



## Appendix B

RF power output conducted



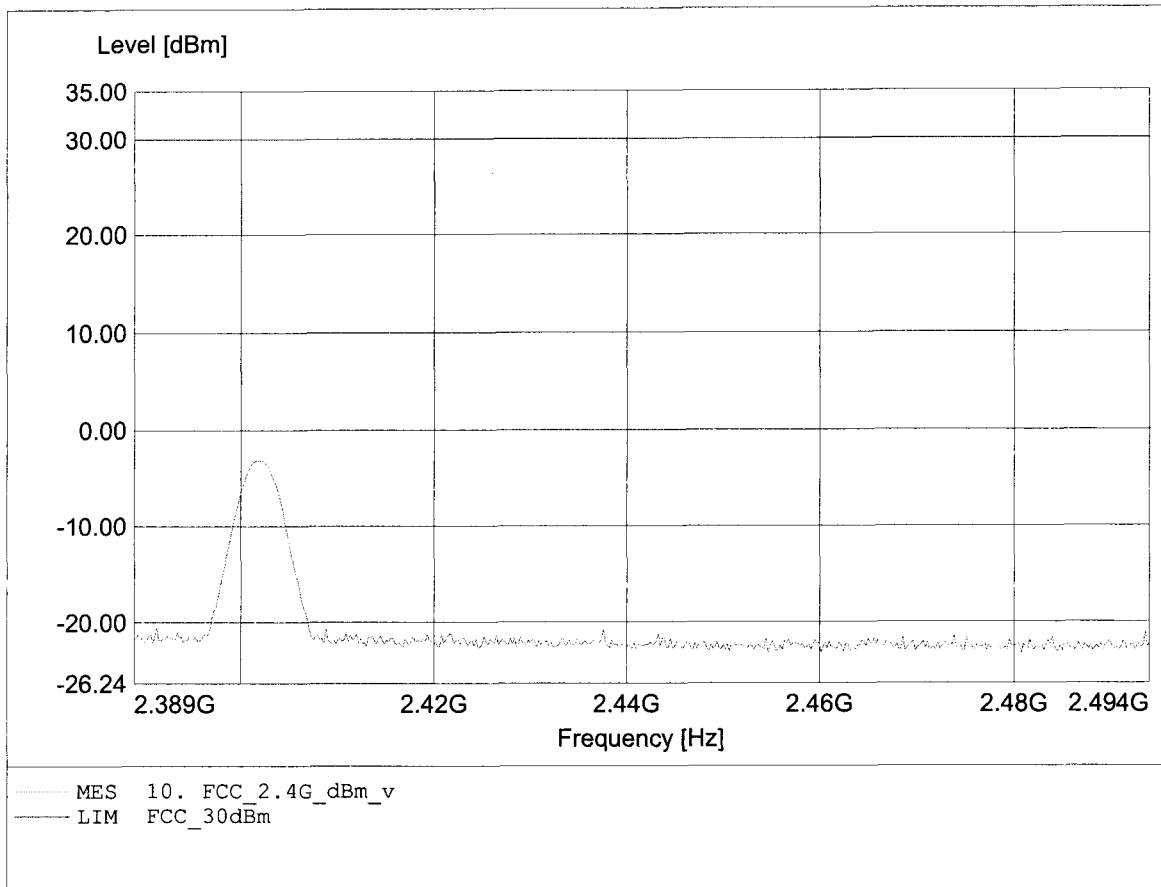
## Appendix C

RF power output radiated (EIRP)

**Carrier power (dBm)**

**FCC RULES PART 15, SUBPART C**

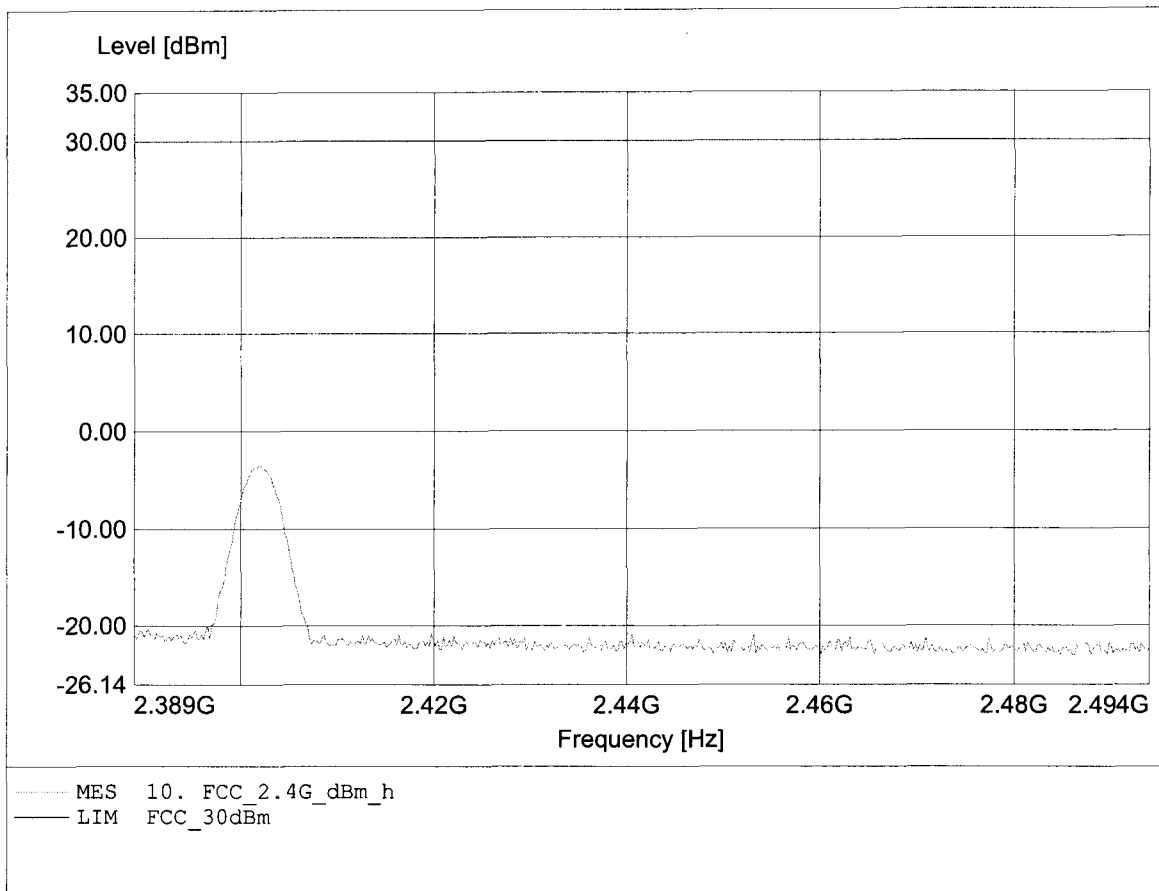
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 2.402GHz, Pmax: -3.08dBm, RBW: 5MHz



**Carrier power (dBm)**

**FCC RULES PART 15, SUBPART C**

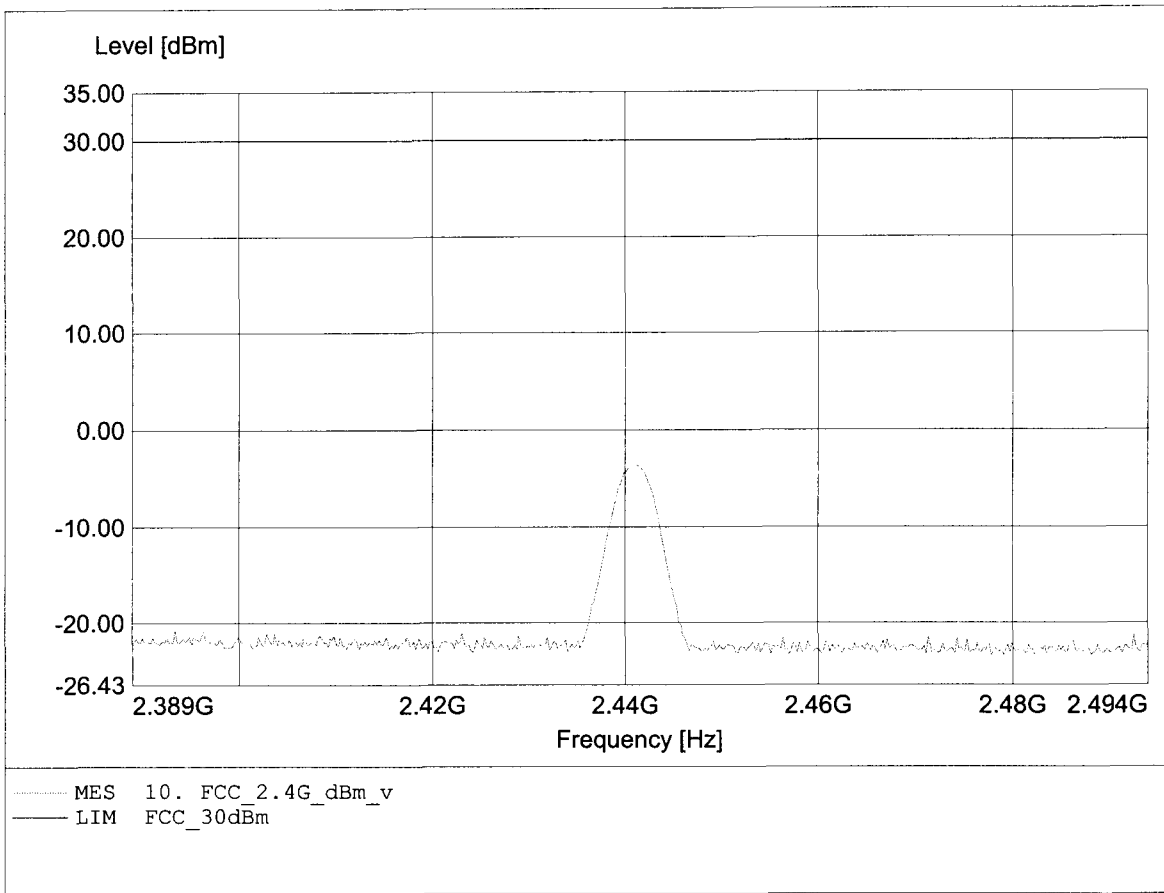
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 2.402GHz, Pmax: -3.51dBm, RBW: 5MHz



**Carrier power (dBm)**

**FCC RULES PART 15, SUBPART C**

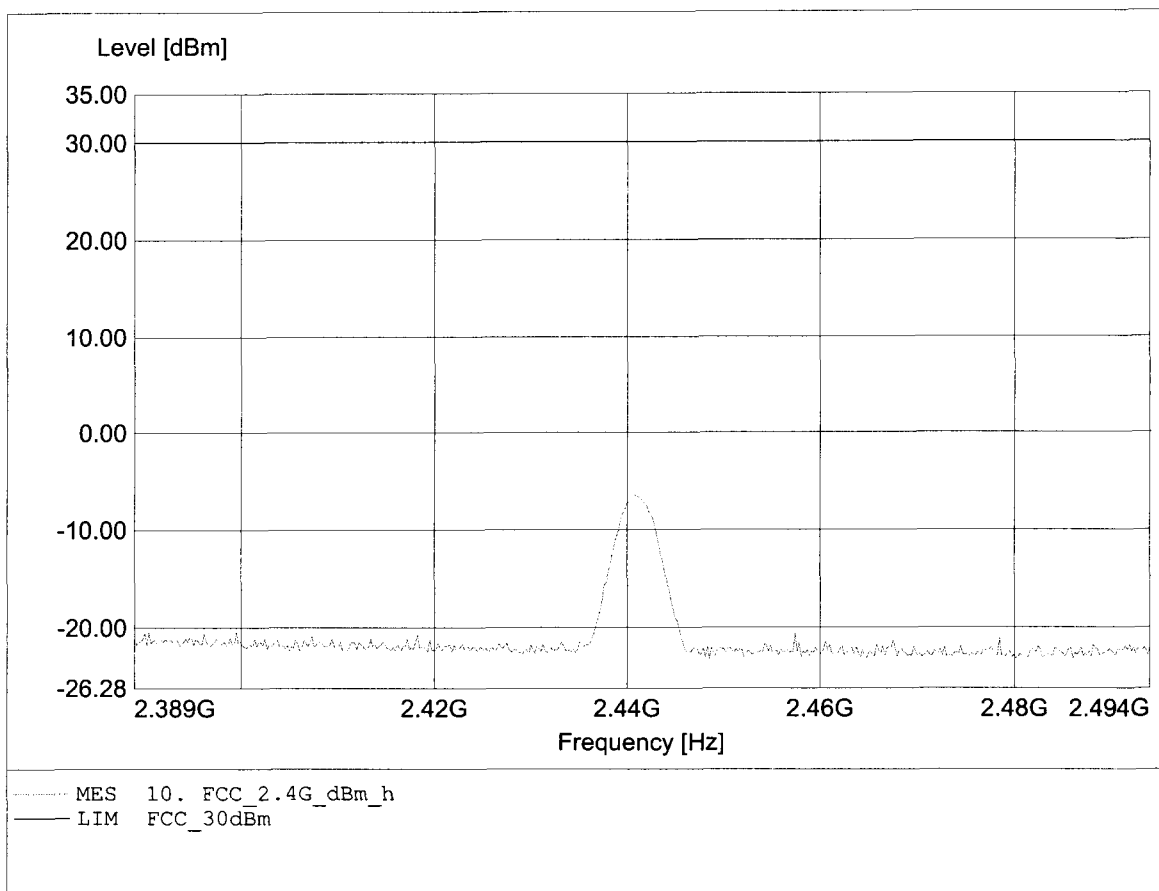
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 2.441GHz, Pmax: -3.58dBm, RBW: 5MHz



**Carrier power (dBm)**

**FCC RULES PART 15, SUBPART C**

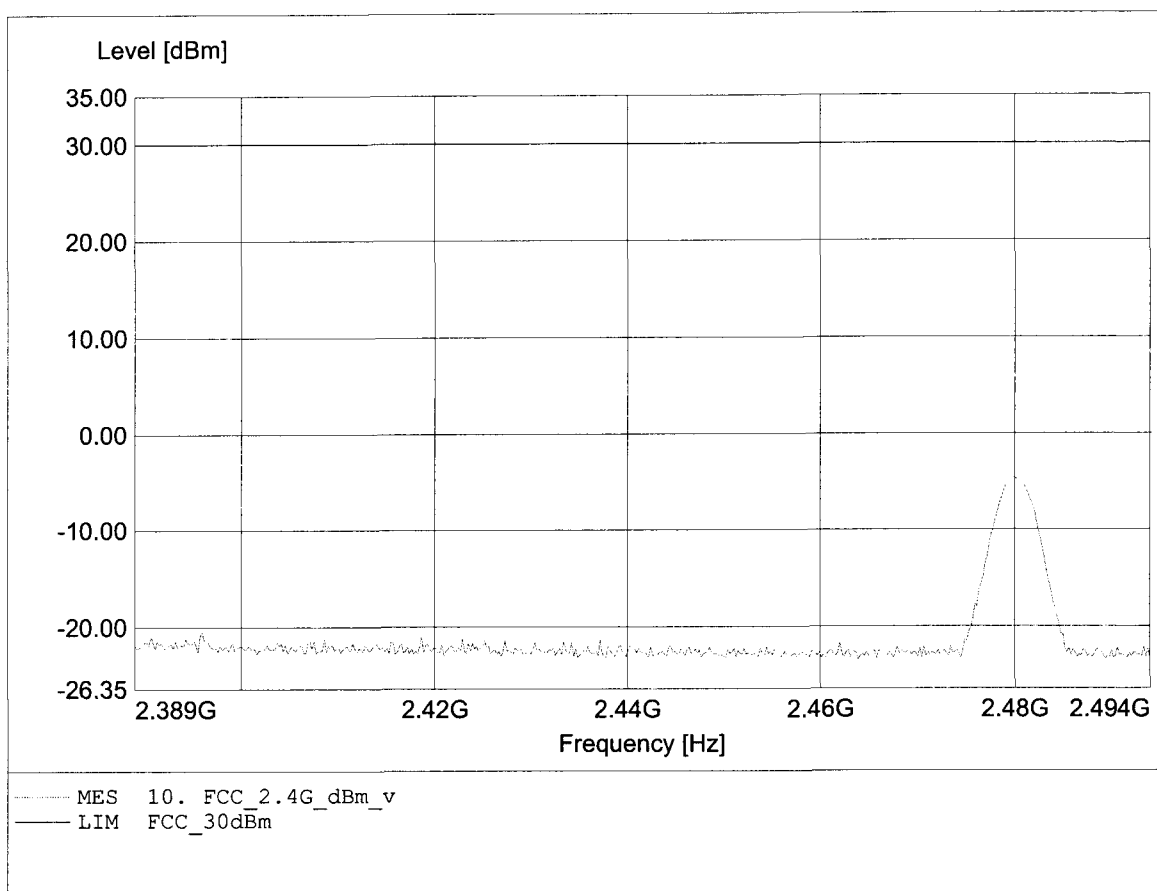
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 2.441GHz, Pmax: -6.52dBm, RBW: 5MHz



**Carrier power (dBm)**

**FCC RULES PART 15, SUBPART C**

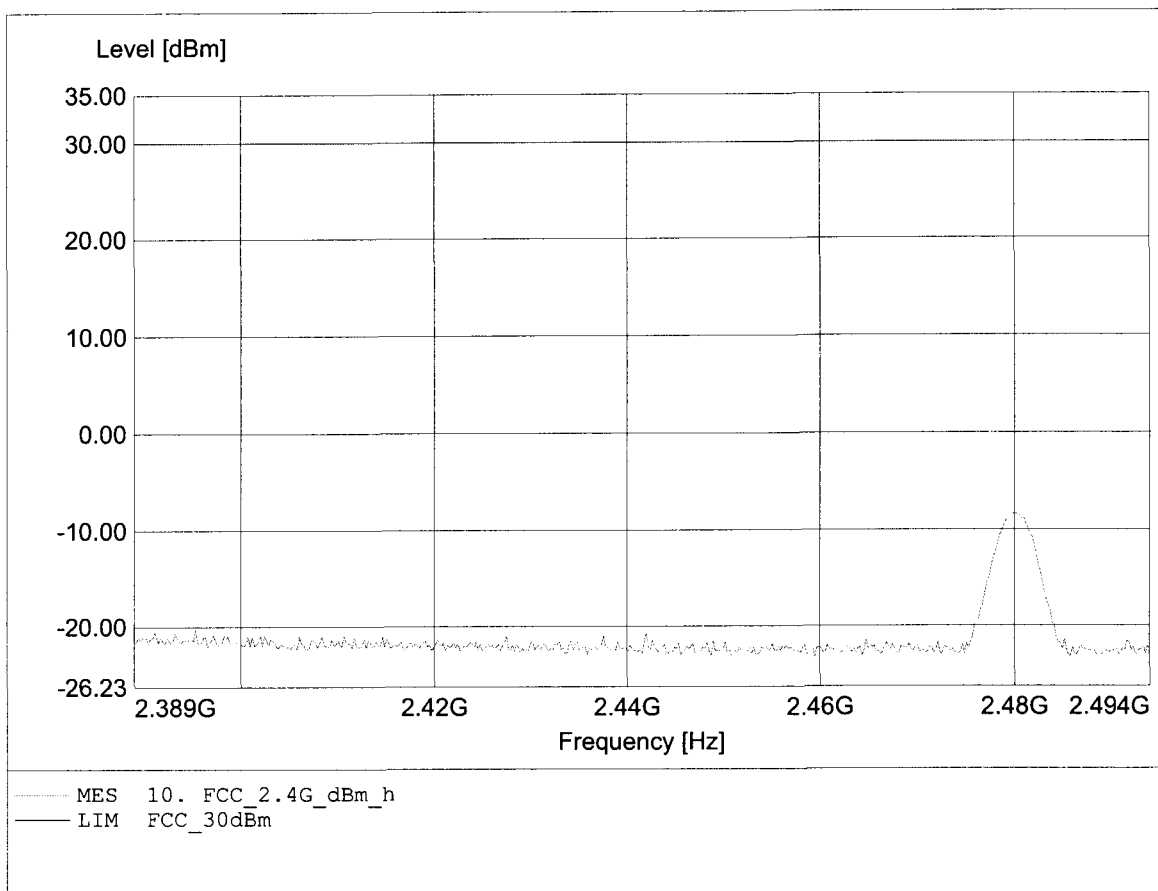
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 2.480GHz, Pmax: -4.61dBm, RBW: 5MHz



**Carrier power (dBm)**

**FCC RULES PART 15, SUBPART C**

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 2.480GHz, Pmax: -8.36dBm, RBW: 5MHz







## Appendix D

20 dB bandwidth

## Appendix E

Time of occupancy (dwell time)

## Appendix F

Number of hopping frequencies

## Appendix G

Carrier frequency separation



## Appendix H

Spurious emission conducted

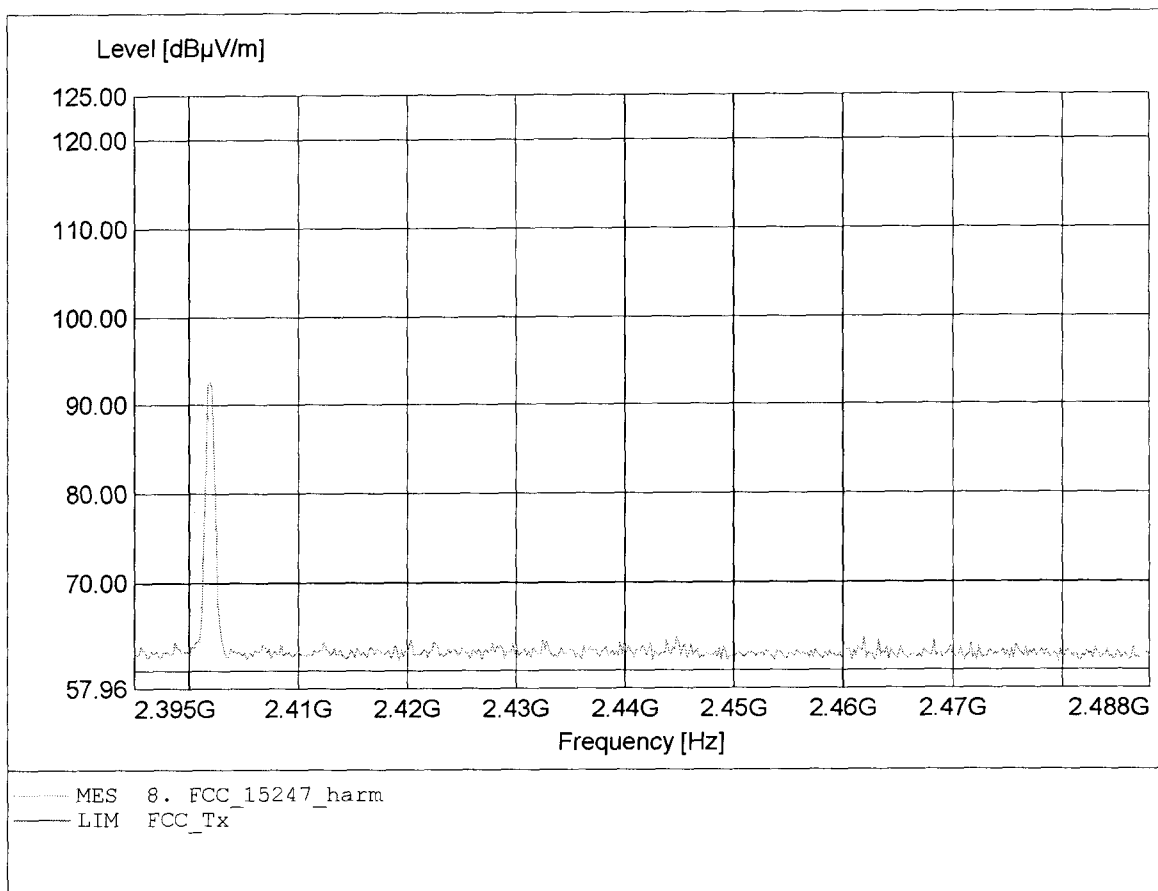
## Appendix I

Spurious emission radiated

**Carrier power (Field Strength)**

**FCC RULES PART 15, SUBPART C**

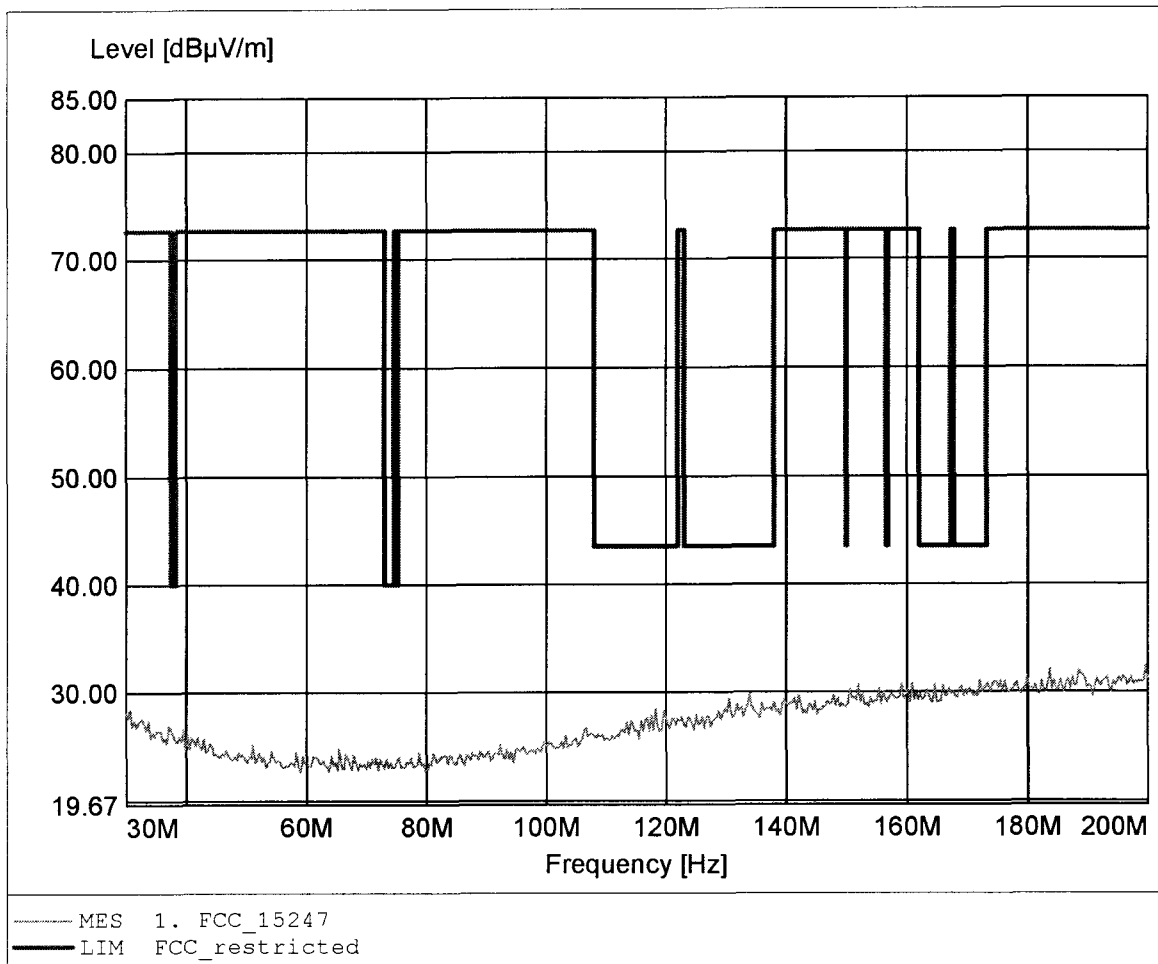
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL025  
Comment 2: Freq: 2.402GHz, Emax: 92.66dBµV/m, RBW: 100kHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2402 MHz  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 199.659MHz, Emax: 32.41dBµV/m, RBW: 100kHz

