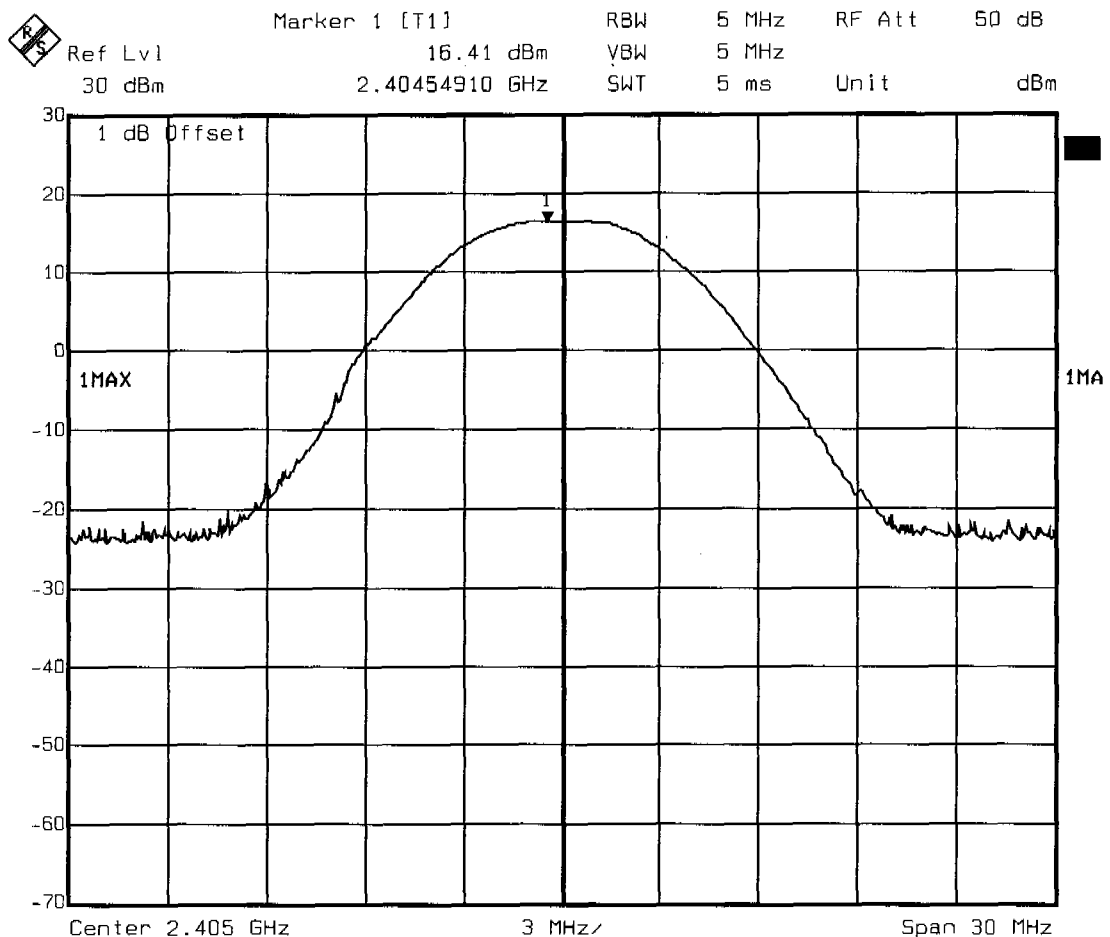


## **Appendix B**

RF power output conducted

**FCC part 15.247 (b)**  
**Power Output**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	Power Output Option 1
Comment 1	Output Power conducted
Comment 2	Channel: 11 / 2405 MHz
Comment 3	



Date: 05.FEB.2007 13:40:19

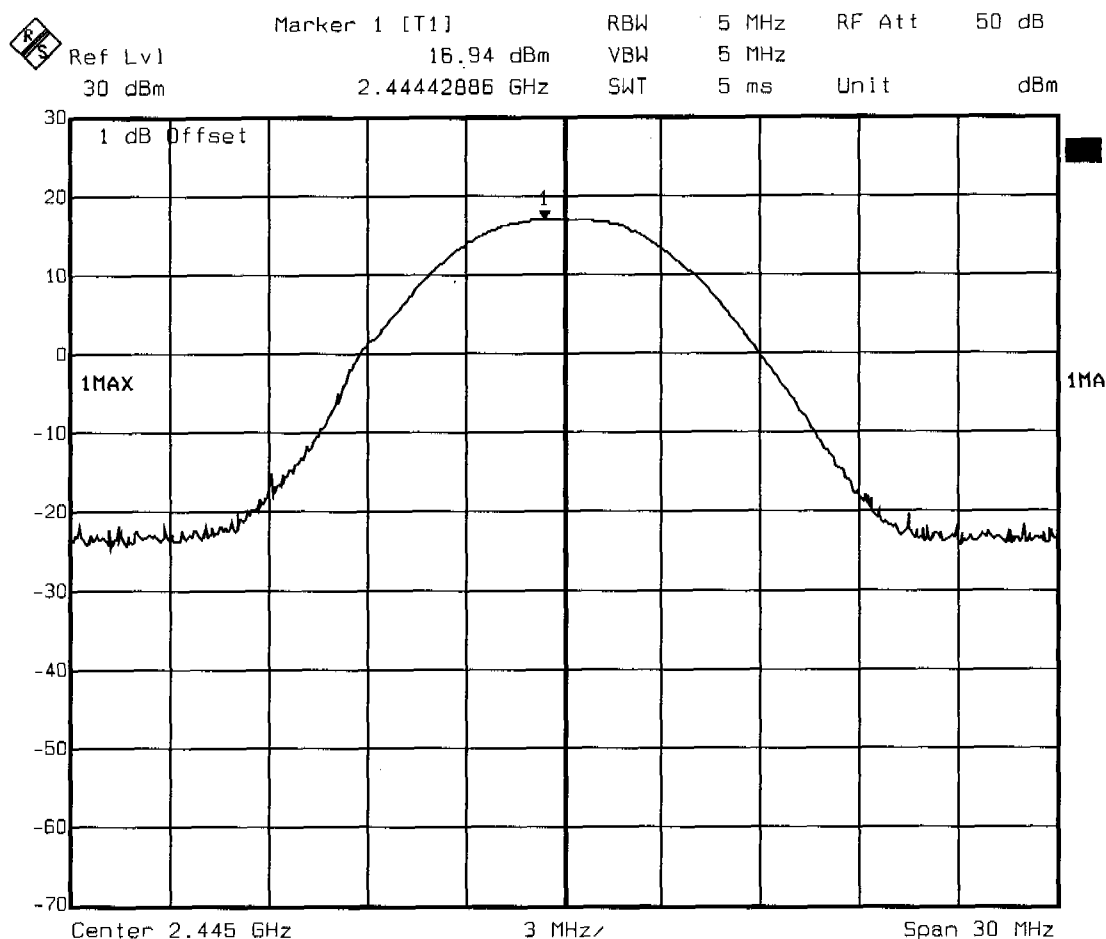
Measurement diagram

ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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**FCC part 15.247 (b)**  
**Power Output**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	Power Output Option 1
Comment 1	Output Power conducted
Comment 2	Channel: 19 / 2445 MHz
Comment 3	



