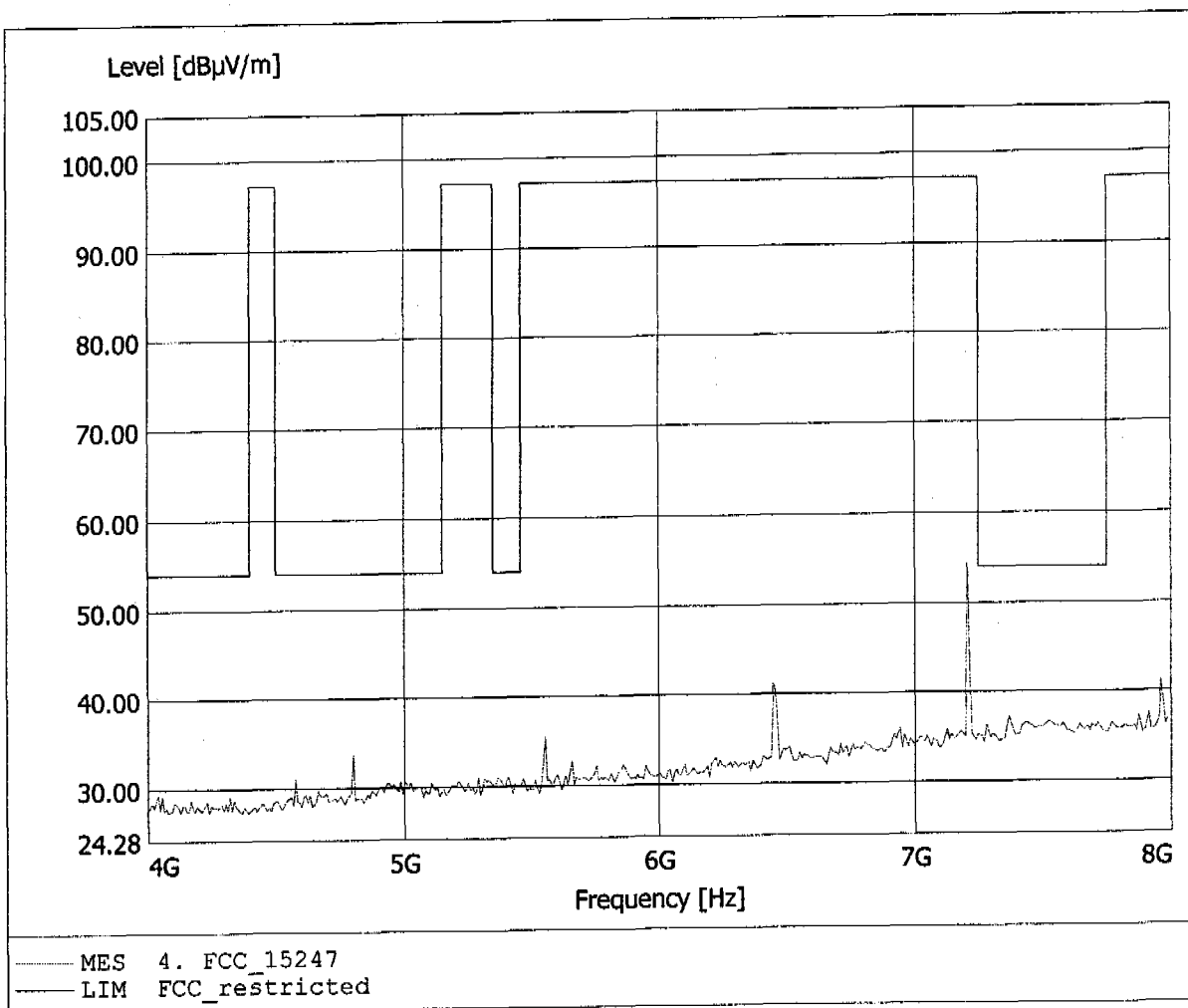
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
 Model: IP600-ISM / Ant.: 2 / Ch.: 0
 Approval Holder: KIRK telecom A/S
 Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
 Comment 2: Freq: 2.400GHz, Emax: 79.08dBµV/m, RBW: 1MHz



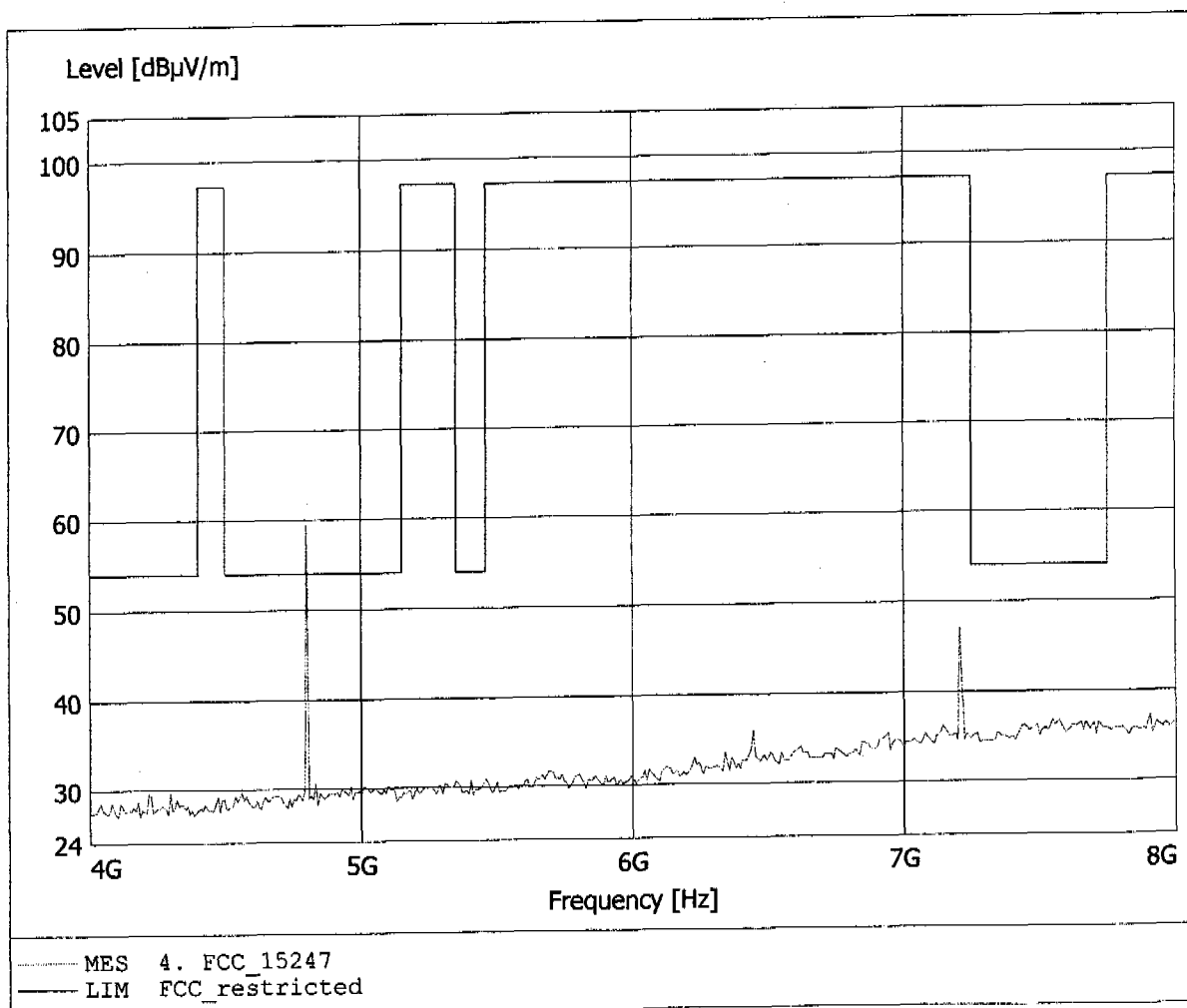
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.206GHz, Emax: 54.43dBµV/m, RBW: 1MHz



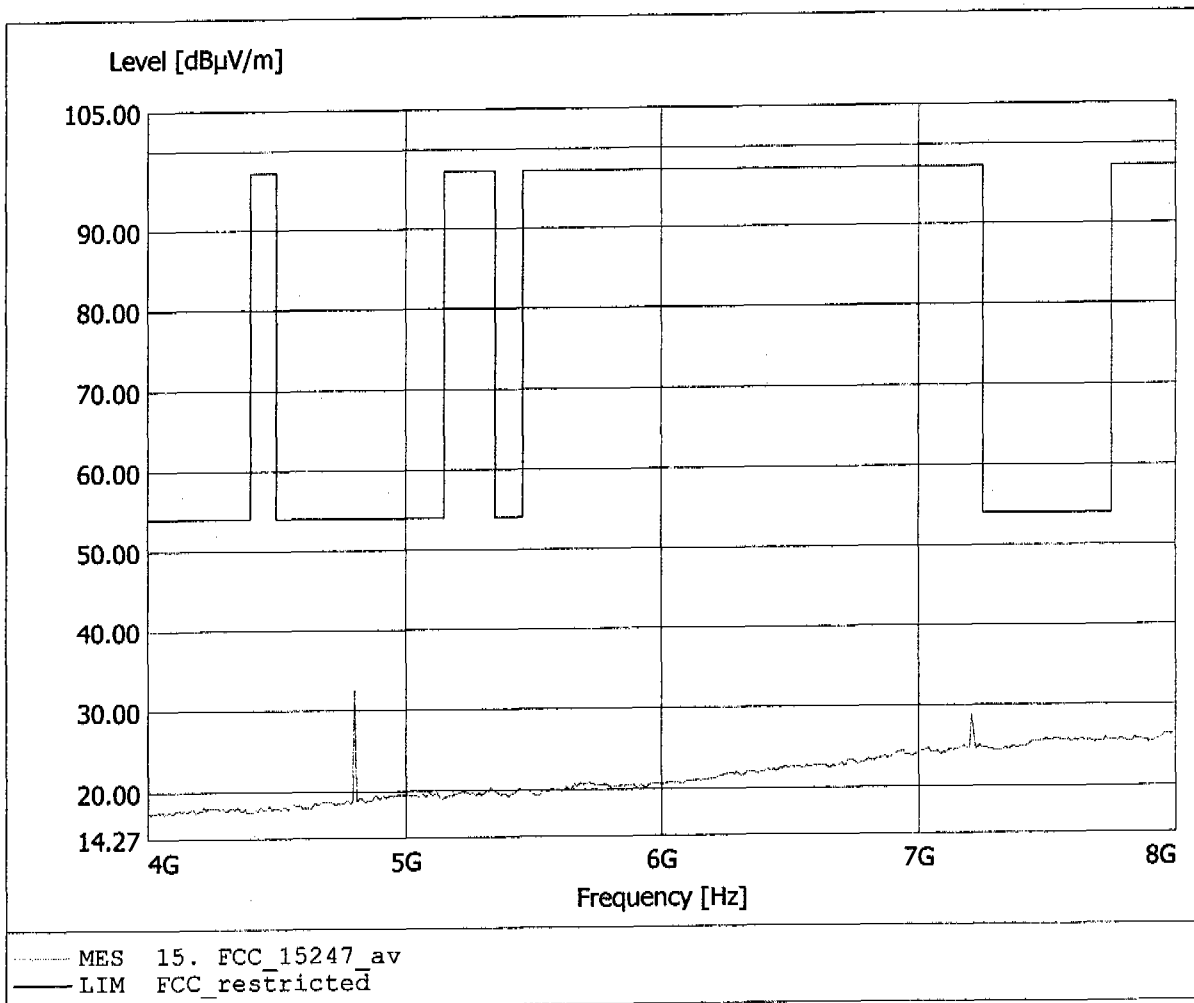
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 59.56dBuV/m, RBW: 1MHz



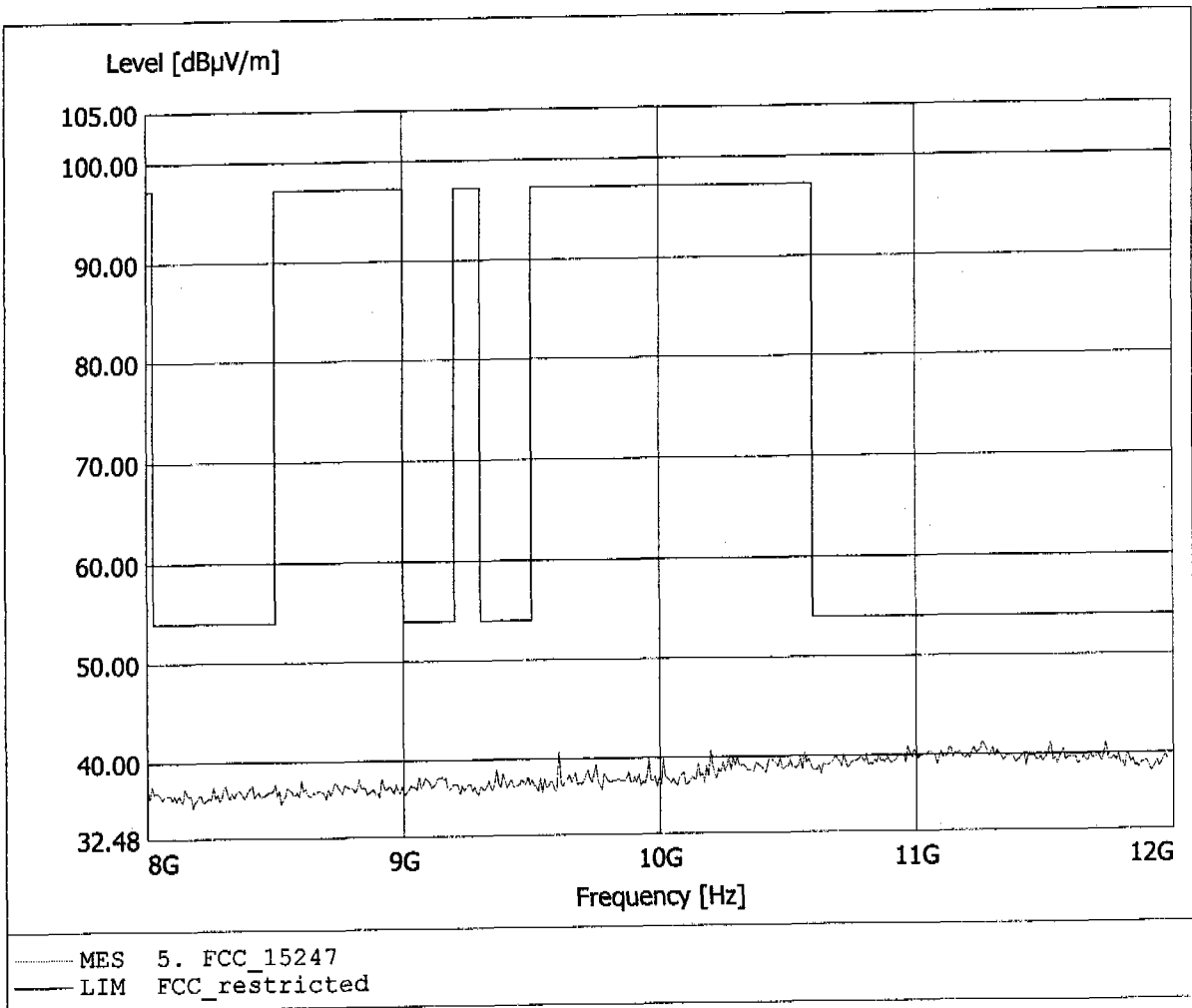
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 32.47dBuV/m, RBW: 1MHz



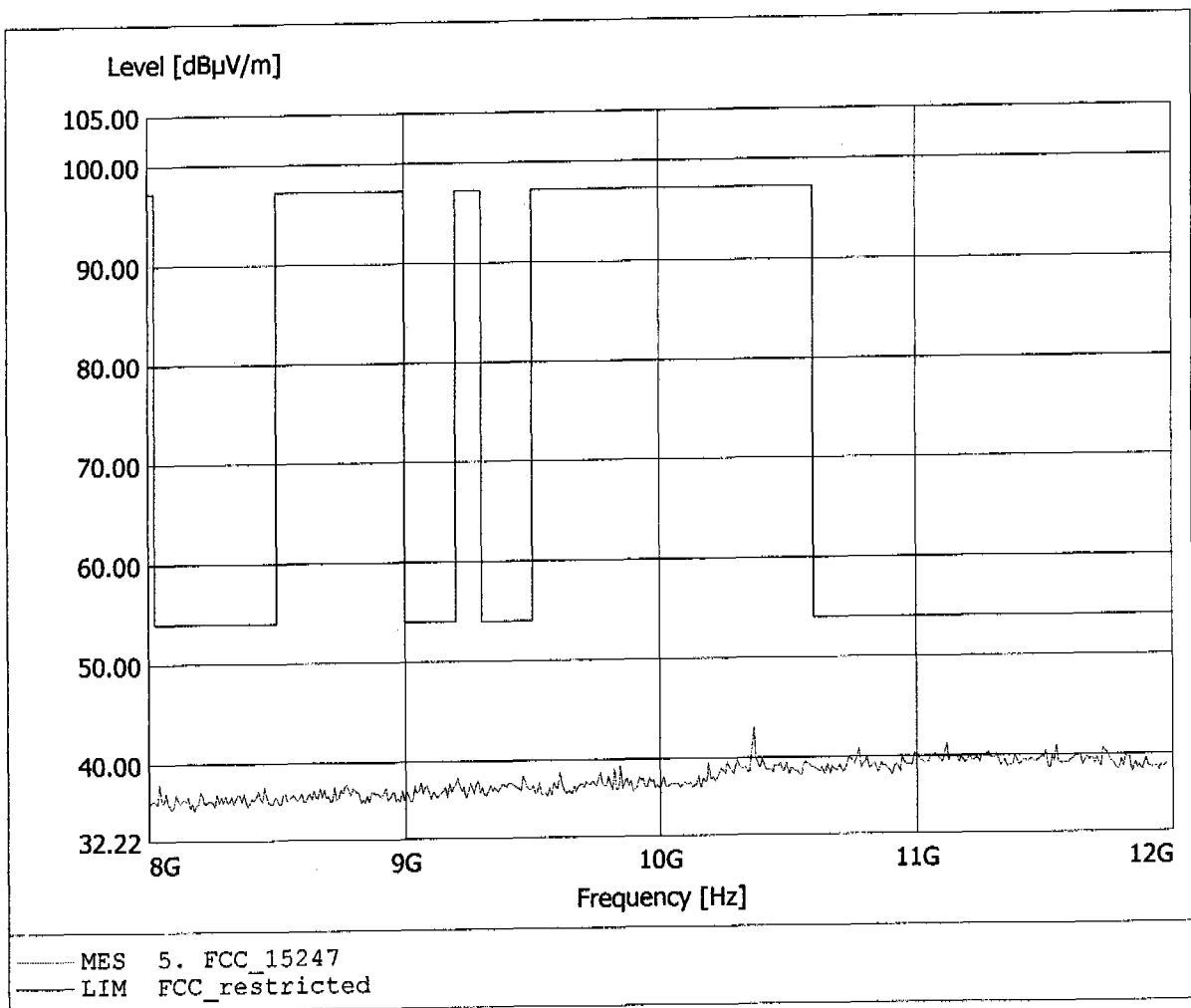
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
 Model: IP600-ISM / Ant.: 2 / Ch.: 0
 Approval Holder: KIRK telecom A/S
 Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 11.519GHz, Emax: 41.15dBµV/m, RBW: 1MHz



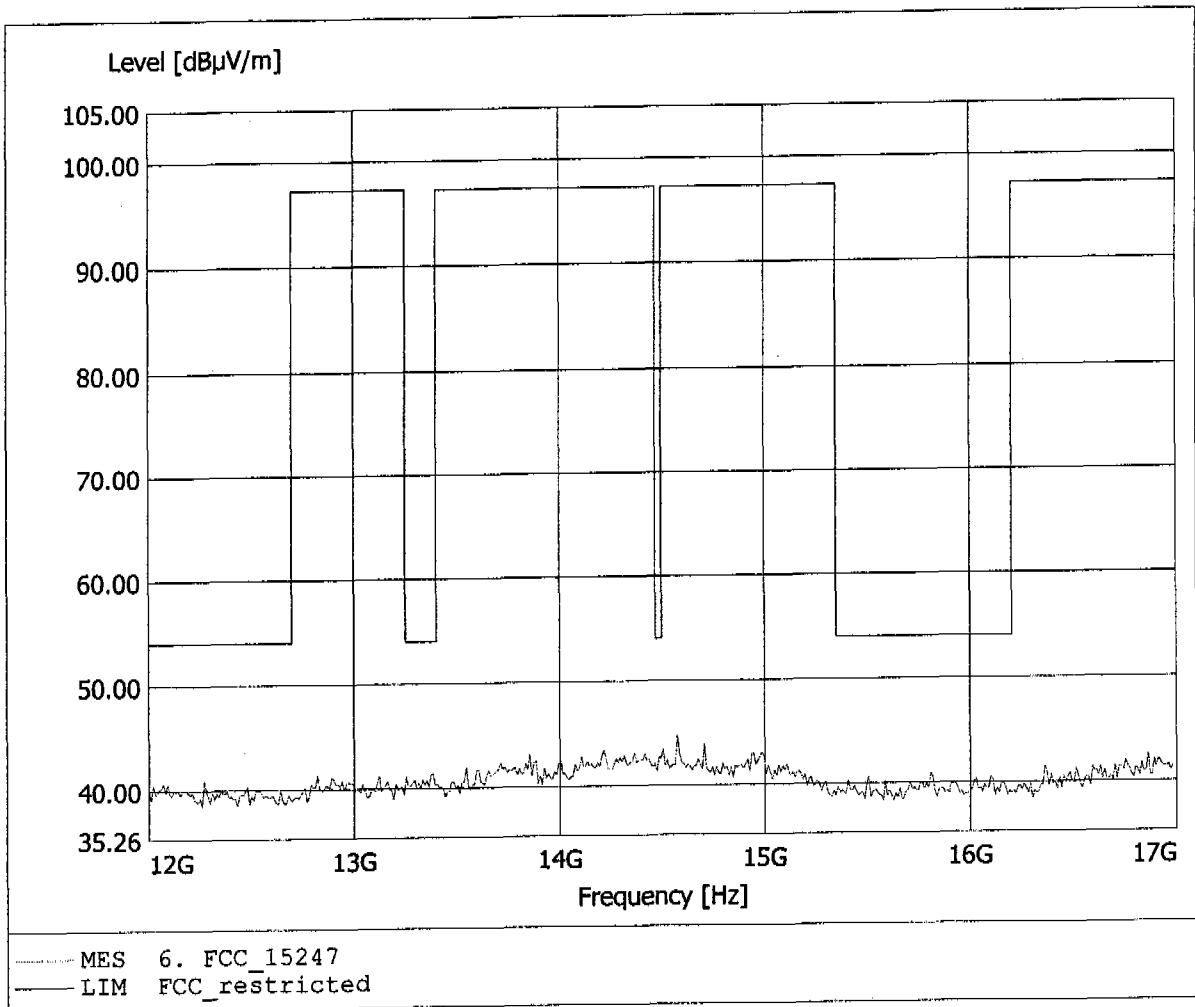
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.365GHz, Emax: 43.03dBµV/m, RBW: 1MHz



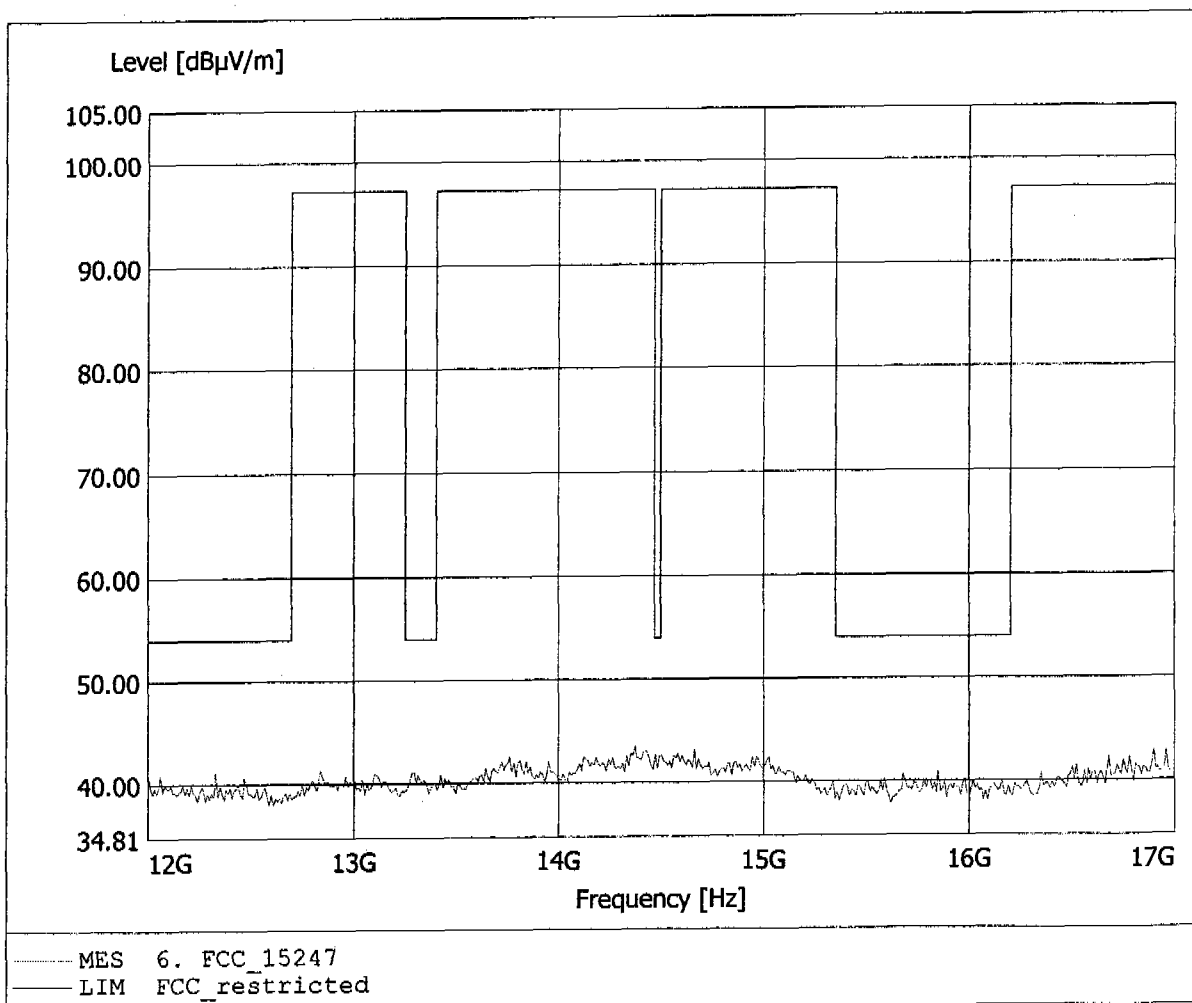
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.575GHz, Emax: 44.86dBµV/m, RBW: 1MHz