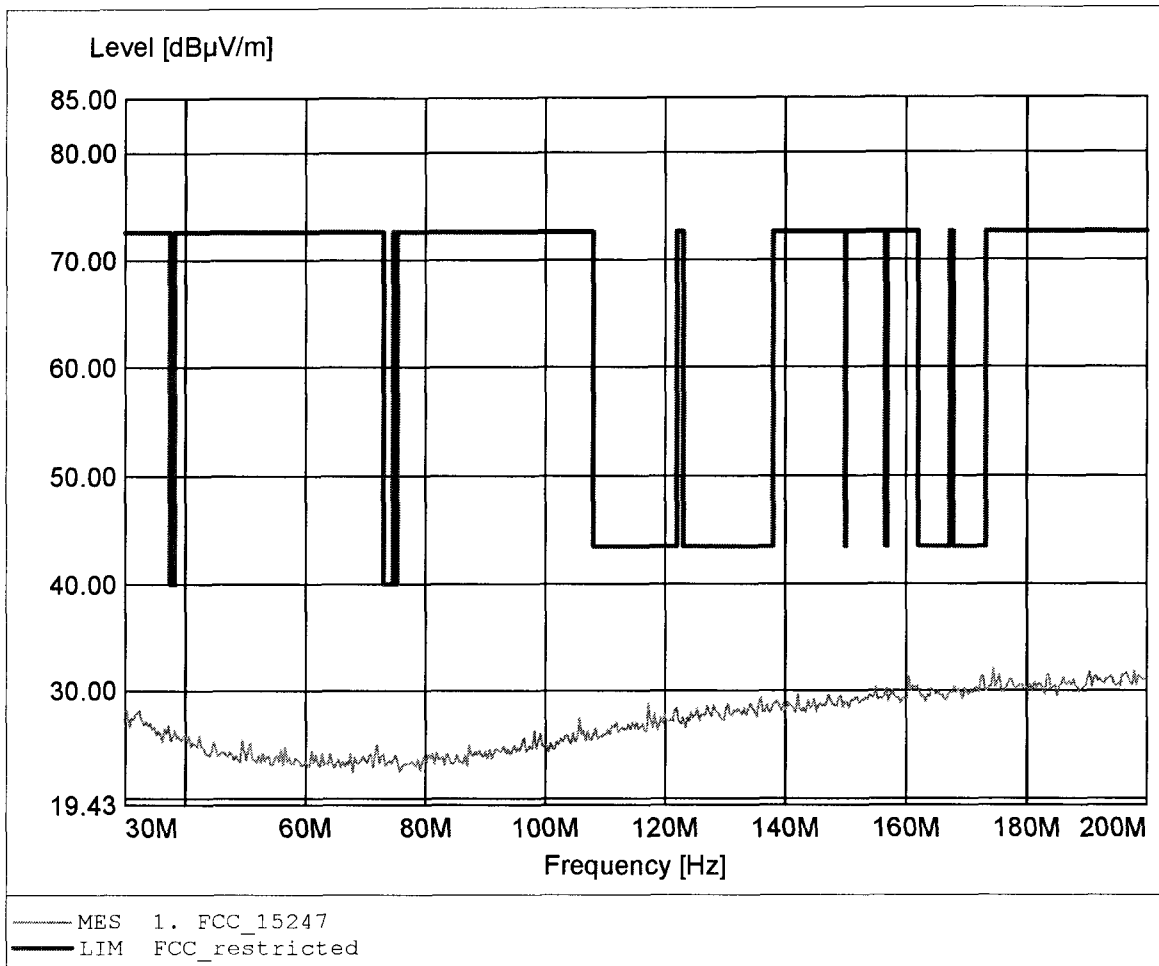




**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

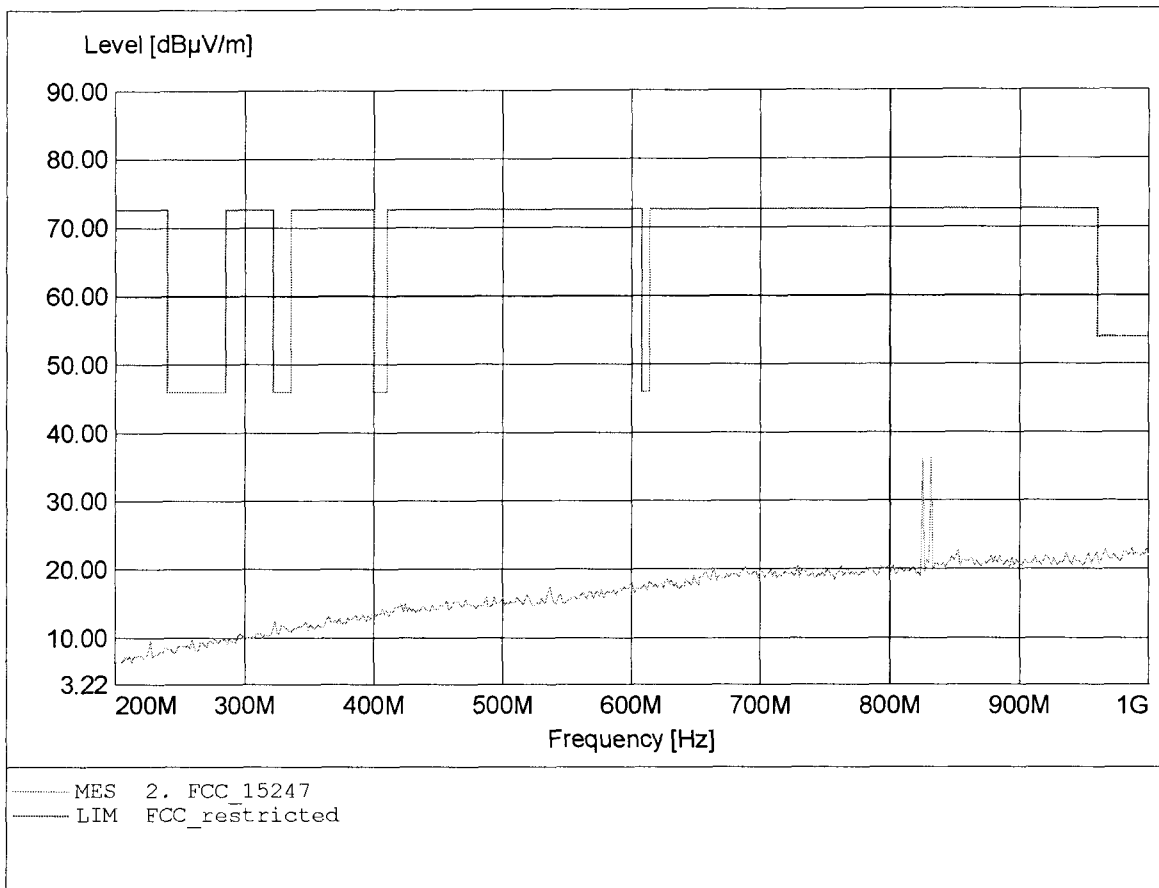
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2402 MHz  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 174.449MHz, Emax: 32.03dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

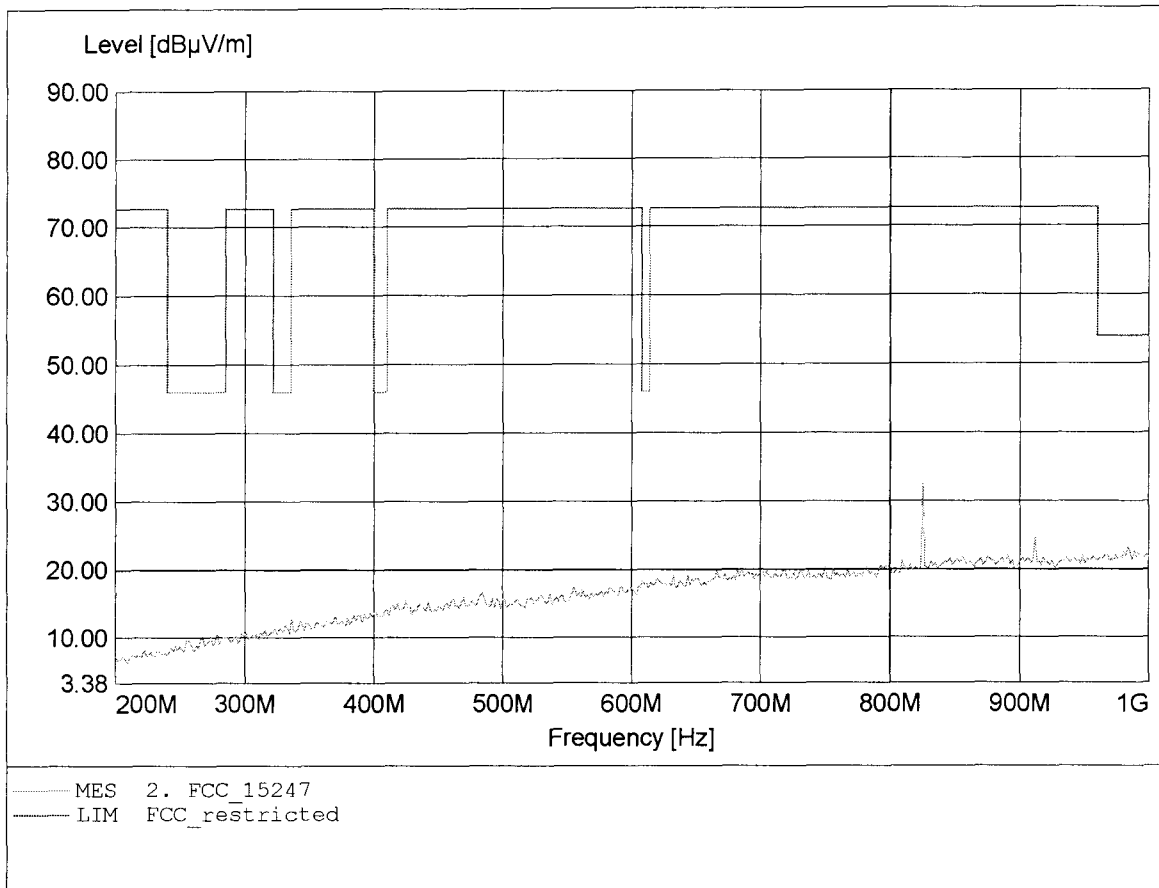
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 831.663MHz, Emax: 36.30dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

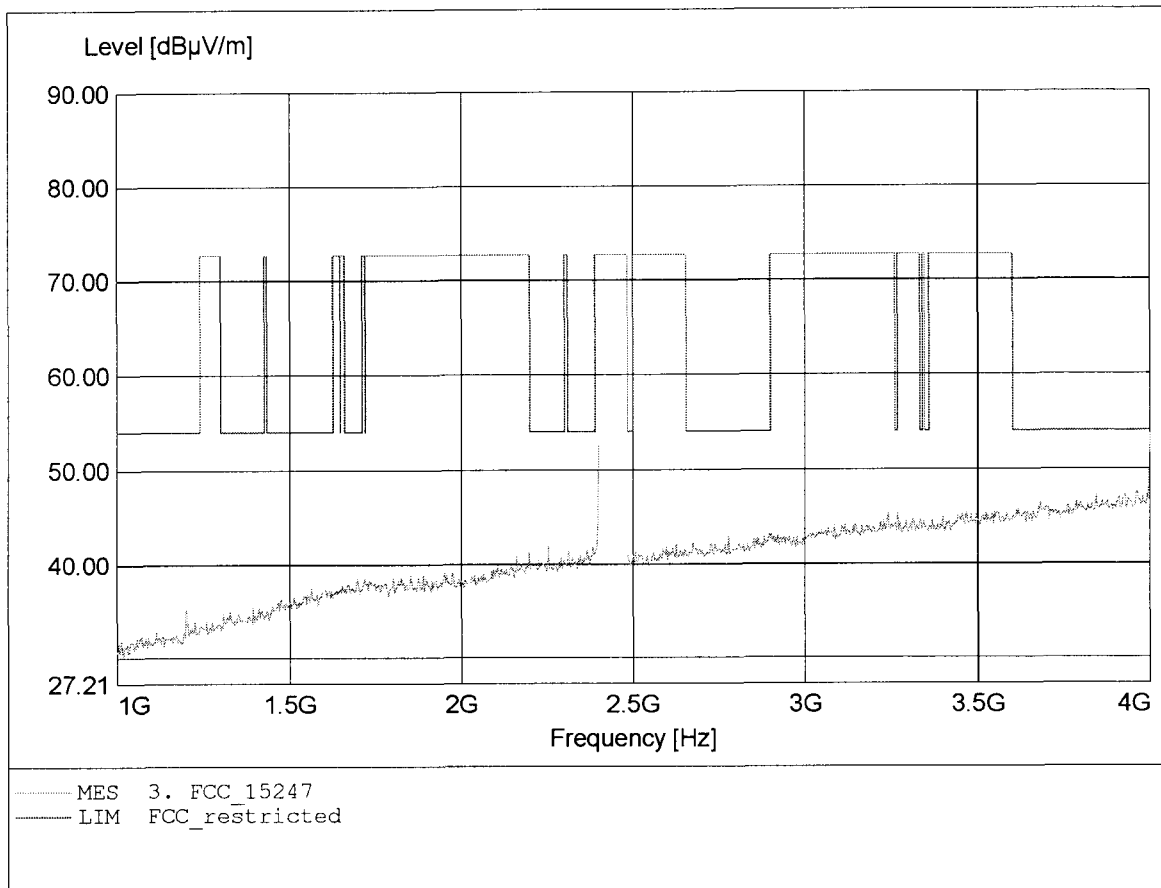
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 825.251MHz, Emax: 32.71dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

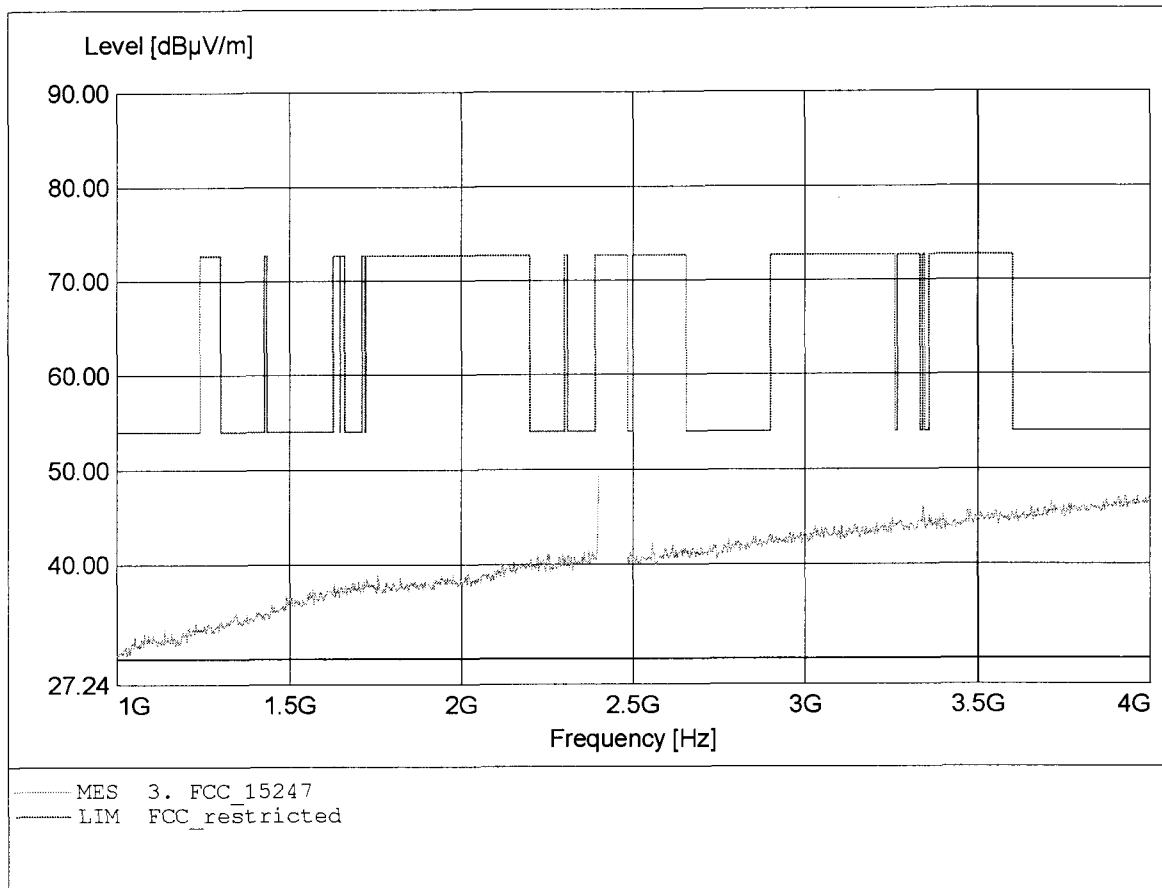
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 4.000GHz, Emax: 53.73dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

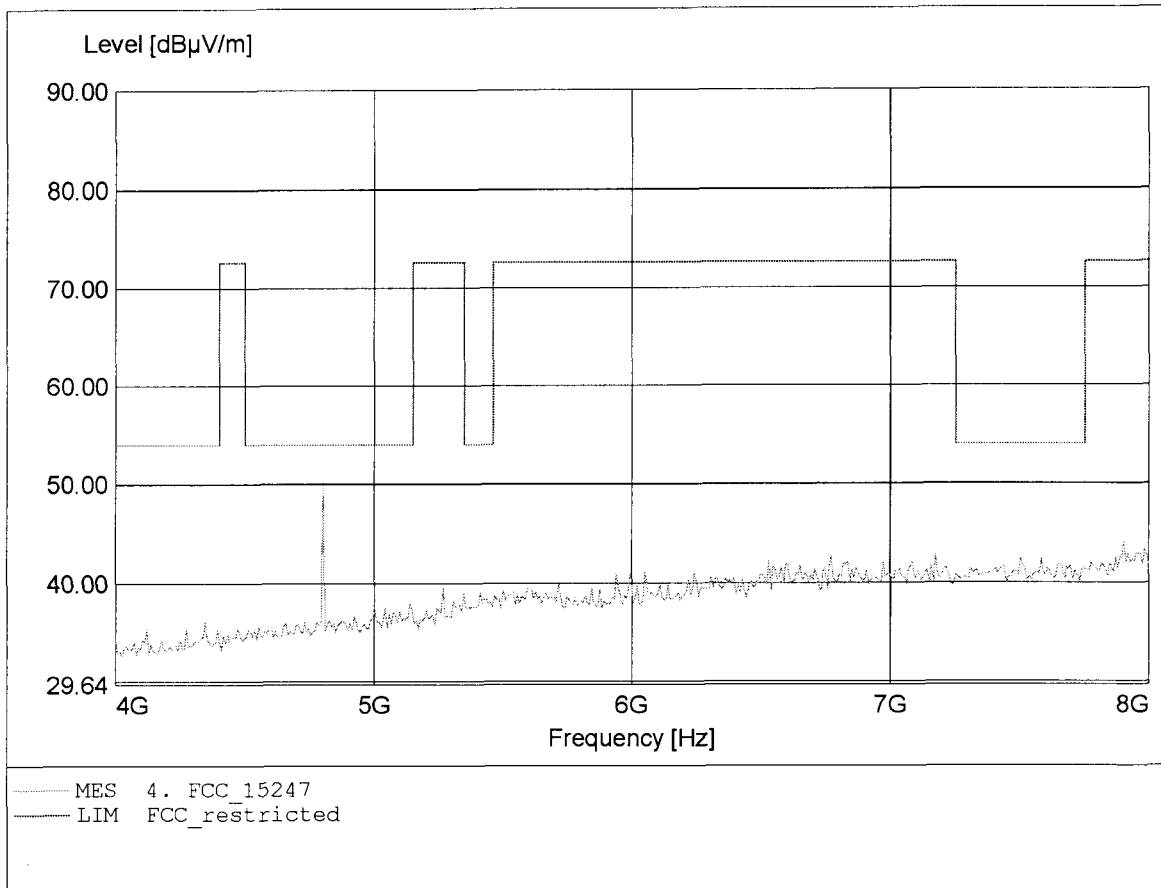
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 2.400GHz, Emax: 49.29dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

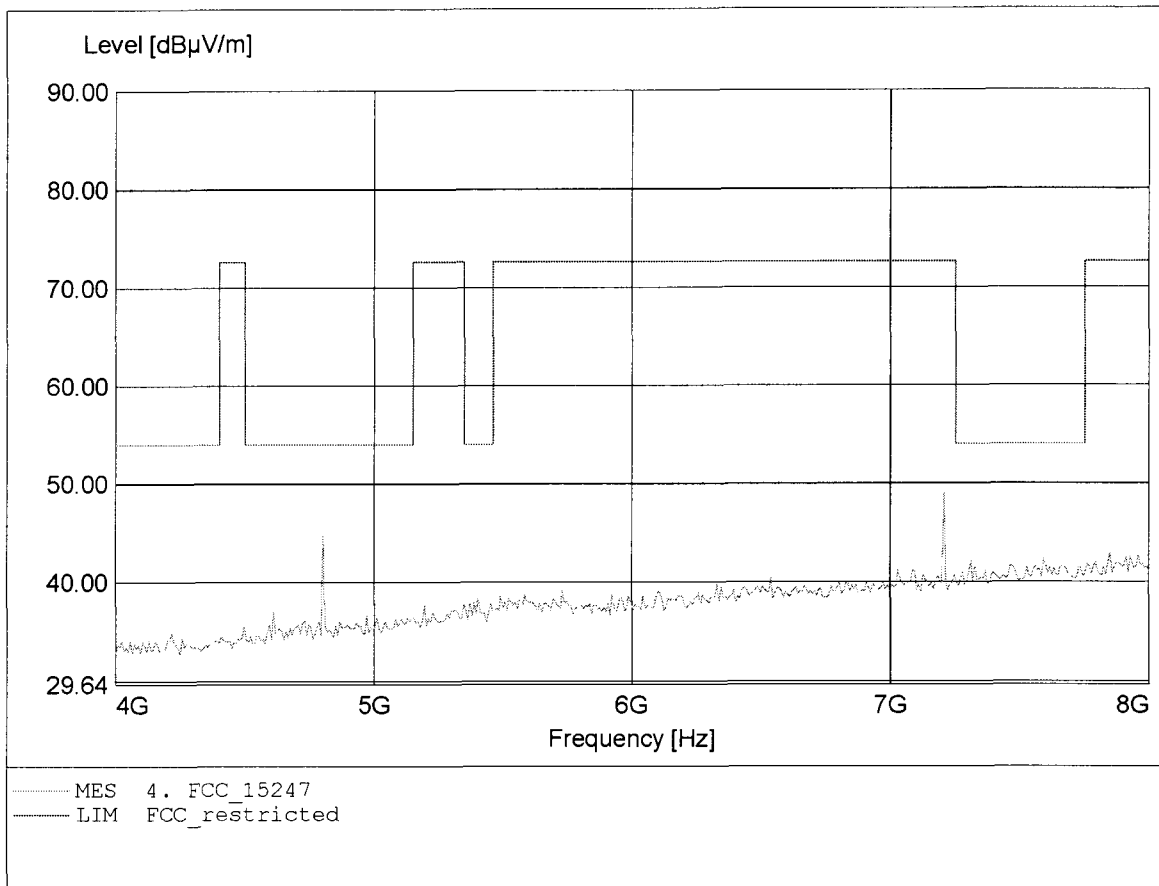
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 4.802GHz, Emax: 50.25dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