Date: 05.FEB.2007 13:35:21

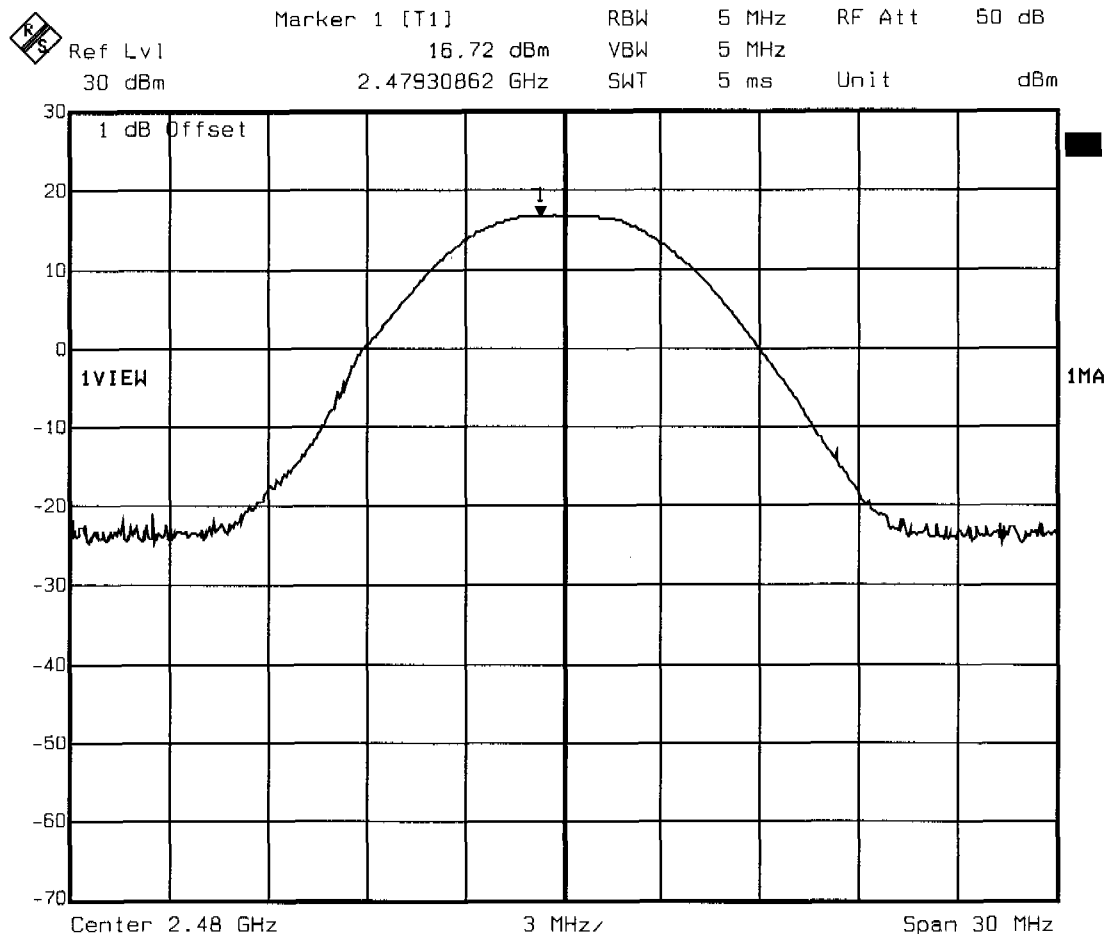
Measurement diagram

ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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**FCC part 15.247 (b)**  
**Power Output**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	Power Output Option 1
Comment 1	Output Power conducted
Comment 2	Channel: 26 / 2480 MHz
Comment 3	



Date: 05.FEB.2007 13:30:53

Measurement diagram

ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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## Appendix C

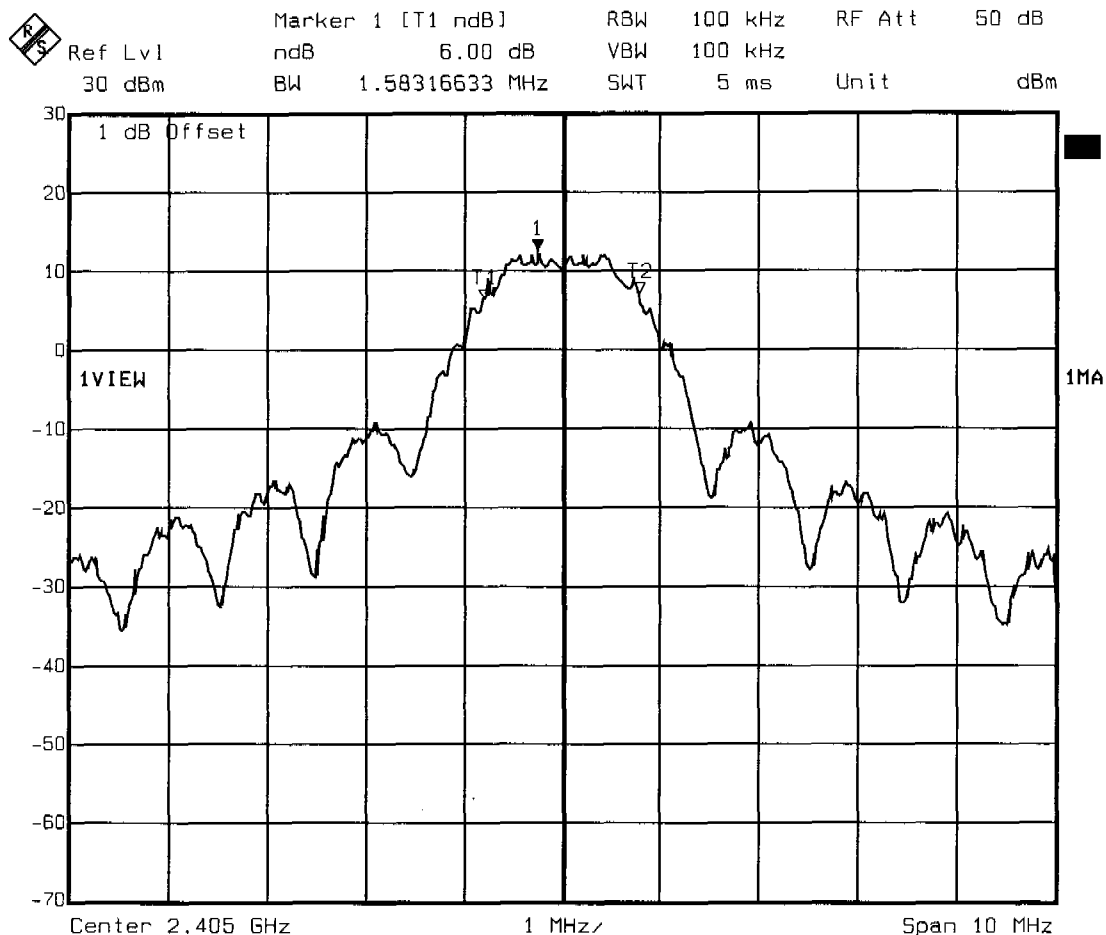
RF power output radiated (EIRP)

## **Appendix D**

6 dB bandwidth

**FCC part 15.247 (a) (2)**  
**Bandwidth**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	FCC part 15.247 (a) (2) Bandwidth
Comment 1	Bandwidth conducted
Comment 2	Channel: 11 / 2405 MHz
Comment 3	