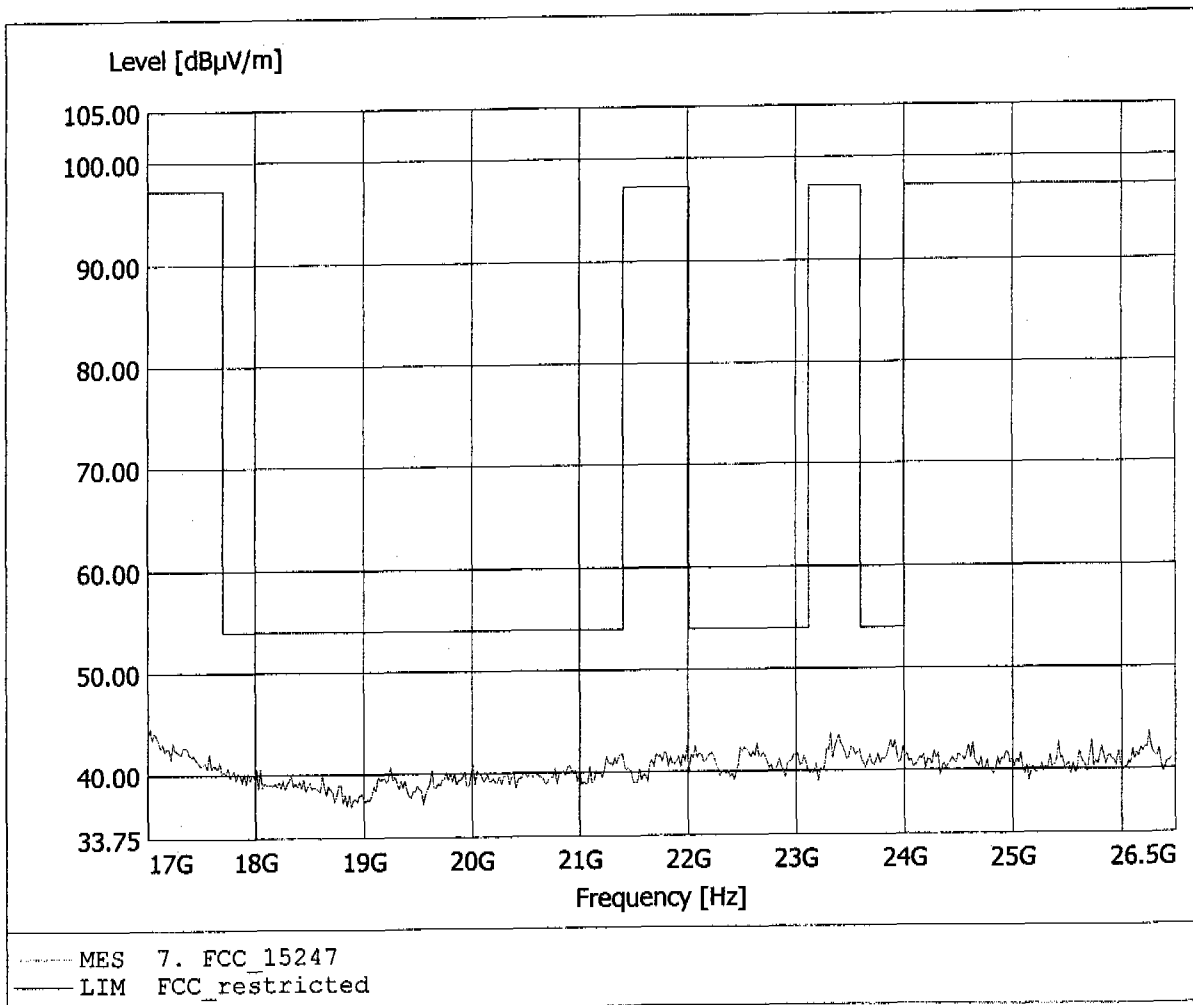
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.375GHz, Emax: 43.51dBuV/m, RBW: 1MHz



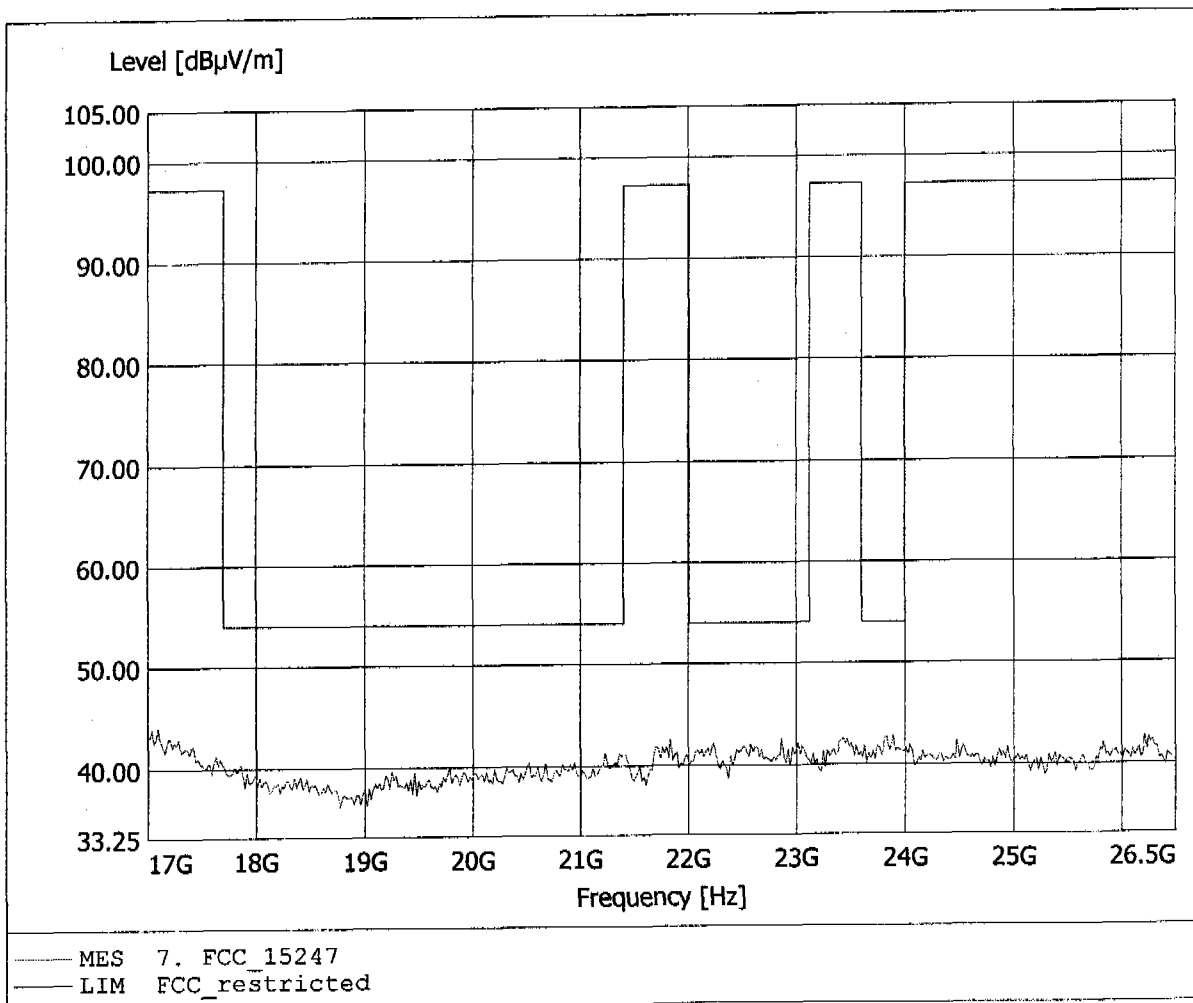
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 0
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
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



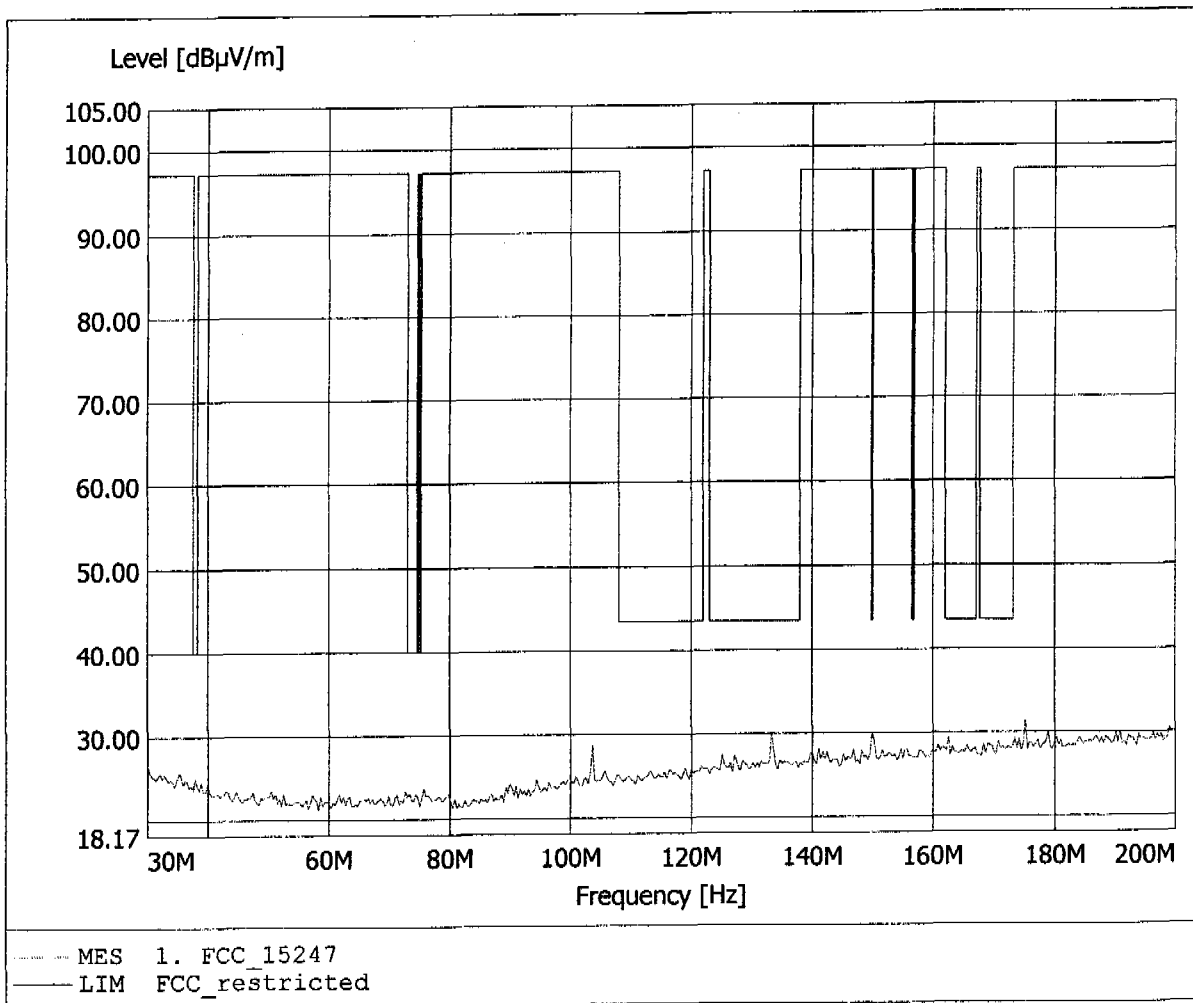
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
 Model: IP600-ISM / Ant.: 2 / Ch.: 0
 Approval Holder: KIRK telecom A/S
 Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: HL025, amplif.
 Comment 2: Freq: 17.095GHz, Emax: 44.03dBµV/m, RBW: 1MHz



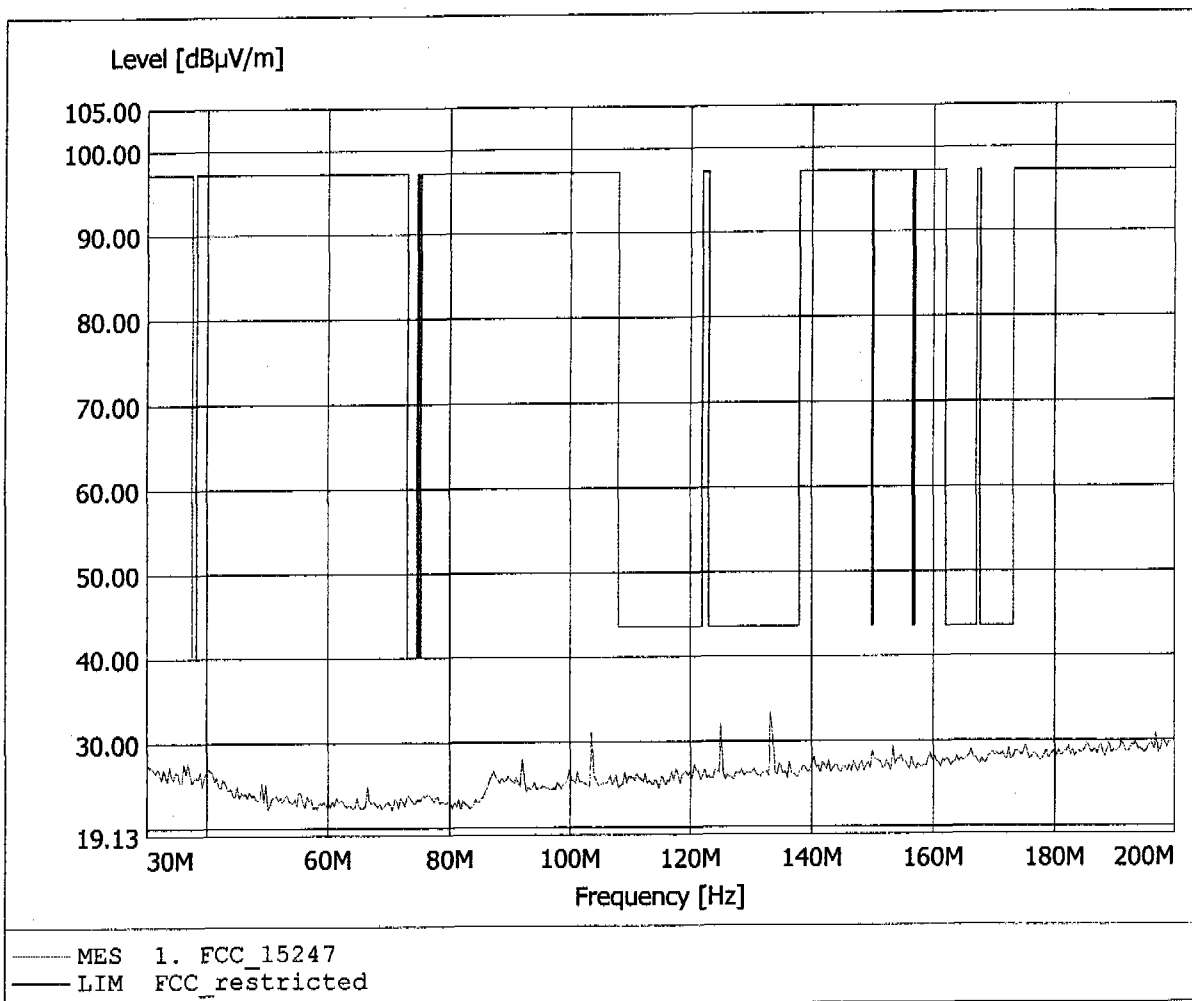
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V 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: 175.130MHz, Emax: 31.45dBµV/m, RBW: 100kHz



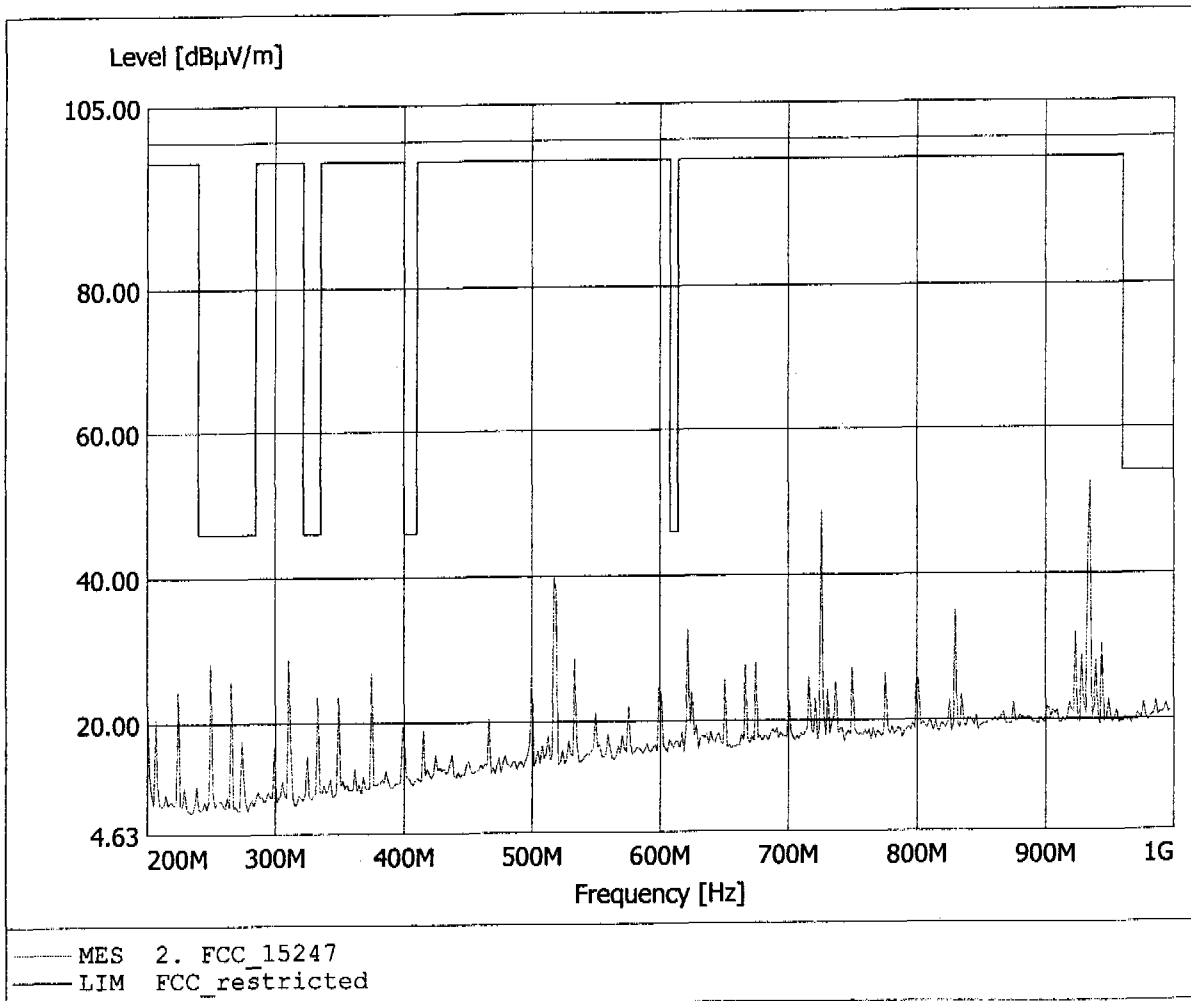
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V 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: 133.226MHz, Emax: 33.37dBµV/m, RBW: 100kHz



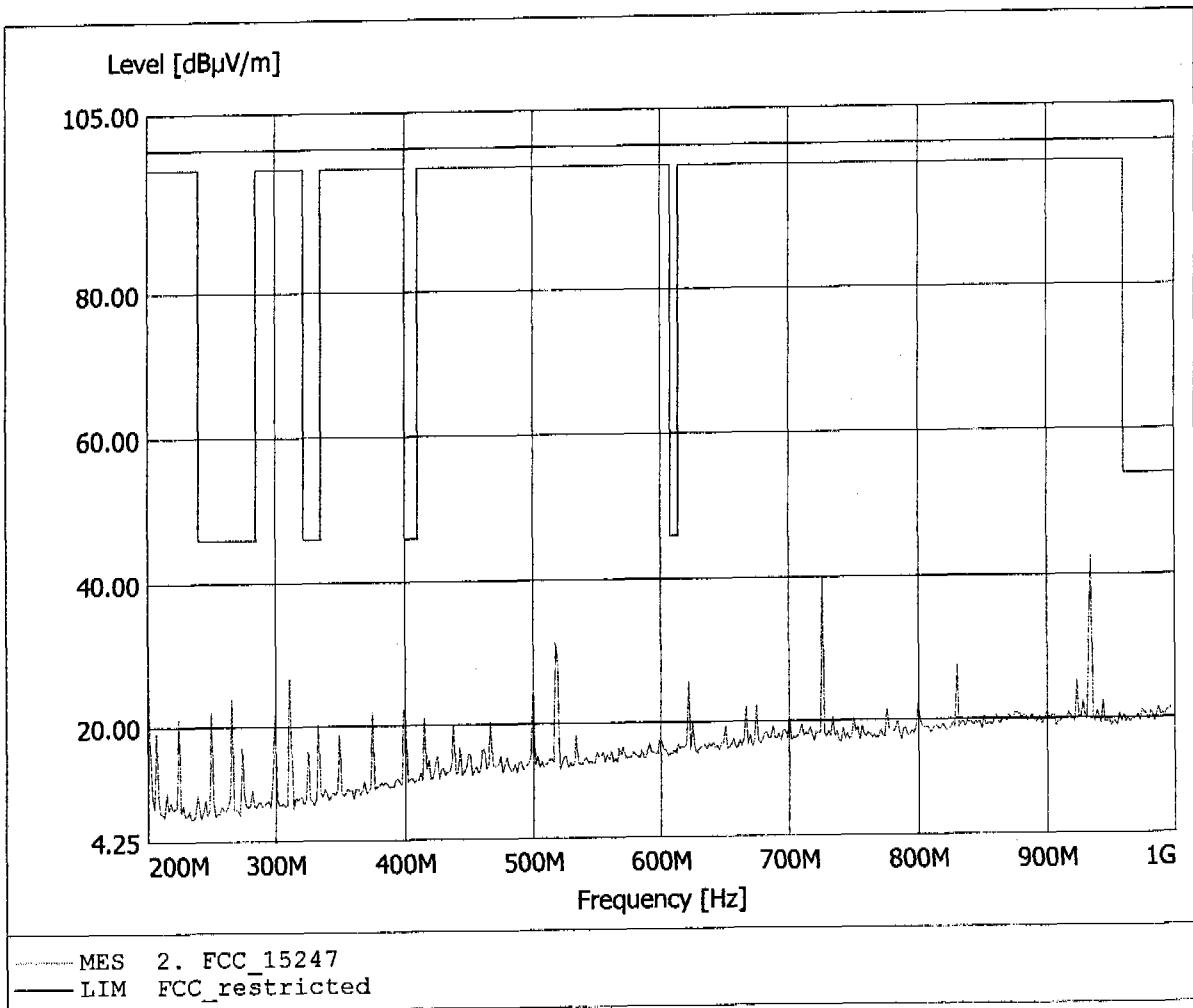
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 934.269MHz, Emax: 52.60dBµV/m, RBW: 100kHz



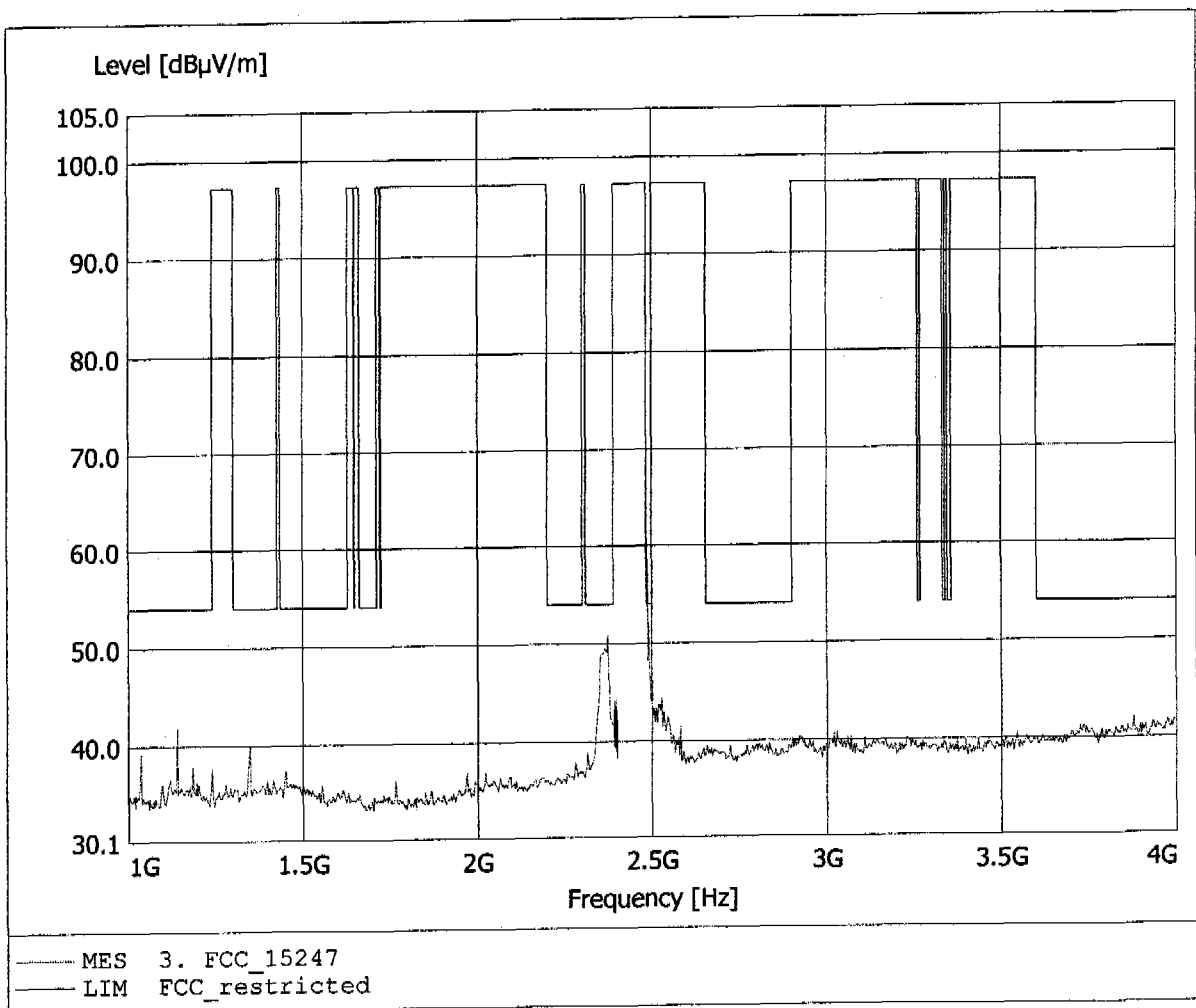
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 934.269MHz, Emax: 42.48dBµV/m, RBW: 100kHz