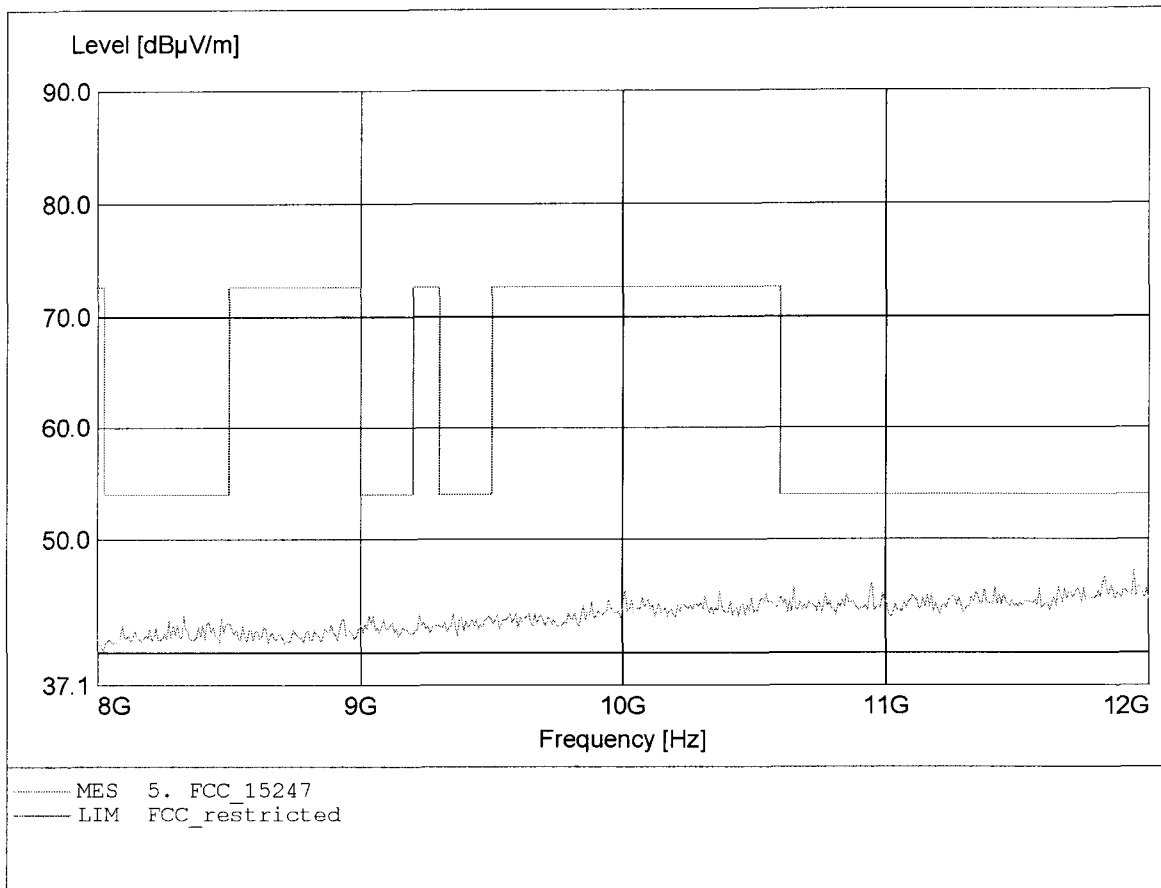
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.206GHz, Emax: 49.00dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.944GHz, Emax: 47.32dBµV/m, RBW: 1MHz

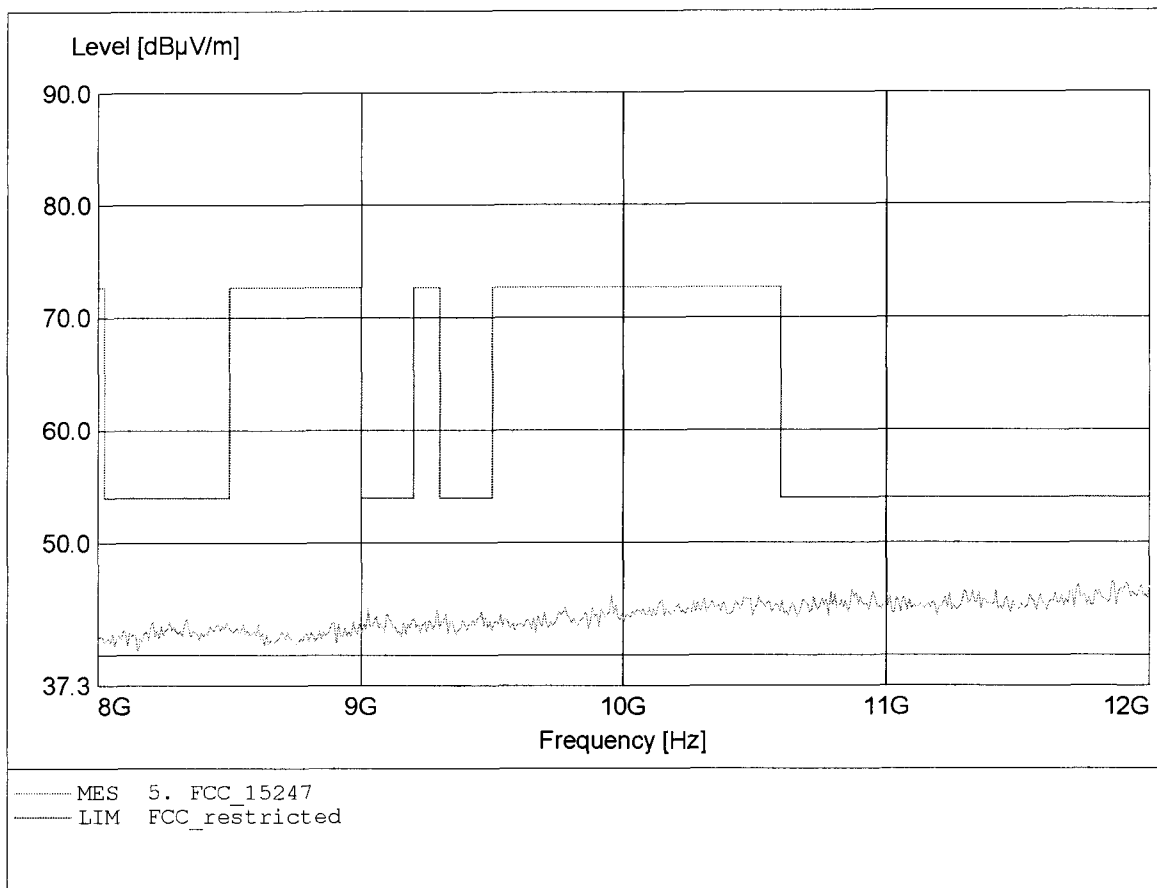




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

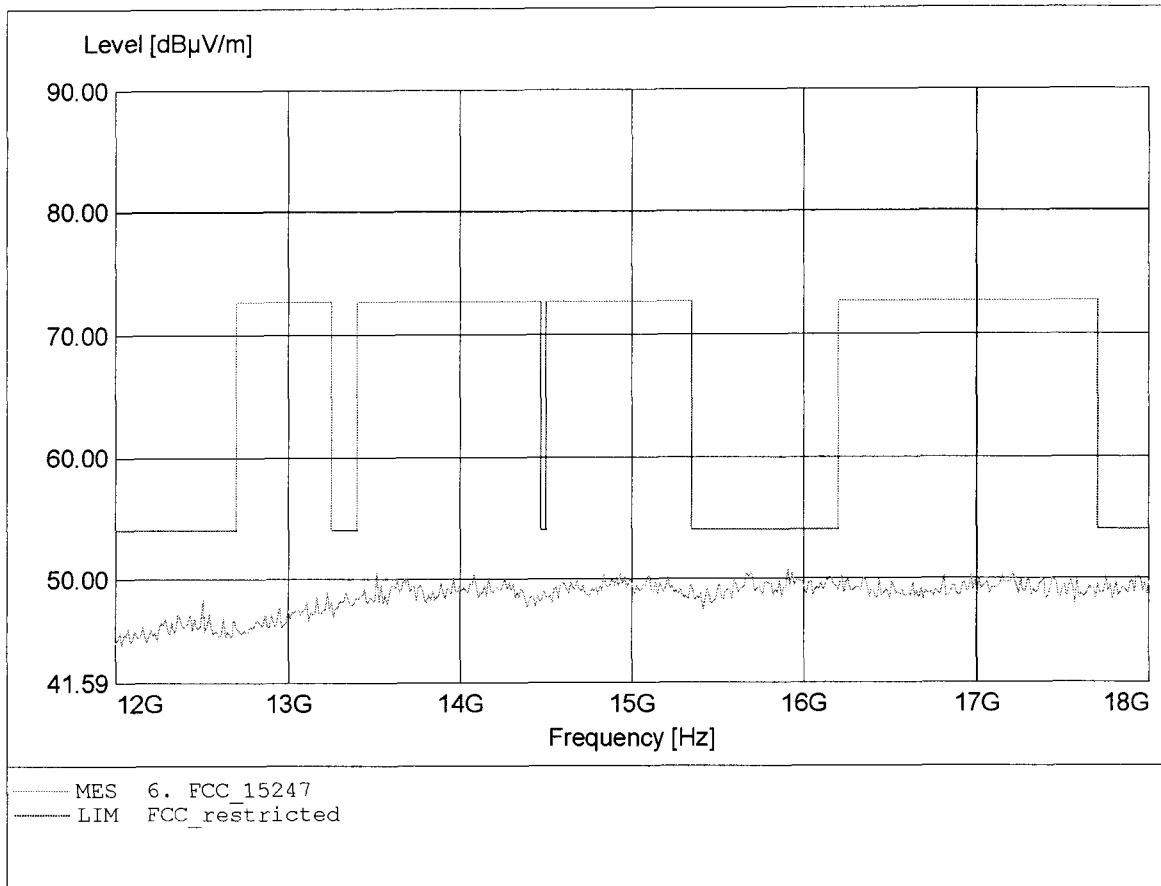
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.856GHz, Emax: 46.63dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

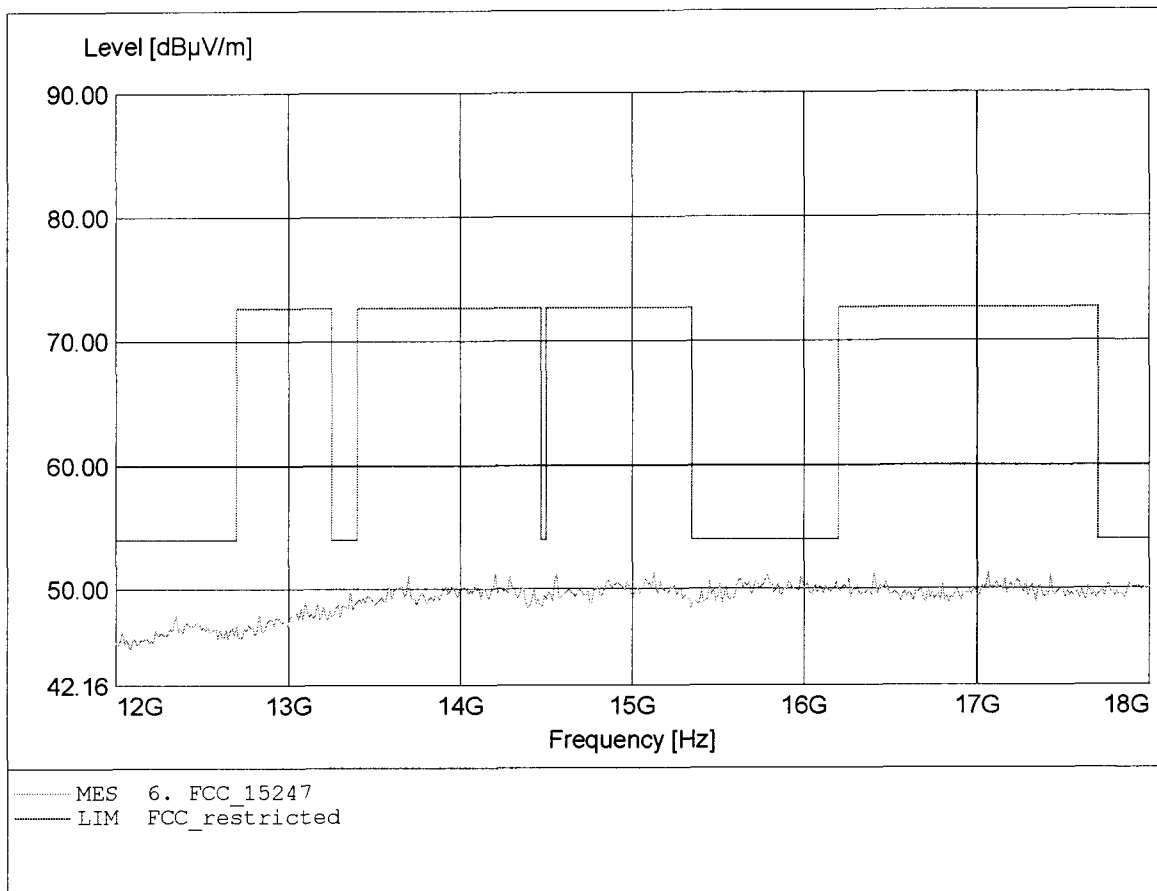
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.908GHz, Emax: 50.76dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

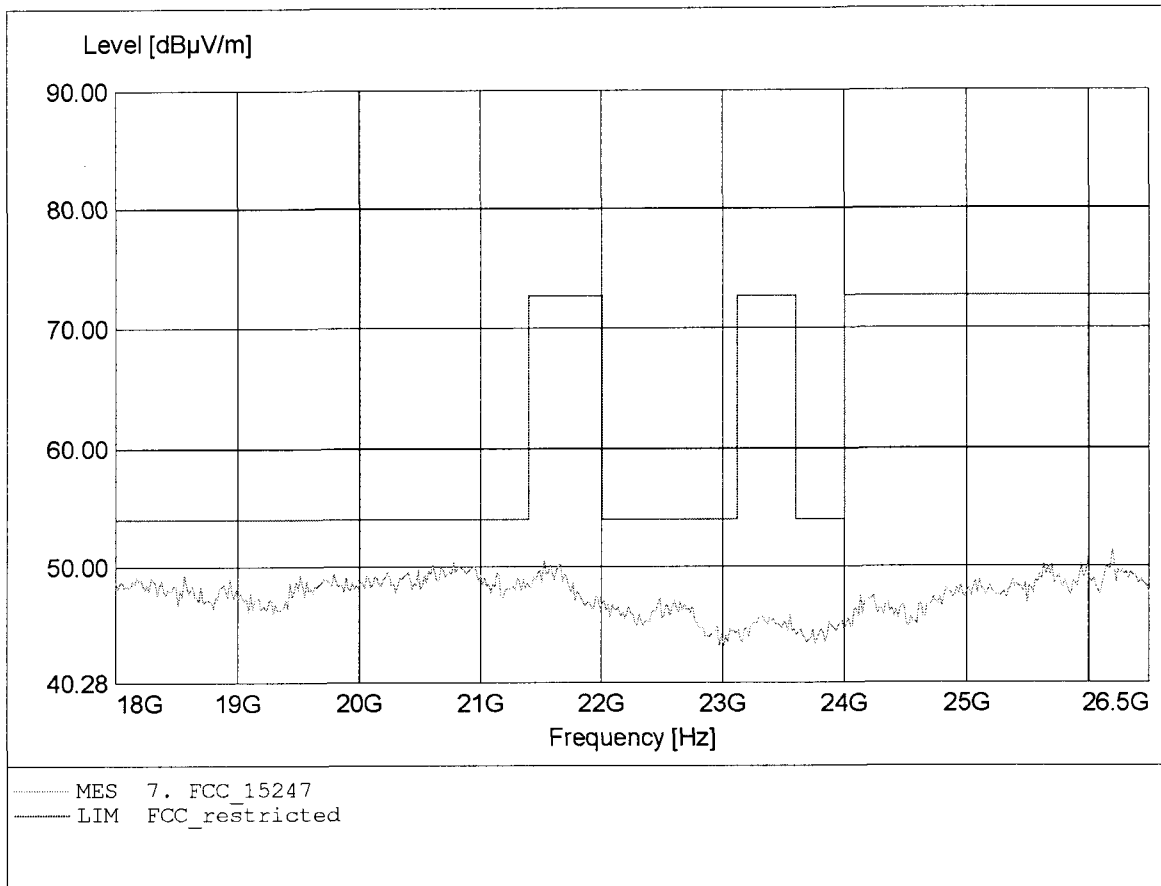
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.126GHz, Emax: 51.33dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

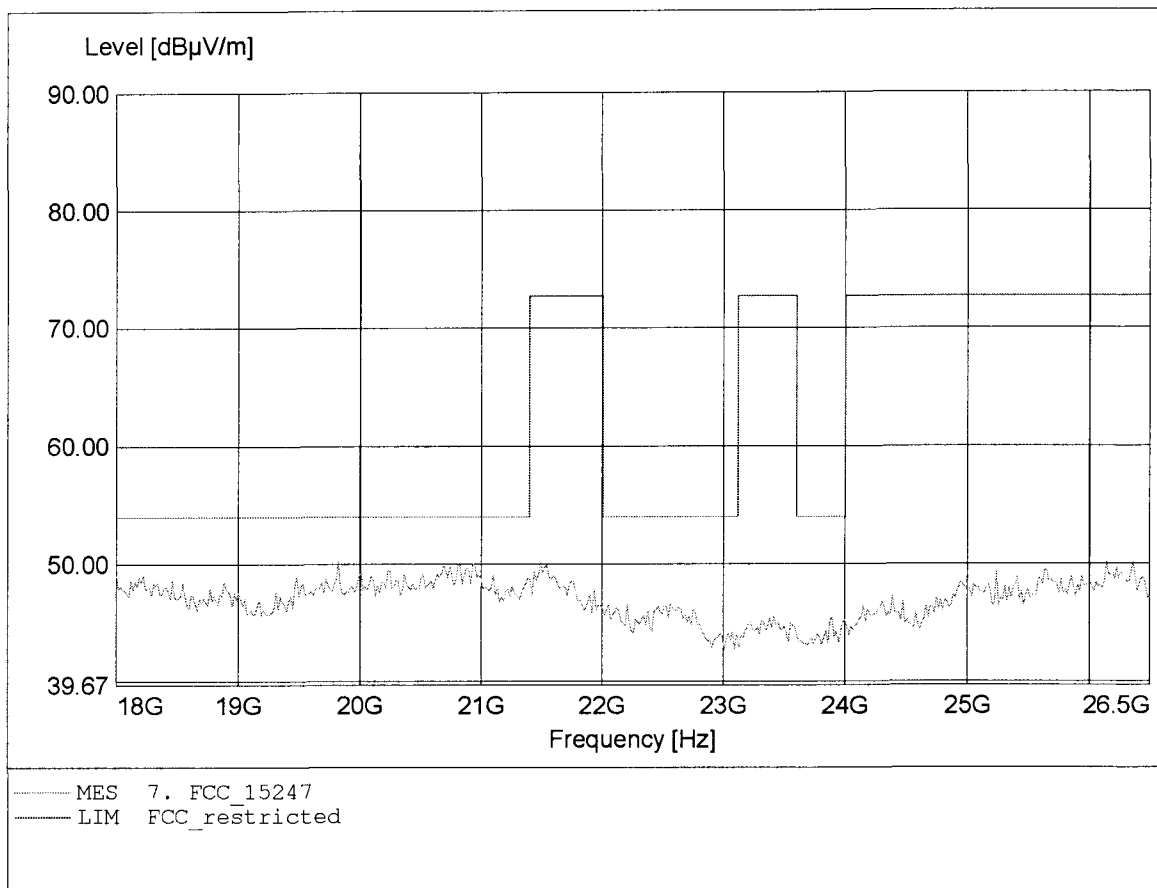
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.193GHz, Emax: 51.40dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

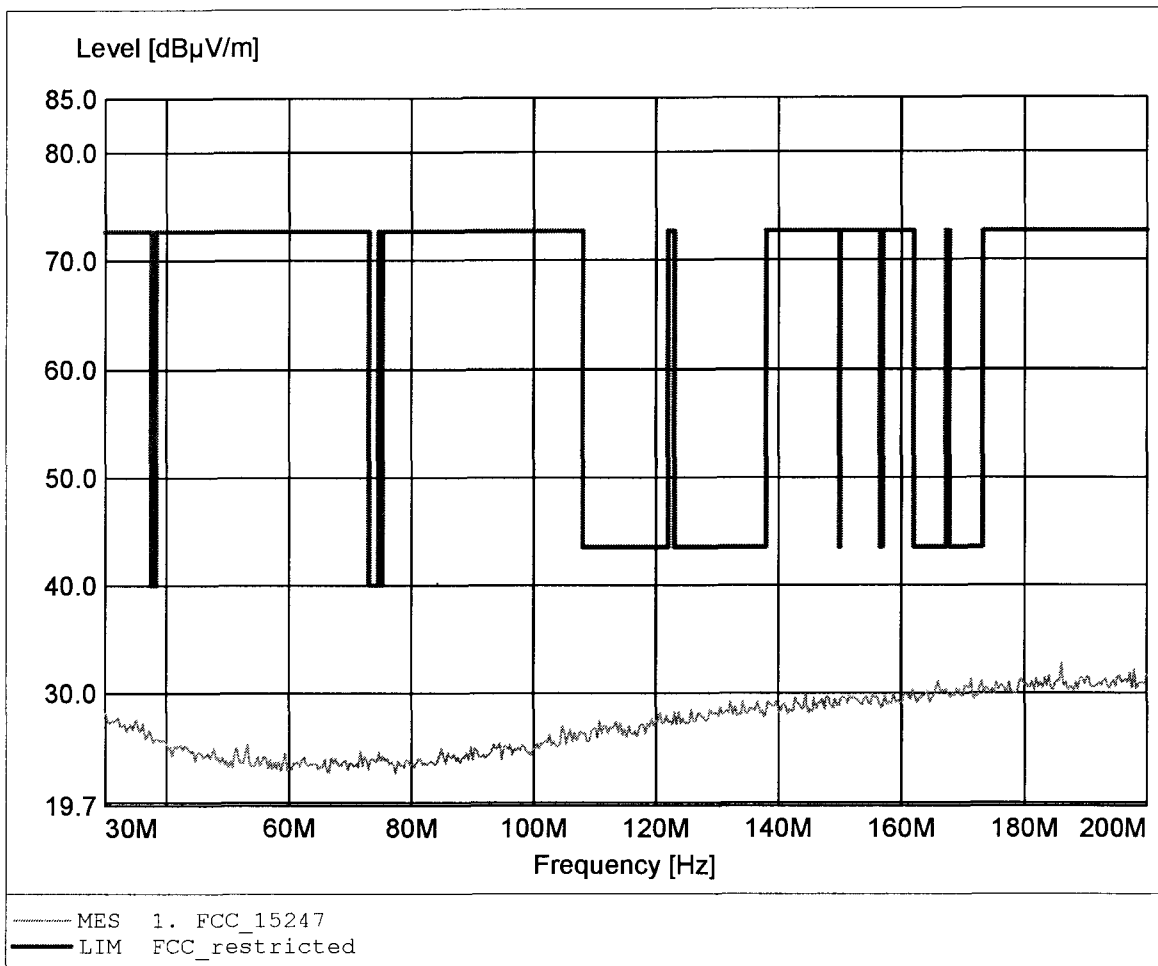
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2402 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 19.823GHz, Emax: 50.22dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