Date: 05.FEB.2007 13:48:01

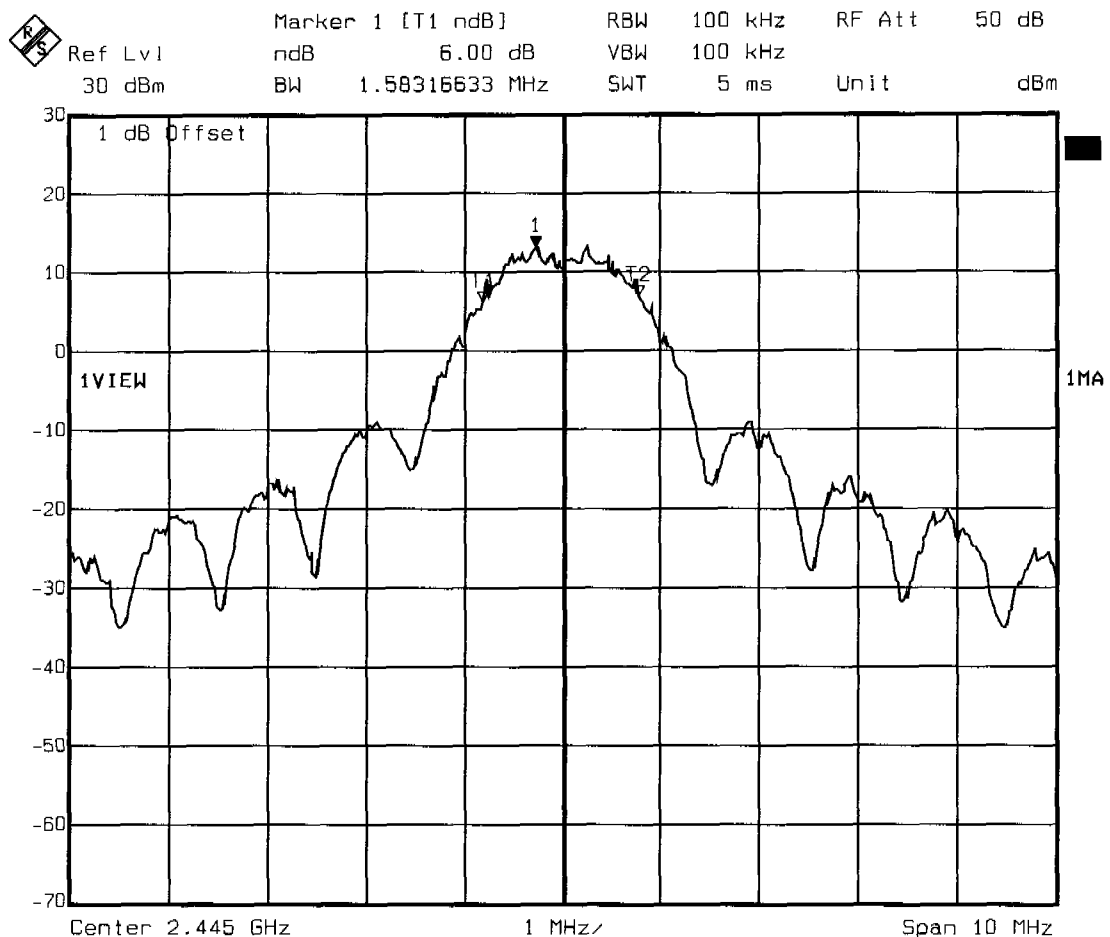
Measurement diagram

ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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**FCC part 15.247 (a) (2)**  
**Bandwidth**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	FCC part 15.247 (a) (2) Bandwidth
Comment 1	Bandwidth conducted
Comment 2	Channel: 19 / 2445 MHz
Comment 3	



Date: 05.FEB.2007 13:49:59

Measurement diagram

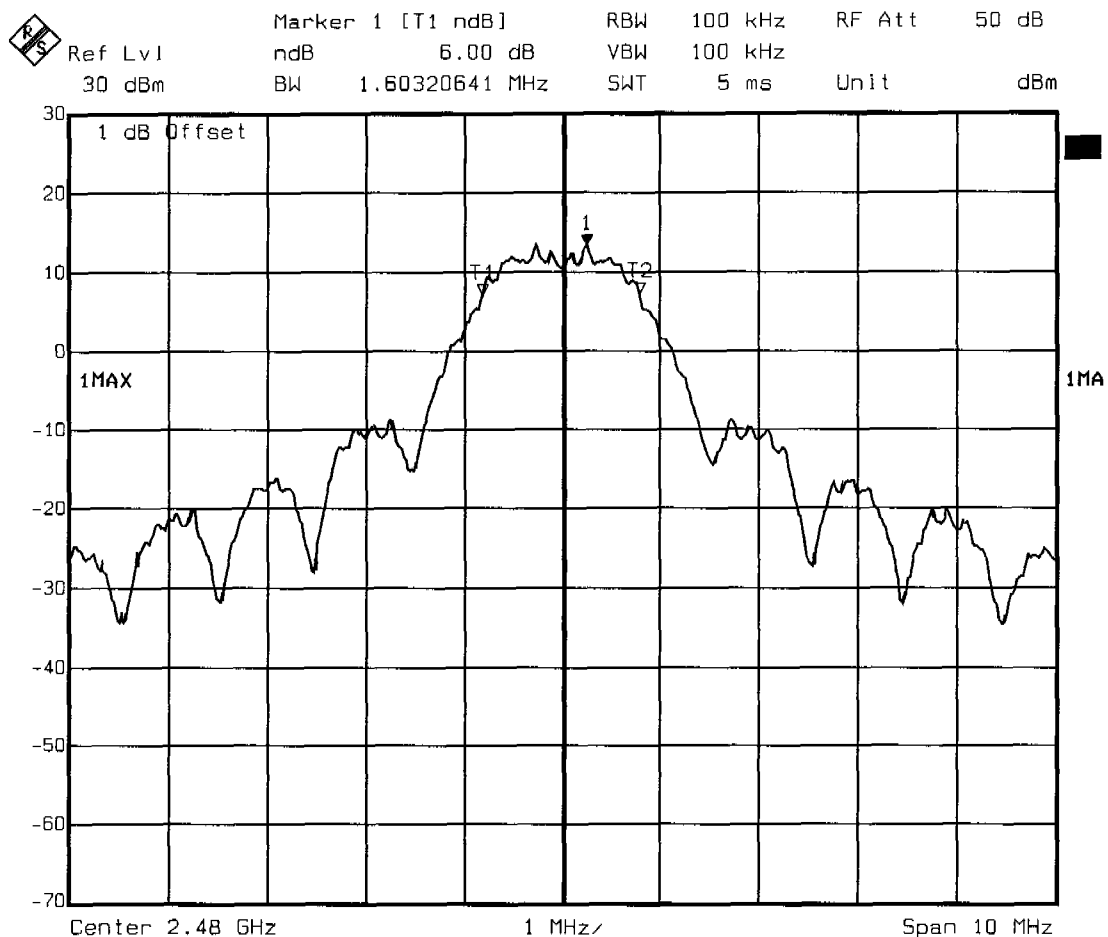
ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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**FCC part 15.247 (a) (2)**  
**Bandwidth**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	FCC part 15.247 (a) (2) Bandwidth
Comment 1	Bandwidth conducted
Comment 2	Channel: 26 / 2480 MHz
Comment 3	