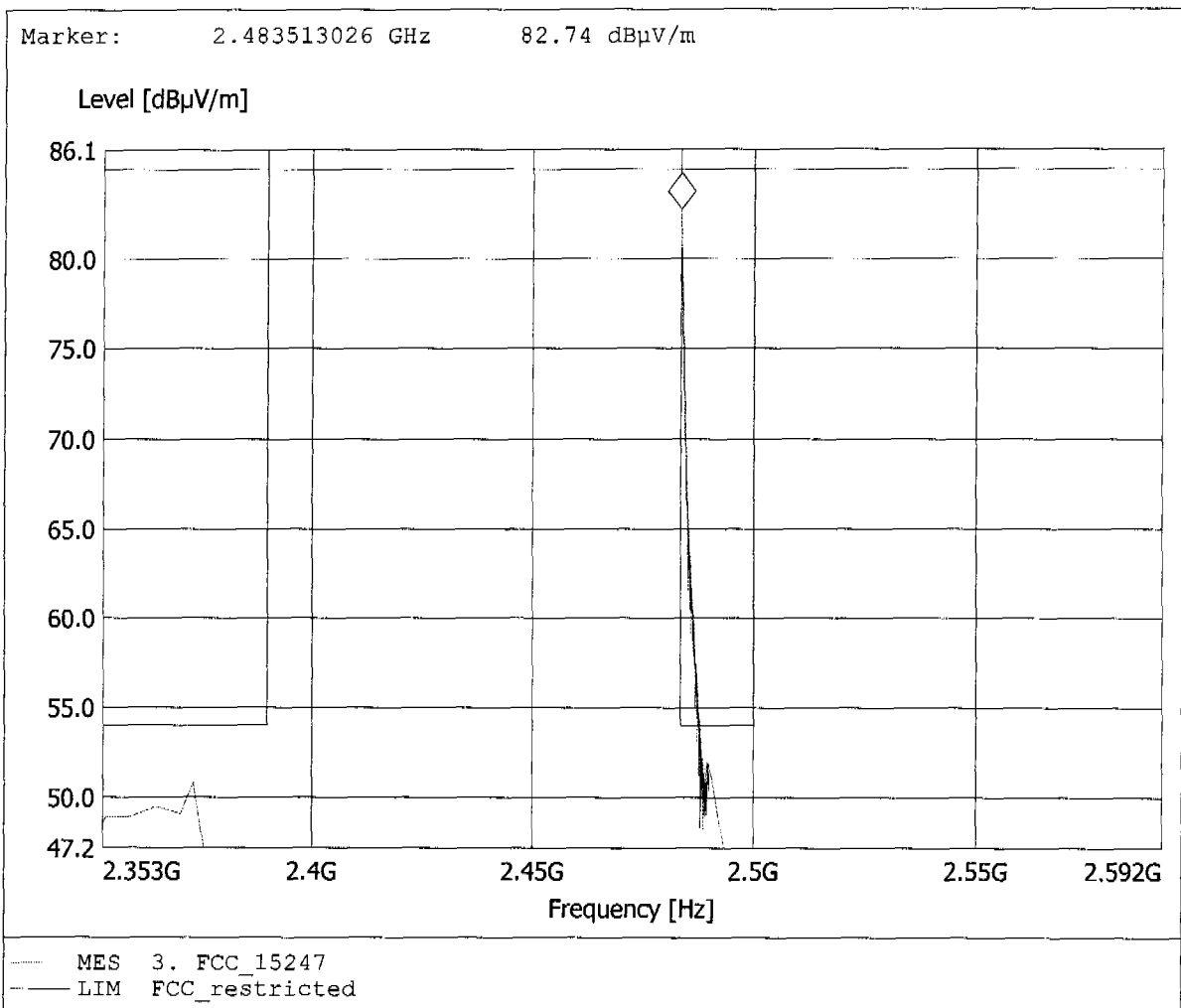
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 82.74dBµV/m, RBW: 1MHz



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

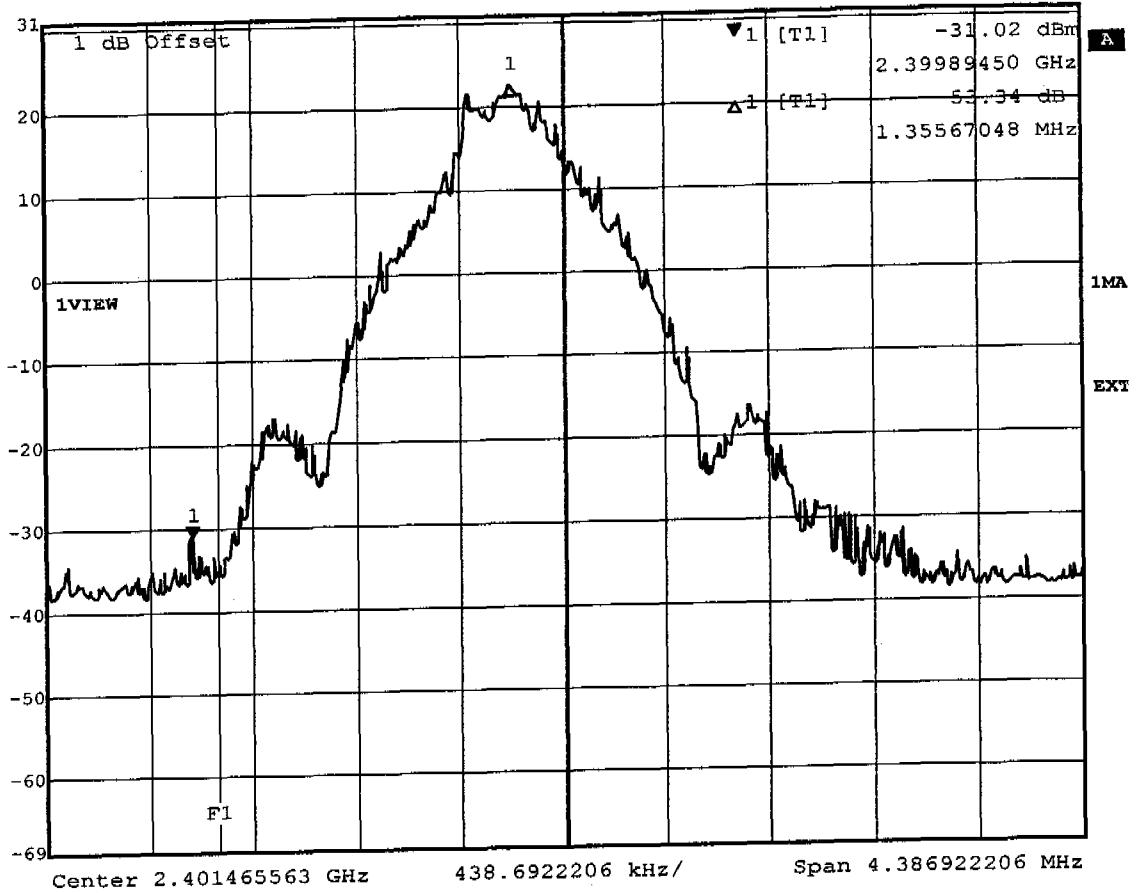
EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 82.74dBµV/m, RBW: 1MHz



DA 00-705 Marker-Delta Method:
The value measured with average detector may be reduced by the "delta" value according to Marker-delta Method.
Please see next page for Marker-Delta plot.



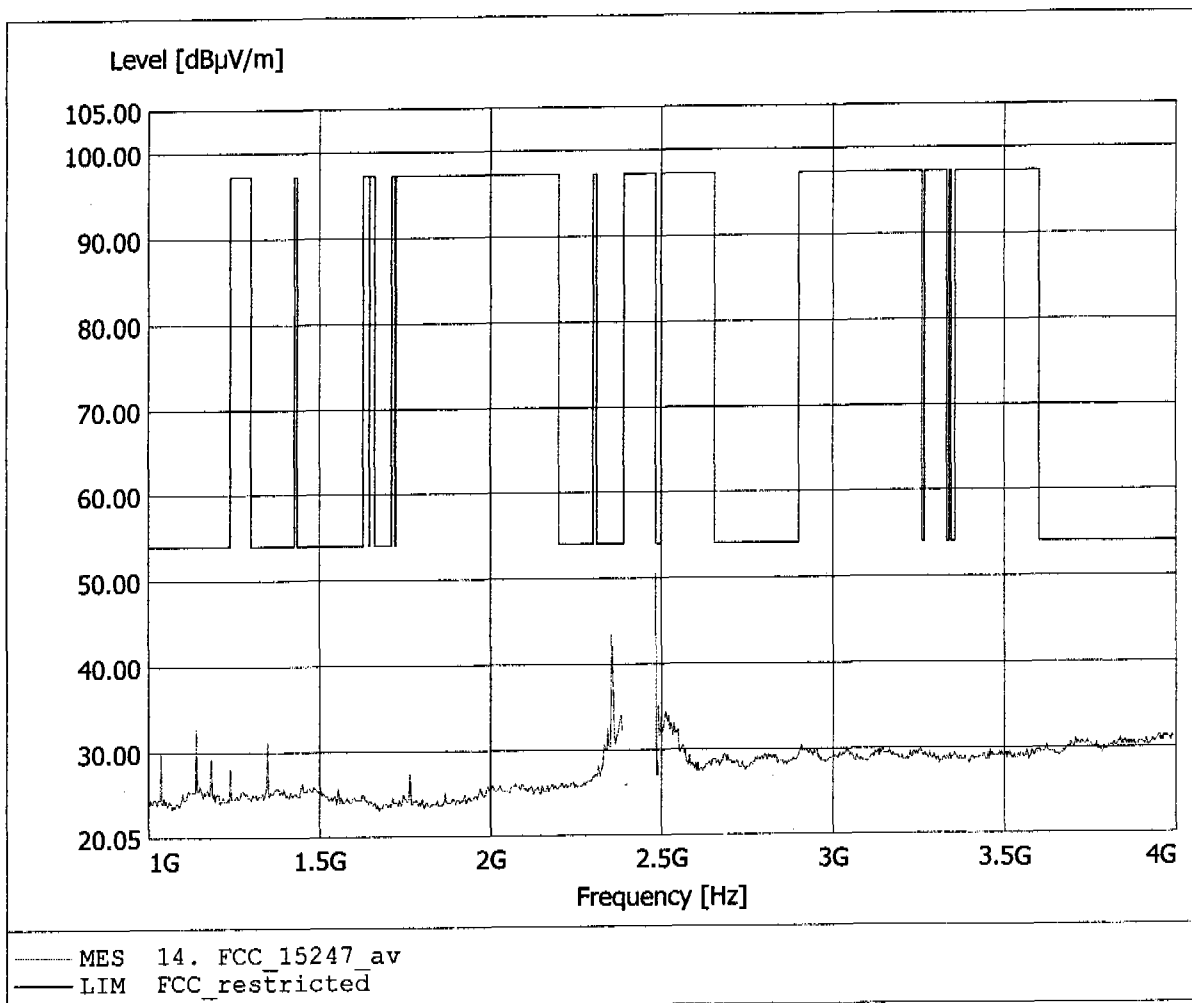
Marker 1 [T1] RBW 30 kHz RF Att 60 dB
Ref Lvl -31.02 dBm VBW 30 kHz
31 dBm 2.39989450 GHz SWT 12.5 ms Unit dBm



Title: Marker-Delta Method
Comment A: IP600-ISM
Date: 16.OCT.2003 14:39:19

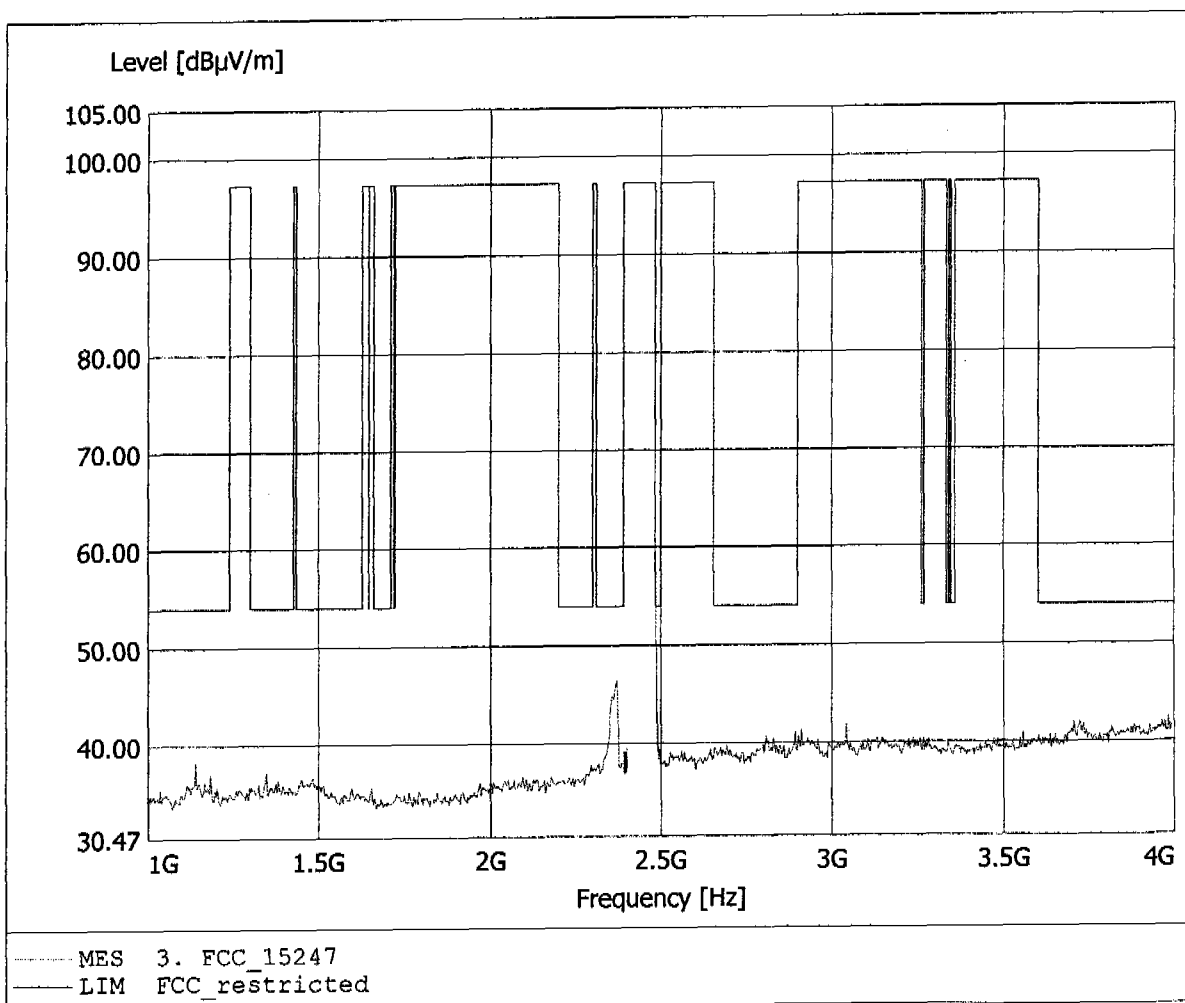
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 50.58dBµV/m, RBW: 1MHz



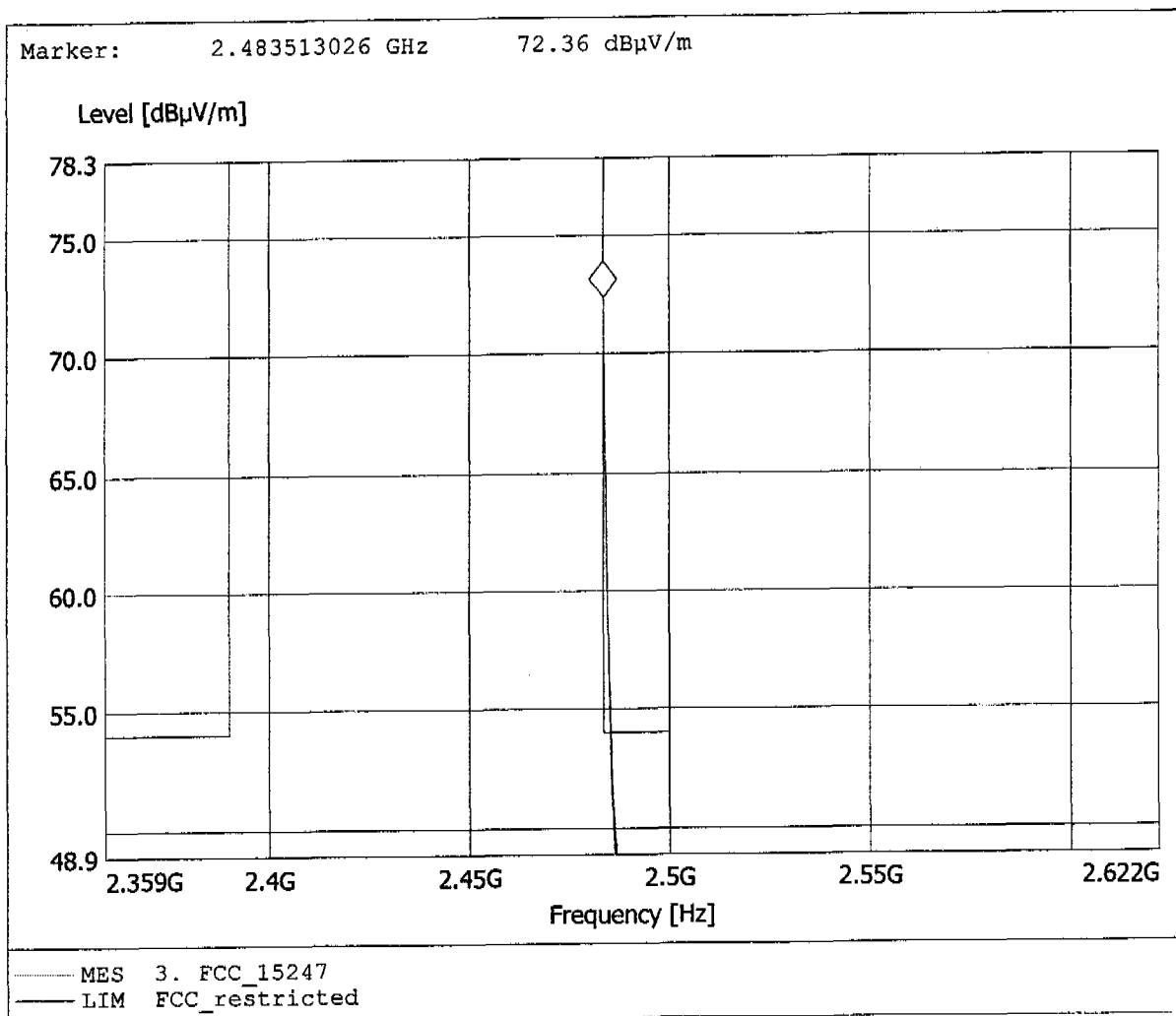
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 72.36dBµV/m, RBW: 1MHz



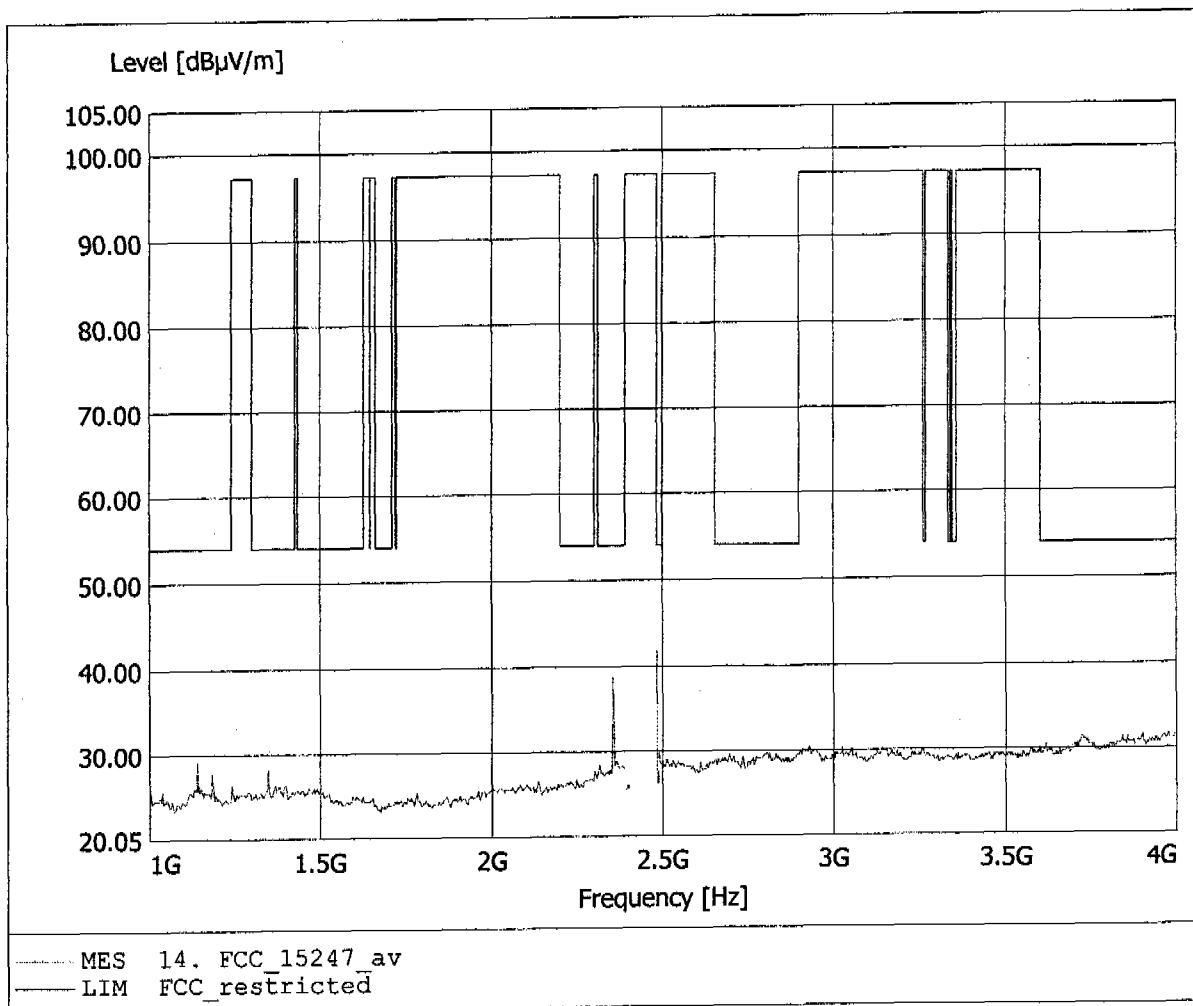
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 72.36dBµV/m, RBW: 1MHz



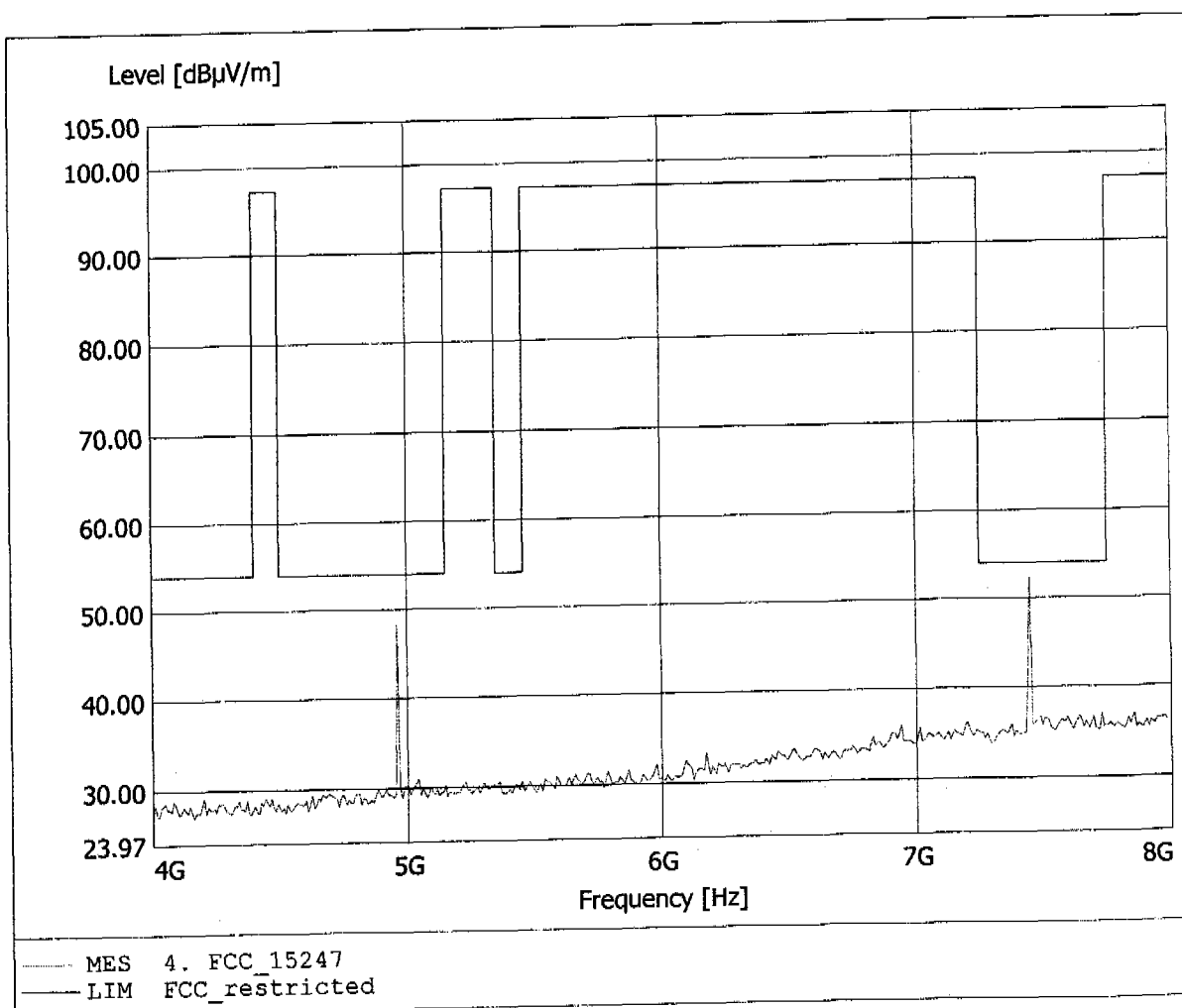
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 41.77dBµV/m, RBW: 1MHz