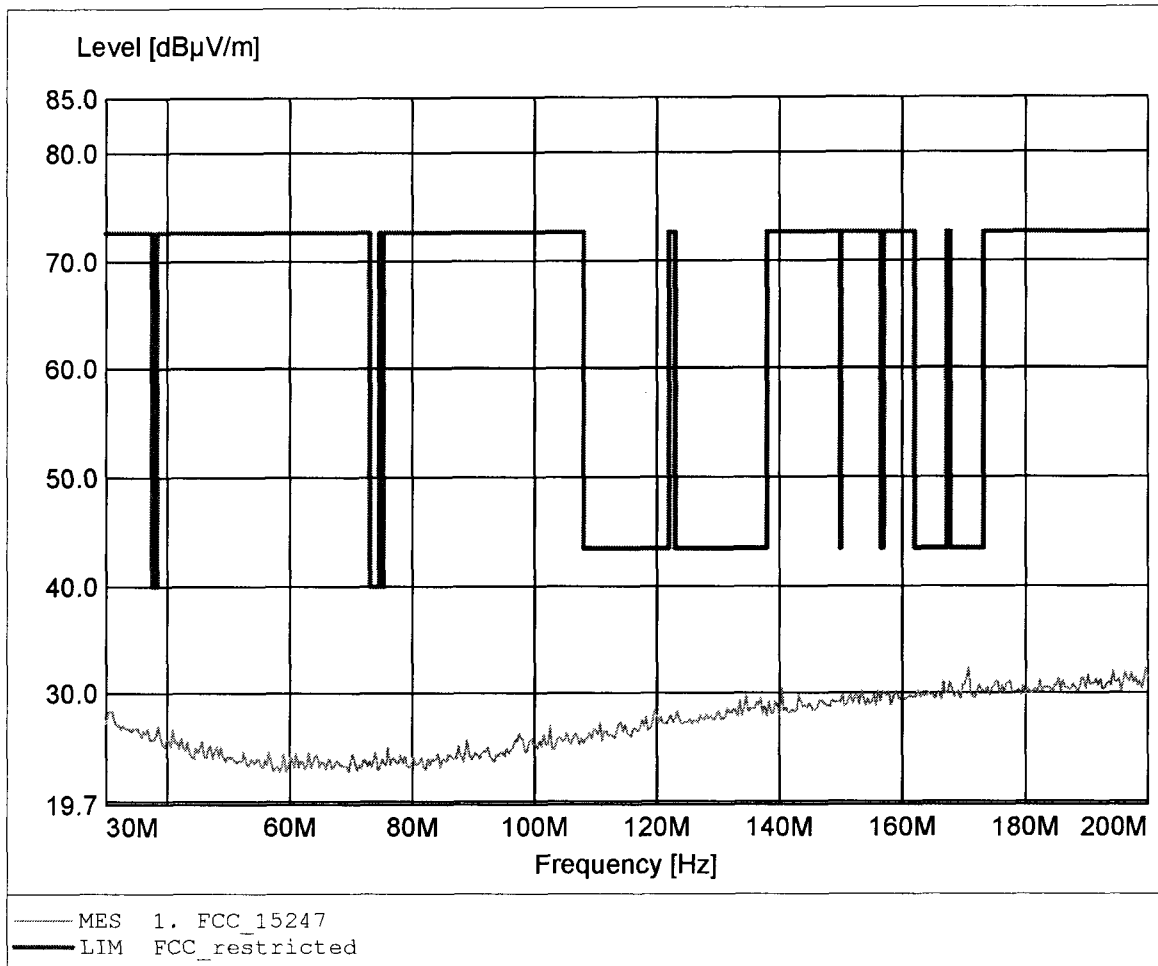
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 186.032MHz, Emax: 32.81dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

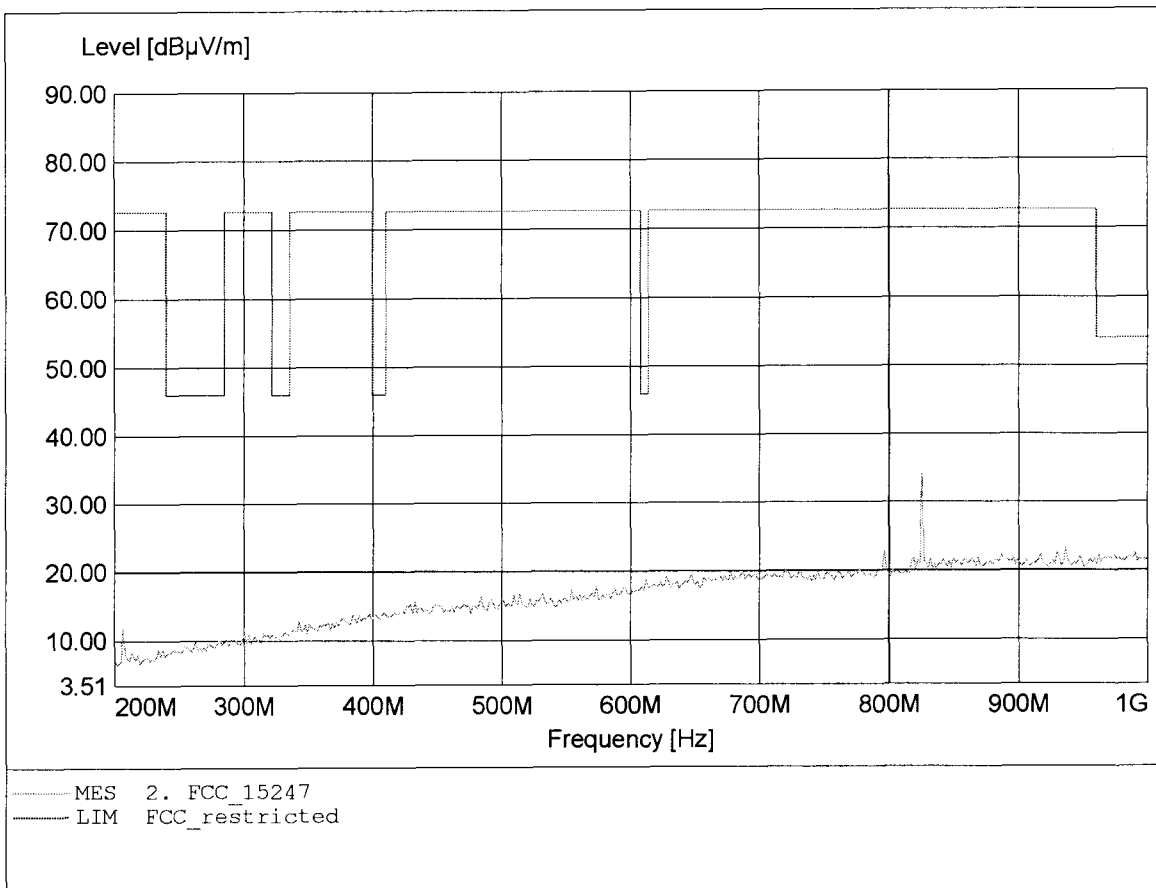
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 170.701MHz, Emax: 32.29dBµV/m, RBW: 100kHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 825.251MHz, Emax: 34.10dBµV/m, RBW: 100kHz

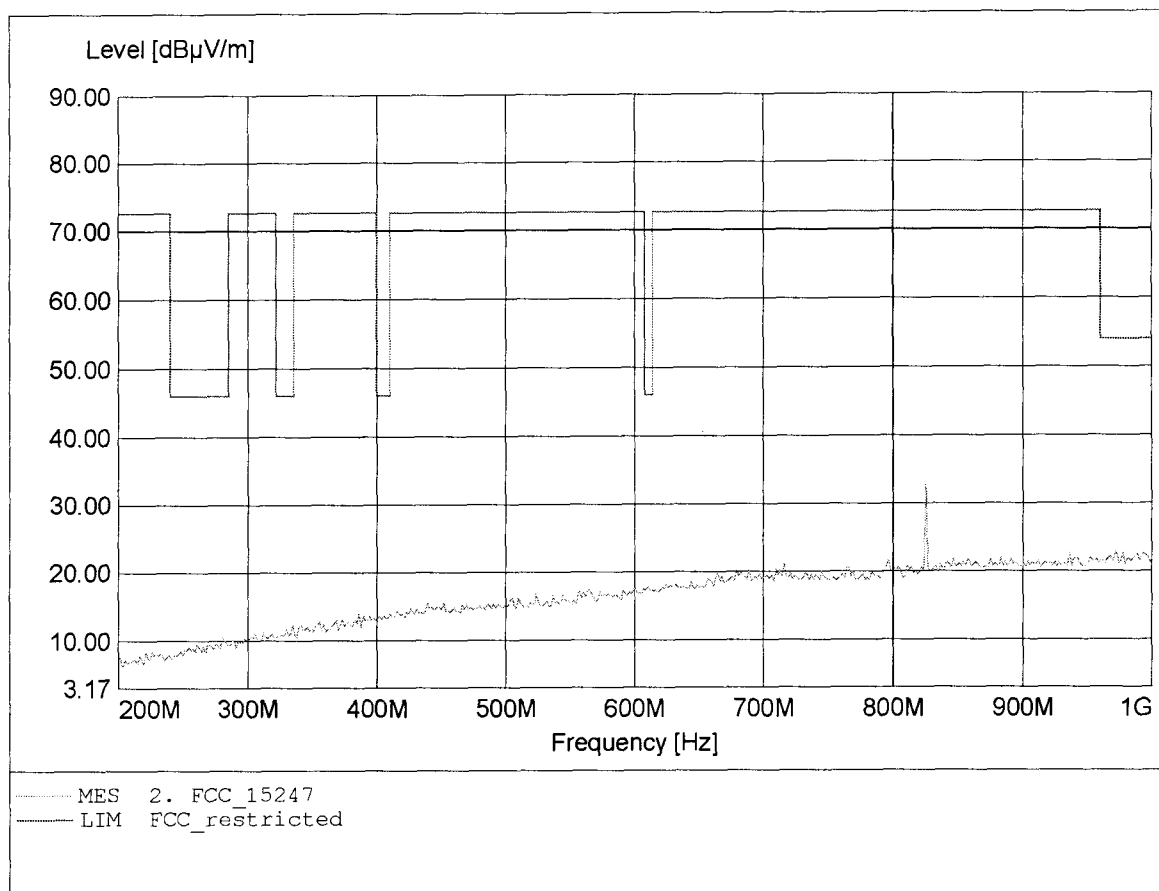




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

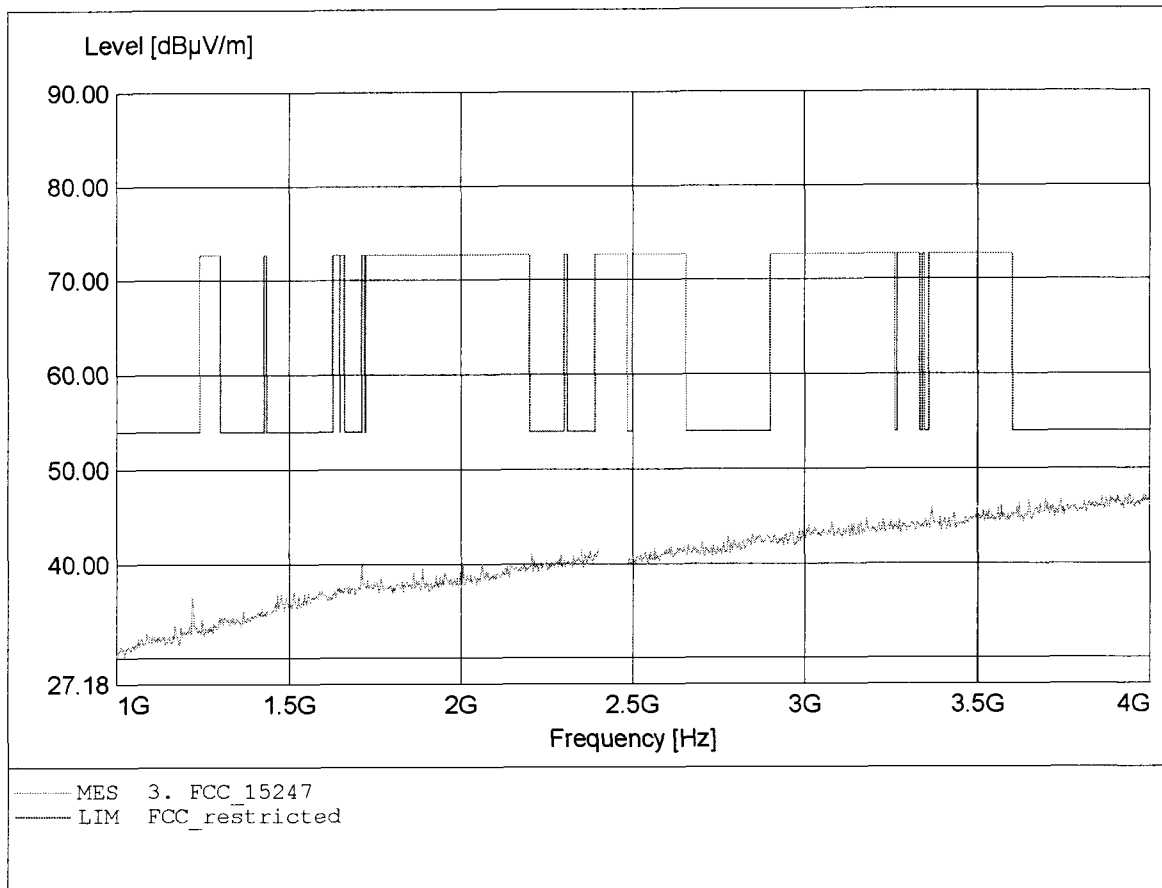
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 825.251MHz, Emax: 32.91dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

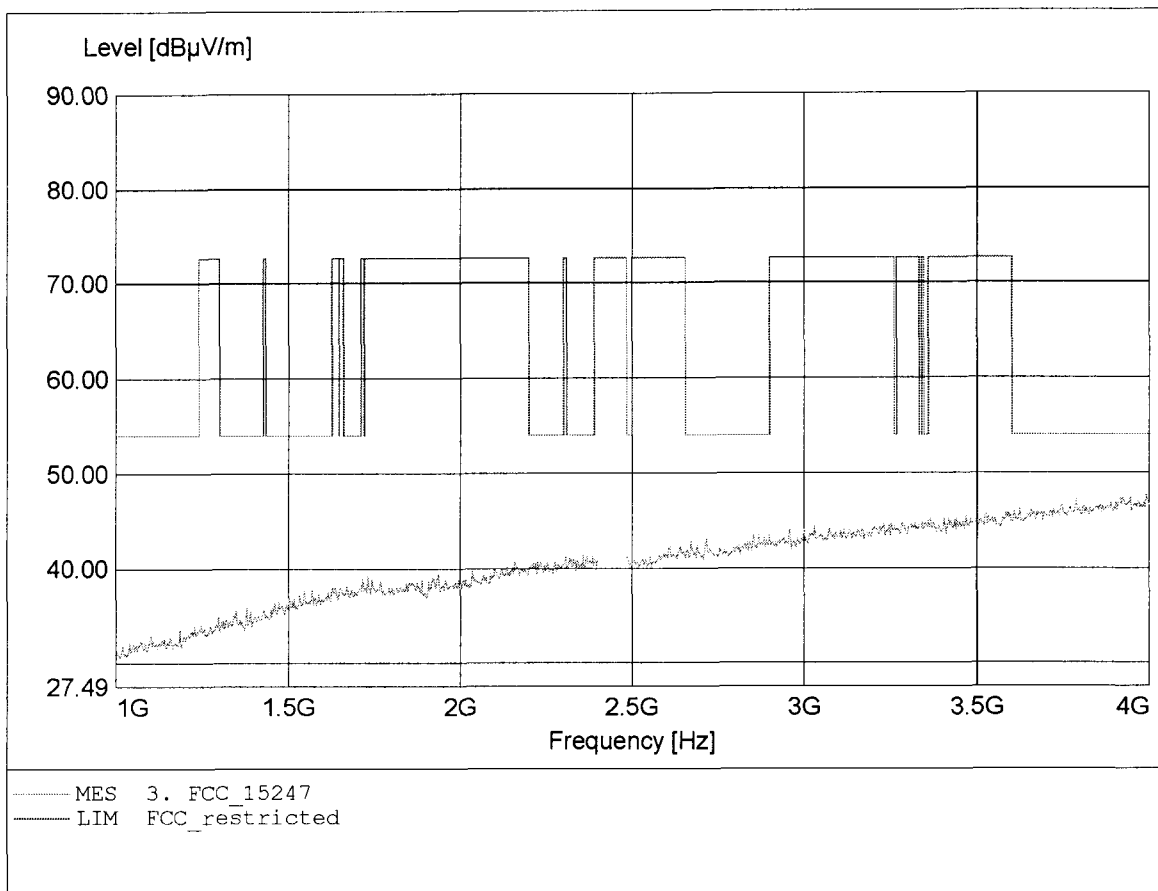
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 3.942GHz, Emax: 47.25dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

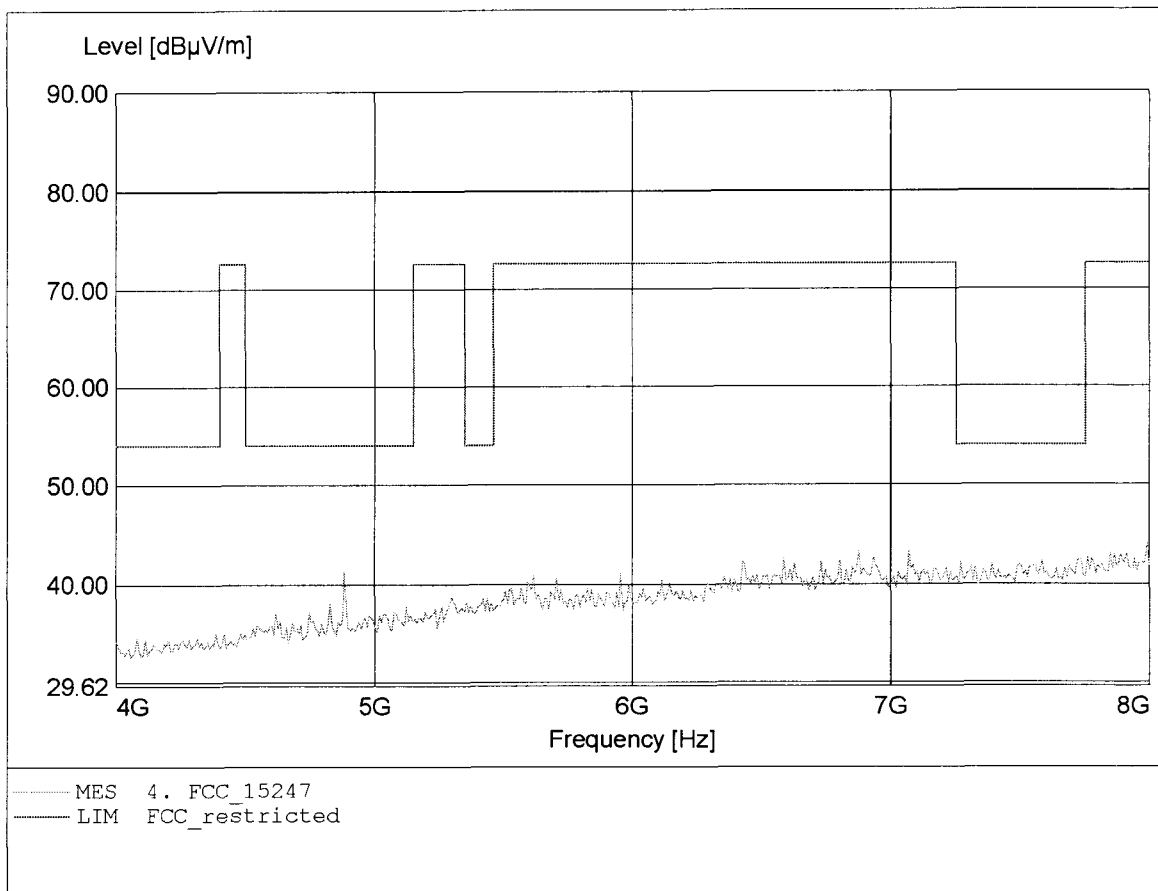
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 3.991GHz, Emax: 47.62dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

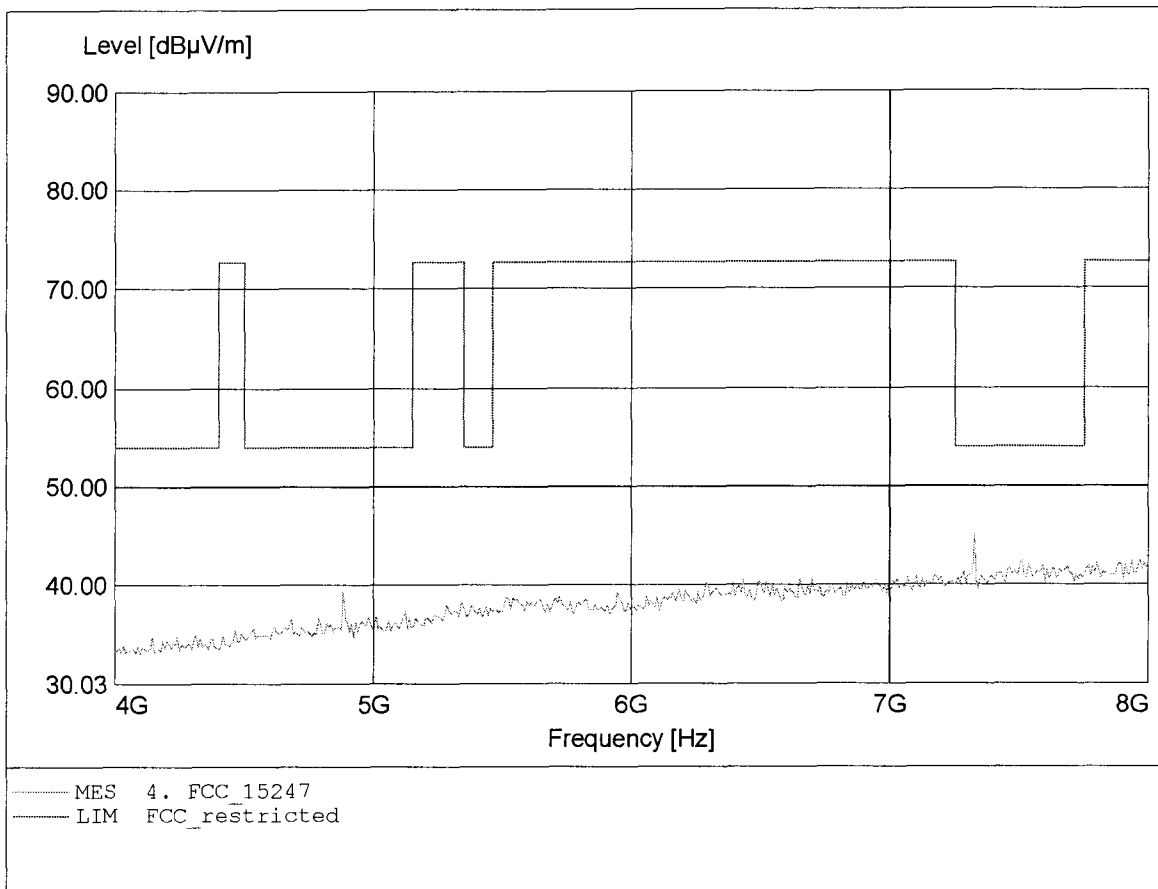
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.992GHz, Emax: 44.07dBuV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