Date: 05.FEB.2007 13:53:13

Measurement diagram

ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

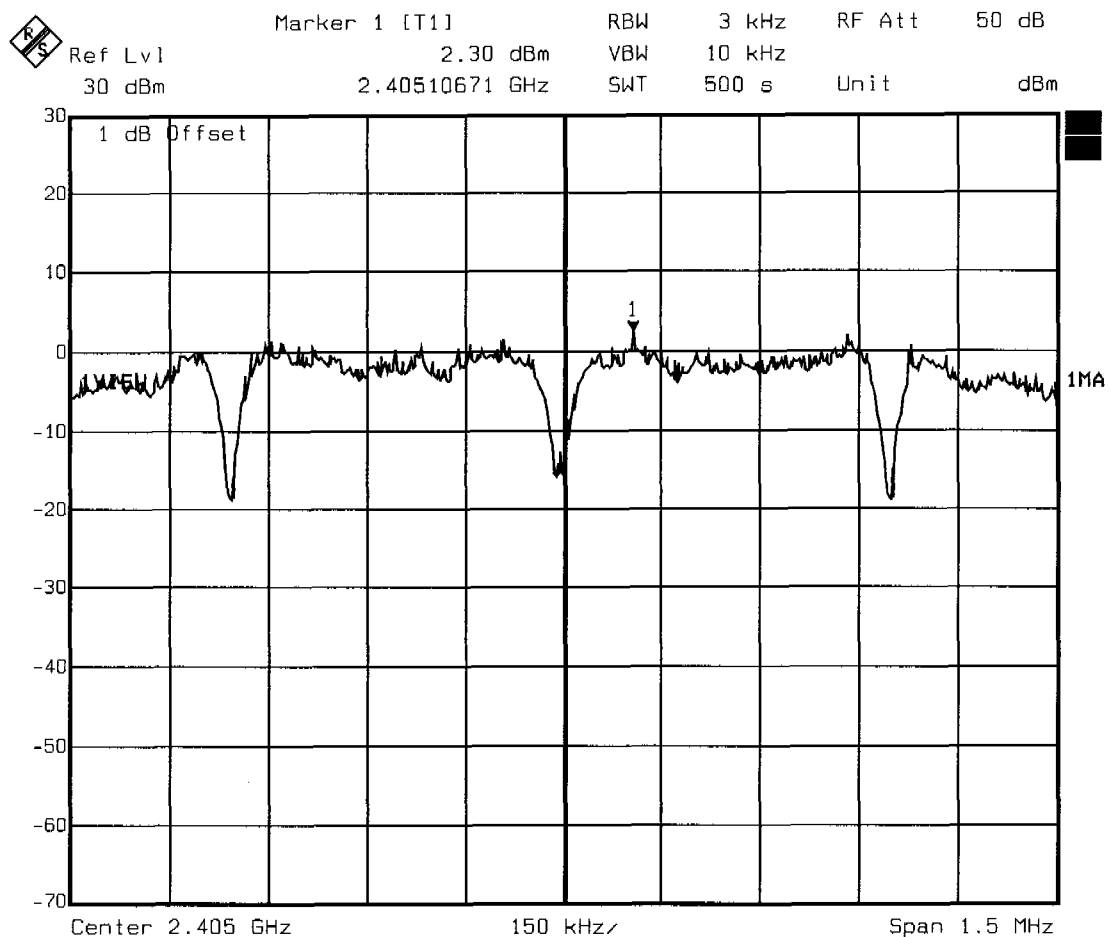
Page 1 of 1

## Appendix E

Peak power spectral density

**FCC part 15.247 (d)**  
**Power spectral density (PSD)**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	FCC part 15.247 (d) (PSD)
Comment 1	Power spectral density conducted
Comment 2	Channel: 11 / 2405 MHz
Comment 3	



Date: 05.FEB.2007 14:18:49

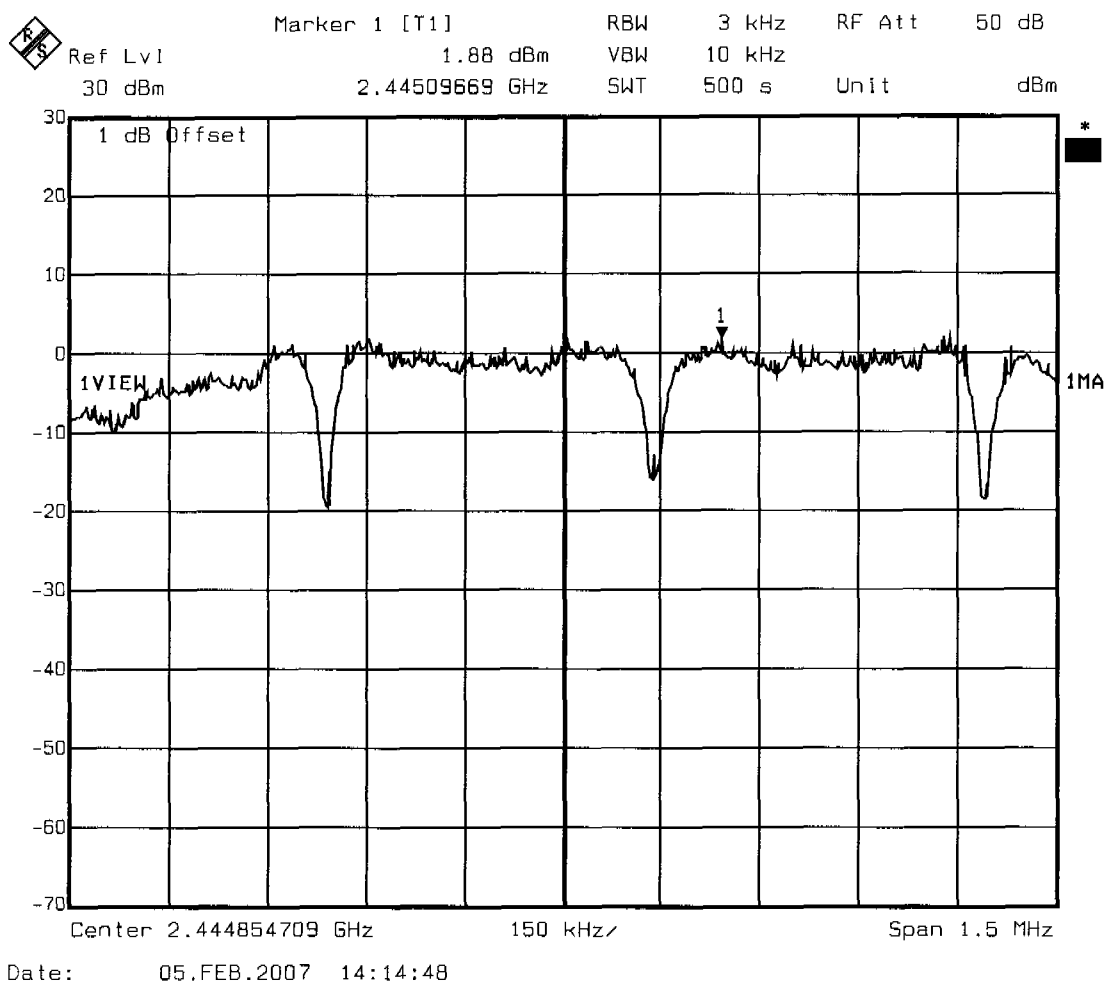
Measurement diagram

ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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**FCC part 15.247 (d)**  
**Power spectral density (PSD)**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	FCC part 15.247 (d) (PSD)
Comment 1	Power spectral density conducted
Comment 2	Channel: 19 / 2445 MHz
Comment 3	