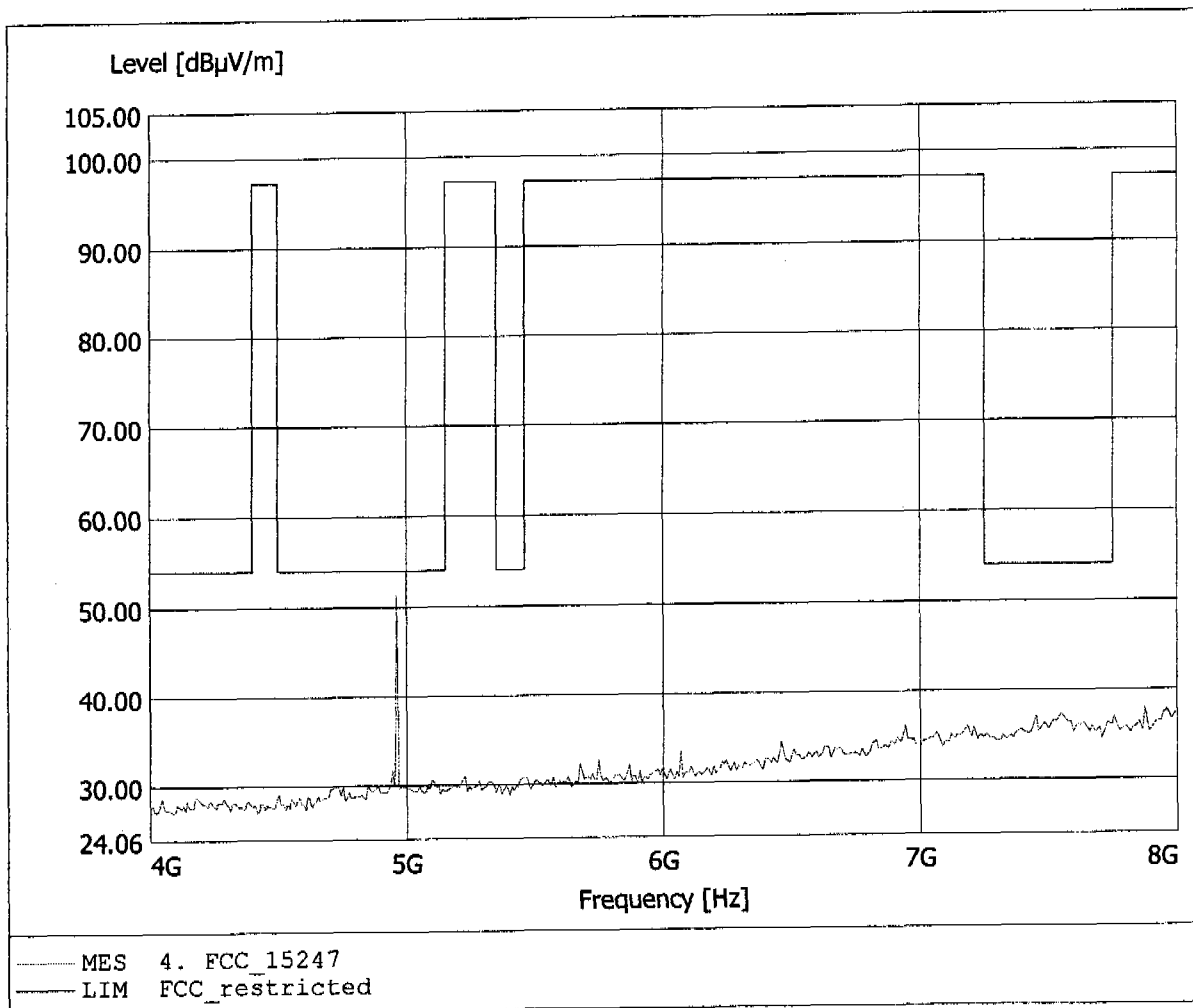
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.447GHz, Emax: 52.30dBµV/m, RBW: 1MHz



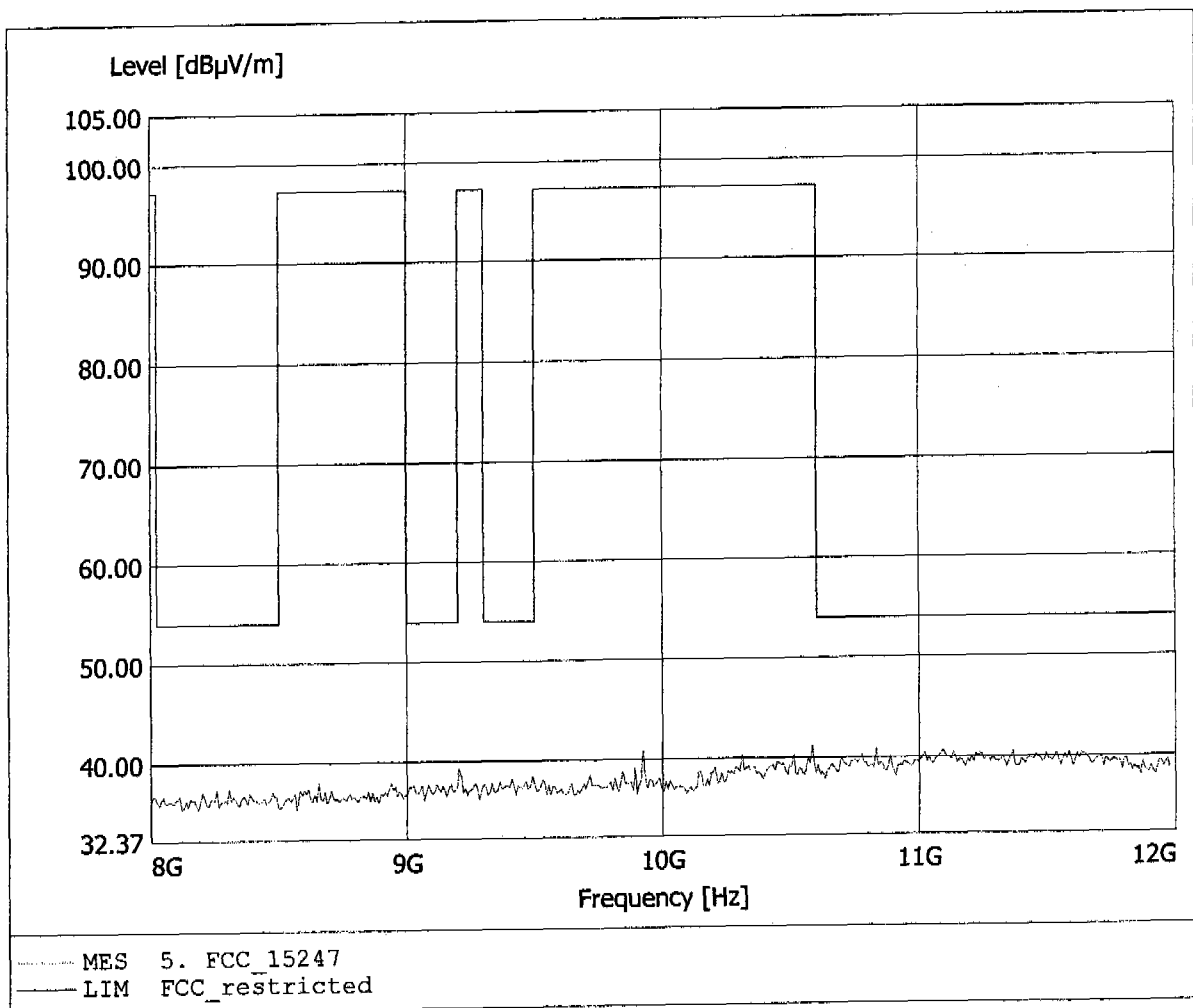
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
 Model: IP600-ISM / Ant.: 2 / Ch.: 78
 Approval Holder: KIRK telecom A/S
 Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 4.962GHz, Emax: 51.24dBµV/m, RBW: 1MHz



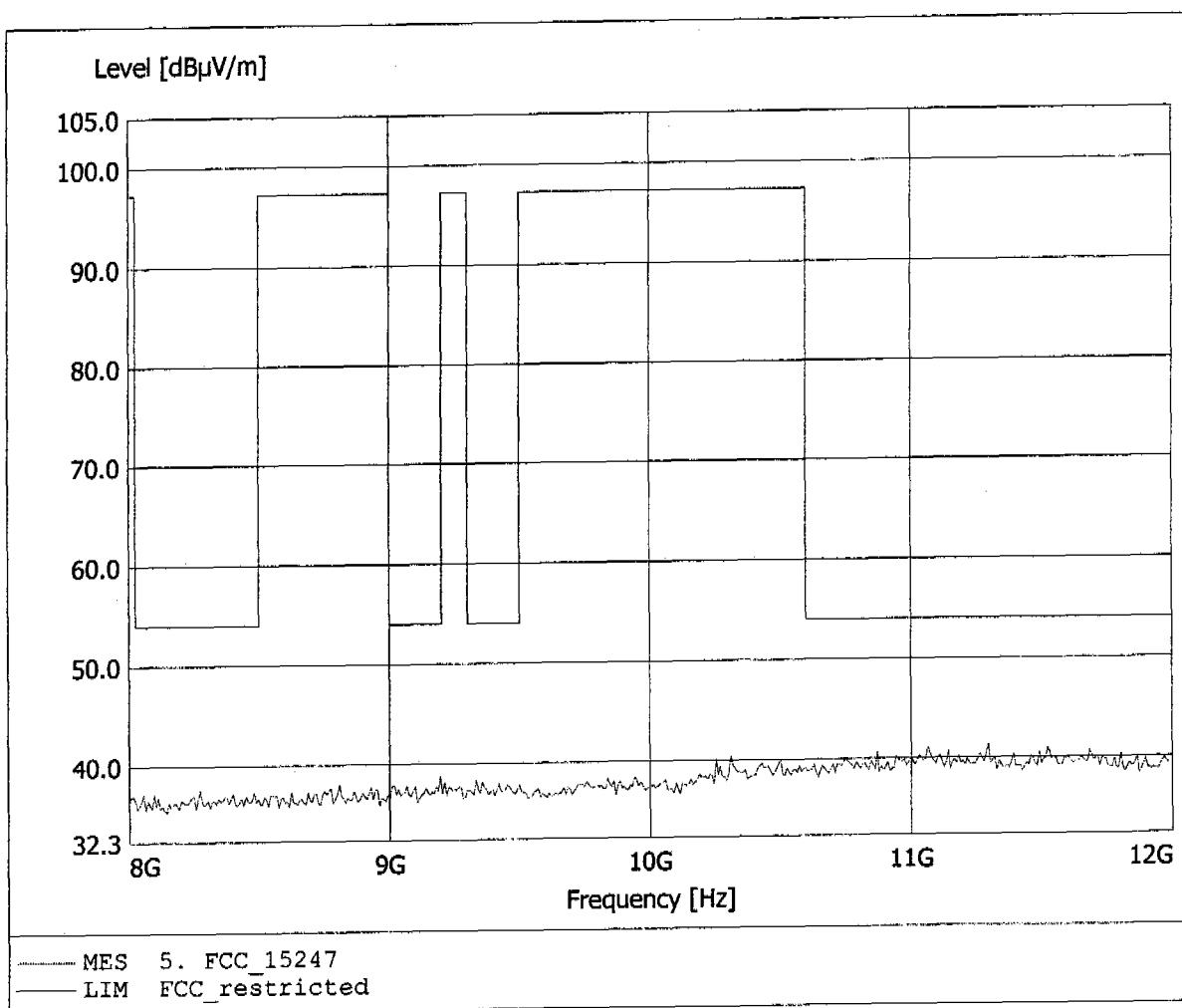
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.581GHz, Emax: 41.35dBµV/m, RBW: 1MHz



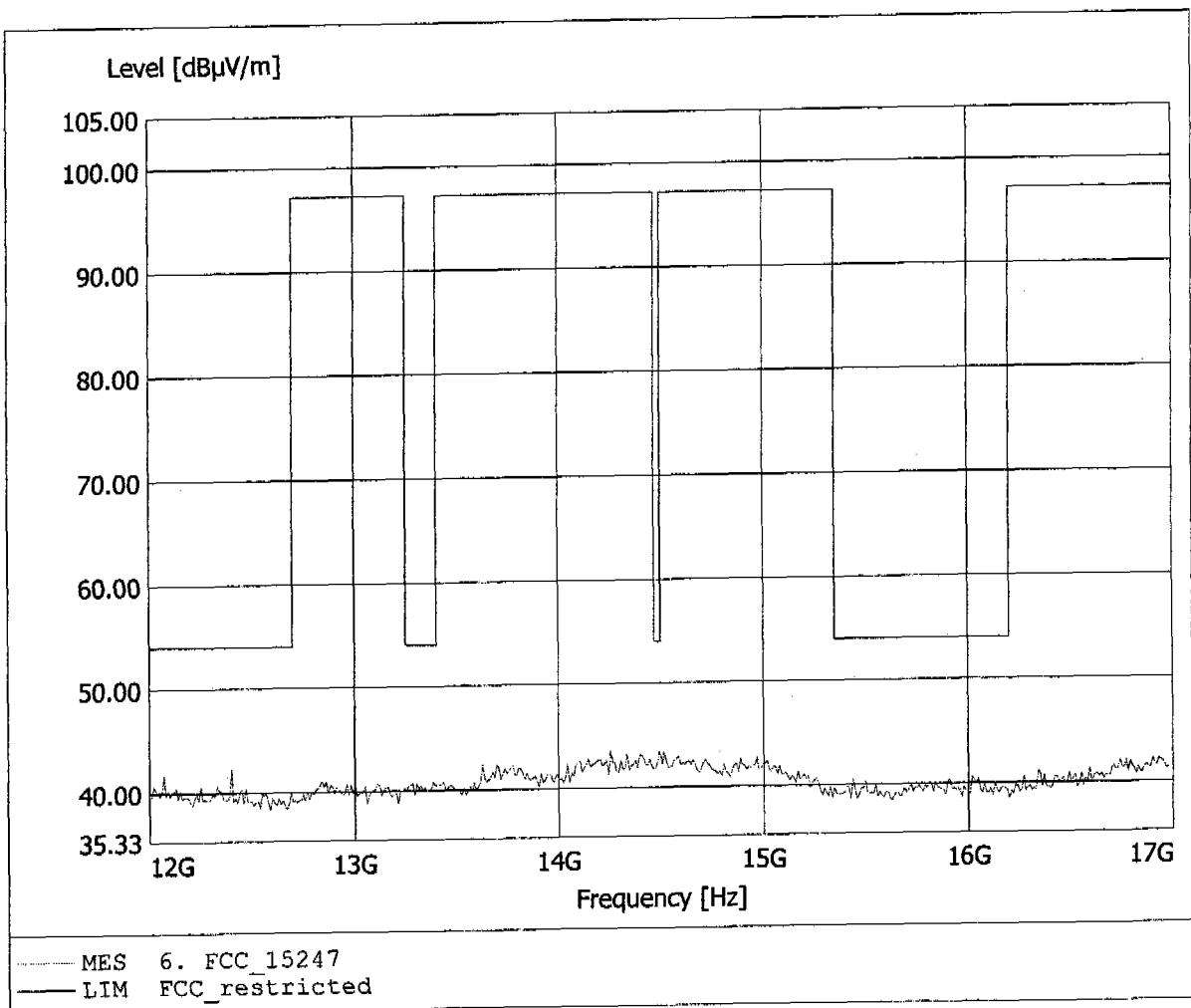
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.295GHz, Emax: 41.34dBµV/m, RBW: 1MHz



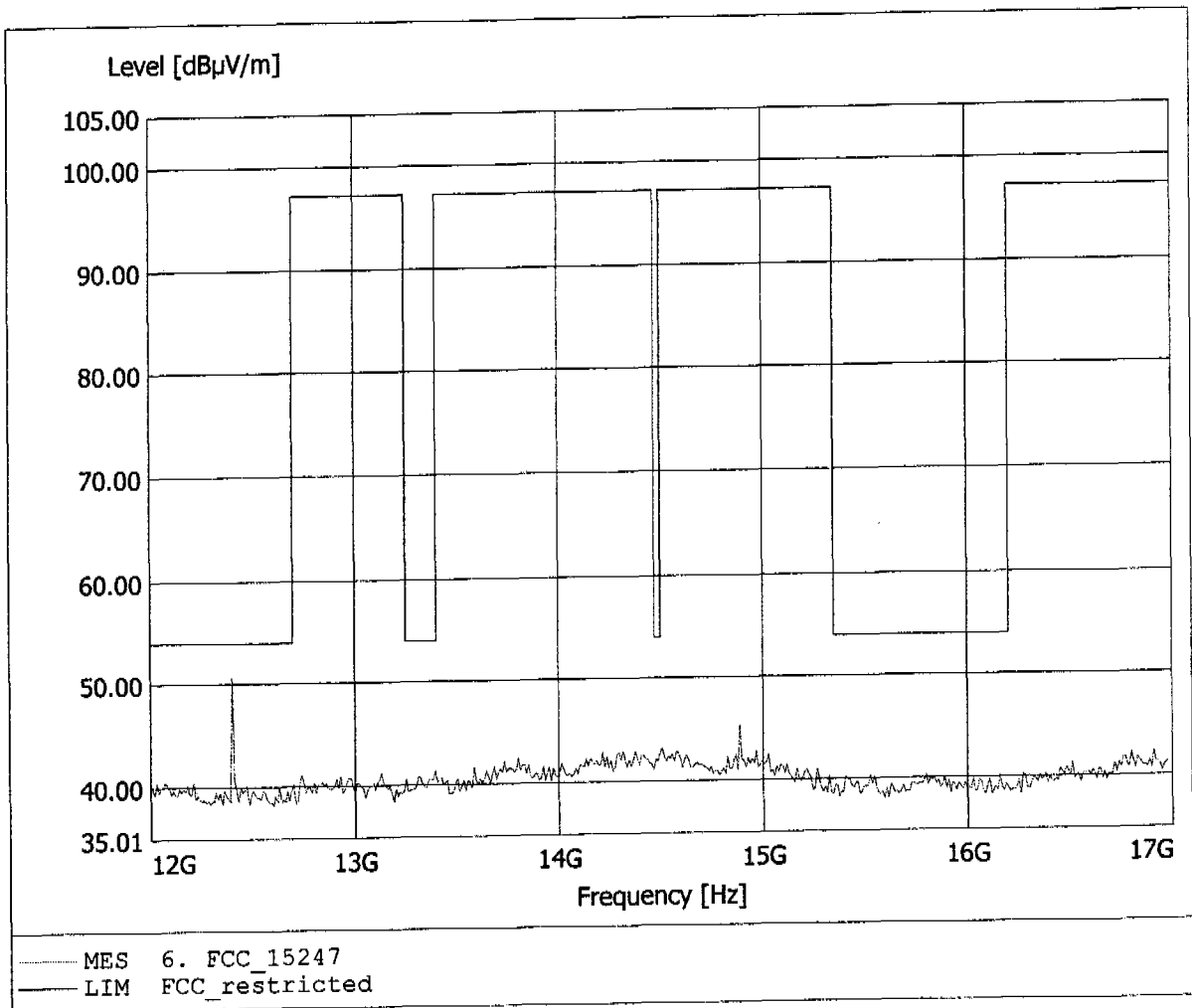
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
 Model: IP600-ISM / Ant.: 2 / Ch.: 78
 Approval Holder: KIRK telecom A/S
 Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 14.255GHz, Emax: 43.59dBµV/m, RBW: 1MHz



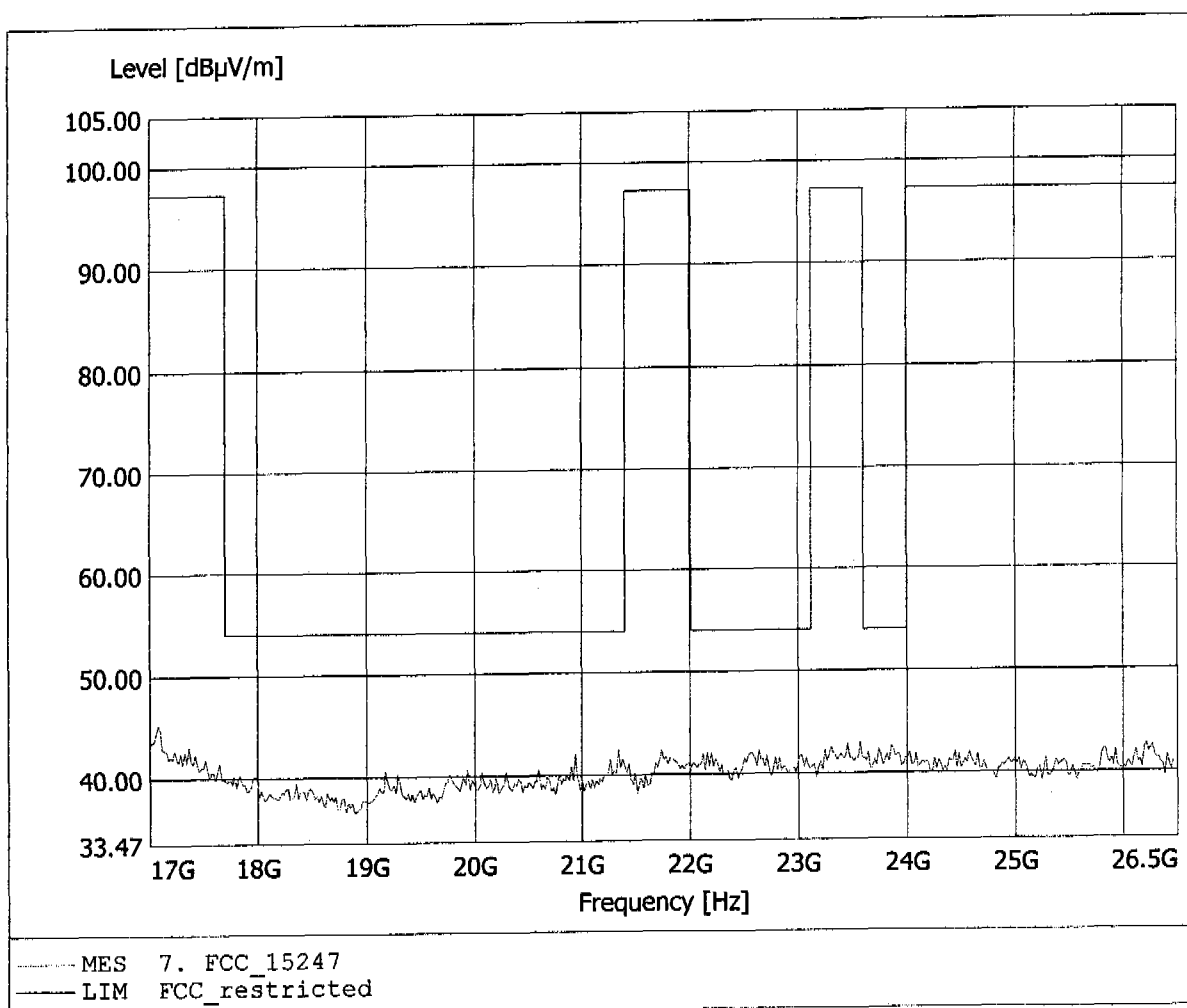
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 12.401GHz, Emax: 50.59dBuV/m, RBW: 1MHz



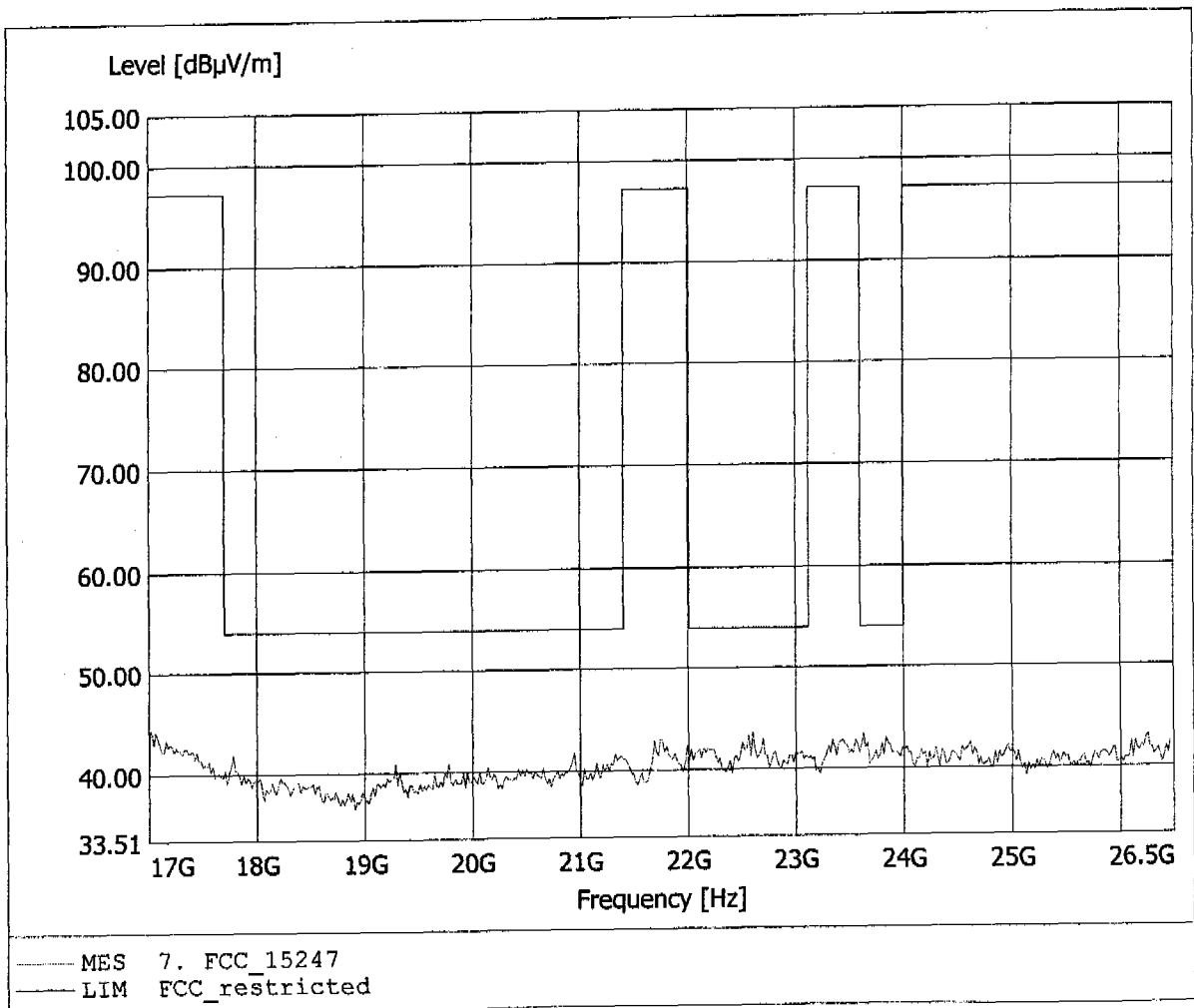
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.076GHz, Emax: 45.30dBµV/m, RBW: 1MHz