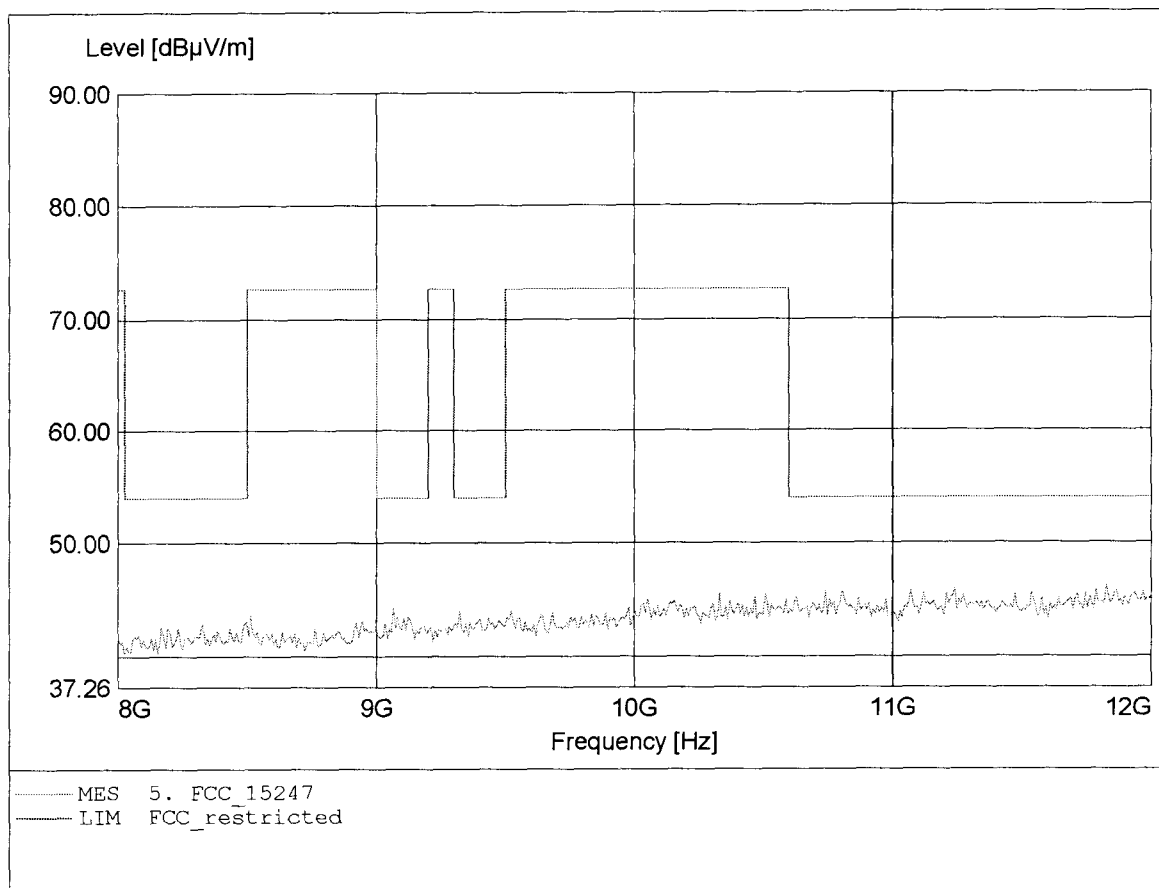
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.327GHz, Emax: 45.04dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

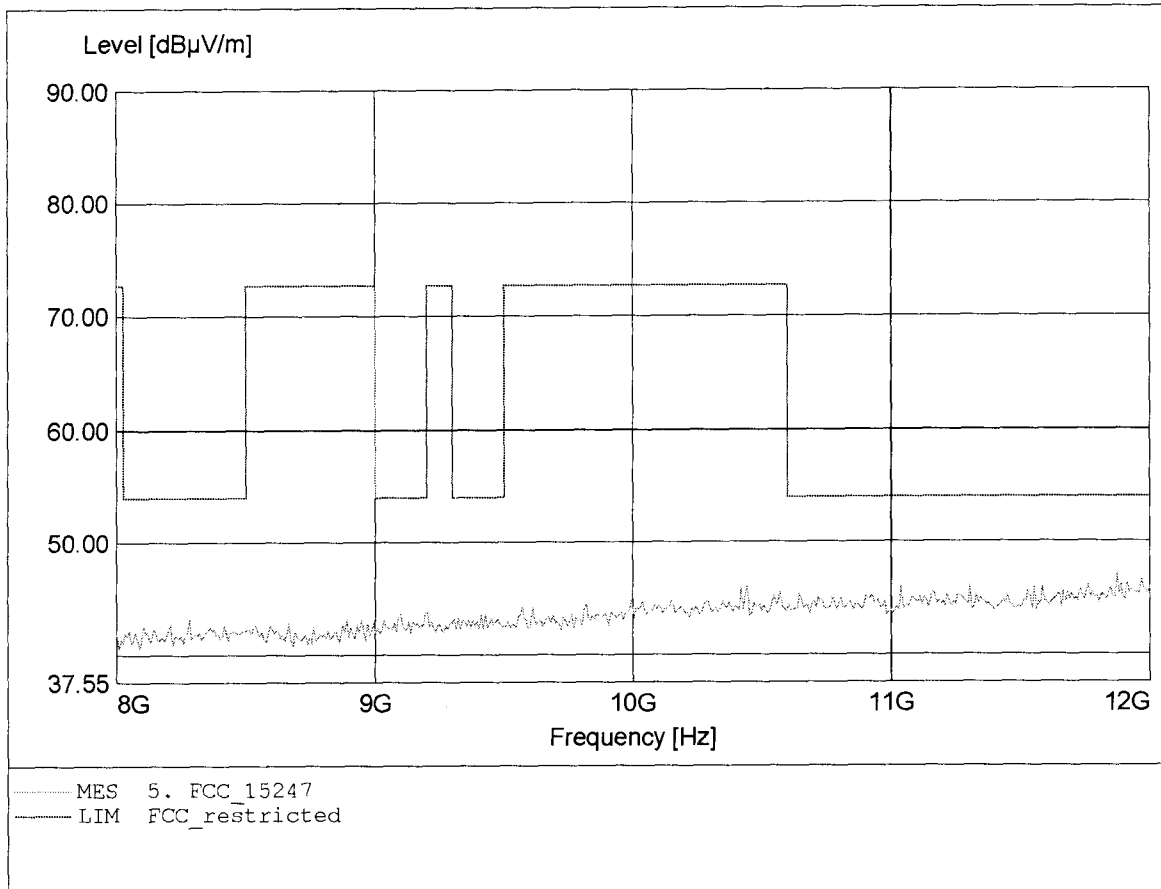
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.824GHz, Emax: 46.19dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

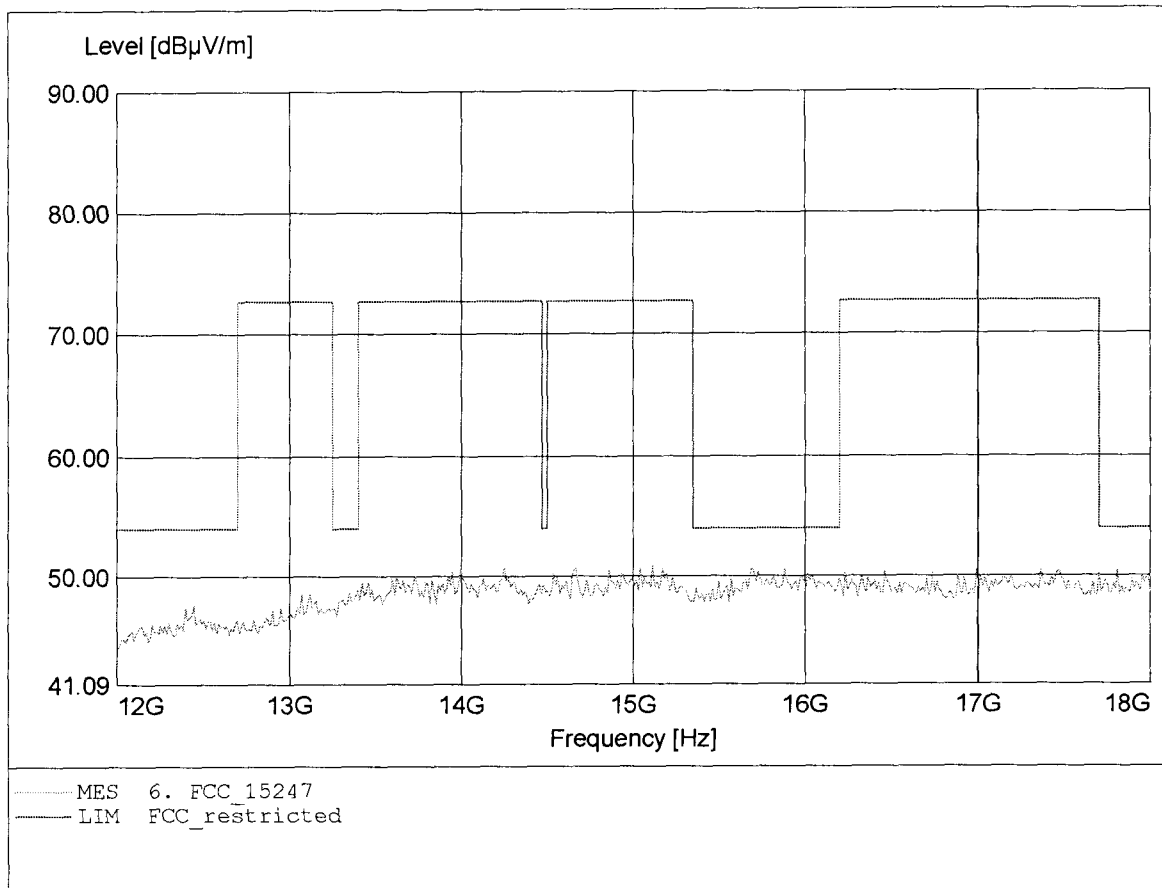
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.872GHz, Emax: 47.03dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.114GHz, Emax: 50.87dBµV/m, RBW: 1MHz

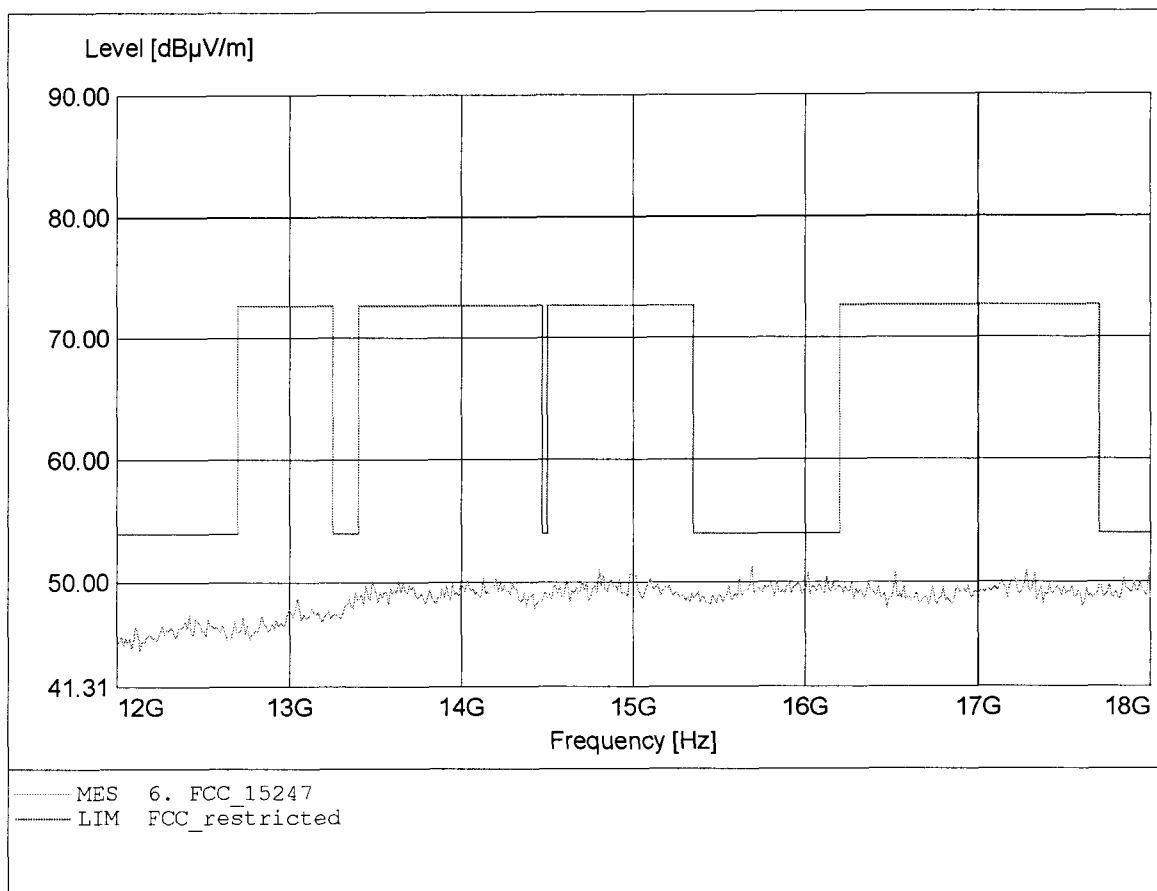




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

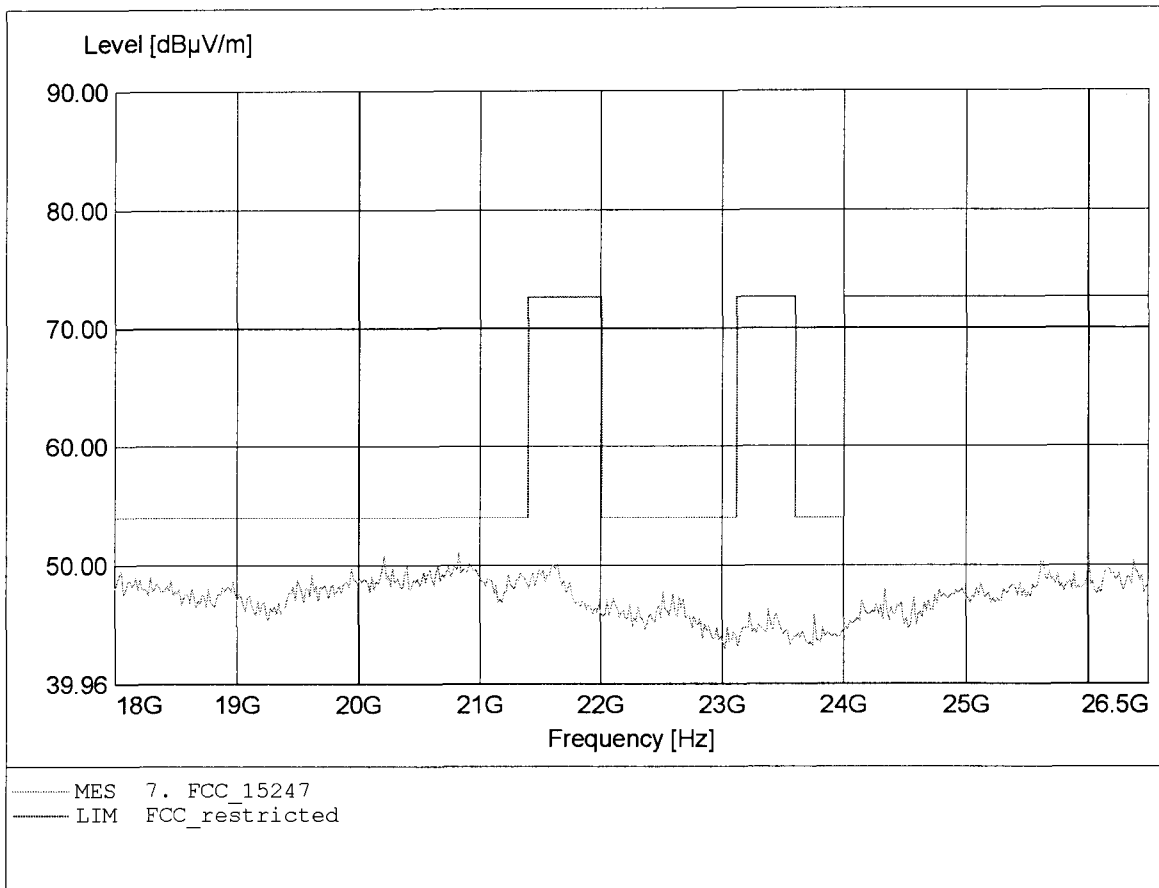
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.691GHz, Emax: 51.27dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

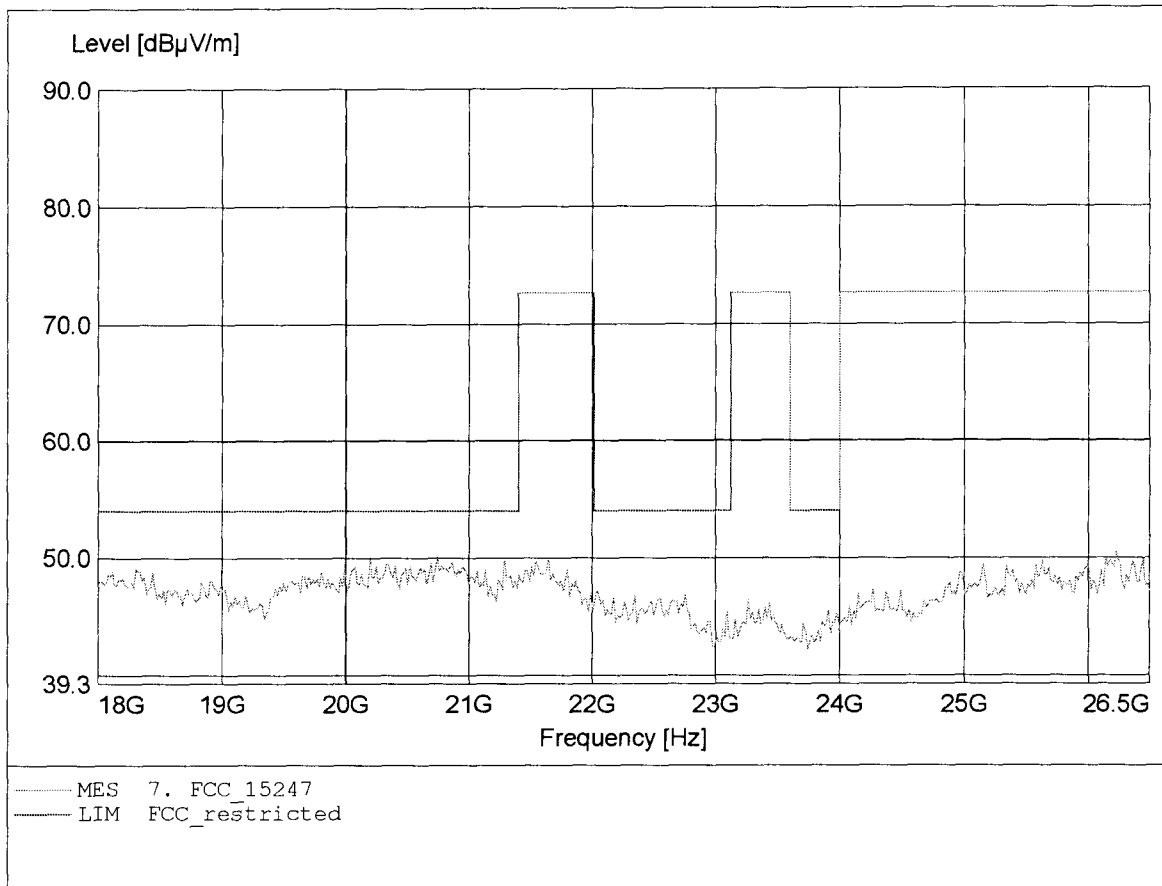
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 20.828GHz, Emax: 51.12dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

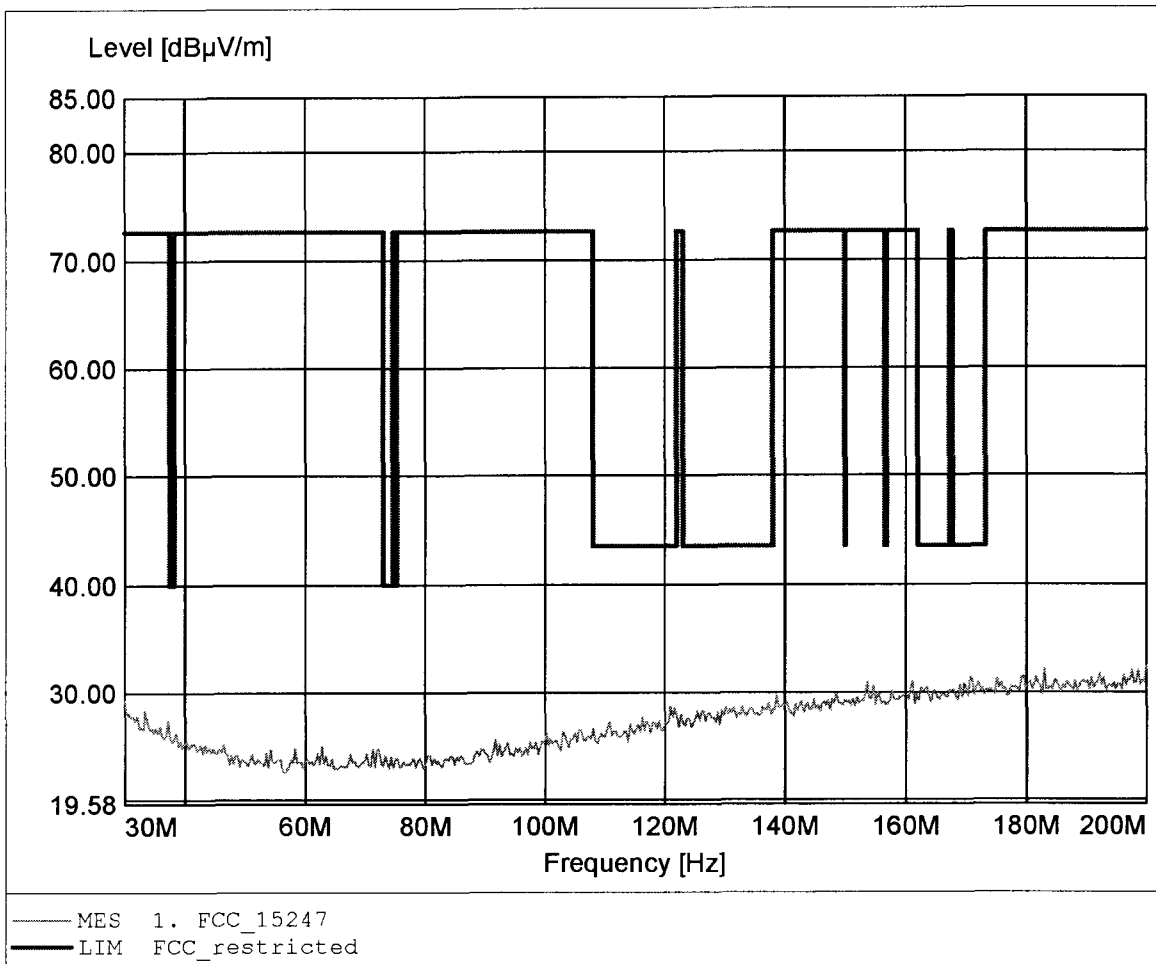
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2441 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.227GHz, Emax: 50.40dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

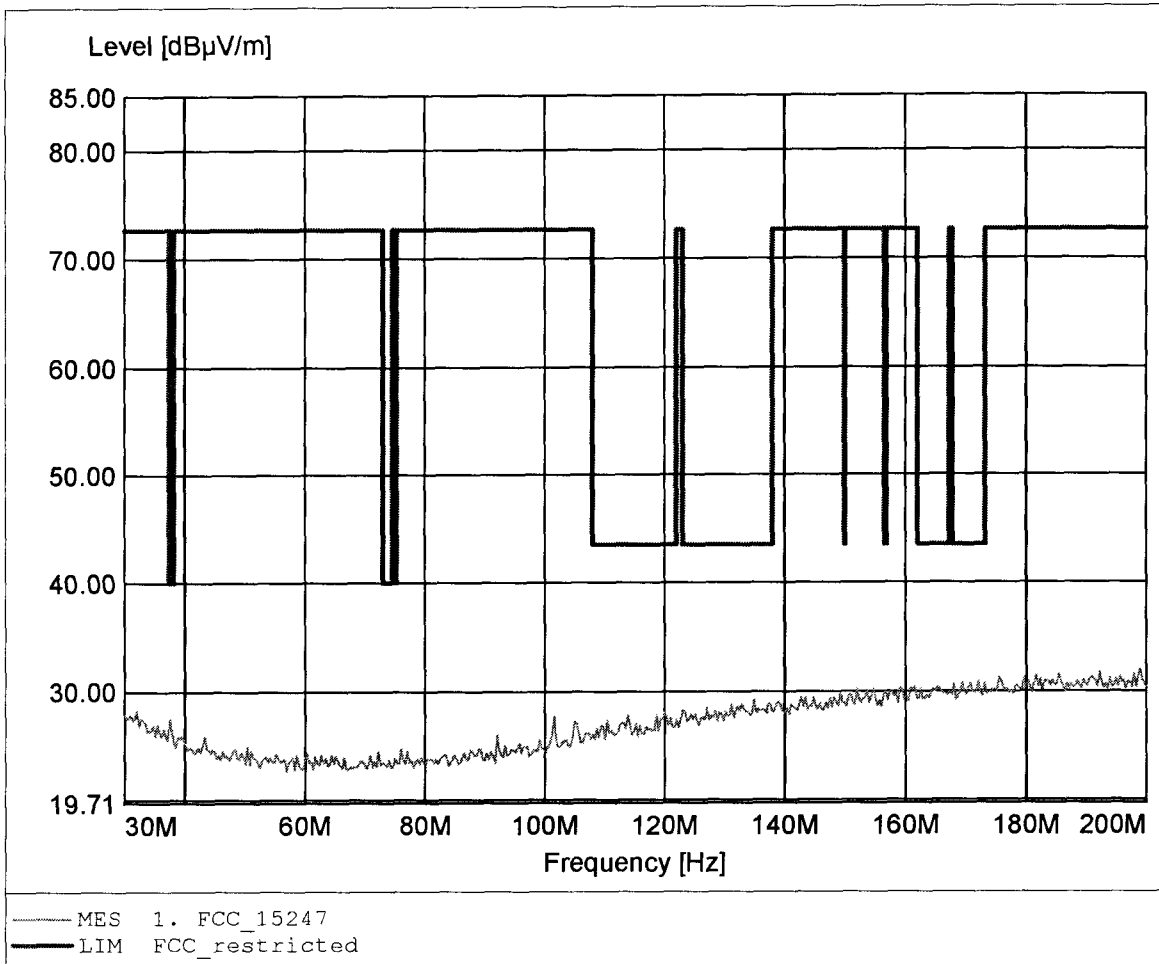
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2480 MHz  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 200.000MHz, Emax: 32.42dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