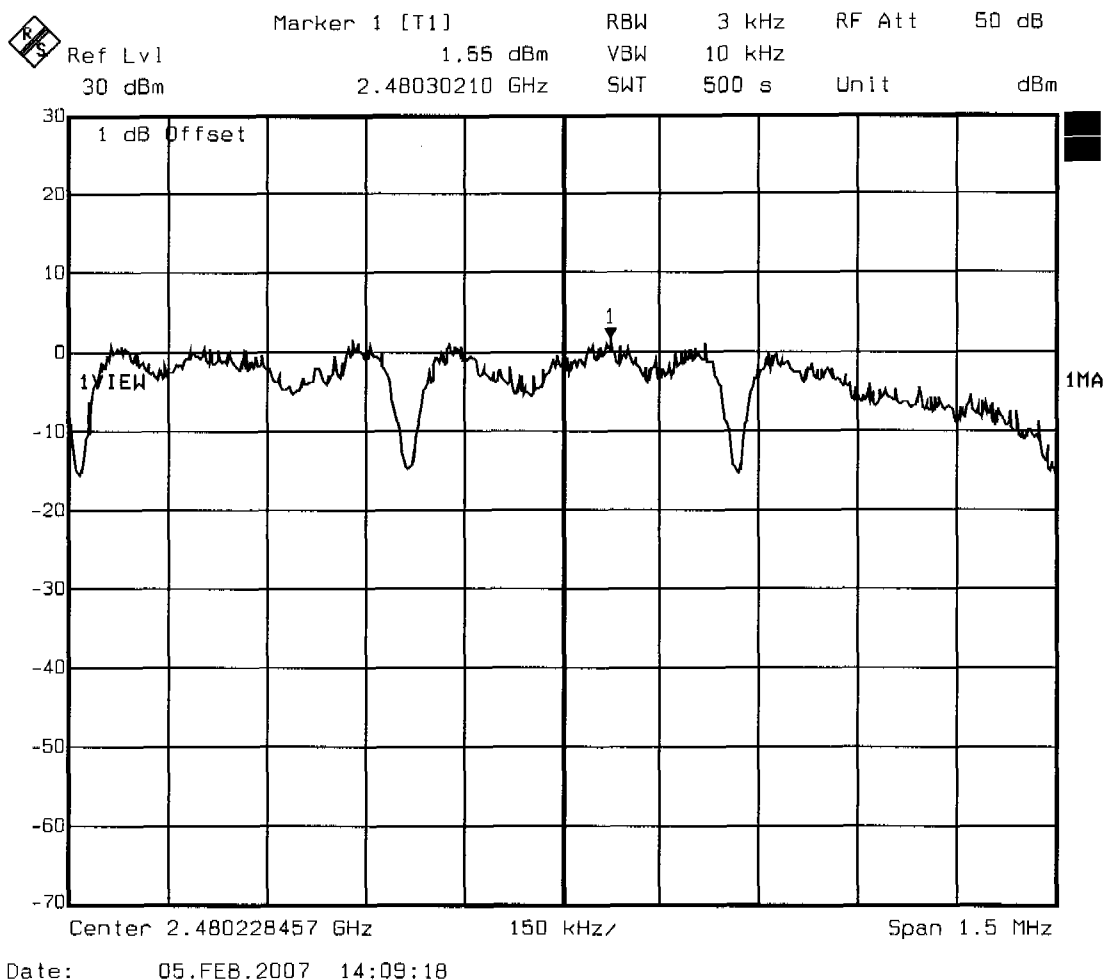
Measurement diagram

ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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**FCC part 15.247 (d)**  
**Power spectral density (PSD)**

EUT	Wireless Sensor
Model	VA301W
Approval Holder	Honeywell
Temperature / Voltage	25°C / Voltage: 3.6V DC
Test Site / Operator	ETS
Test Specification	FCC part 15.247 (d) (PSD)
Comment 1	Power spectral density conducted
Comment 2	Channel: 26 / 2480 MHz
Comment 3	



Measurement diagram

ETS Product Service AG  
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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## **Appendix F**

Spurious emission conducted

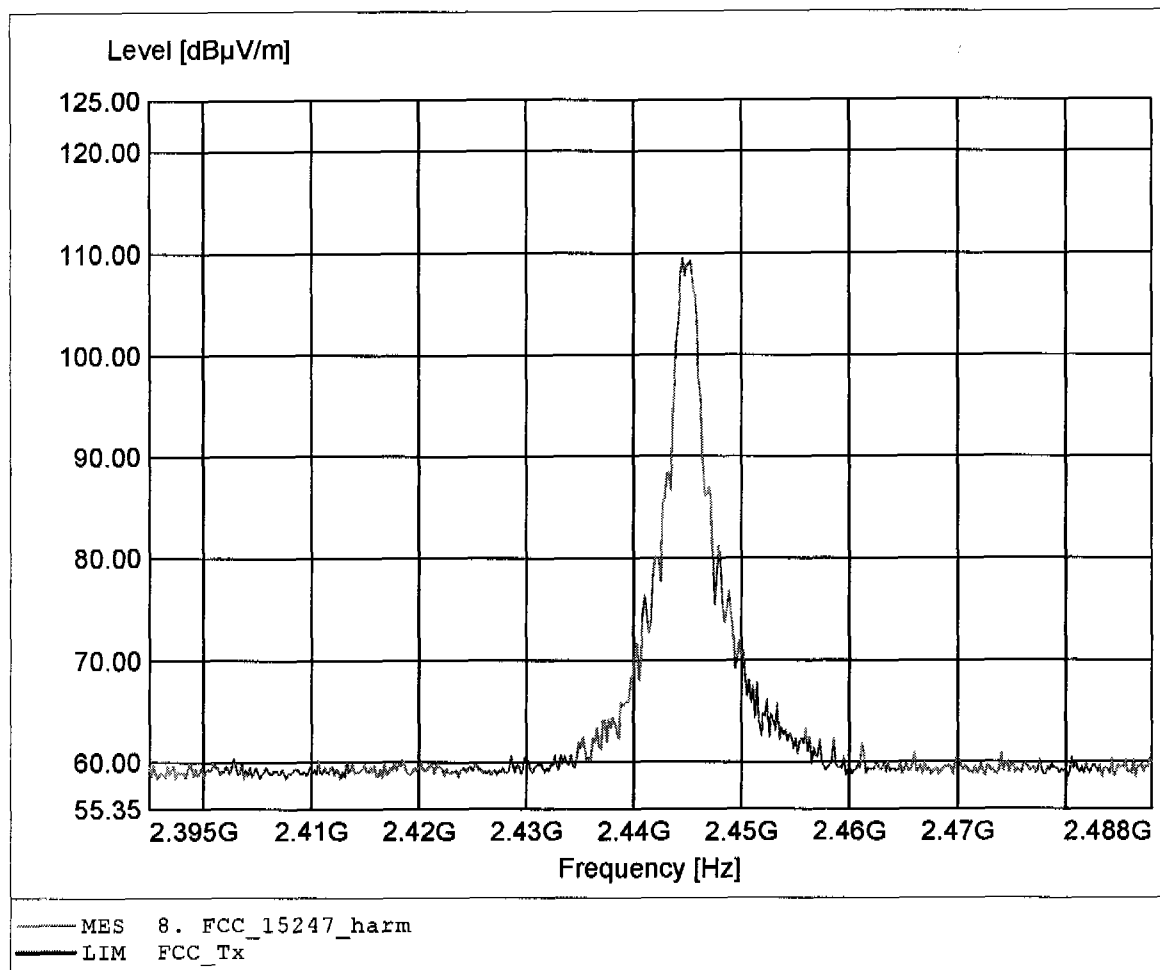
## **Appendix G**

Spurious emission radiated

# Carrier power (Field Strength)

## FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: BBHA9120D  
Comment 2: Freq: 2.445GHz, Emax: 109.61dBµV/m, RBW: 100kHz