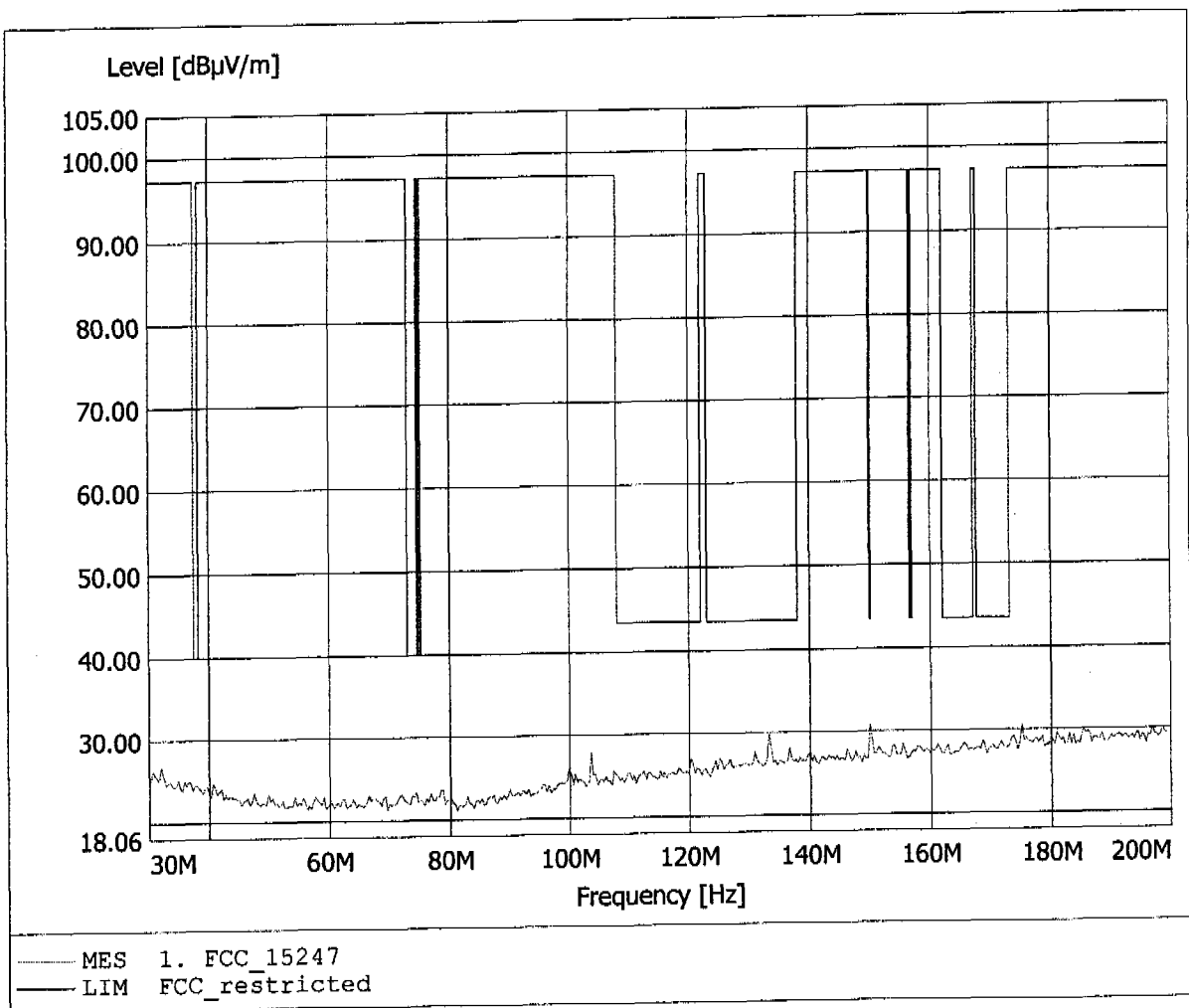
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 78
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 44.34dBµV/m, RBW: 1MHz



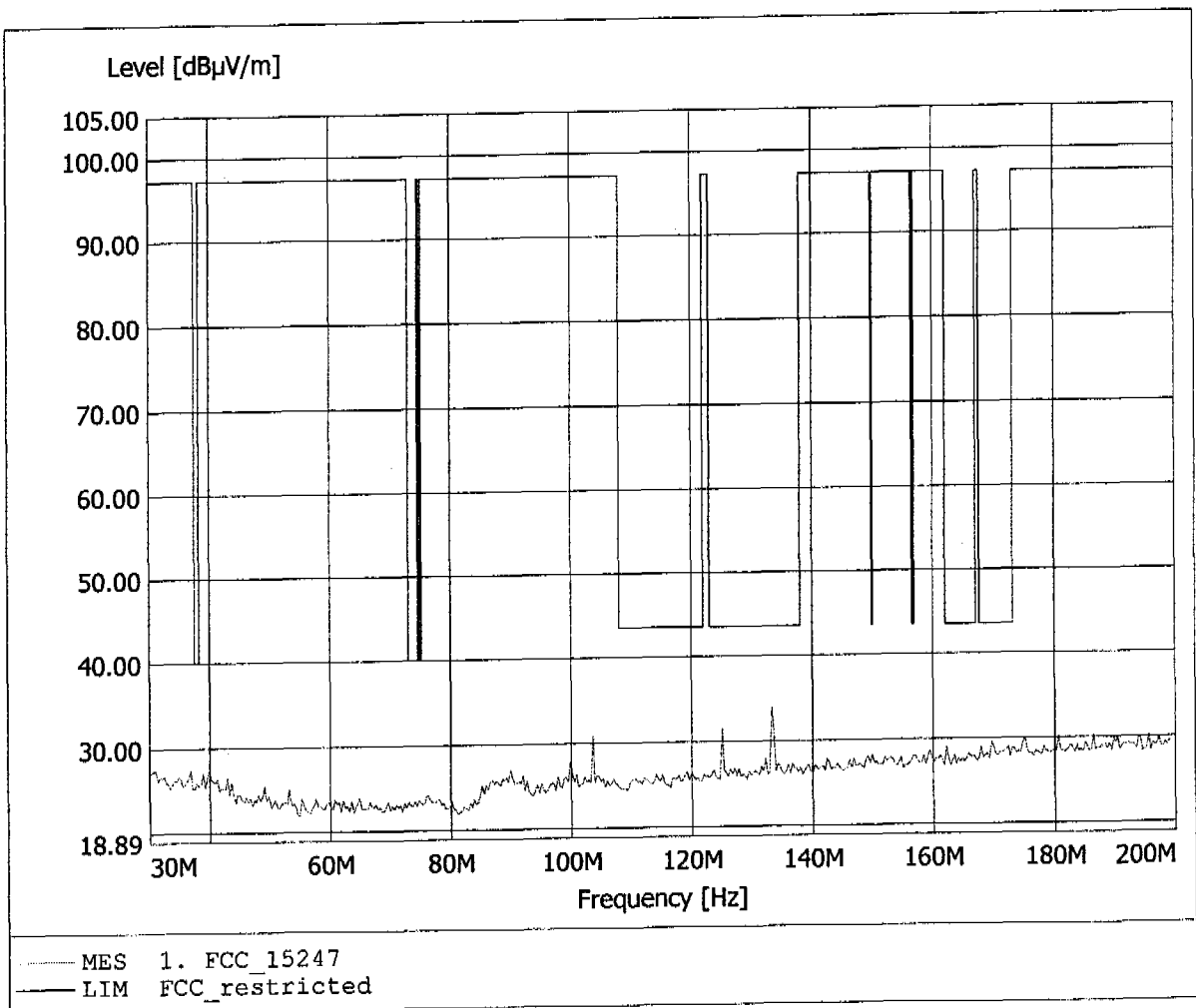
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V 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: 149.920MHz, Emax: 30.92dBµV/m, RBW: 100kHz



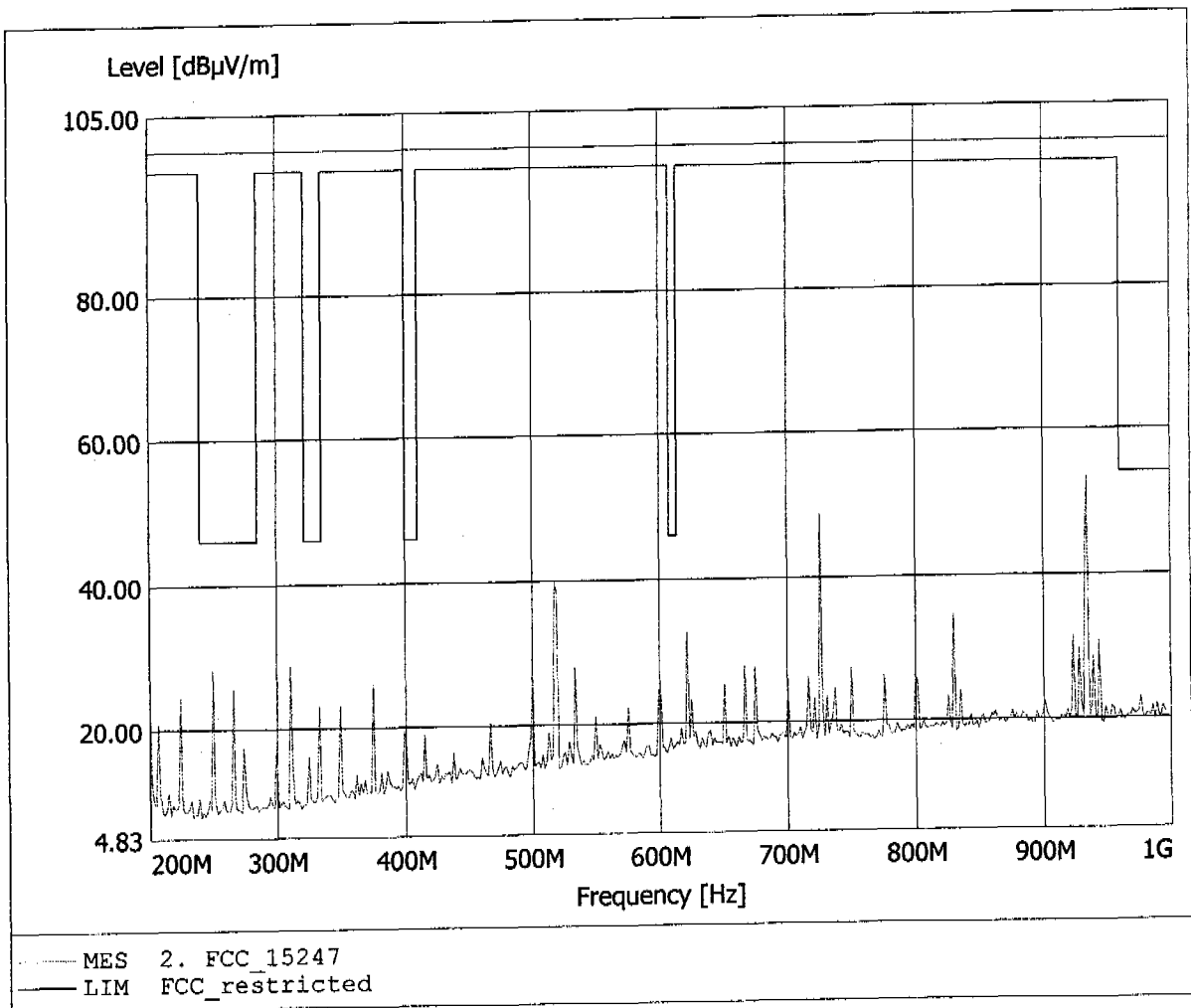
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V 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: 133.226MHz, Emax: 33.89dBµV/m, RBW: 100kHz



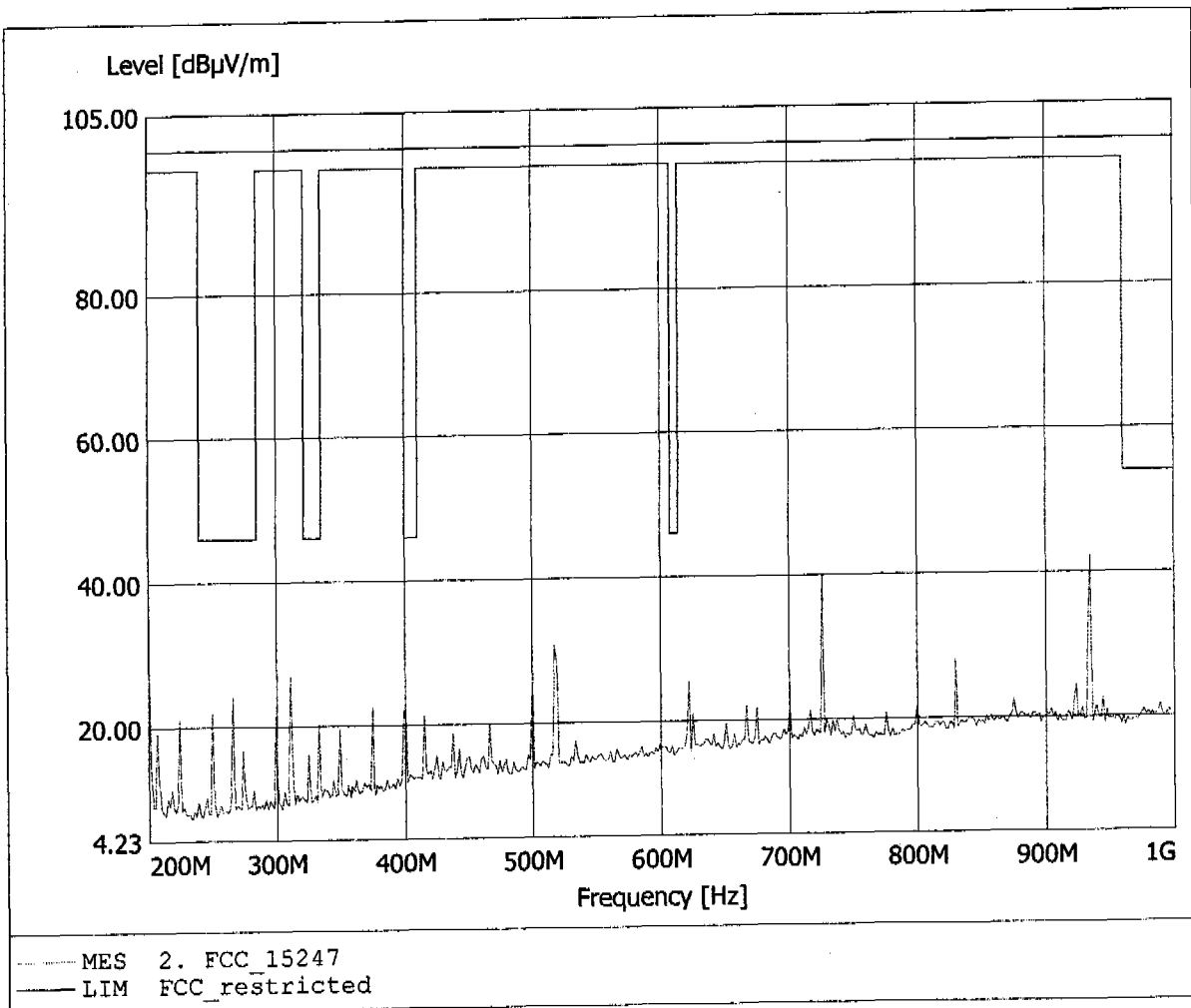
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 934.269MHz, Emax: 53.34dBµV/m, RBW: 100kHz



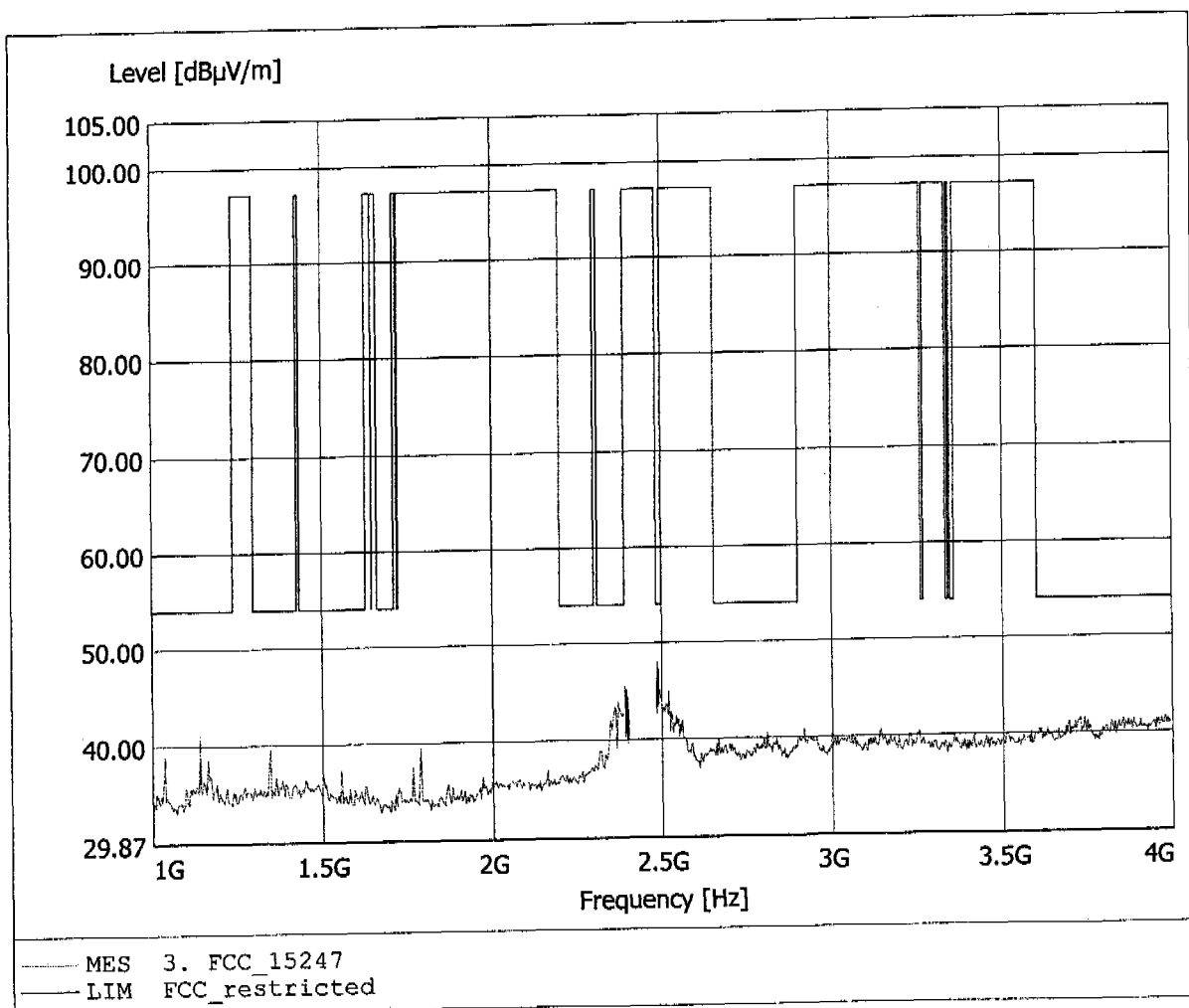
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 934.269MHz, Emax: 42.25dBµV/m, RBW: 100kHz



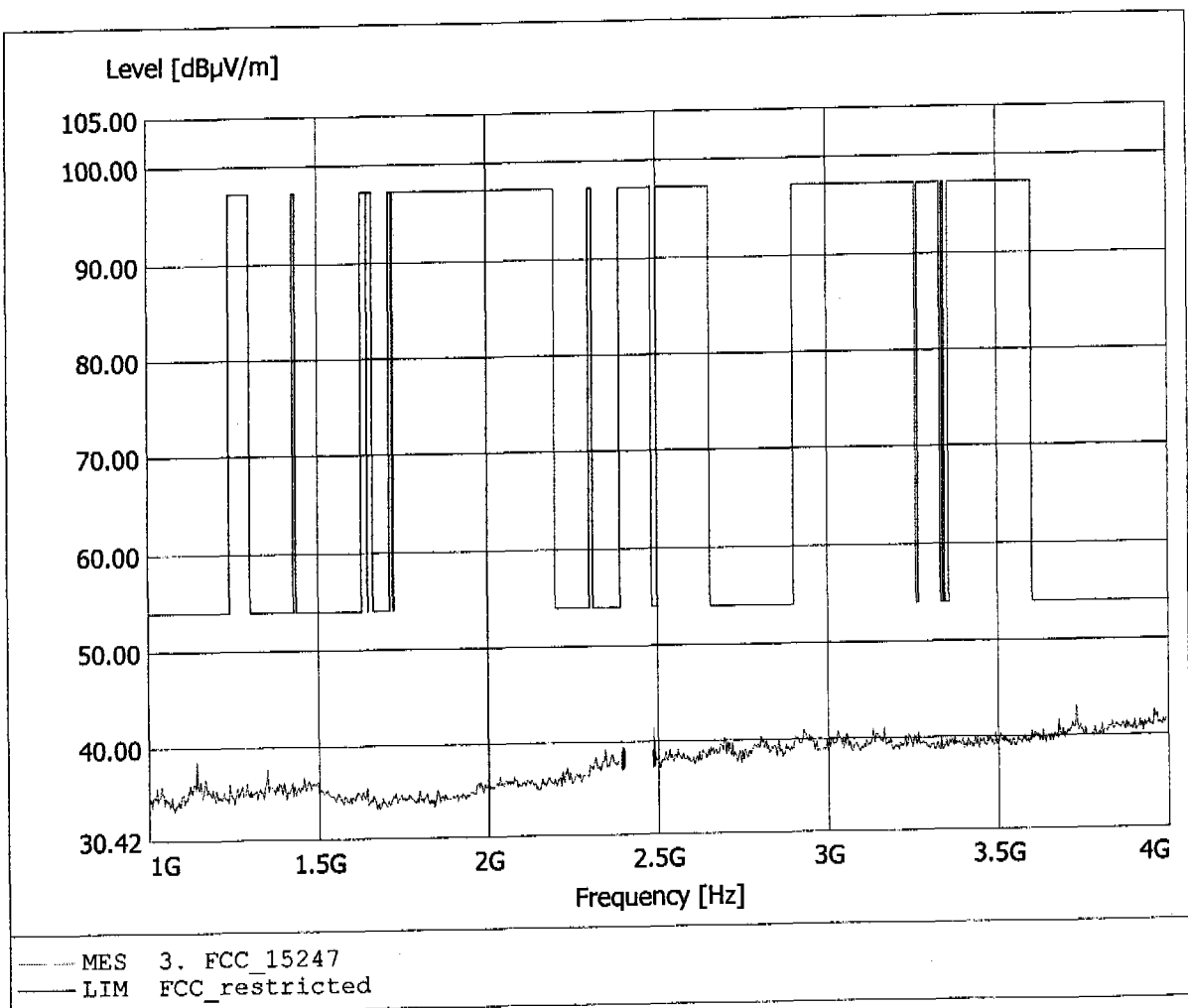
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 48.01dBuV/m, RBW: 1MHz



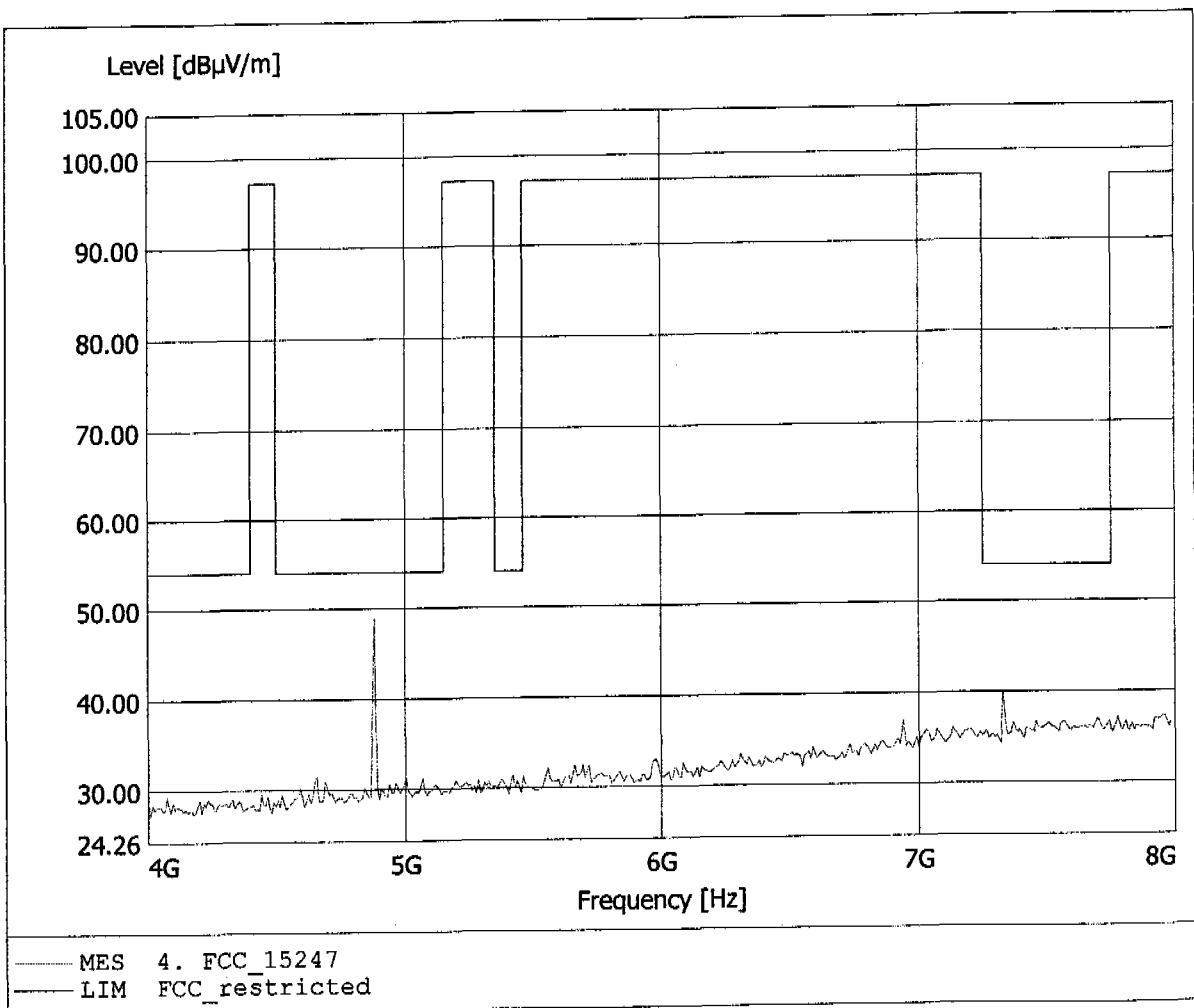
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.728GHz, Emax: 43.11dBµV/m, RBW: 1MHz