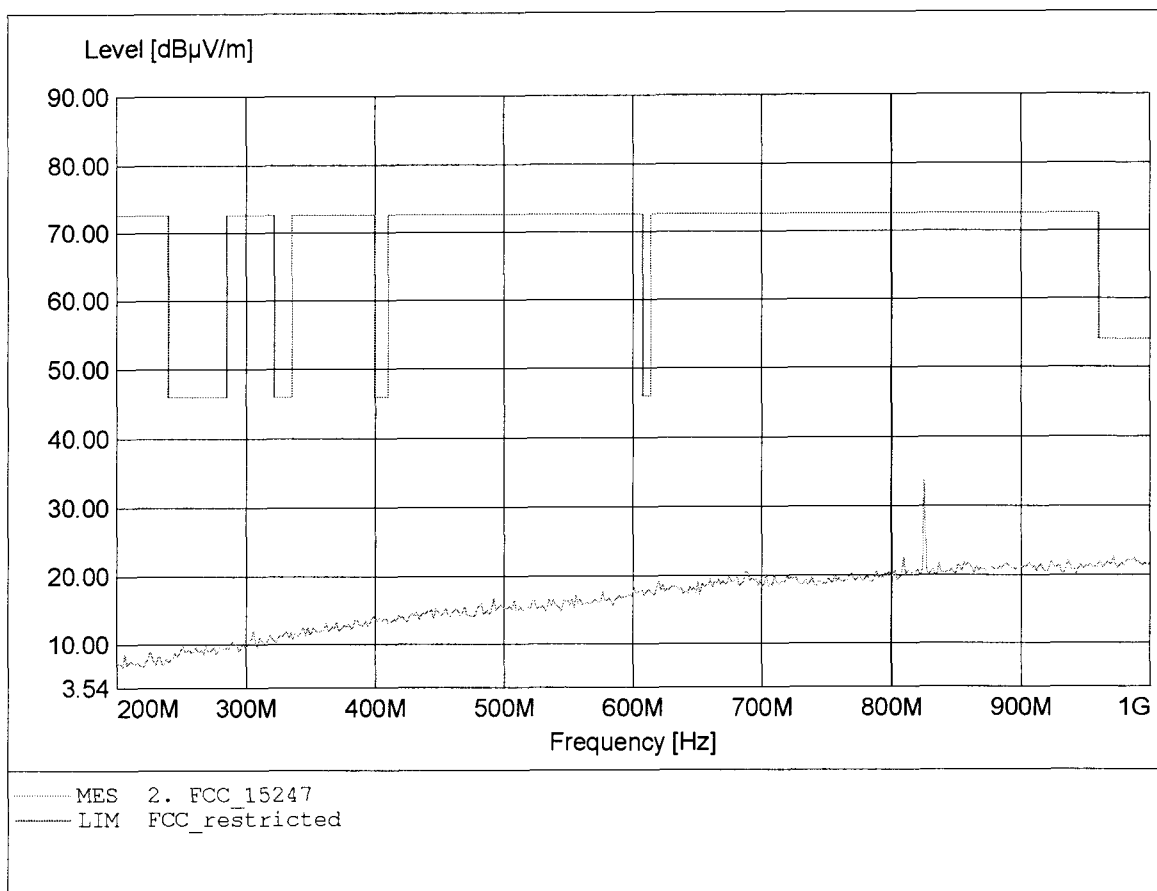
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2480 MHz  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 198.978MHz, Emax: 32.00dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

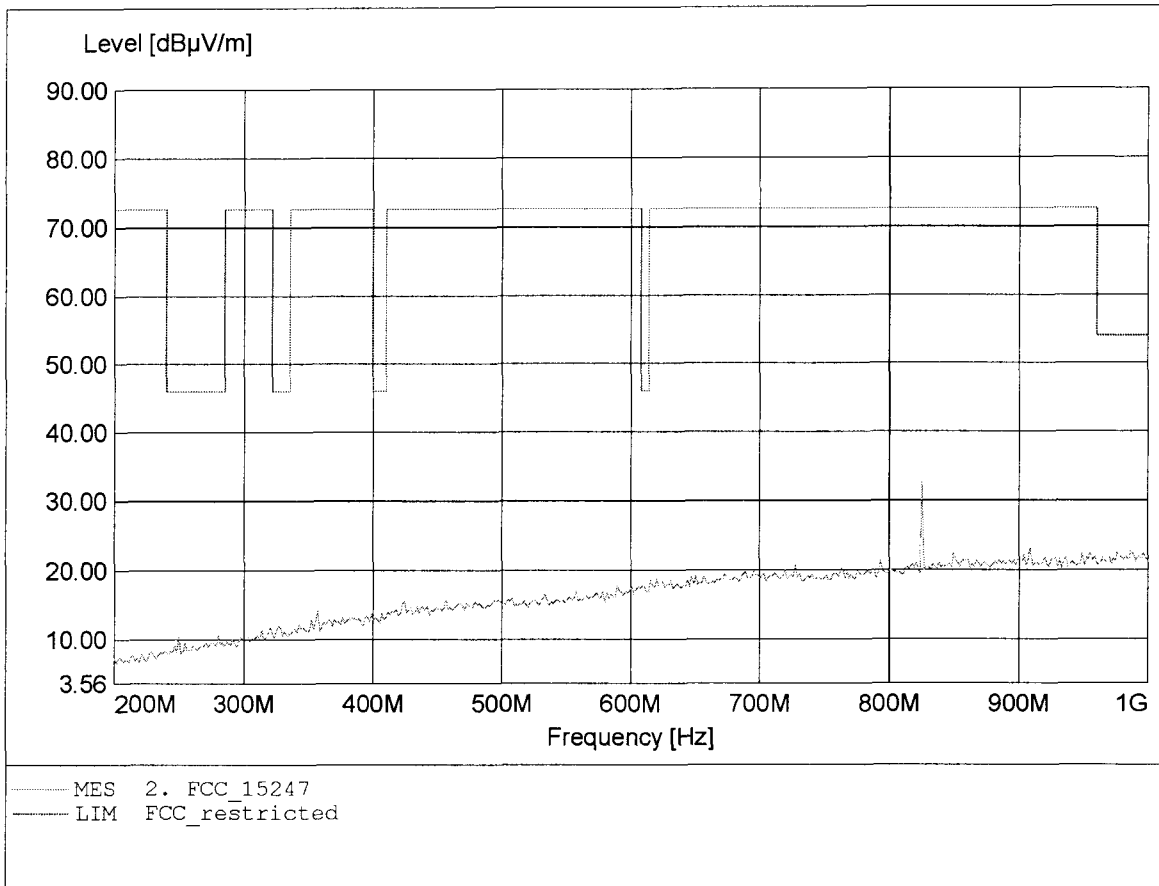
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 825.251MHz, Emax: 33.71dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

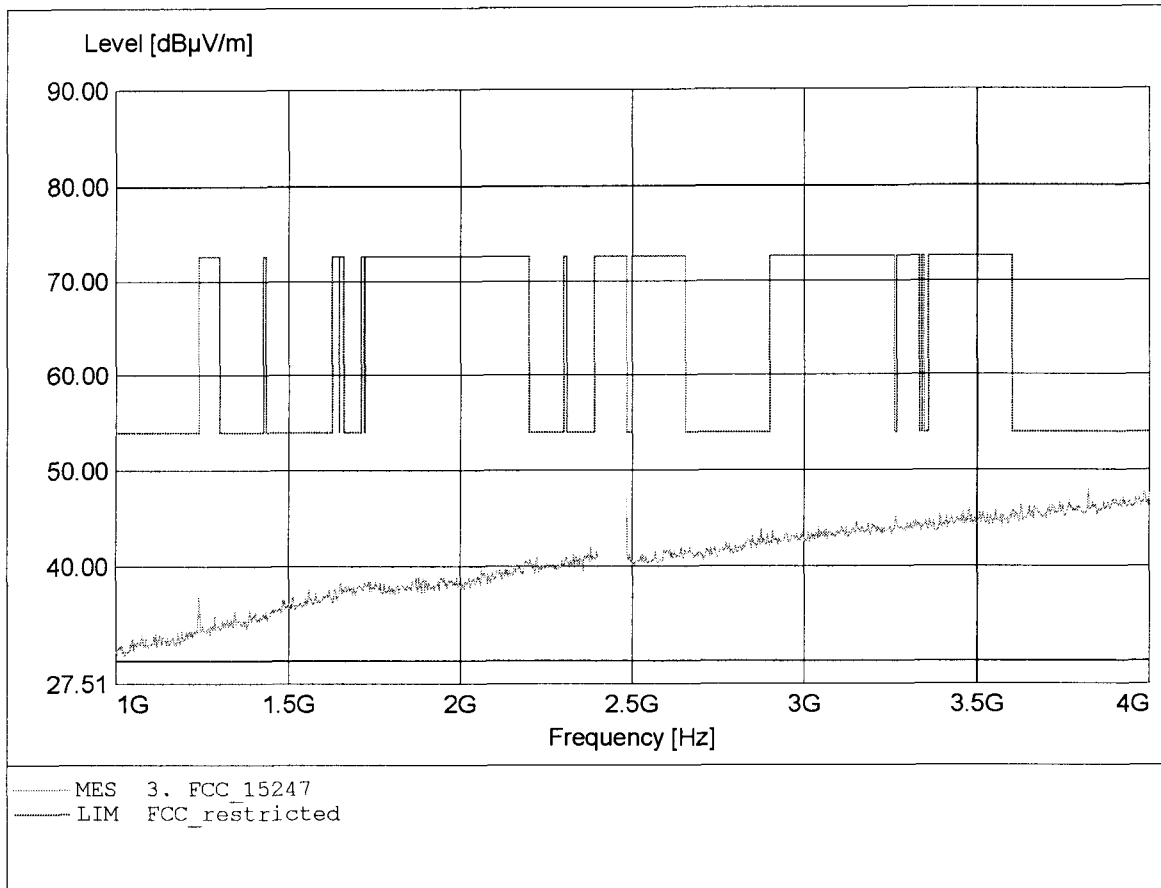
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 825.251MHz, Emax: 32.72dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 3.821GHz, Emax: 48.02dBµV/m, RBW: 1MHz

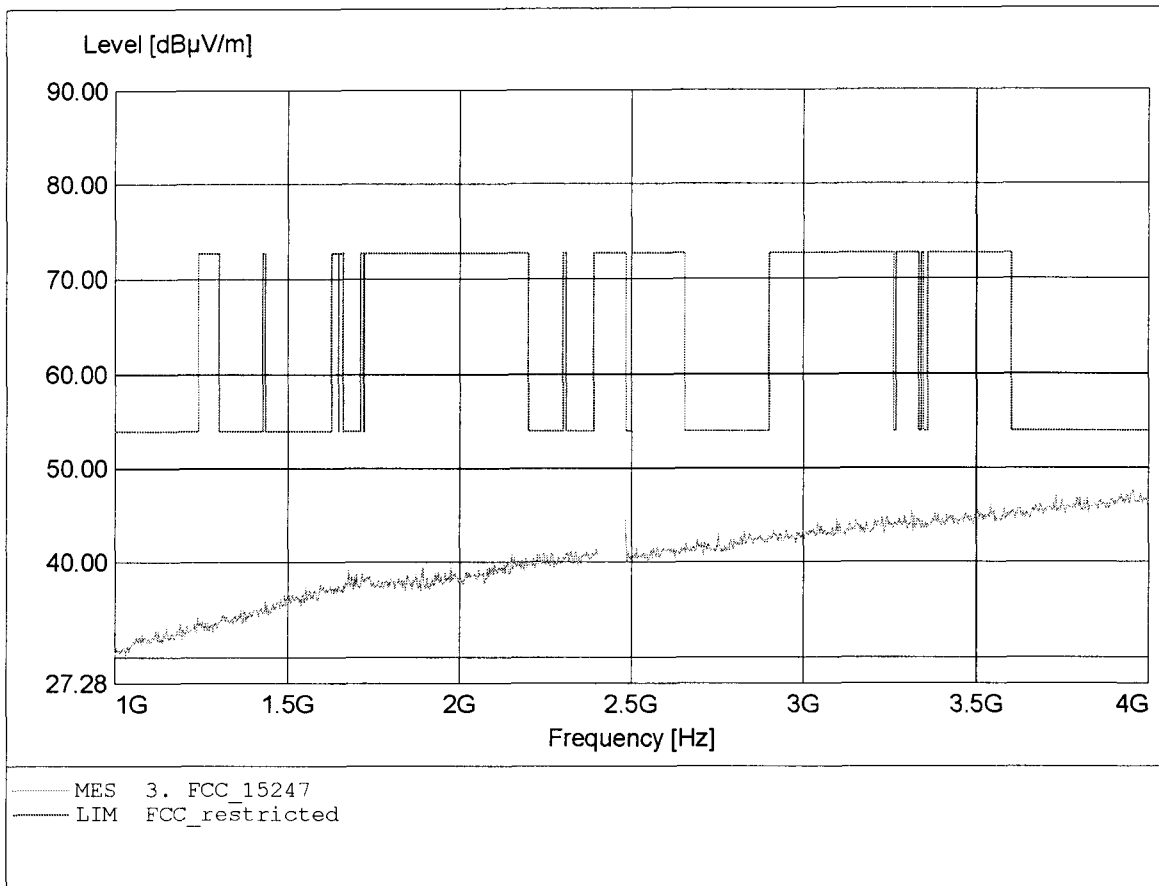




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

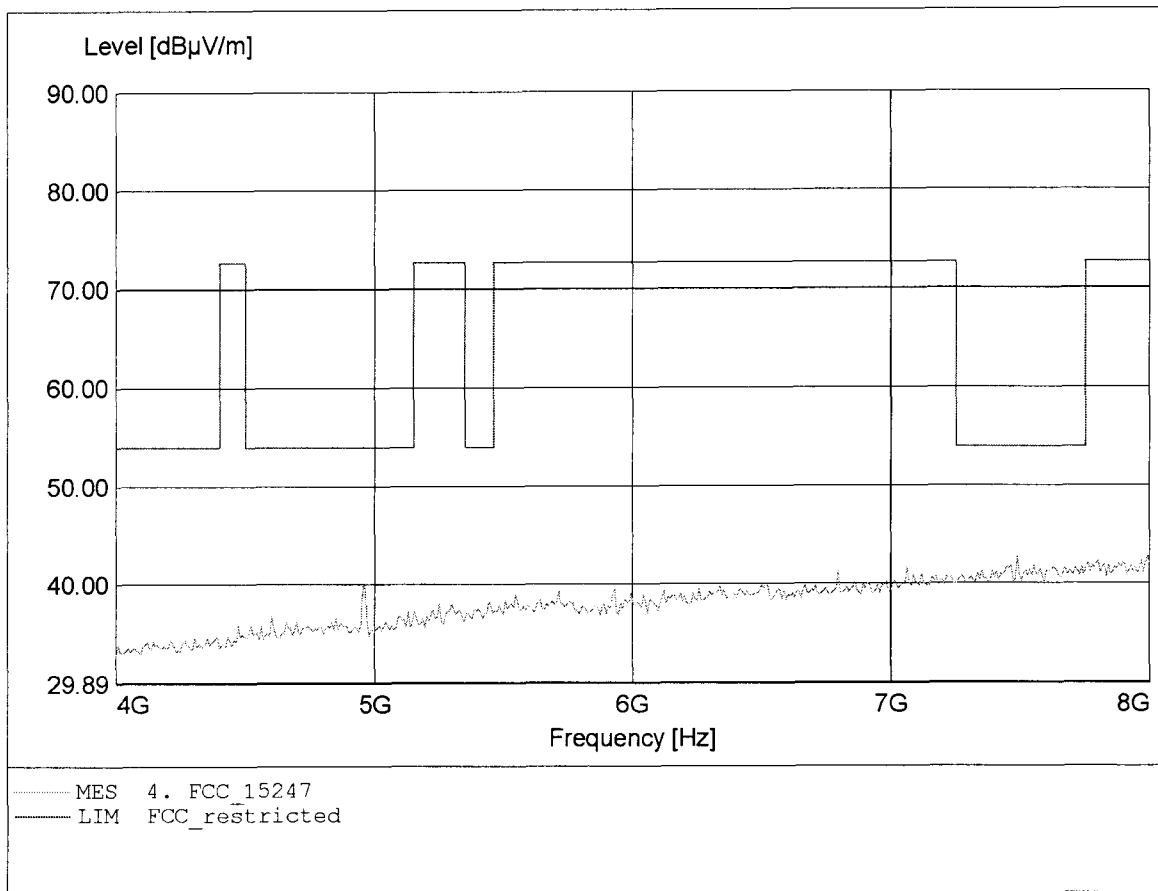
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 3.954GHz, Emax: 47.59dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

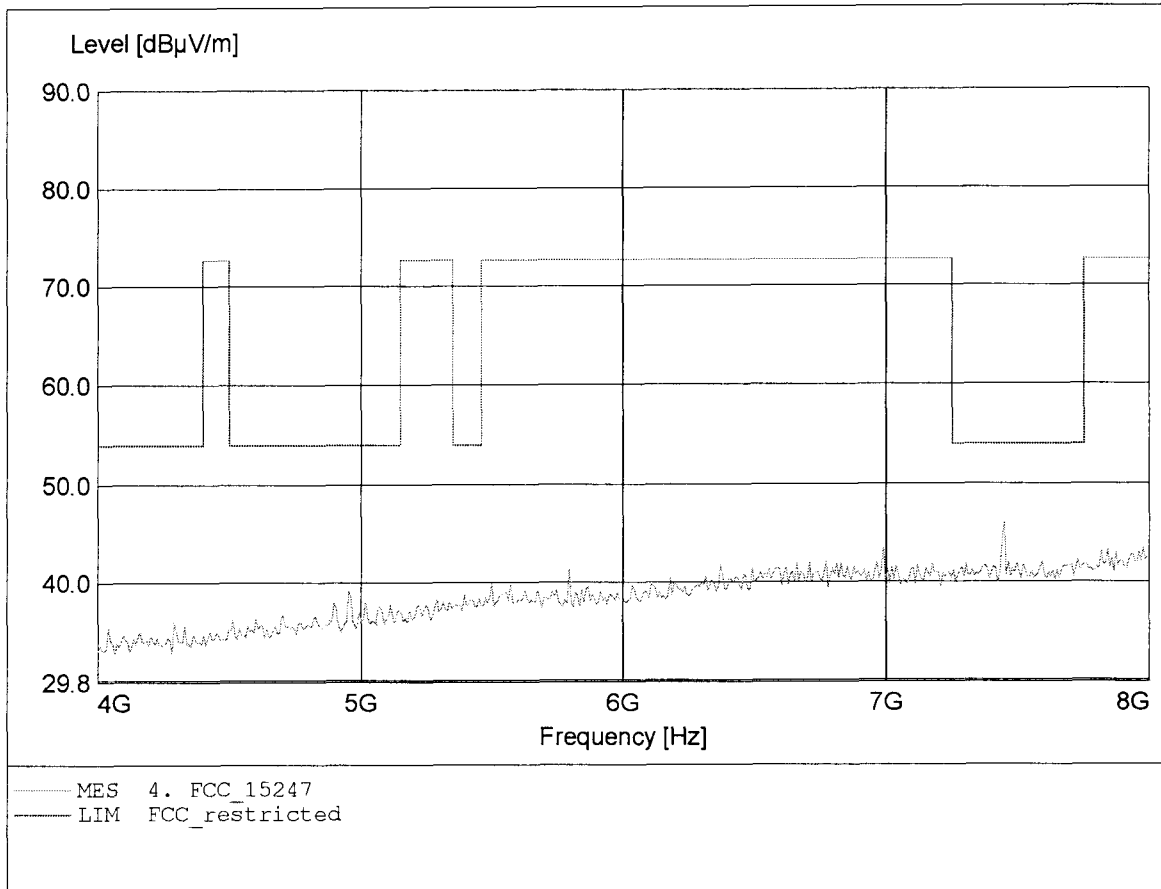
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.487GHz, Emax: 42.79dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

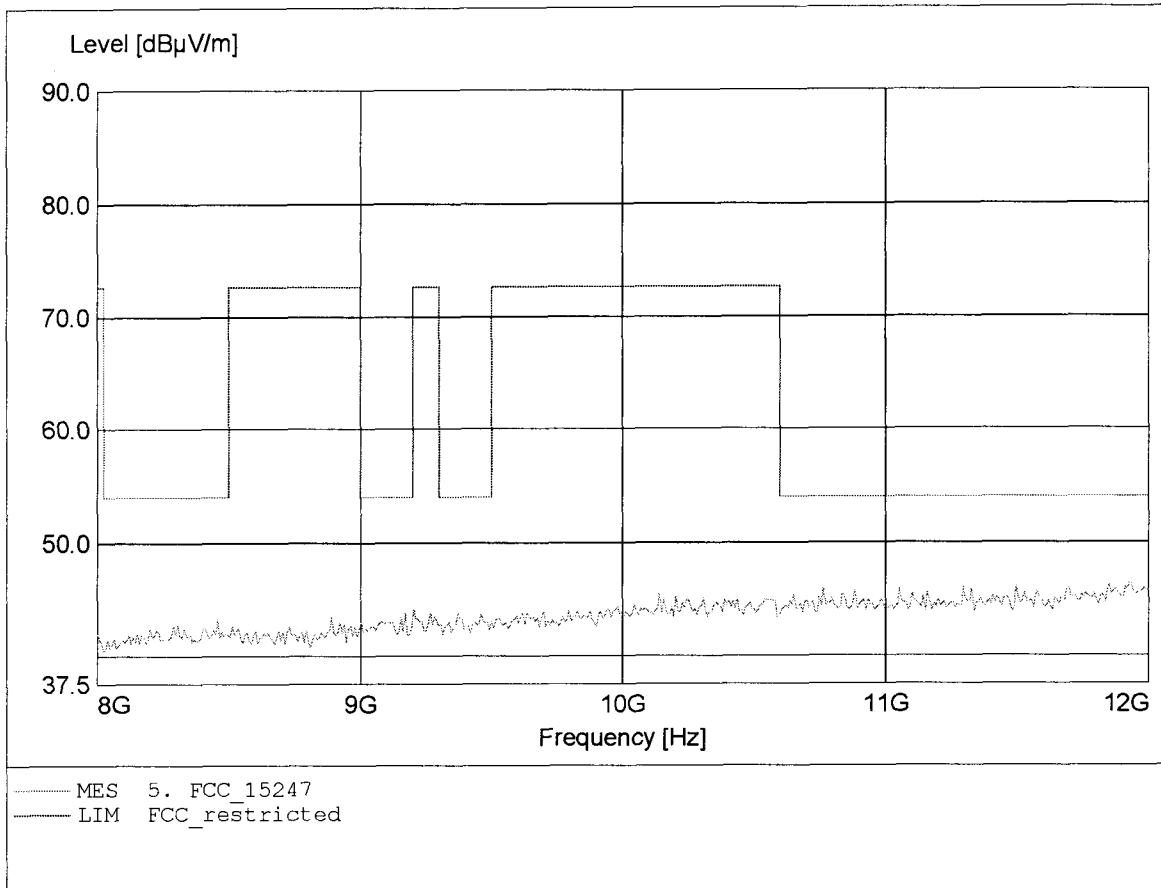
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 7.447GHz, Emax: 46.10dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