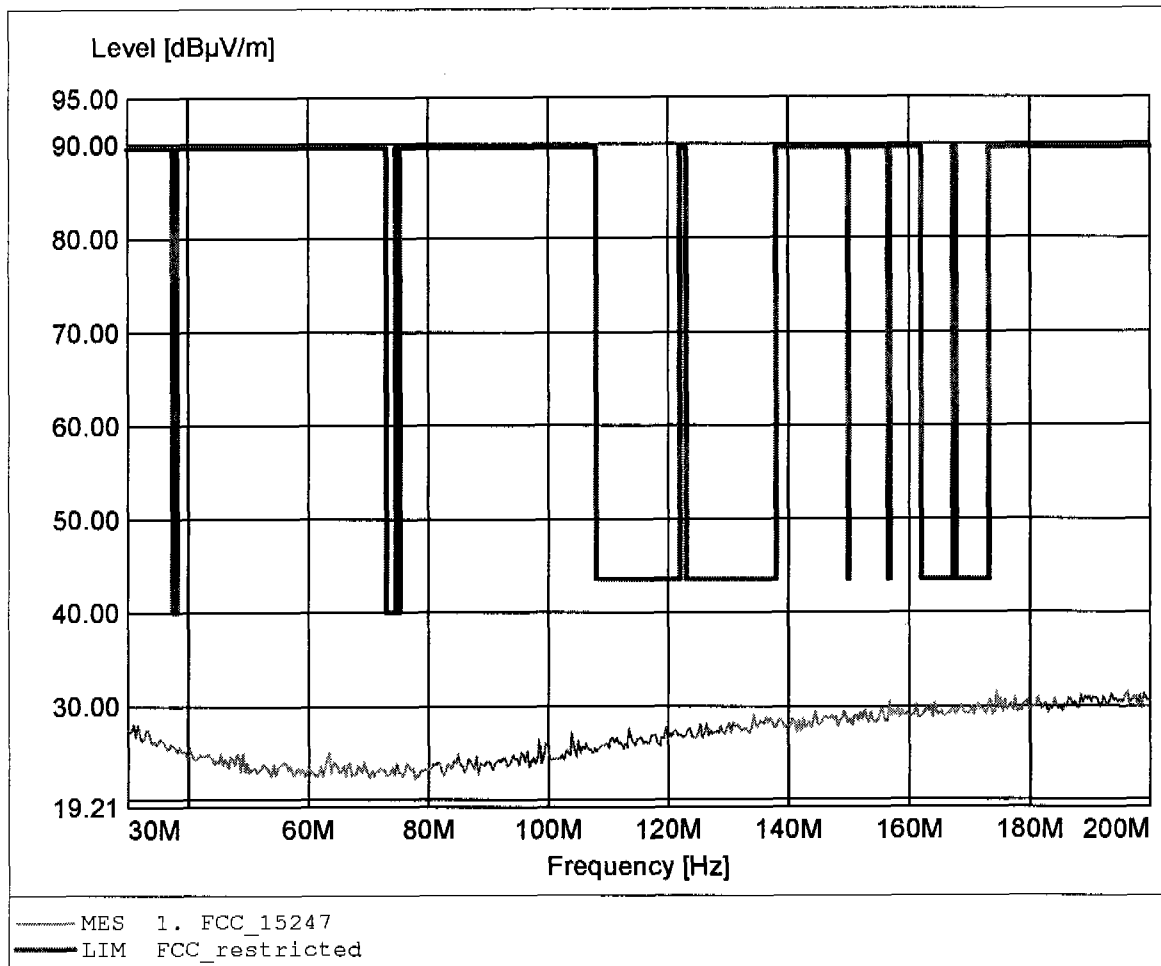




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

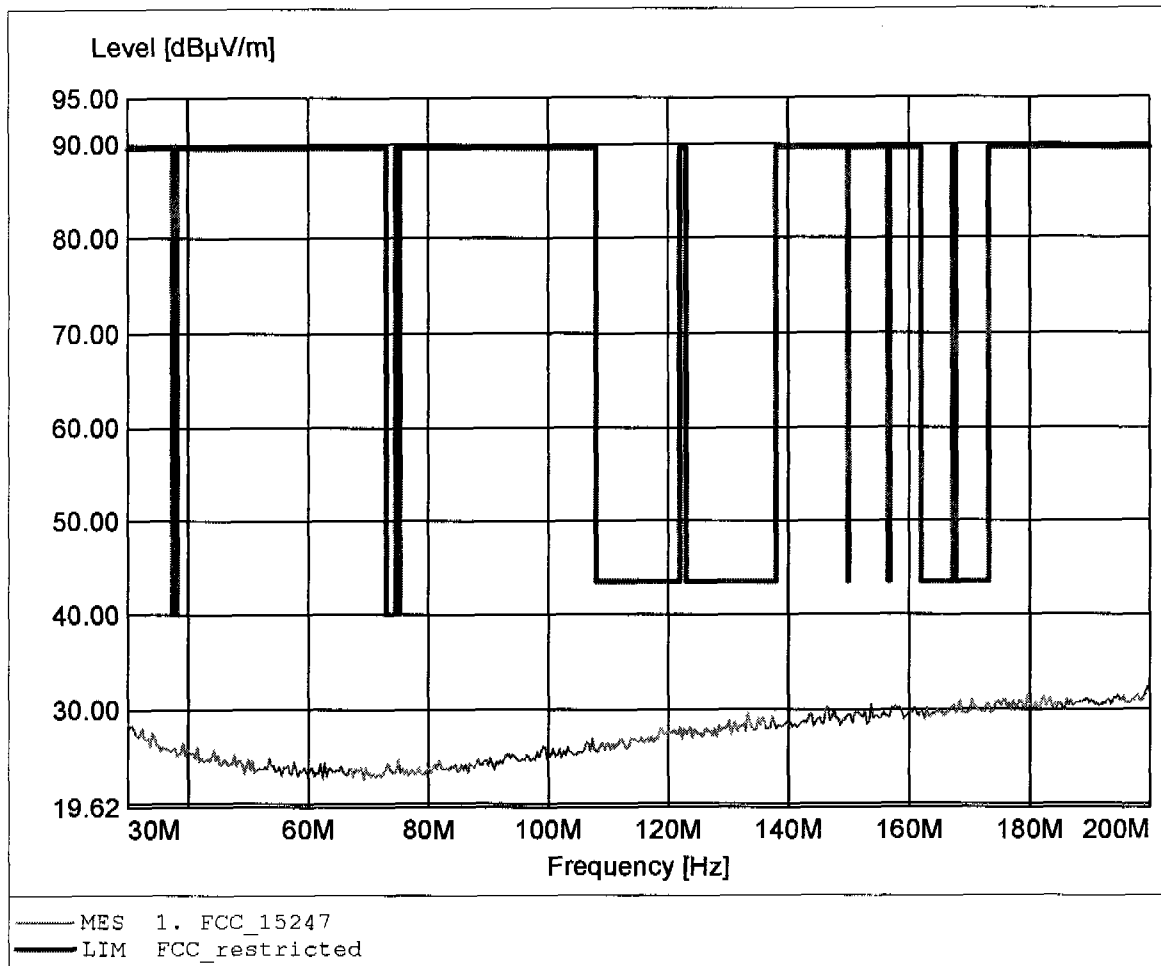
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 174.449MHz, Emax: 31.61dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

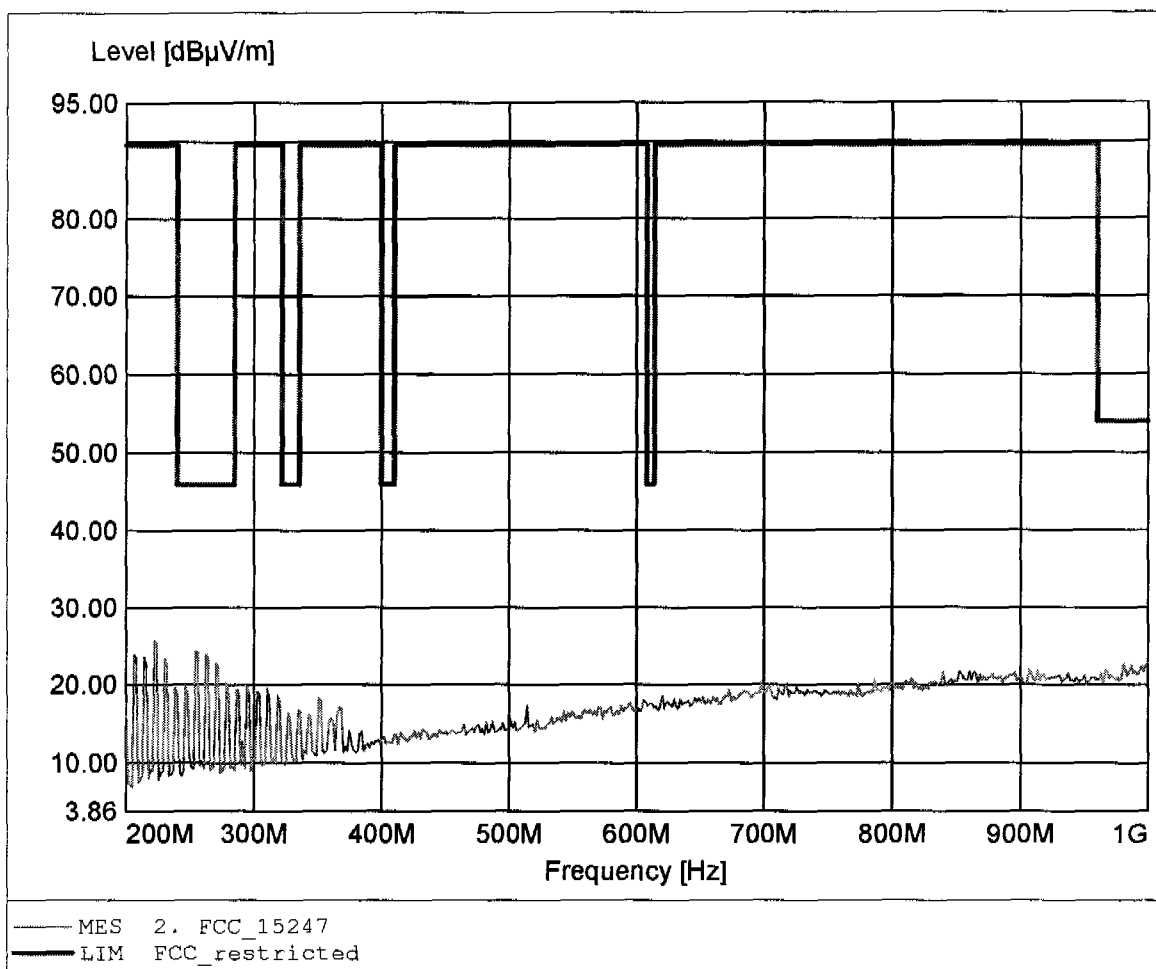
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 199.659MHz, Emax: 32.32dBμV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