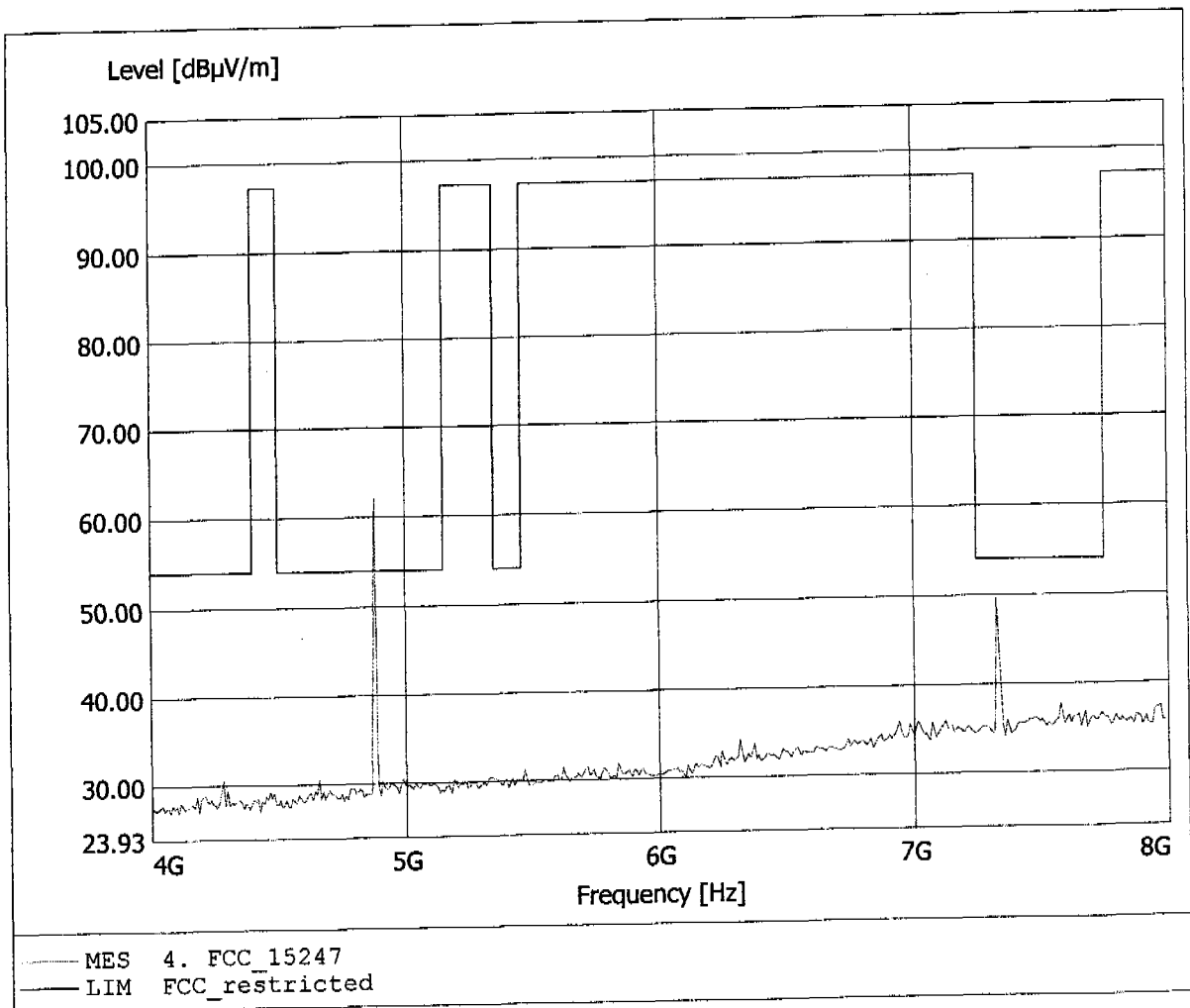
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
 Model: IP600-ISM / Ant.: 2 / Ch.: 39
 Approval Holder: KIRK telecom A/S
 Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to §15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 4.882GHz, Emax: 48.83dBµV/m, RBW: 1MHz



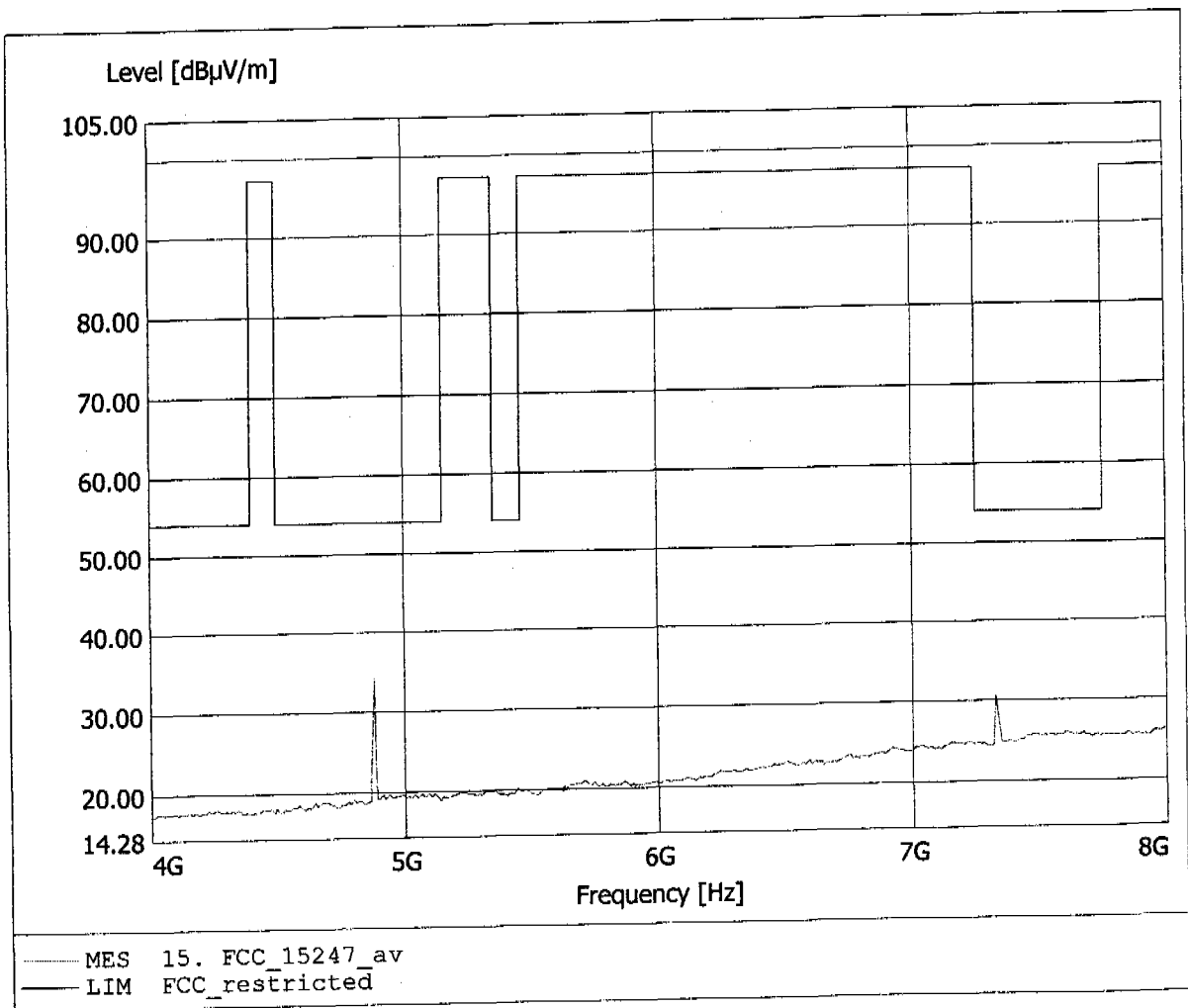
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 61.97dBµV/m, RBW: 1MHz



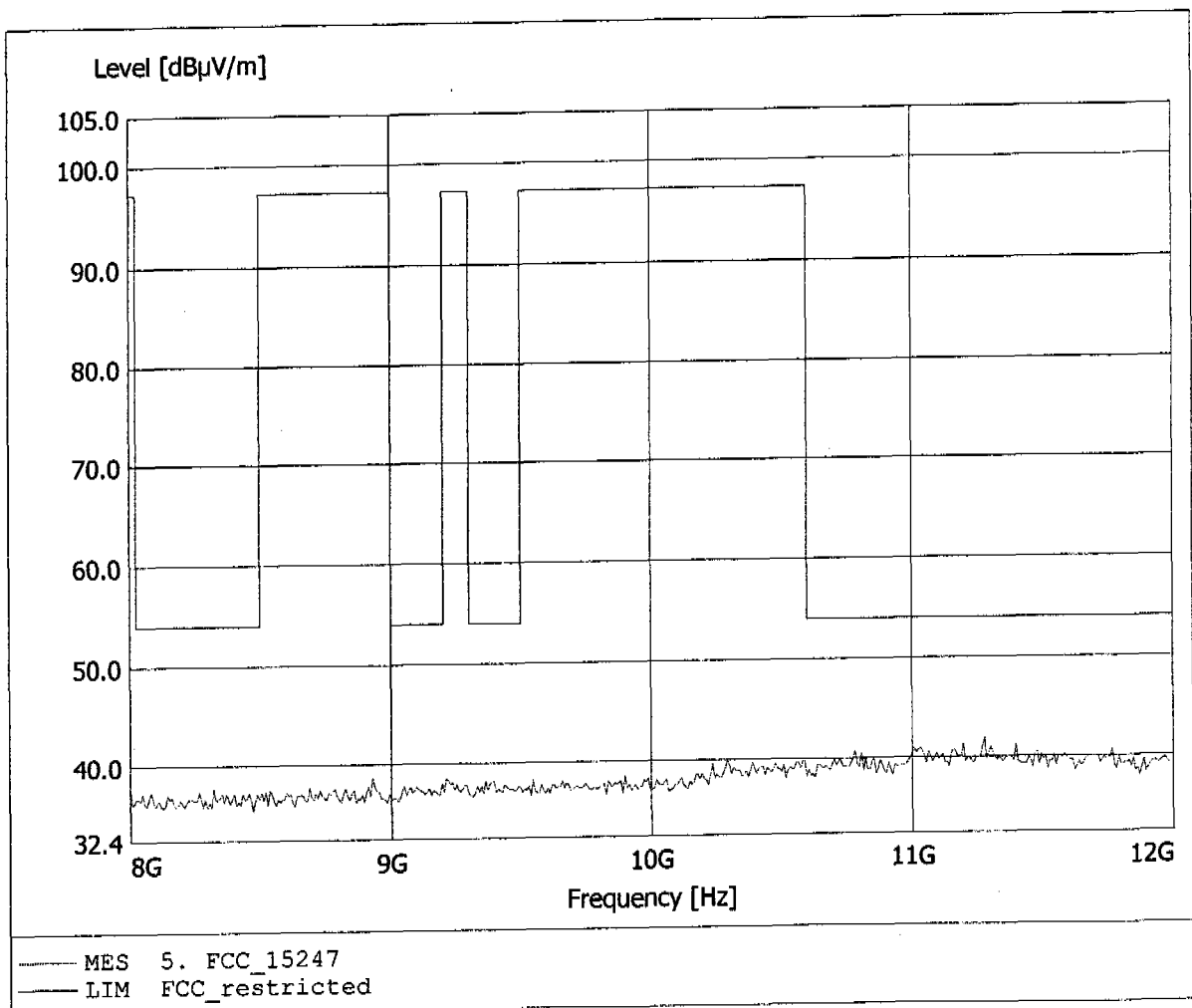
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 34.10dBµV/m, RBW: 1MHz



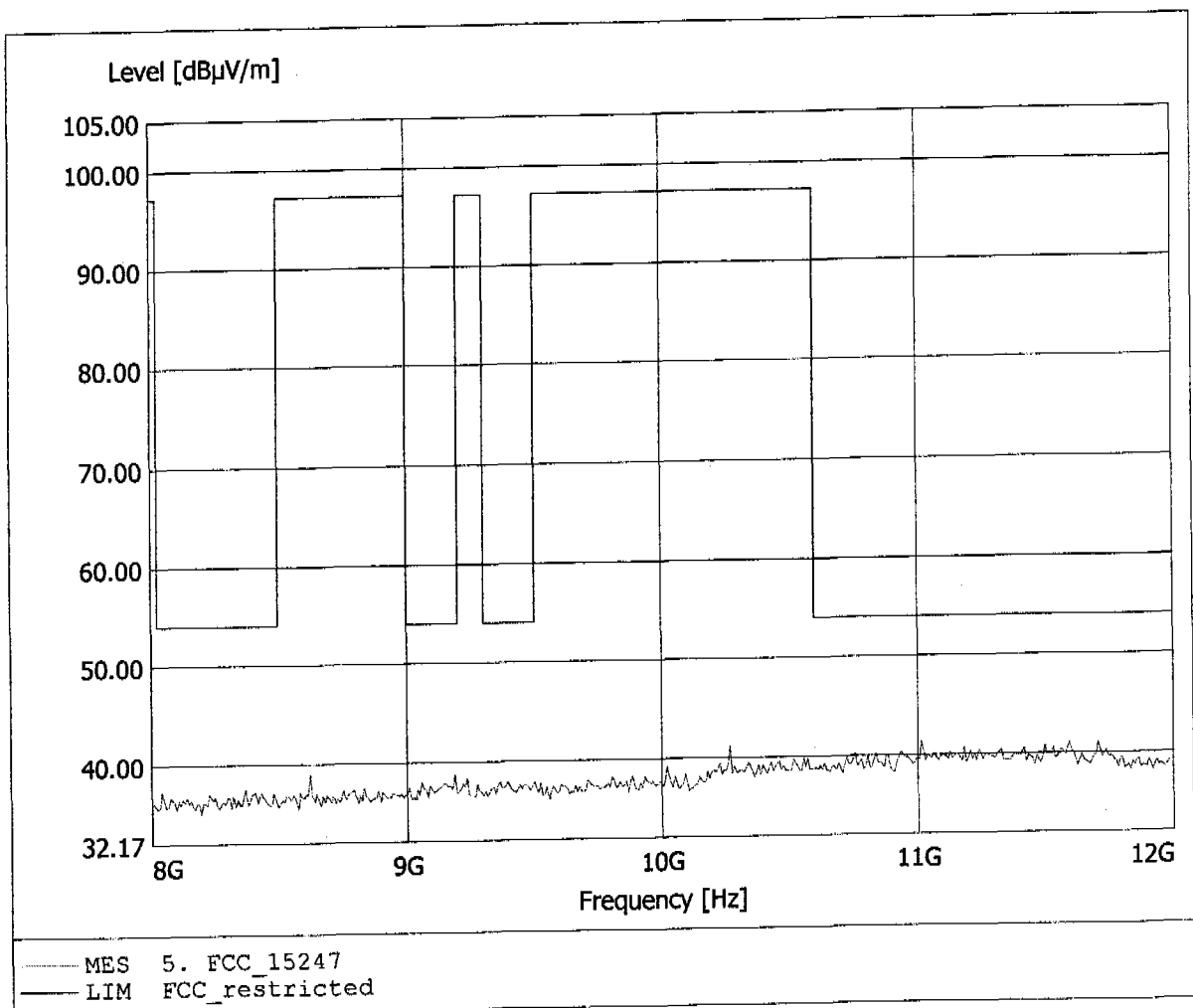
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.279GHz, Emax: 41.94dBµV/m, RBW: 1MHz



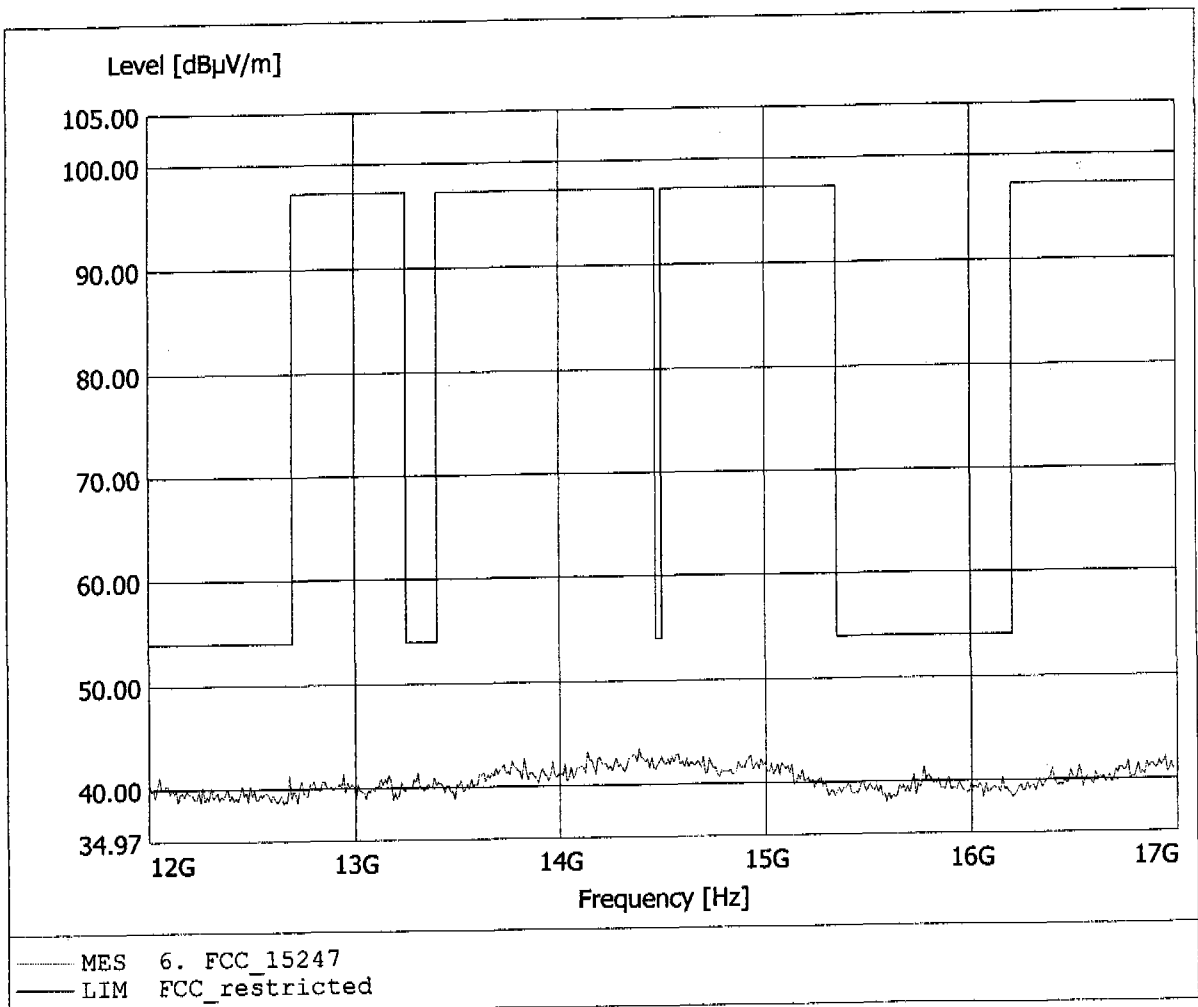
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.014GHz, Emax: 41.35dBuV/m, RBW: 1MHz



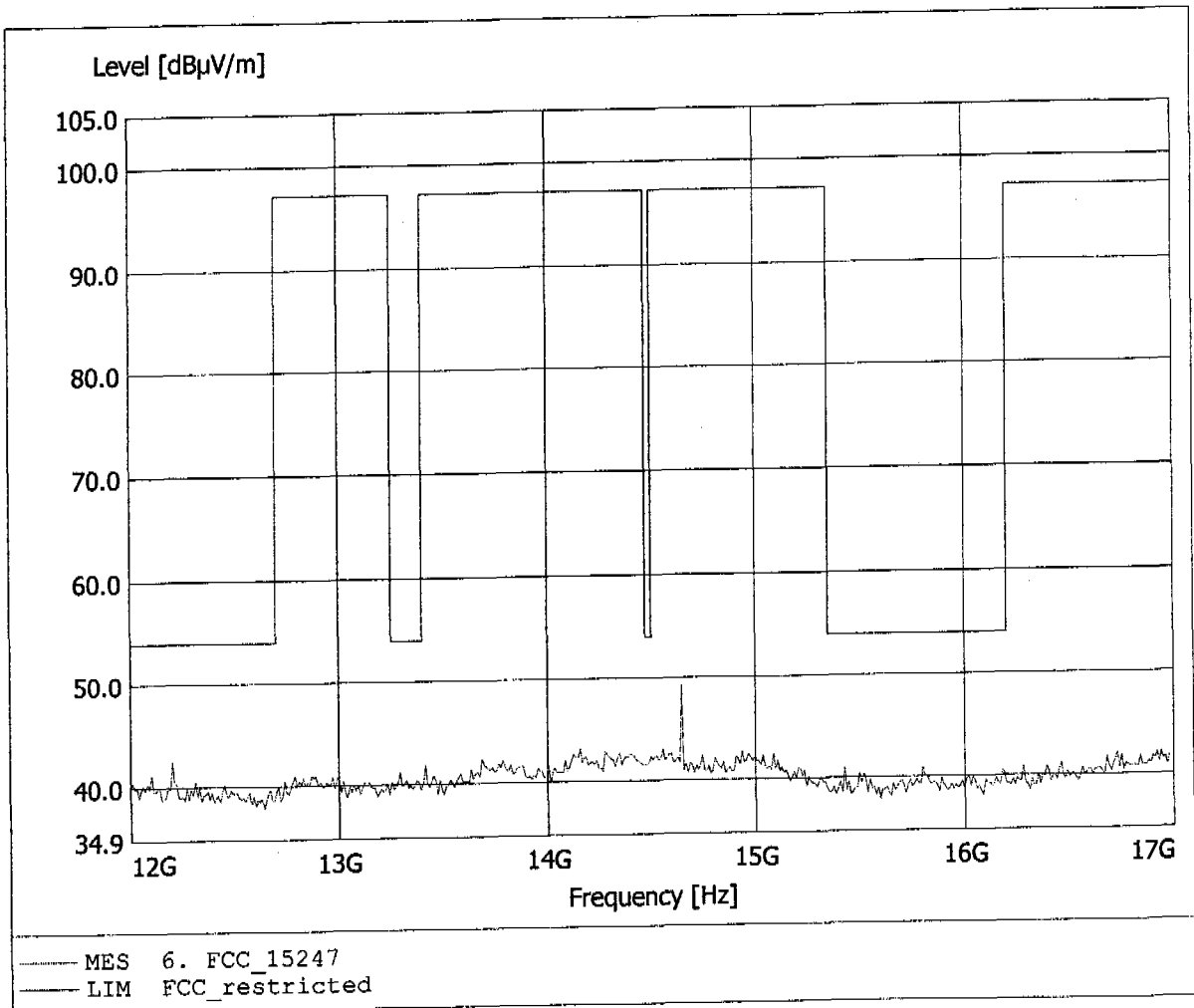
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.385GHz, Emax: 43.43dBµV/m, RBW: 1MHz



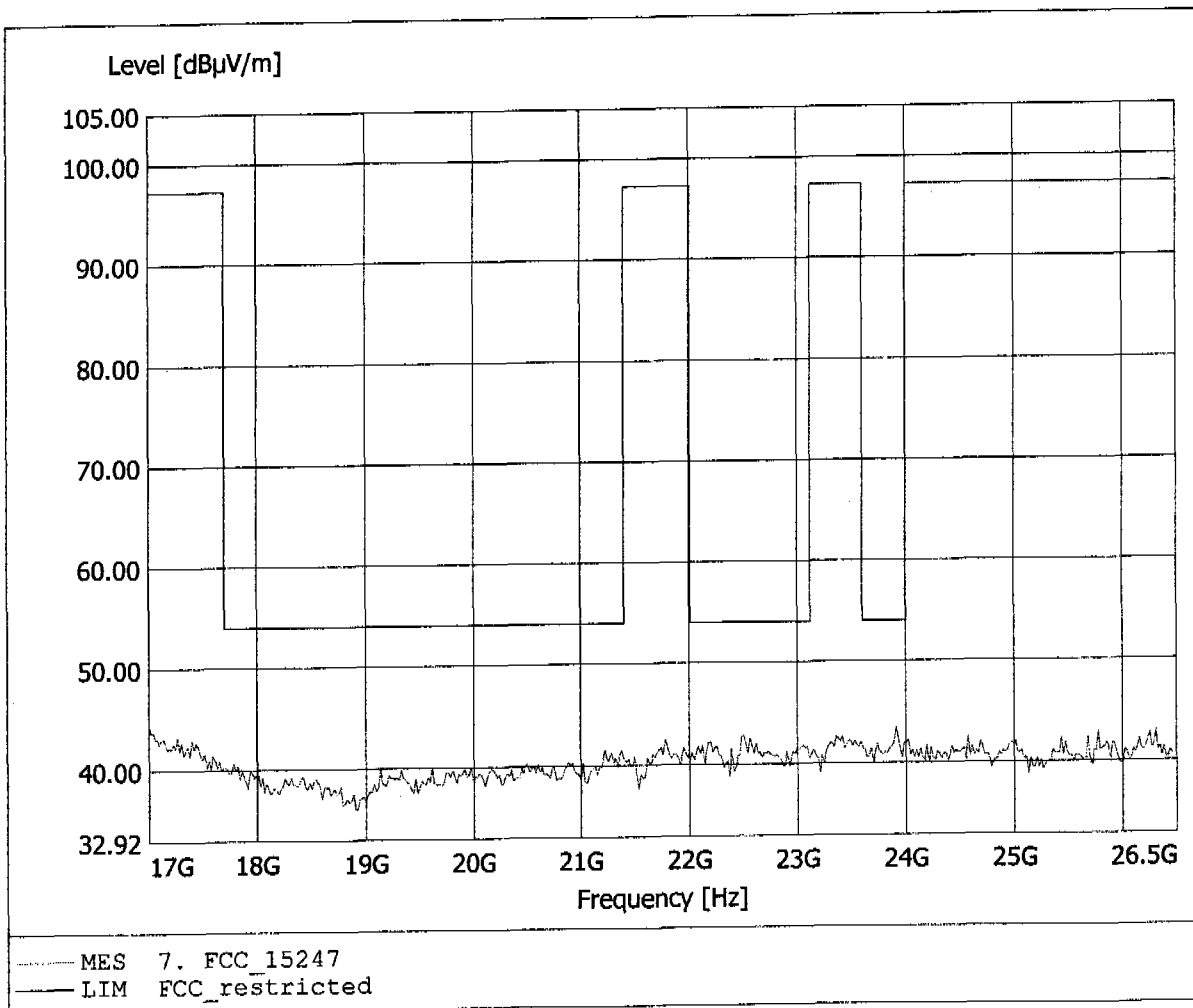
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.645GHz, Emax: 49.31dBµV/m, RBW: 1MHz