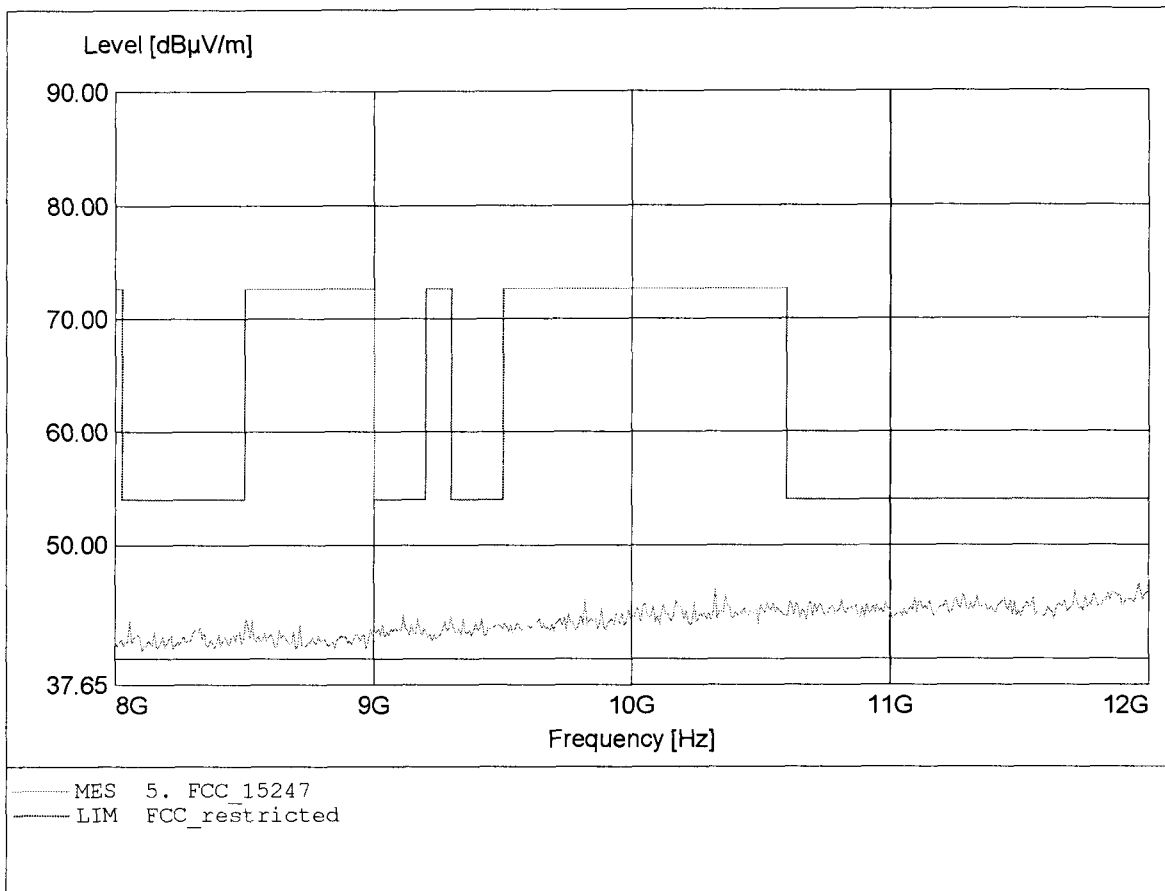
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 11.928GHz, Emax: 46.39dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

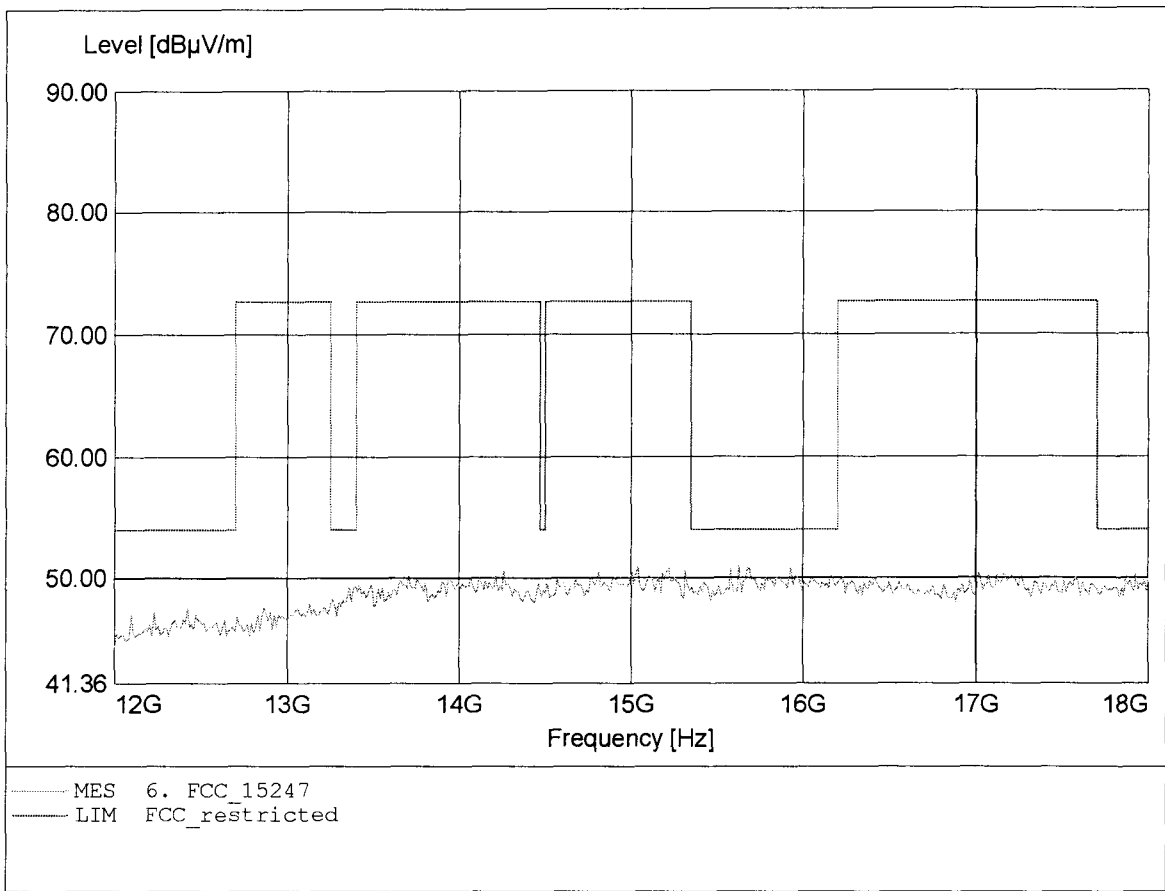
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 12.000GHz, Emax: 47.21dBµV/m, RBW: 1MHz



**Spurious emissions Field Strength**

**FCC RULES PART 15, SUBPART C**

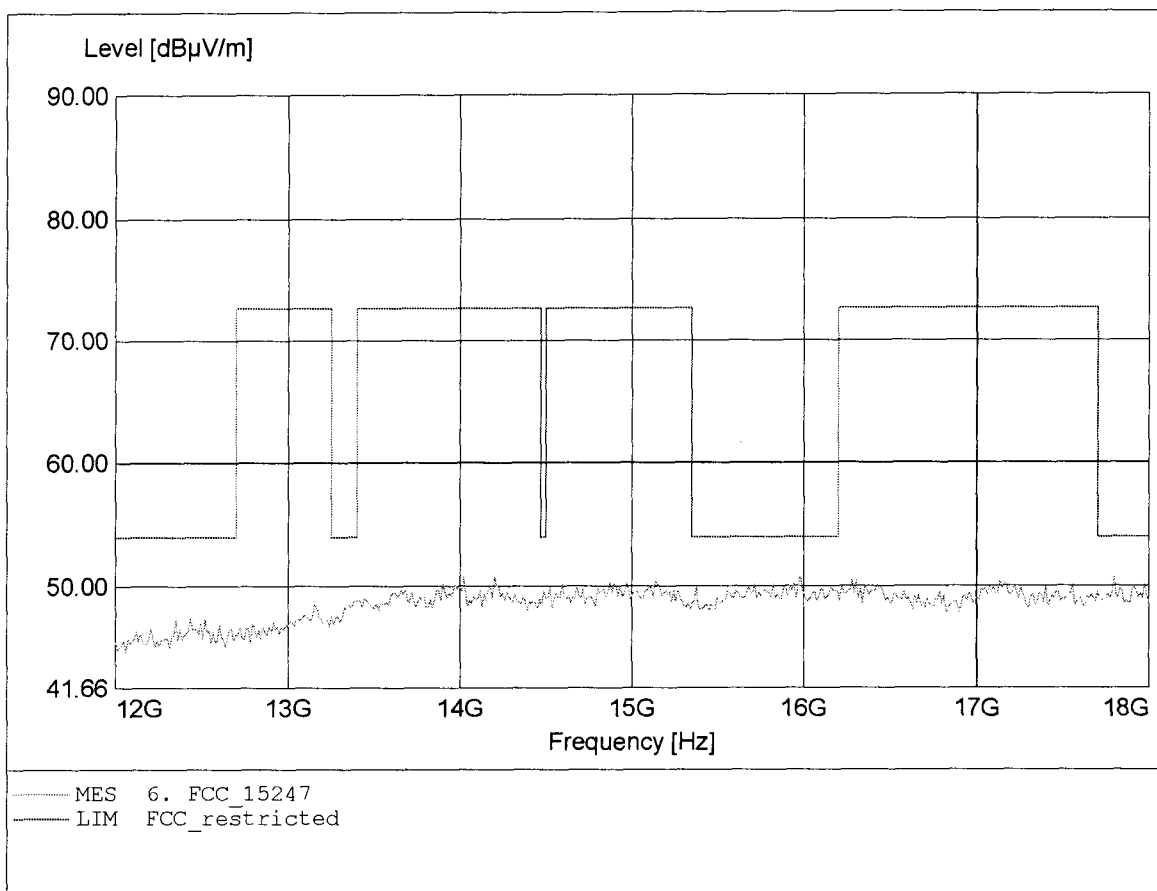
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.631GHz, Emax: 51.00dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

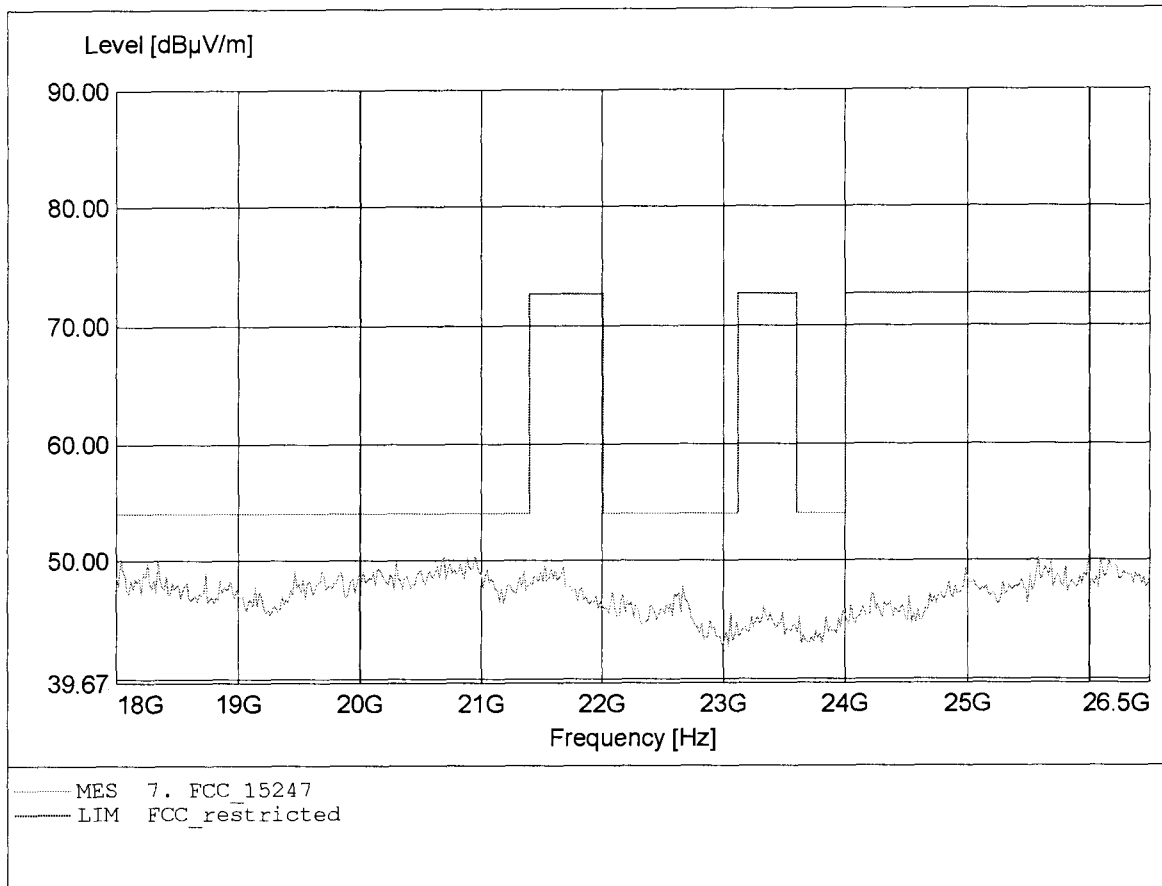
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Comment 2: Freq: 15.980GHz, Emax: 50.85dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 20.947GHz, Emax: 50.32dBµV/m, RBW: 1MHz

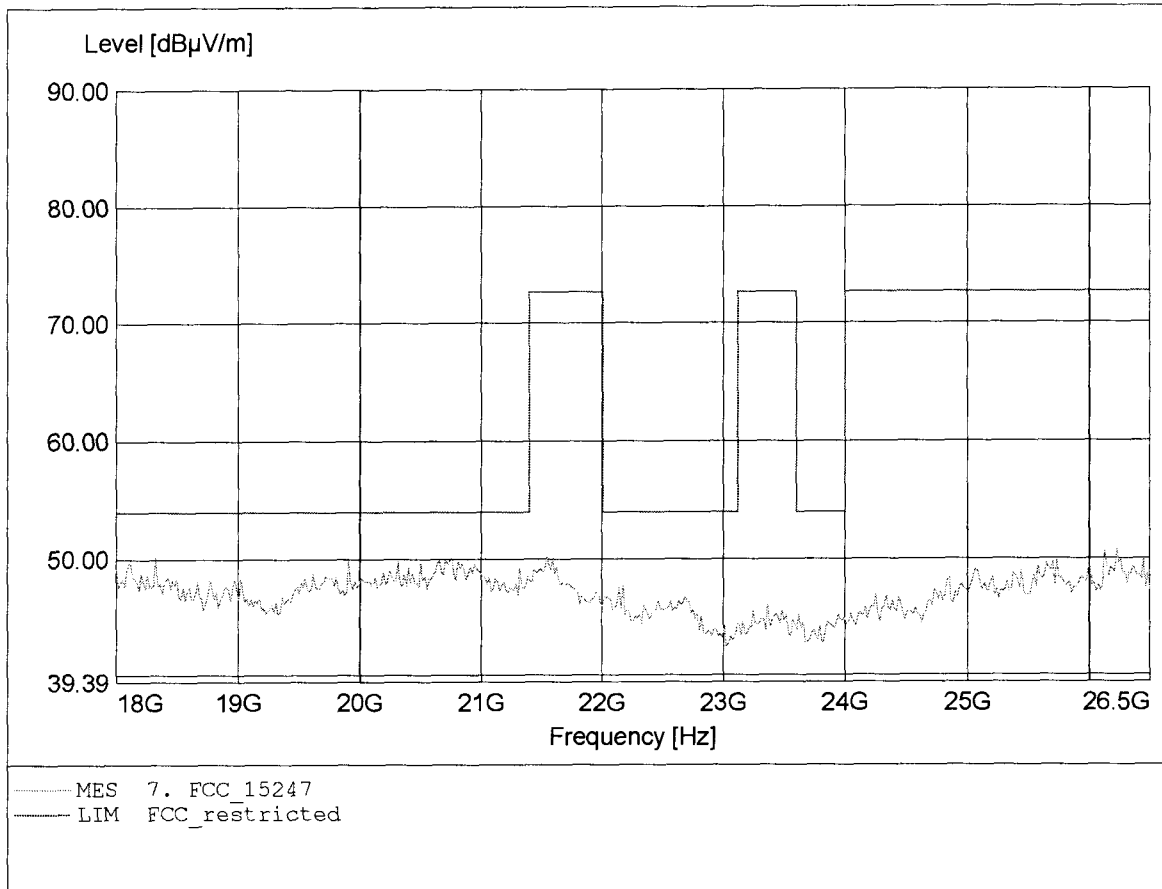




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model : TYRA / 2480 MHz  
Test Site / Operator: ETS / Mr. Hoppe  
Temperature/ Voltage: 23°C / Unom.: 3.7 V DC  
Test Specification: according to S15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 26.227GHz, Emax: 50.77dBµV/m, RBW: 1MHz





## Appendix J

Band-edge compliance



## Appendix K

AC power line conducted emissions



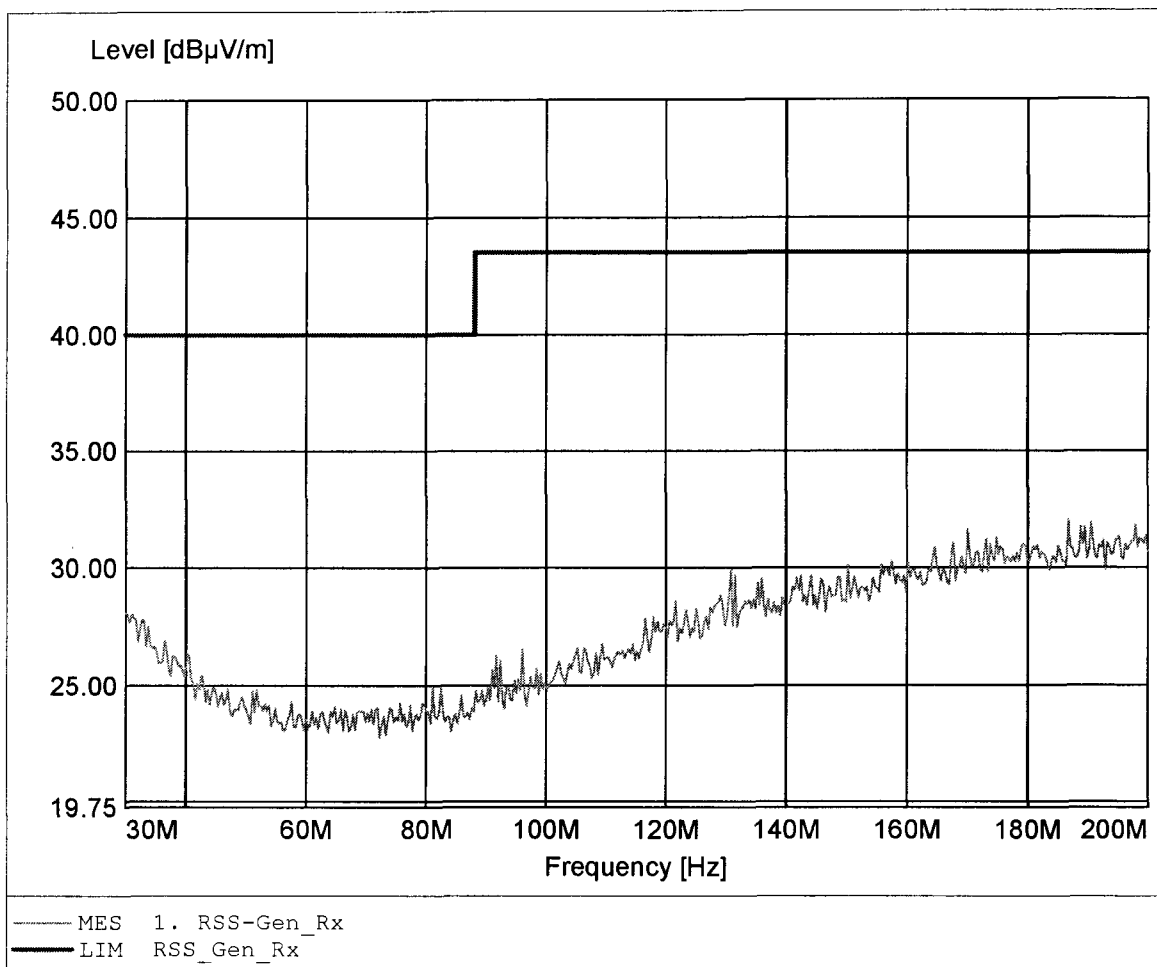
## Appendix L

Receiver radiated emissions

**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

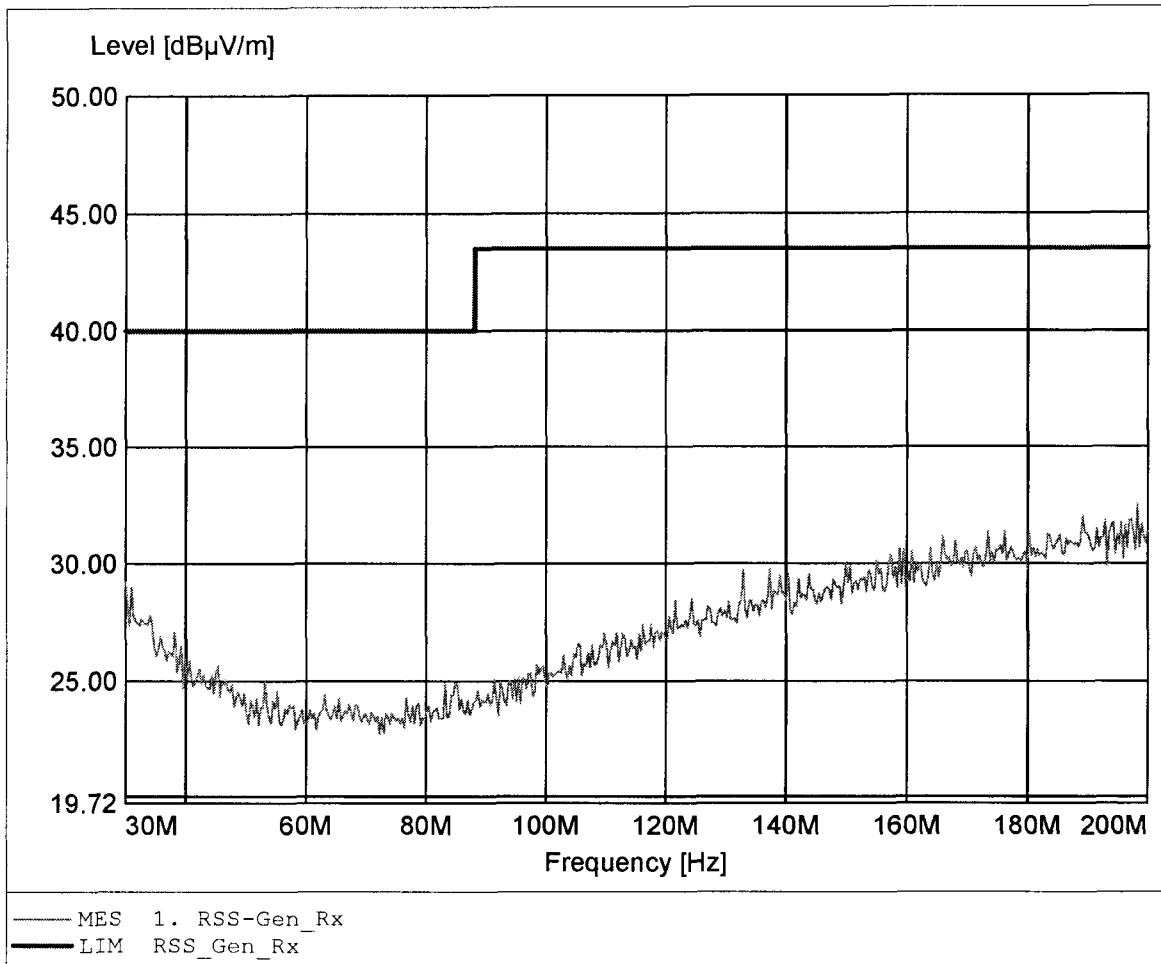
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:186.713MHz Emax:32.05dBµV/m REW: 100 kHz