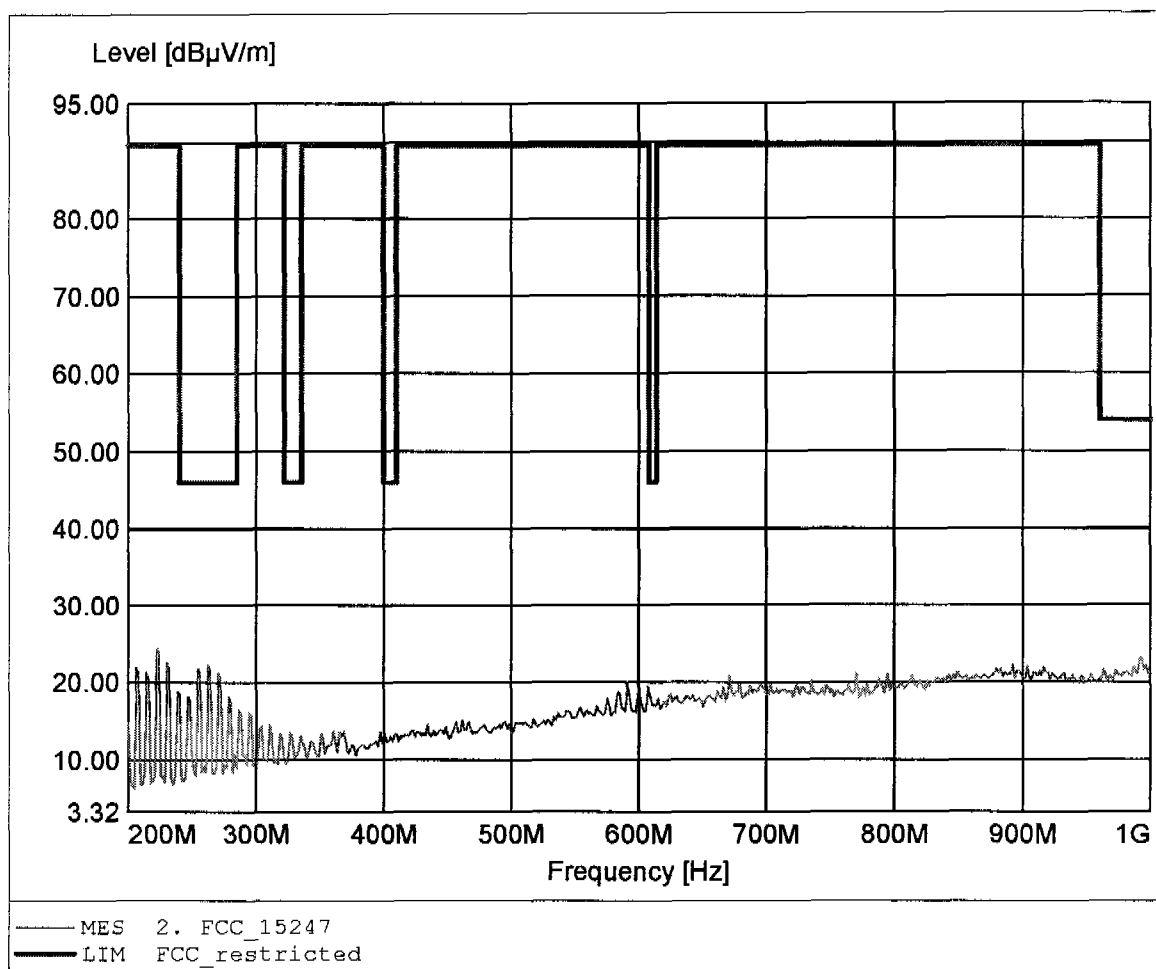
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 222.445MHz, Emax: 25.65dBμV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

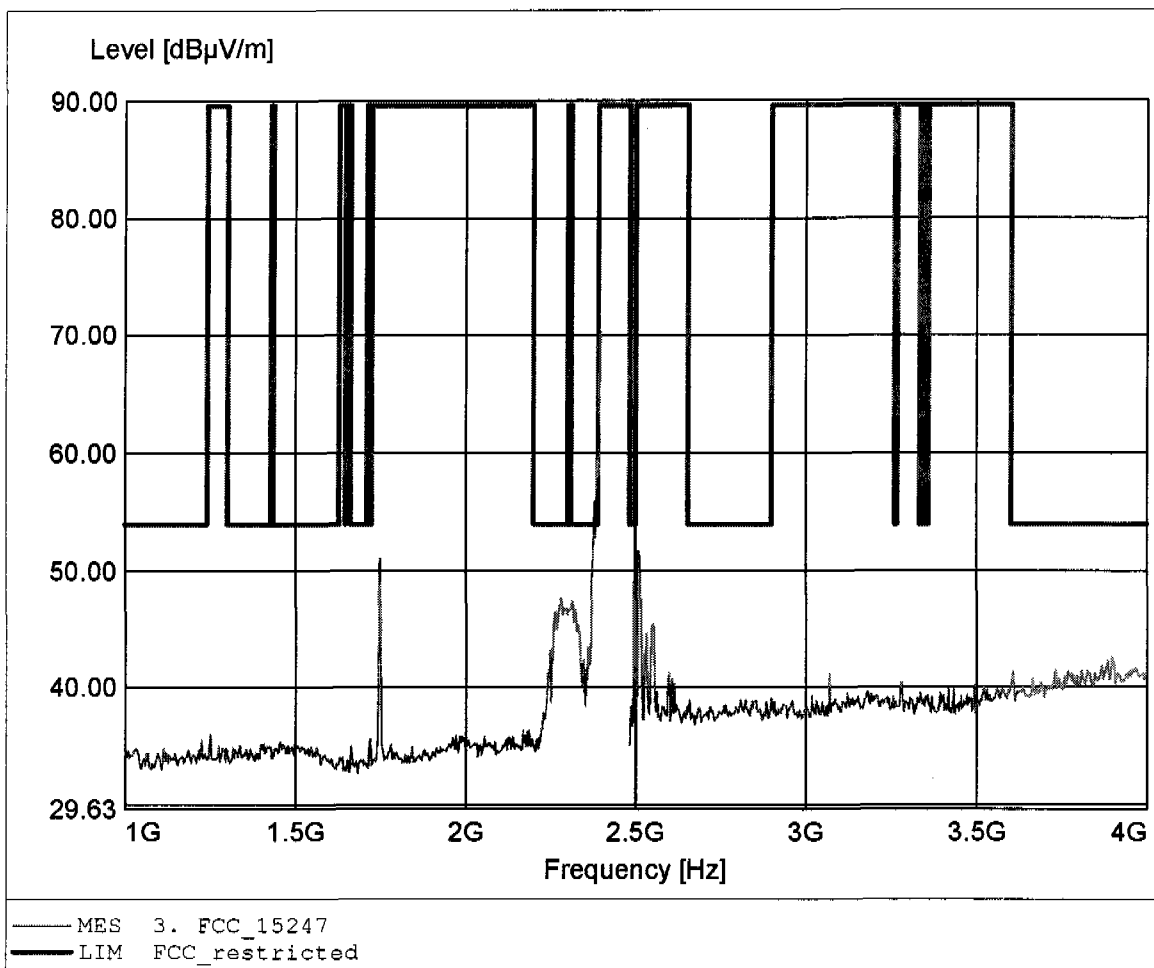
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 222.445MHz, Emax: 24.47dBμV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