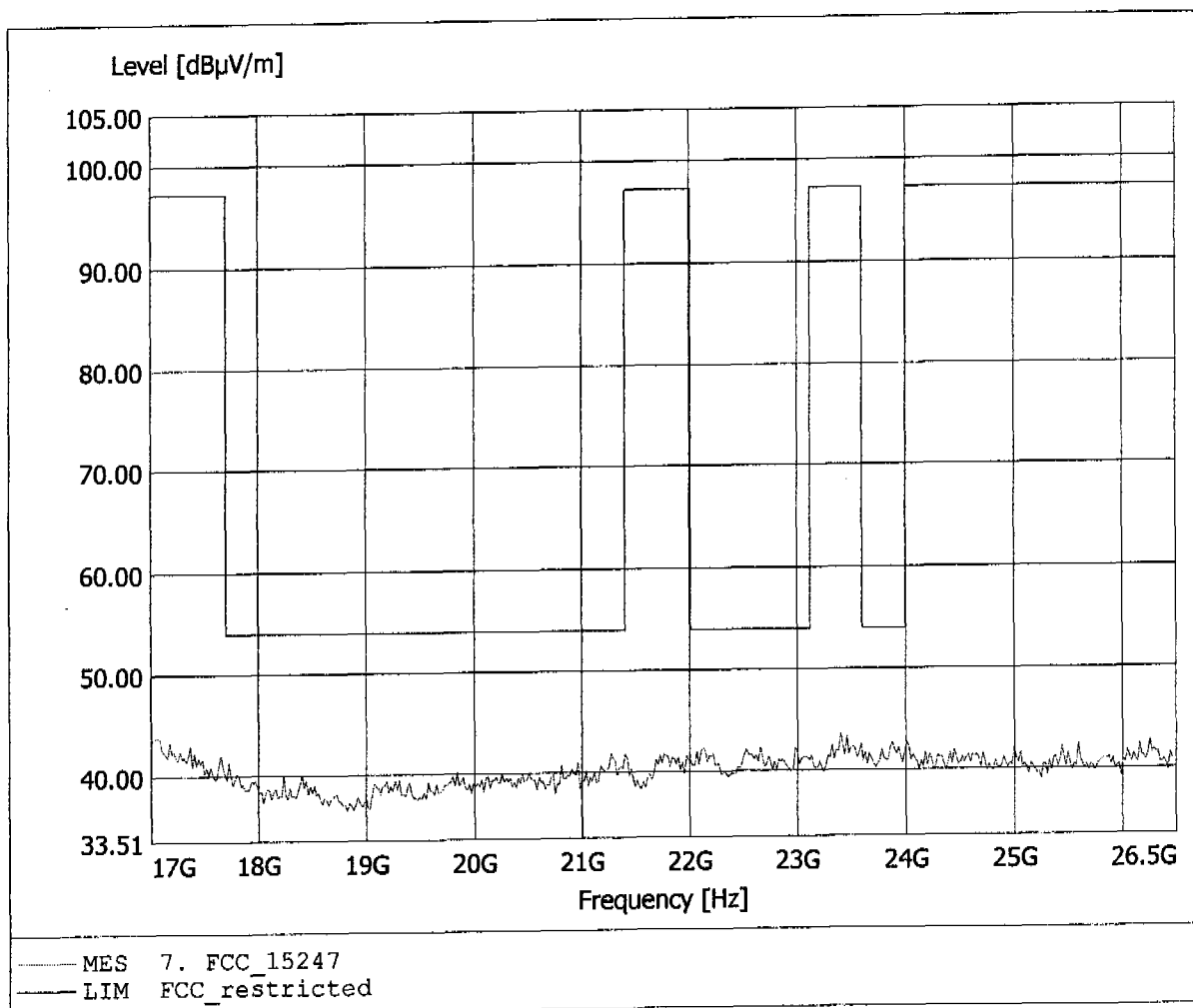
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 44.49dBµV/m, RBW: 1MHz



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

EUT: 2.4 GHz Communication System (Base)
Model: IP600-ISM / Ant.: 2 / Ch.: 39
Approval Holder: KIRK telecom A/S
Operating Condition: Tnom: 23°C / Unom: 24 V DC (120 V AC/DC adaptor)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.038GHz, Emax: 43.84dBuV/m, RBW: 1MHz





Appendix D

Spurious Emissions conducted - Transmitter operating

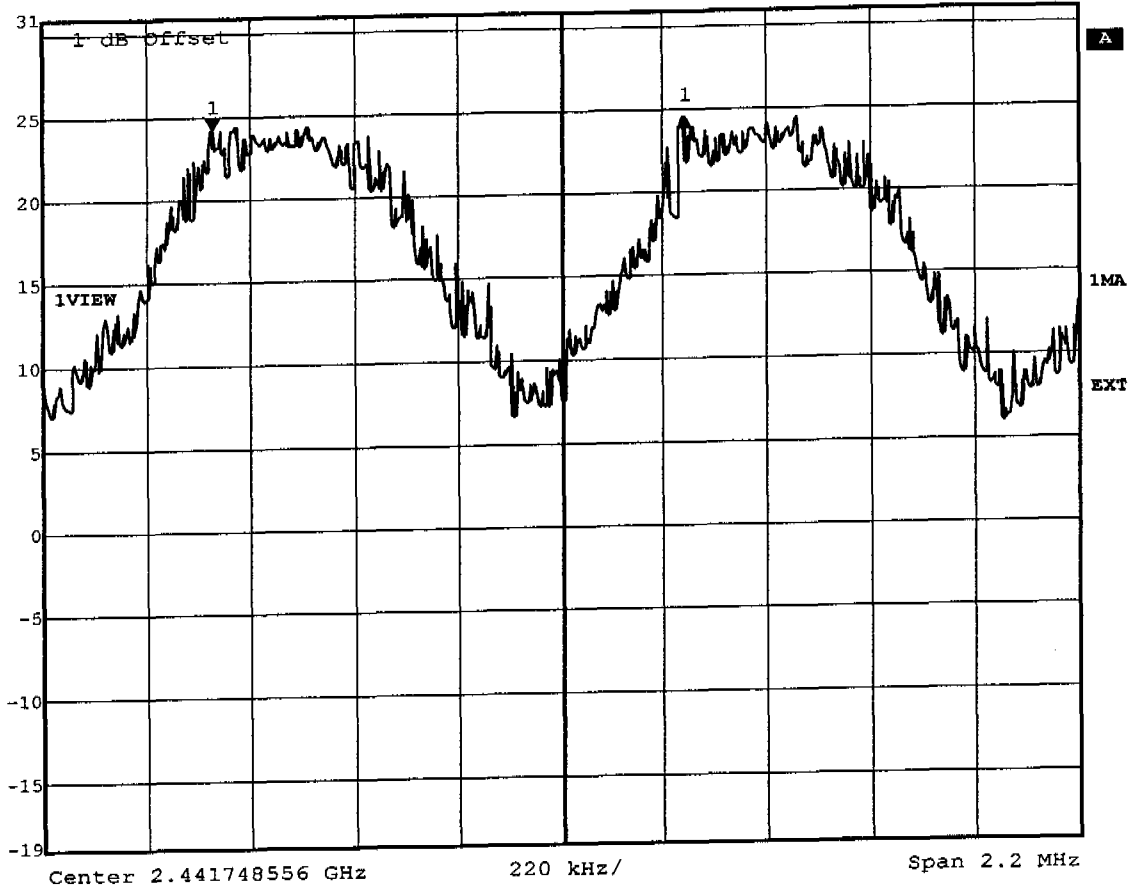


Appendix E

Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.17 dB VBW 100 kHz
31 dBm 1.00521042 MHz SWT 5 ms Unit dBm



Title: Carrier Frequency Separation
Comment A: IP600-ISM
Date: 16.OCT.2003 14:27:18

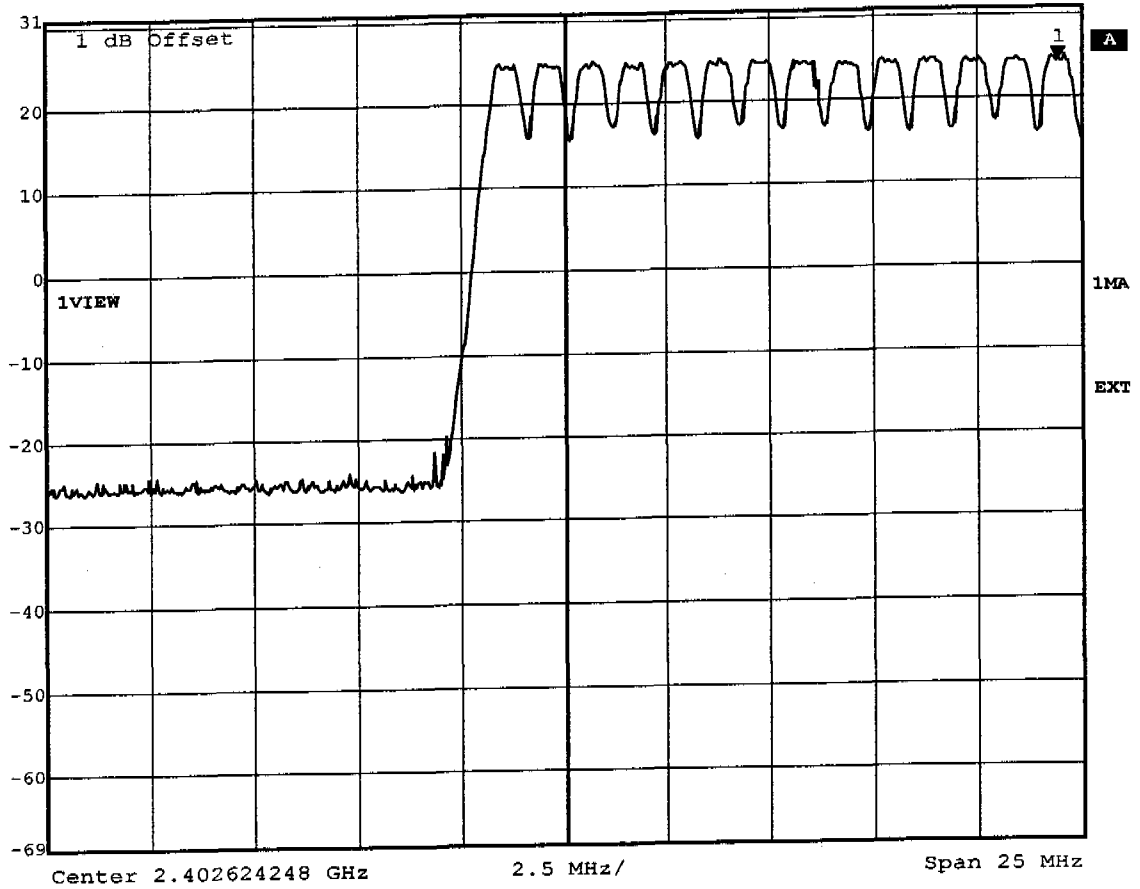


Appendix F

Number of Hopping Frequencies



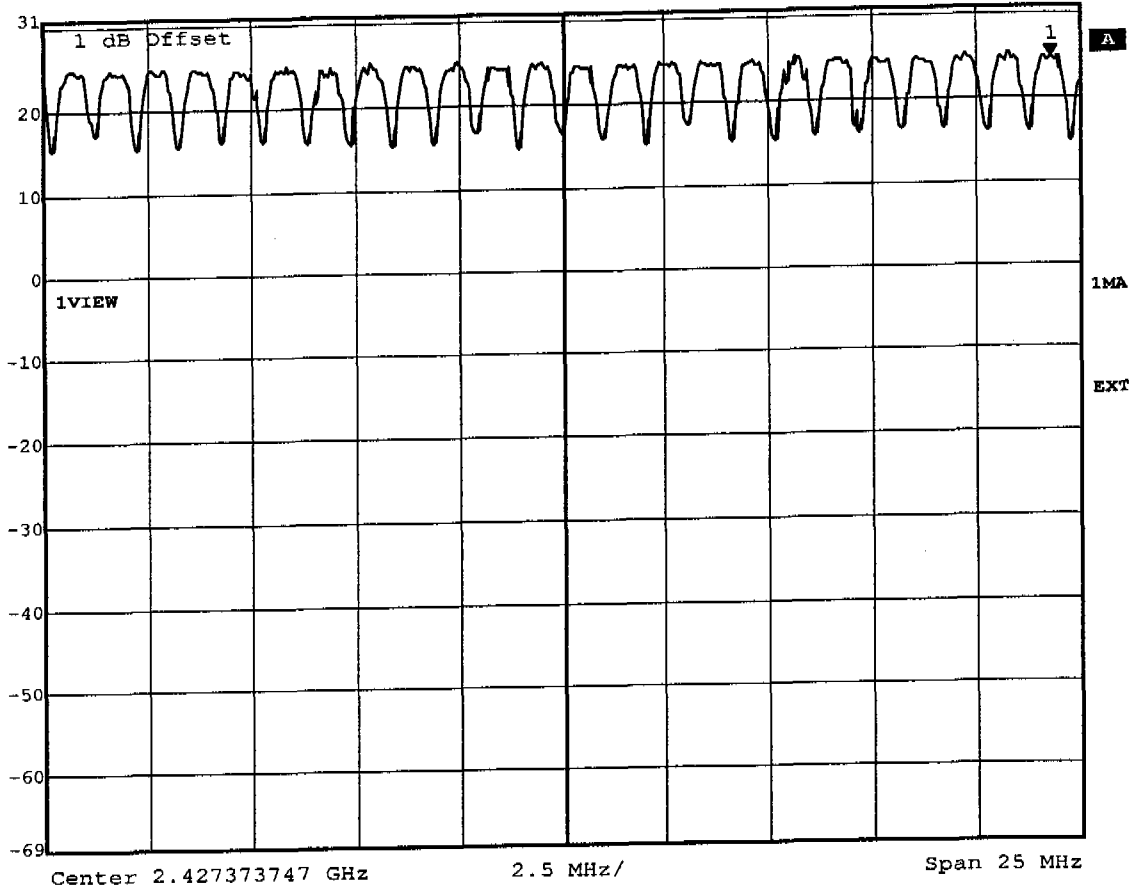
Marker 1 [T1] RBW 300 kHz RF Att 60 dB
Ref Lvl 24.30 dBm VBW 300 kHz
31 dBm 2.41459820 GHz SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 0-13
Comment A: IP600-ISM
Date: 16.OCT.2003 15:07:41



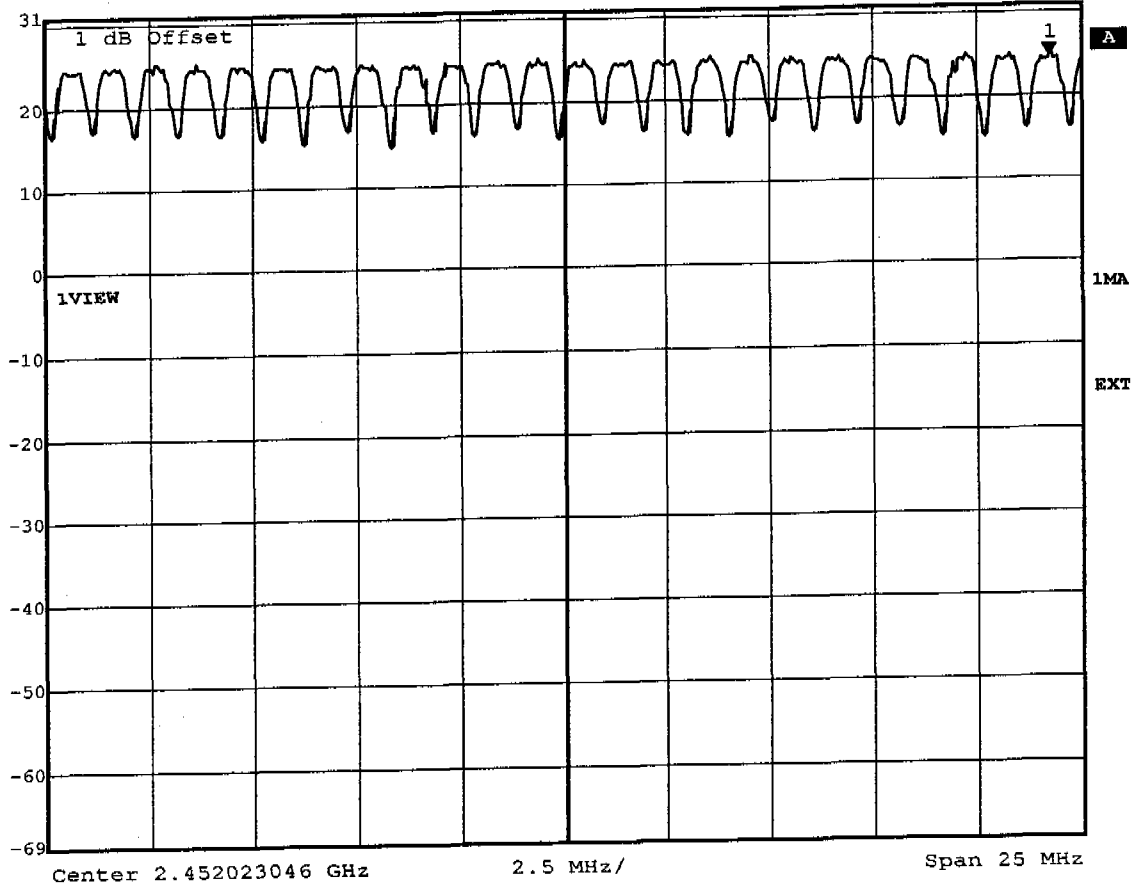
Marker 1 [T1] RBW 300 kHz RF Att 60 dB
Ref Lvl 24.56 dBm VBW 300 kHz
31 dBm 2.43919739 GHz SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 14-37
Comment A: IP600-ISM
Date: 16.OCT.2003 15:18:50



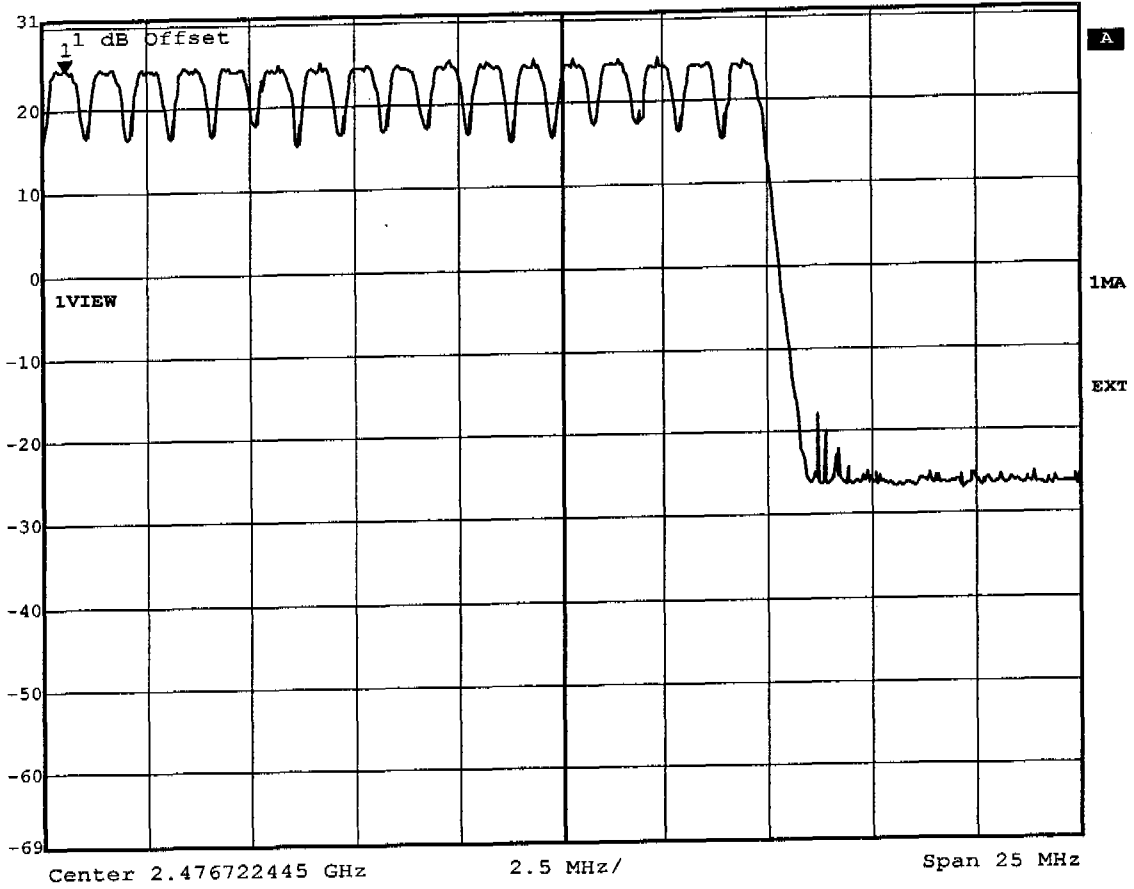
Marker 1 [T1] RBW 300 kHz RF Att 60 dB
Ref Lvl 24.75 dBm VBW 300 kHz
31 dBm 2.46379659 GHz SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 38-61
Comment A: IP600-ISM
Date: 16.OCT.2003 15:36:20



Marker 1 [T1] RBW 300 kHz RF Att 60 dB
Ref Lvl 24.64 dBm VBW 300 kHz
31 dBm 2.46477355 GHz SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 62-78
Comment A: IP600-ISM
Date: 17.OCT.2003 07:43:41

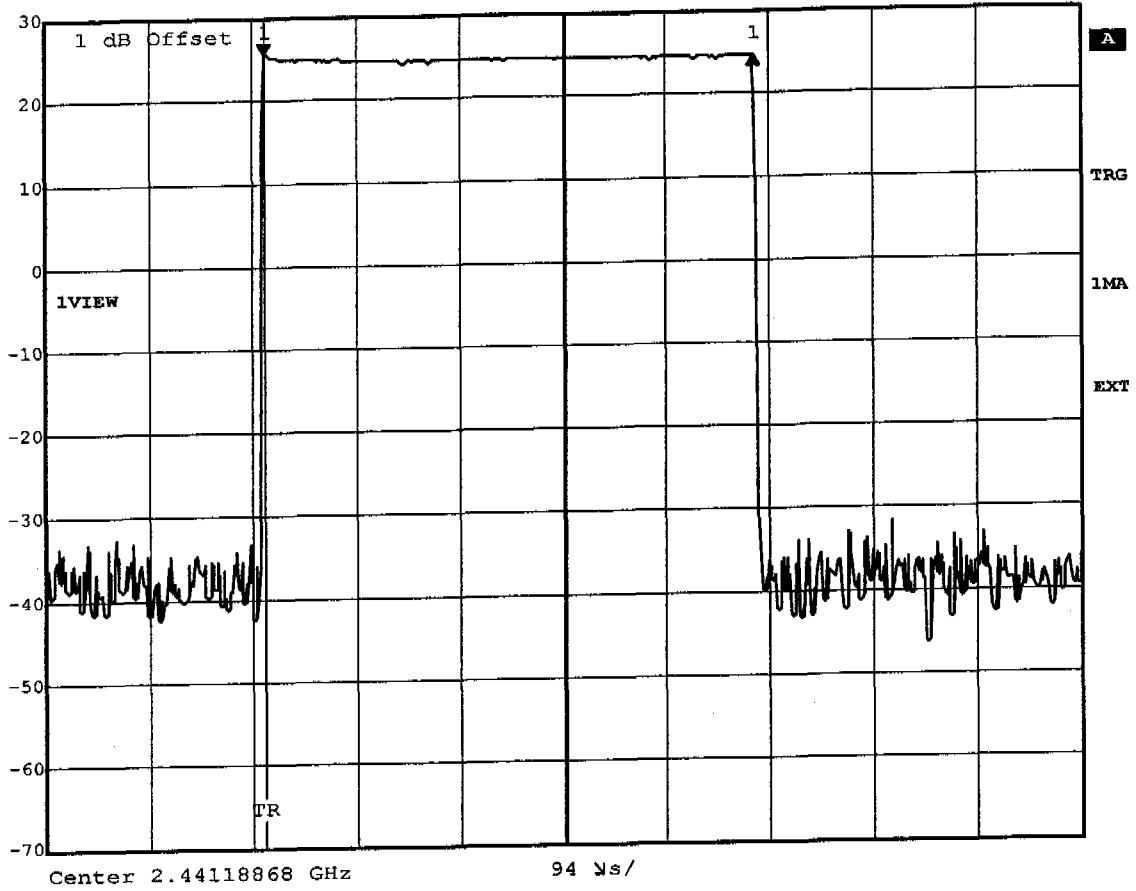


Appendix G

Time of Occupancy (Dwell Time)



Delta 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl -1.08 dB VBW 1 MHz
30 dBm 444.713427 μ s SWT 940 μ s Unit dBm



Title: Time of occupancy (Hopping mode) 40 events * 0.445ms=16.02ms
Comment A: IP600-ISM
Date: 17.OCT.2003 09:12:03