**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

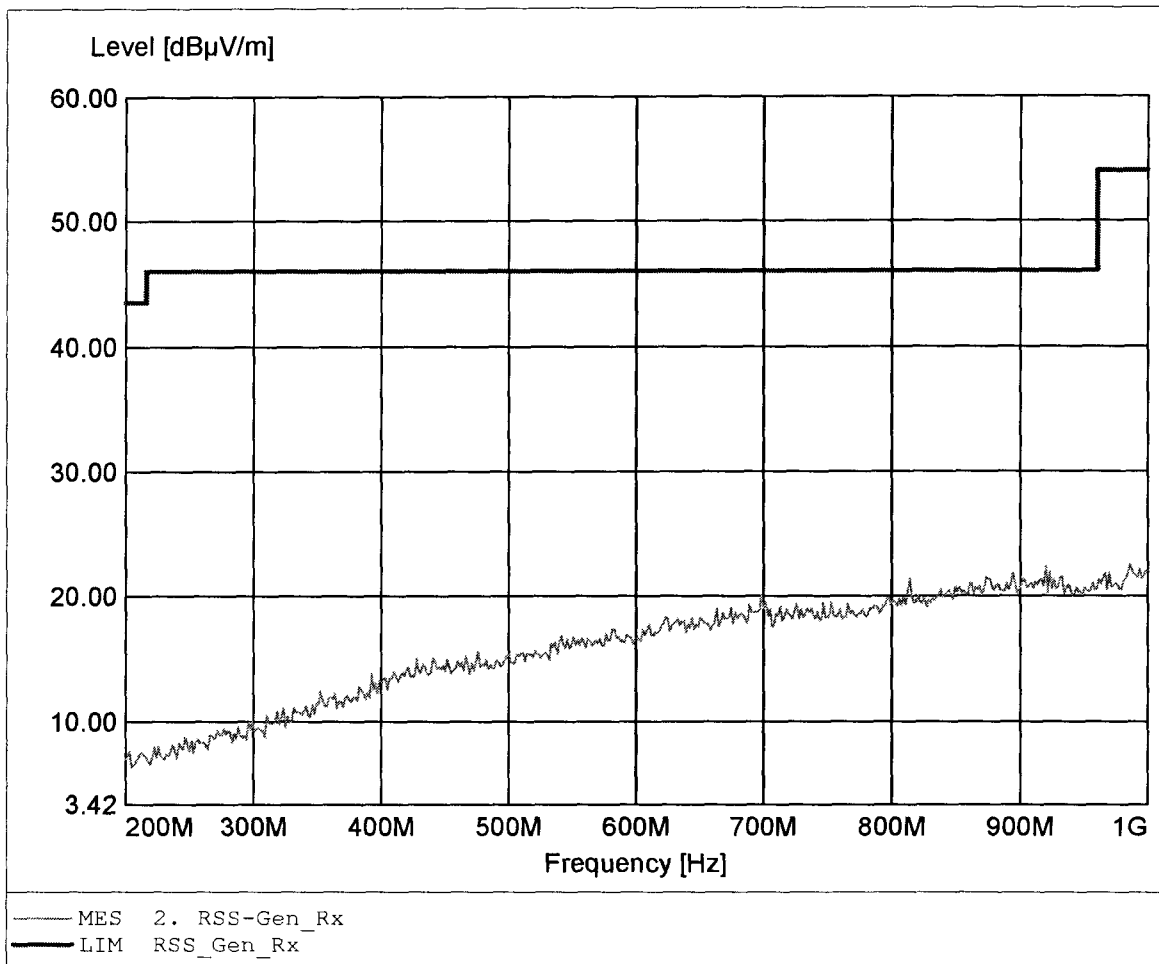
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:198.297MHz Emax:32.55dBµV/m REW: 100 kHz



**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

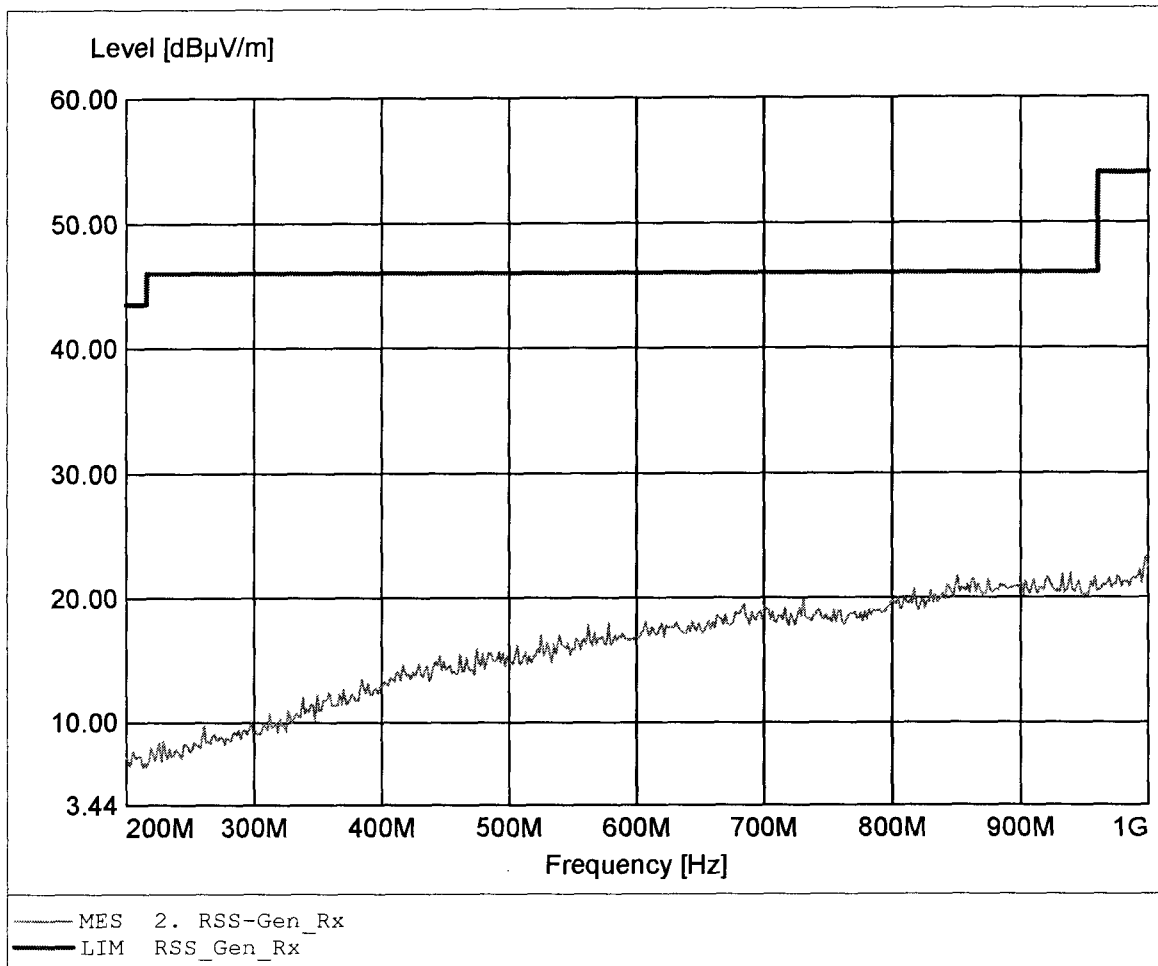
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:985.571MHz Emax:22.49dBuV/m REW: 100 kHz



**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:998.397MHz Emax:23.29dBµV/m RBW: 100 kHz

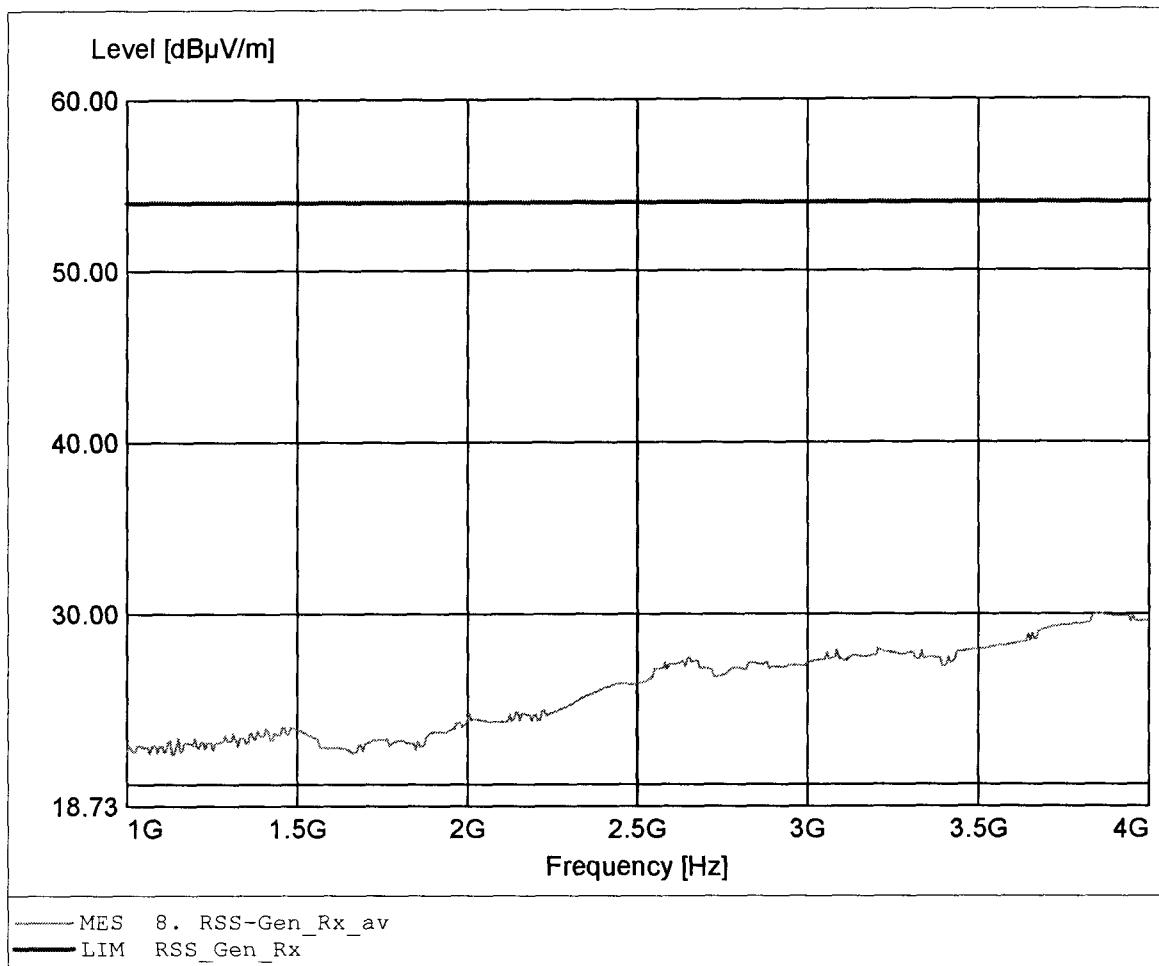




**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

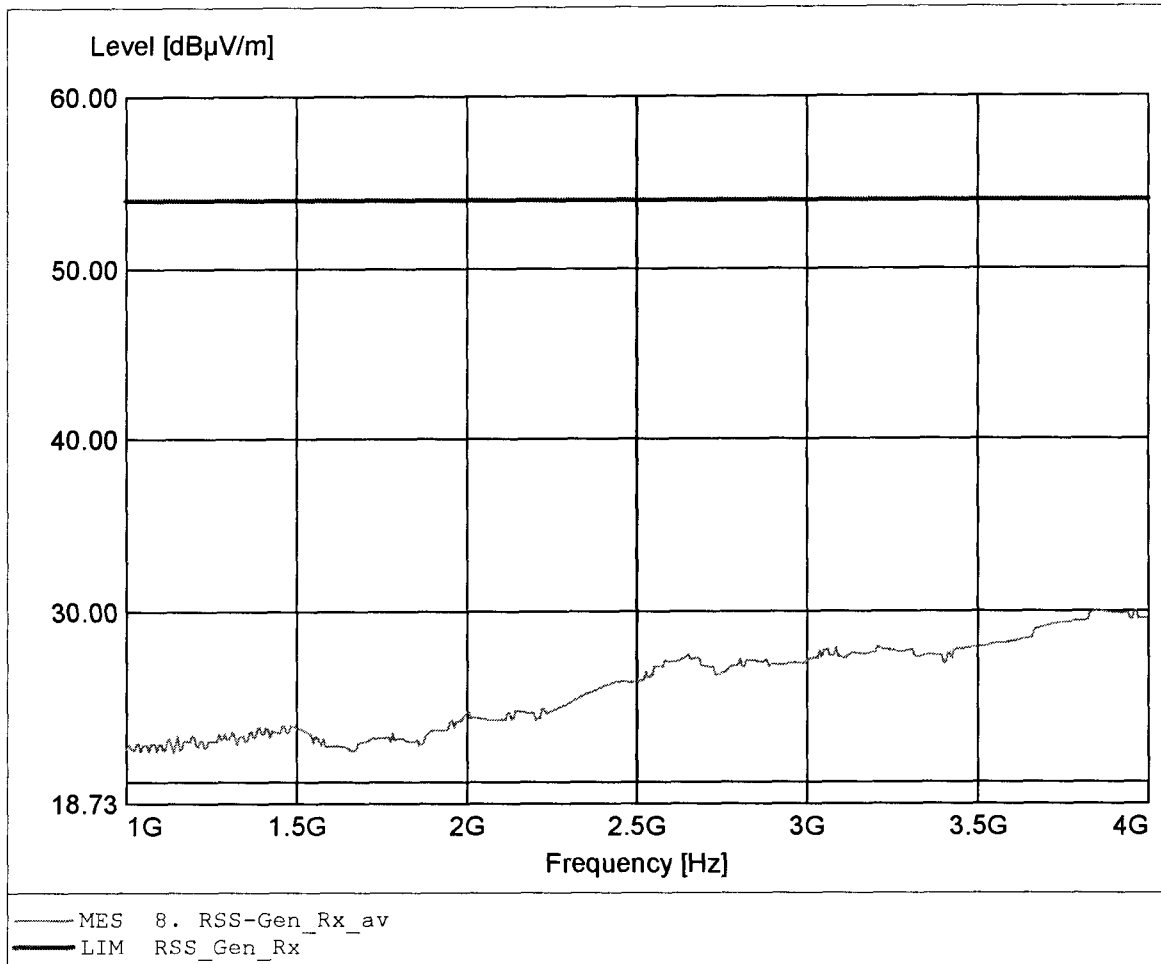
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:3.850GHz Emax:30.03dBμV/m RBW: 1 MHz



**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

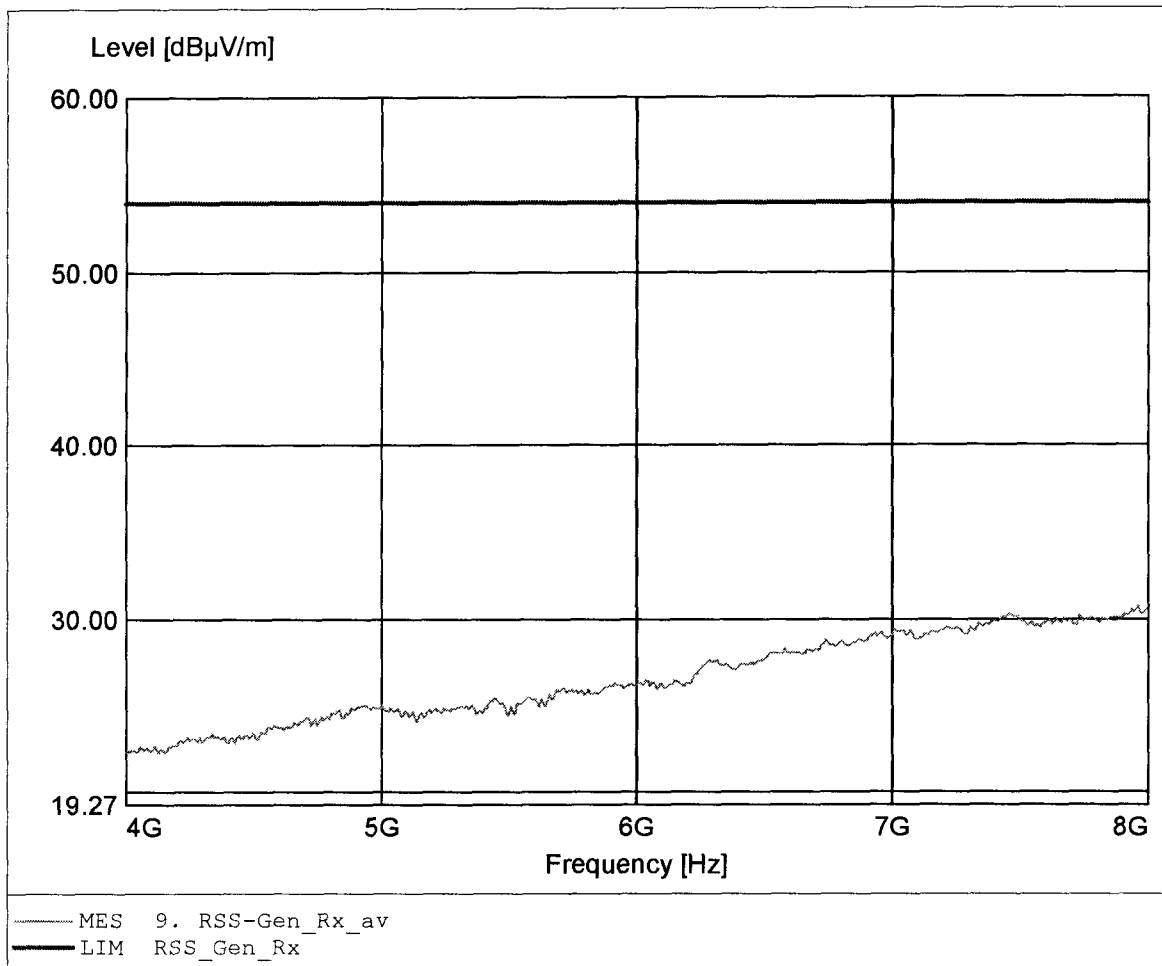
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:3.850GHz Emax:30.03dBµV/m RBW: 1 MHz



**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

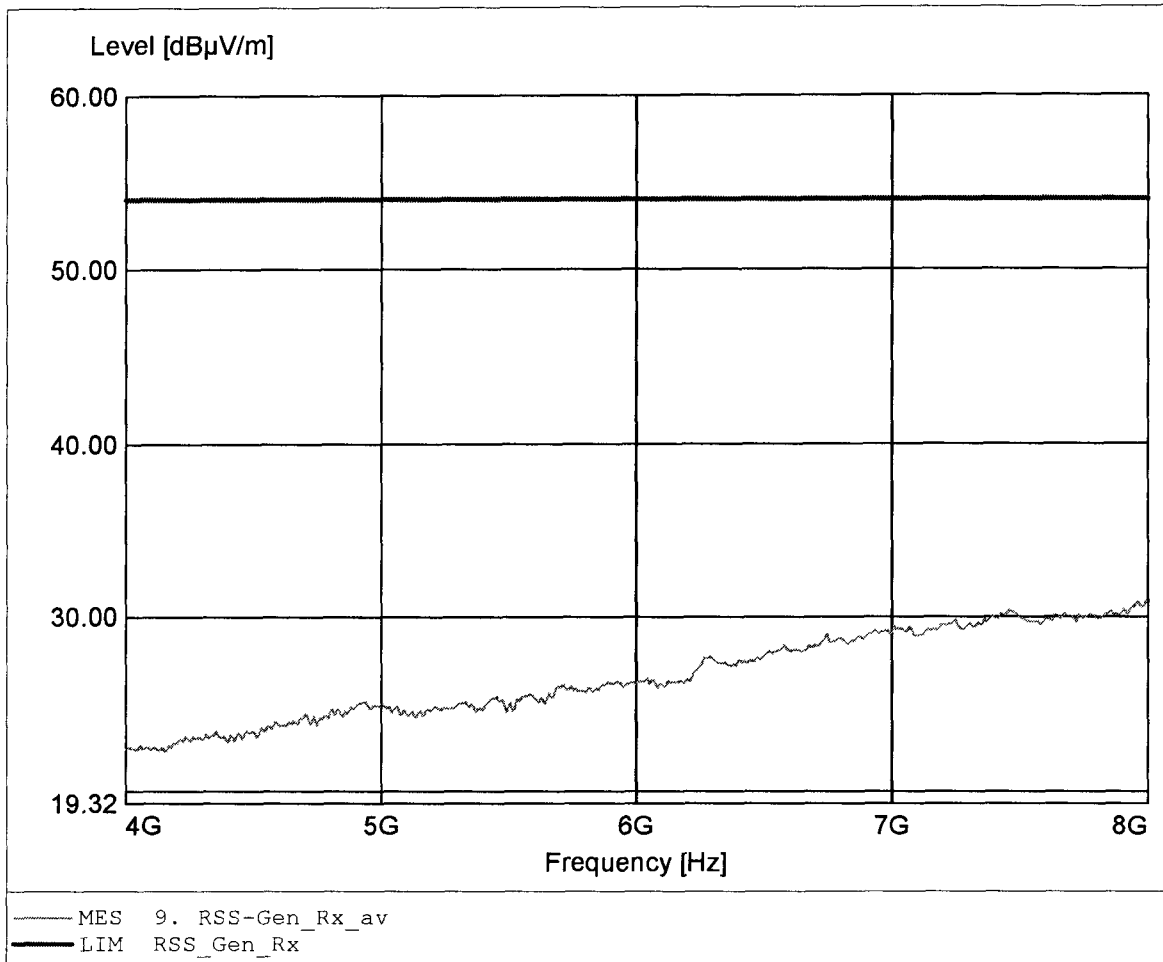
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:7.960GHz Emax:30.76dB $\mu$ V/m RBW: 1 MHz



**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

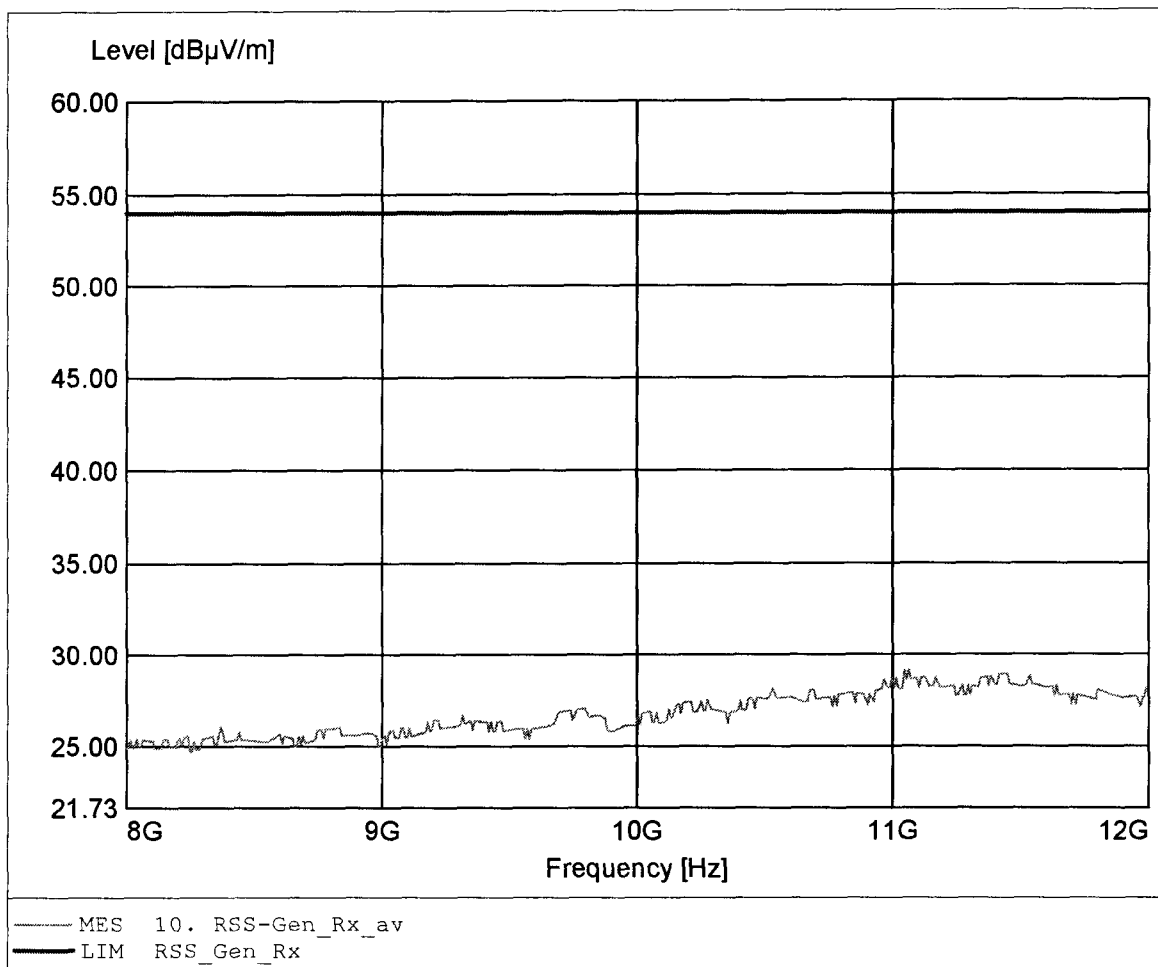
Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:7.992GHz Emax:30.94dB $\mu$ V/m RBW: 1 MHz



**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:11.062GHz Emax:29.13dBμV/m RBW: 1 MHz



**Field Strength under normal conditions**

**Standards Industry Canada, RSS-GEN**

Approval Holder: Ascom Sweden AB  
EUT: Bluetooth module  
Model: TYRA  
Test Site / Operator: ETS / Mr. Hoppe  
Test Condition: 25°C / Unom: 3.7 V DC / 2441 MHz  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:11.439GHz Emax:28.92dBμV/m RBW: 1 MHz