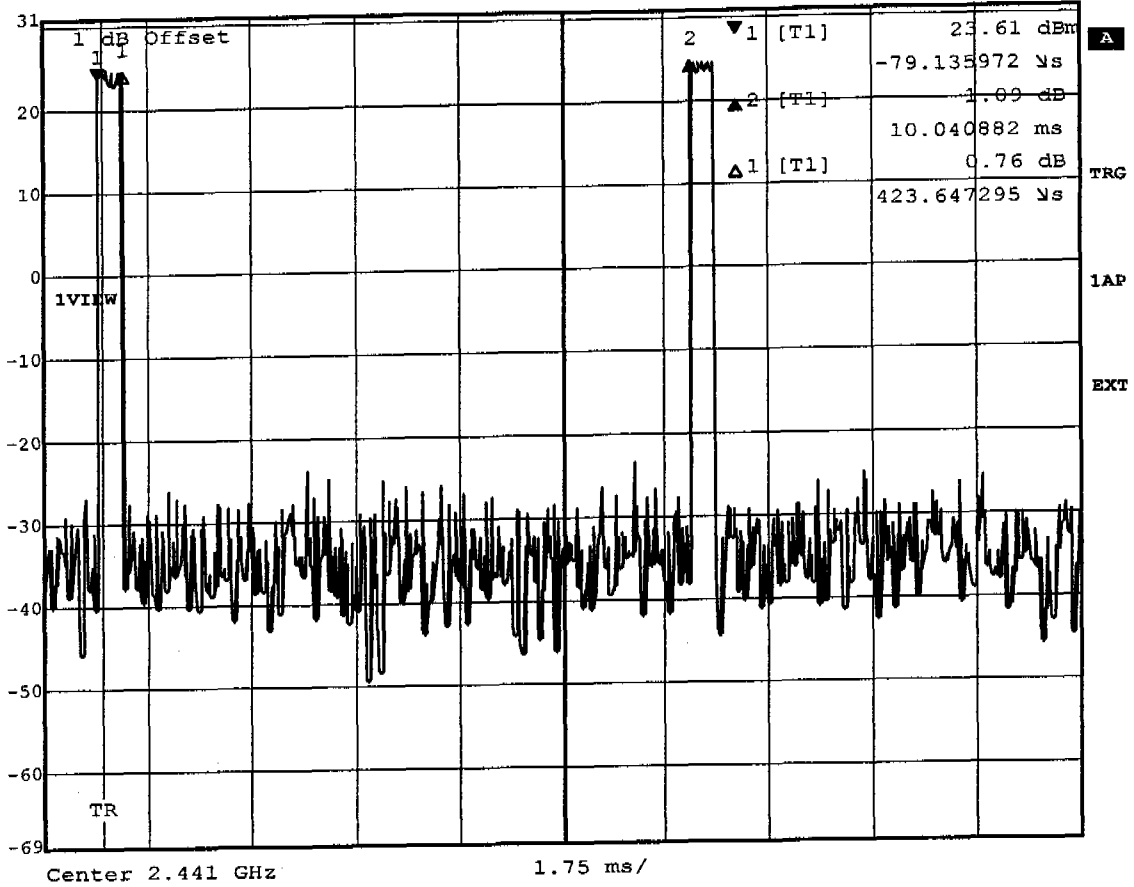


Delta 2 [T1]

RBW 1 MHz RF Att 60 dB

Ref Lvl 1.09 dB
31 dBm 10.040882 ms

VBW 1 MHz
SWT 17.5 ms Unit dBm



Title: Duty Cycle
Comment A: IP600-ISM
Date: 16.OCT.2003 14:35:00

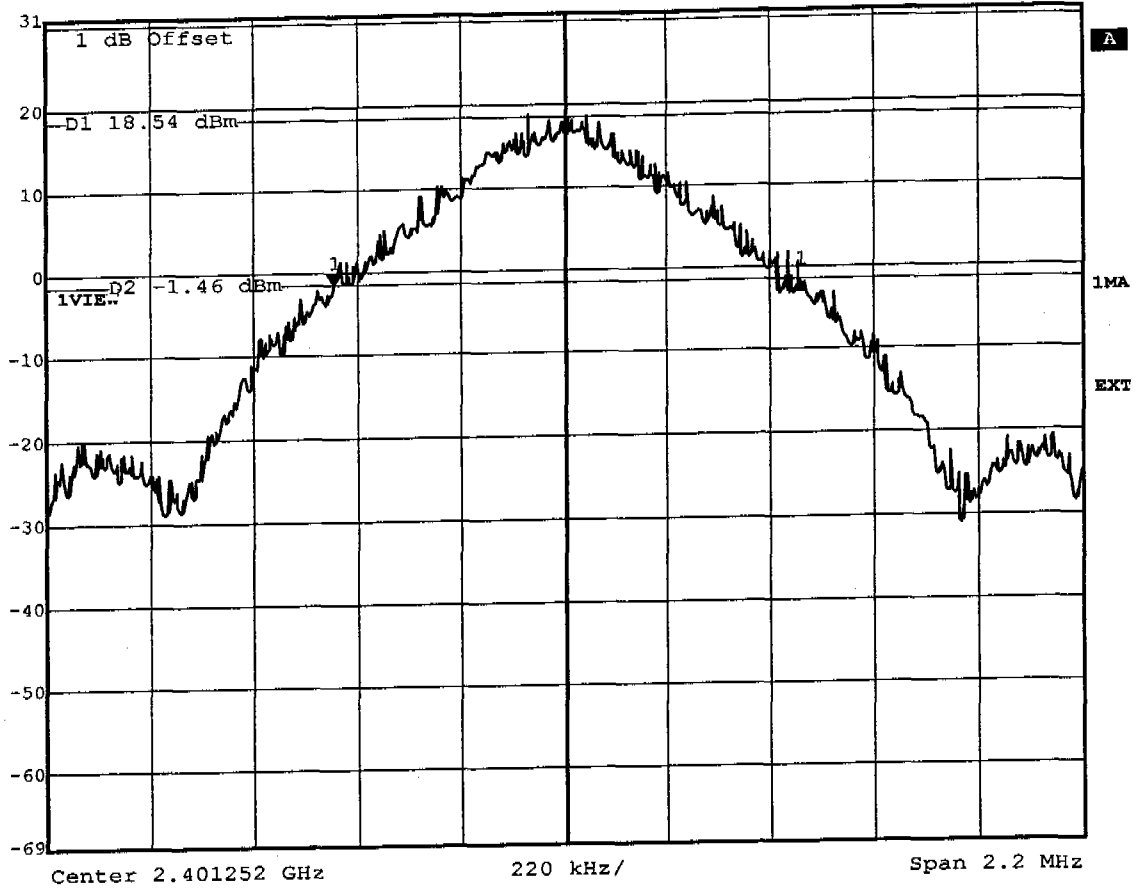


Appendix H

20dB Bandwidth



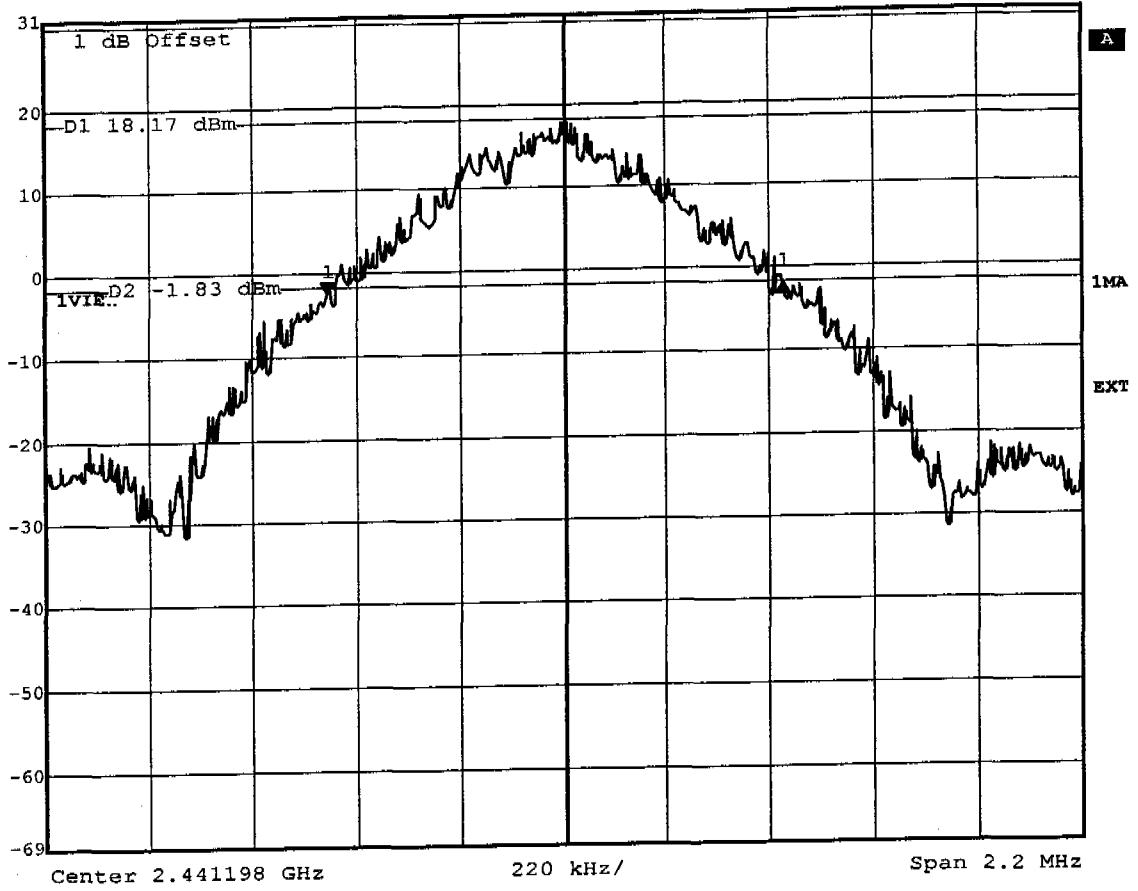
Delta 1 [T1] RBW 10 kHz RF Att 60 dB
Ref Lvl -0.33 dB VBW 10 kHz
31 dBm 991.98396794 kHz SWT 56 ms Unit dBm



Title: -20dB Bandwidth Ch.: 0
Comment A: IP600-ISM
Date: 16.OCT.2003 12:58:16



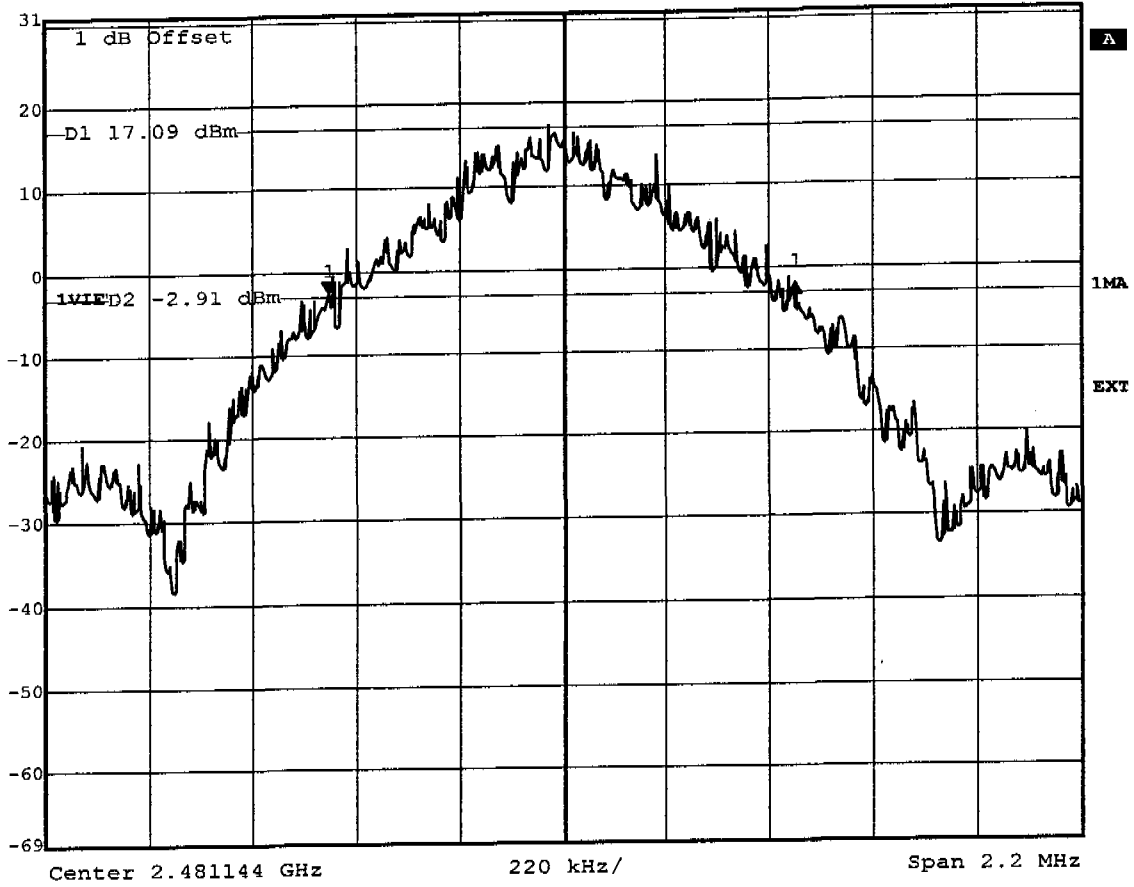
Delta 1 [T1] RBW 10 kHz RF Att 60 dB
Ref Lvl 0.51 dB VBW 10 kHz
31 dBm 969.93987976 kHz SWT 56 ms Unit dBm



Title: -20dB Bandwidth Ch.: 39
Comment A: IP600-ISM
Date: 16.OCT.2003 13:03:53



Delta 1 [T1] RBW 10 kHz RF Att 60 dB
Ref Lvl 0.55 dB VBW 10 kHz
31 dBm 991.98396794 kHz SWT 56 ms Unit dBm



Title: -20dB Bandwidth Ch.: 78
Comment A: IP600-ISM
Date: 16.OCT.2003 13:20:47

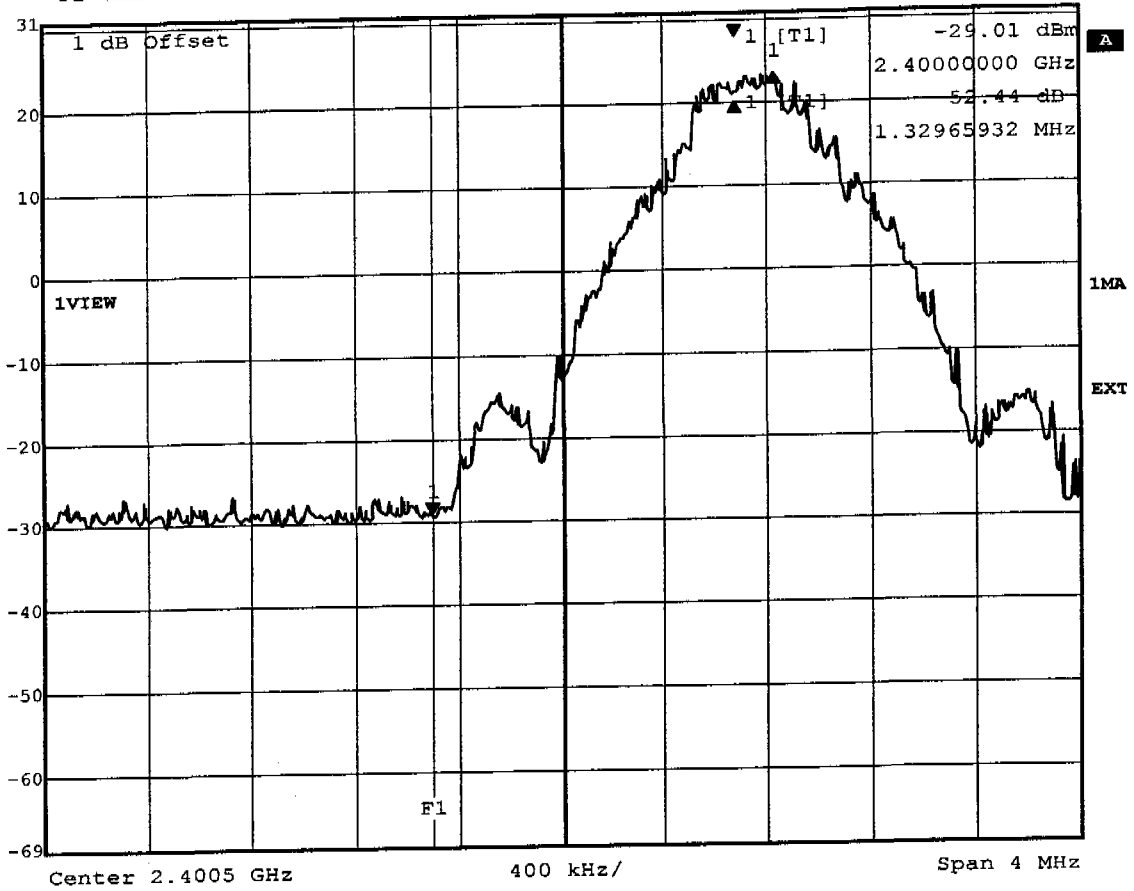


Appendix I

Band-edge Compliance of RF Emissions



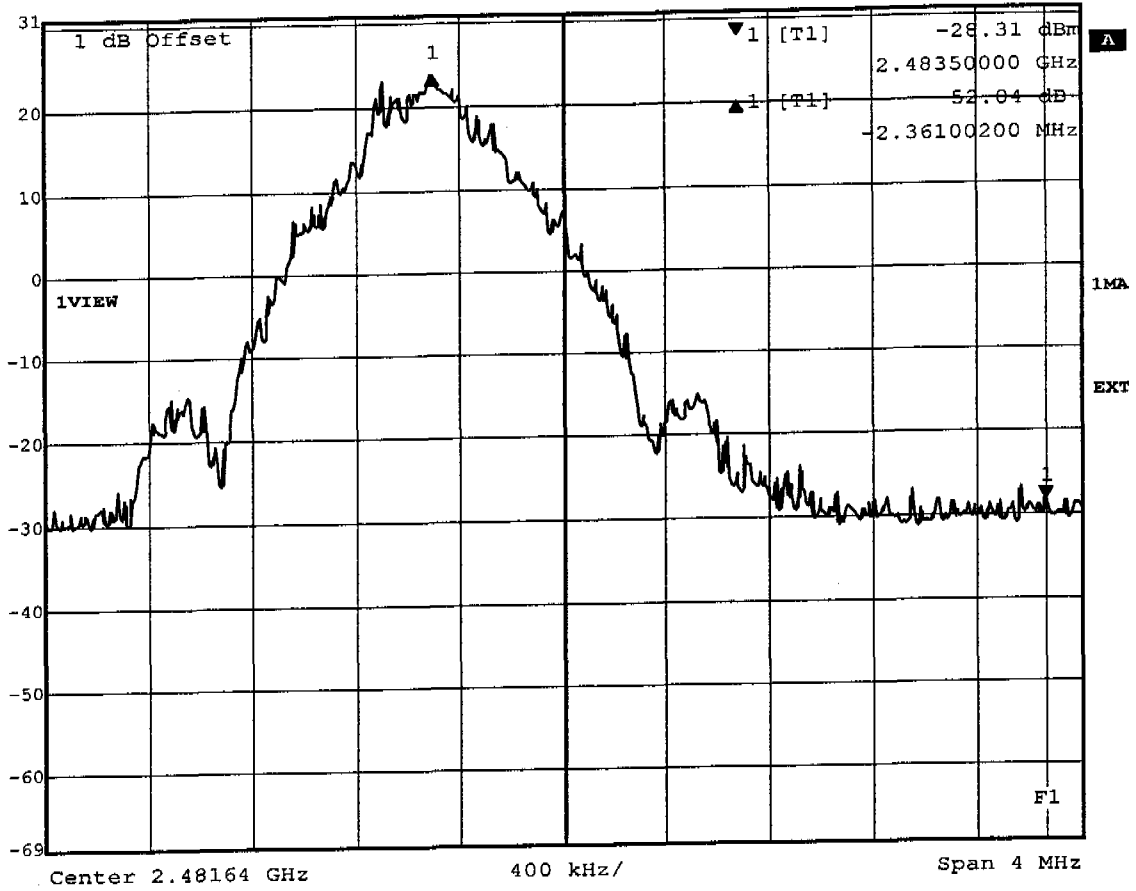
Delta 1 [T1] RBW 50 kHz RF Att 60 dB
Ref Lvl 52.44 dB VBW 50 kHz
31 dBm 1.32965932 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: IP600-ISM
Date: 16.OCT.2003 13:58:19



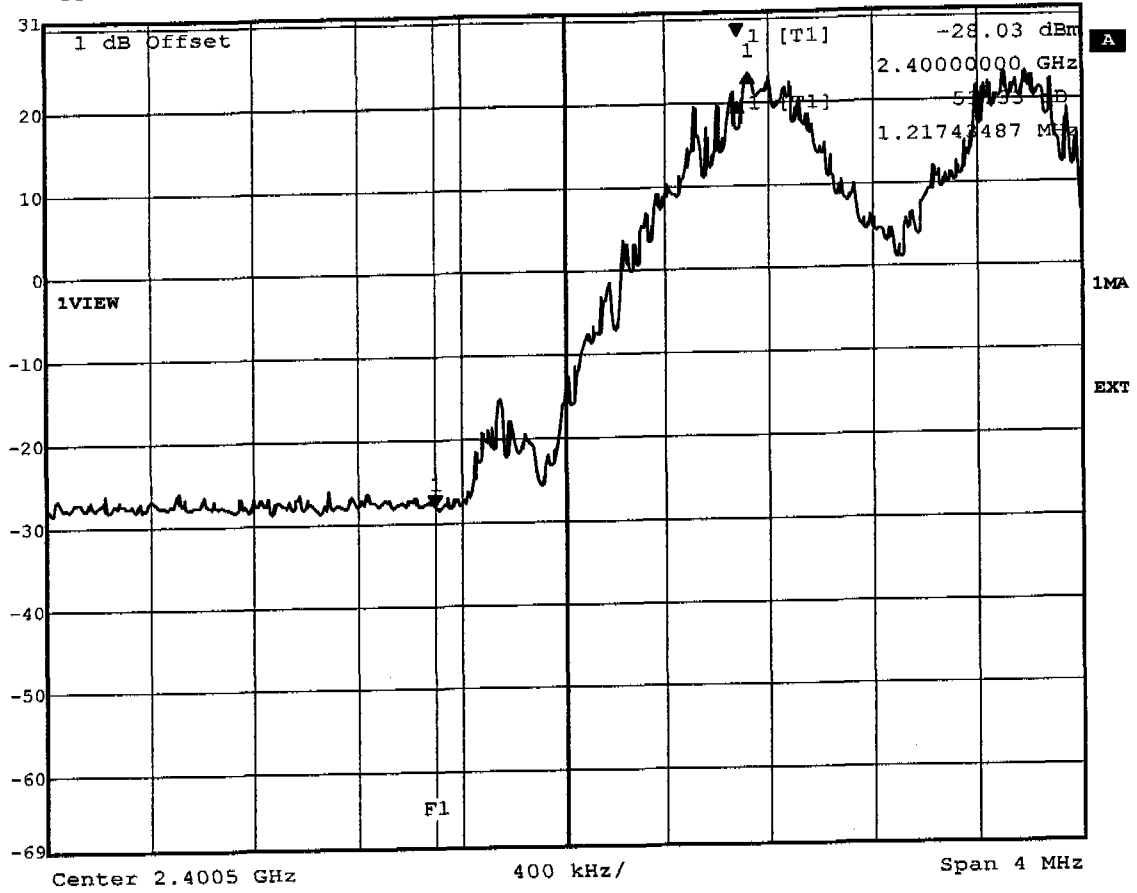
Delta 1 [T1] RBW 50 kHz RF Att 60 dB
Ref Lvl 52.04 dB VBW 50 kHz
31 dBm -2.36100200 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: IP600-ISM
Date: 16.OCT.2003 13:30:07



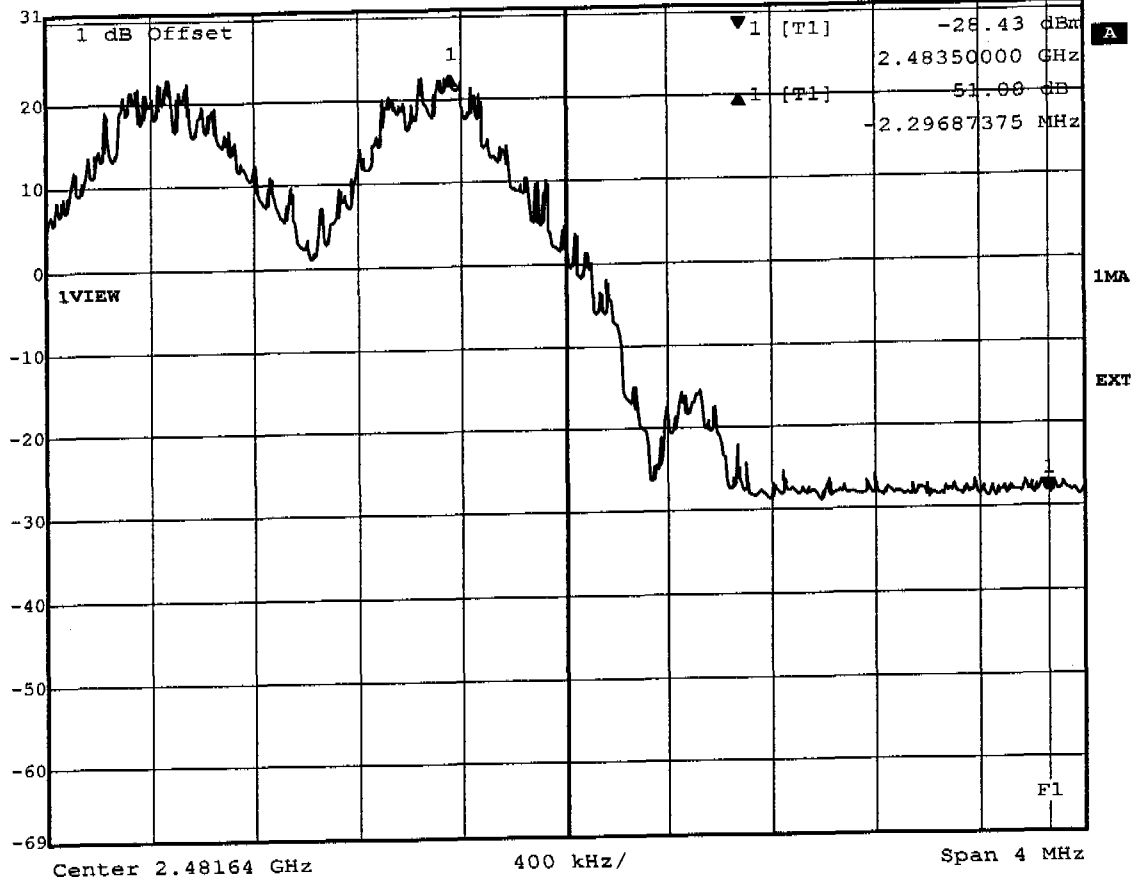
Delta 1 [T1] RBW 50 kHz RF Att 60 dB
Ref Lvl 51.33 dB VBW 50 kHz
31 dBm 1.21743487 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: IP600-ISM
Date: 16.OCT.2003 13:55:47



Delta 1 [T1] RBW 50 kHz RF Att 60 dB
Ref Lvl 51.08 dB VBW 50 kHz
31 dBm -2.29687375 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: IP600-ISM
Date: 16.OCT.2003 13:46:34



Appendix J

Conducted Measurement at (AC) Power Line

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

EUT: 2,4 GHz Communication System (Base)
 Manufacturer: KIRK telecom A/S
 Operating Condition: Unom: 120 VAC (AC/DC-adaptor), Thom: 23°C
 Test Site: ETS
 Operator: Mr. Jahn
 Test Specification: V-Network: ESH2-Z5
 Comment: model: IP600-ISM mode: LAN connection
 AC/DC-adaptor: ONTOP Model SA15-2406