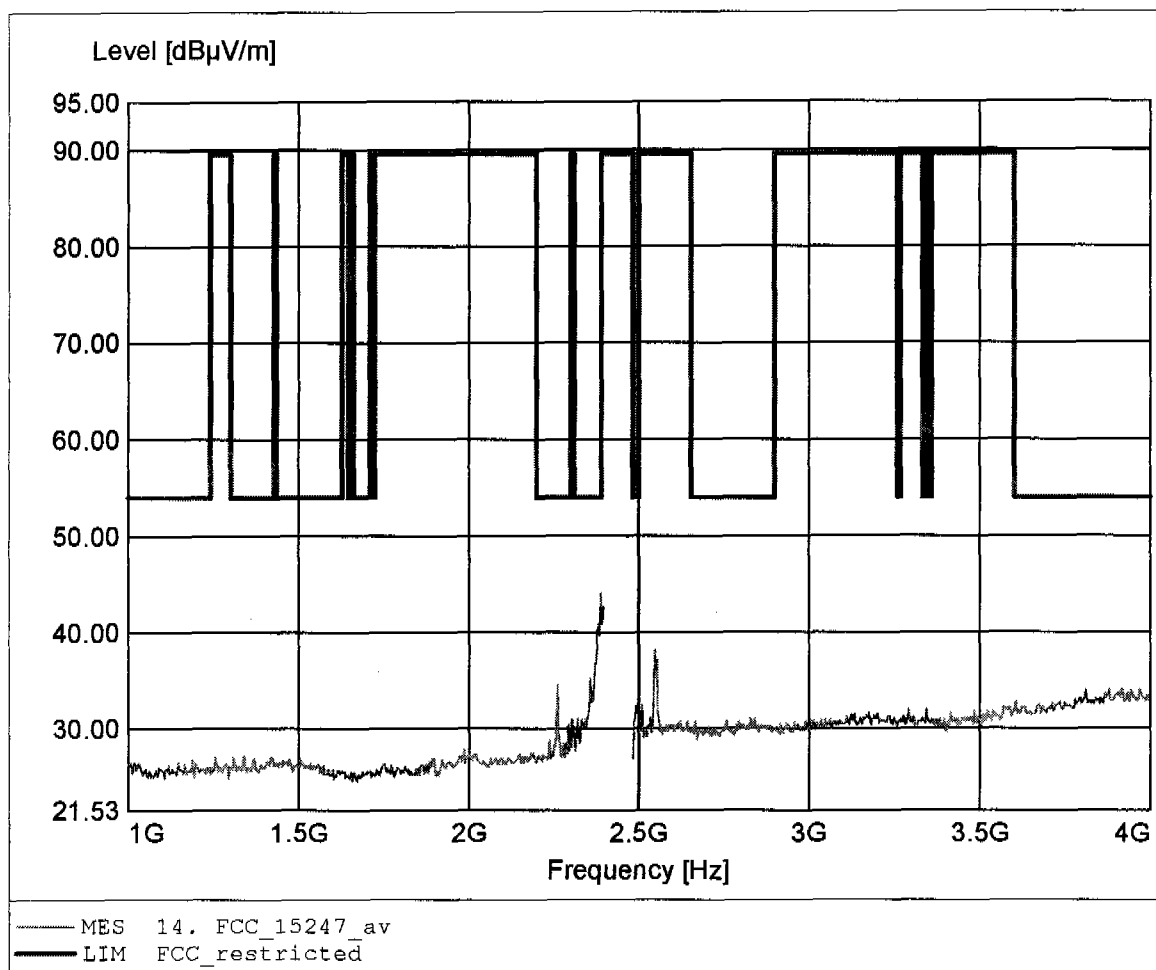
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.397GHz, Emax: 70.22dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

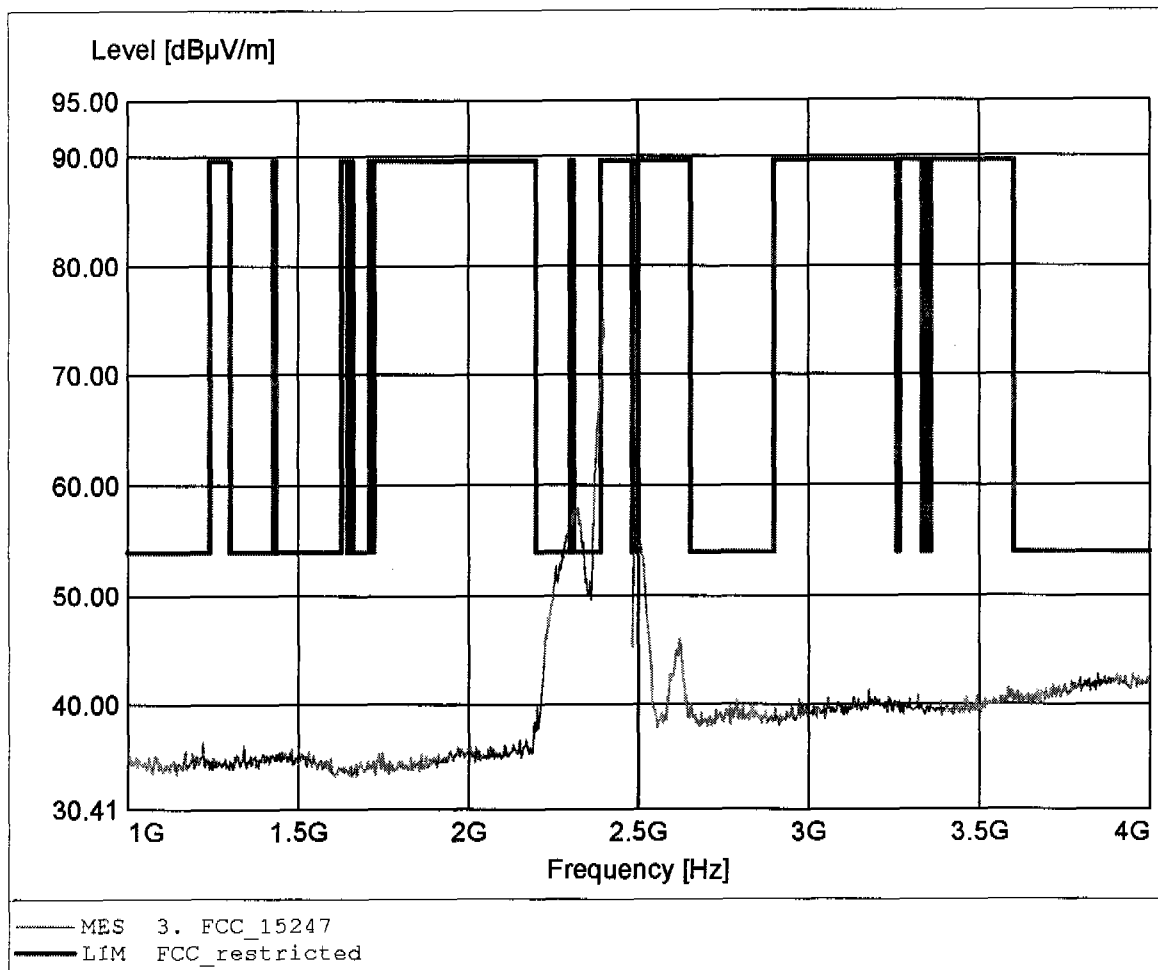
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to S15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.389GHz, Emax: 44.06dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

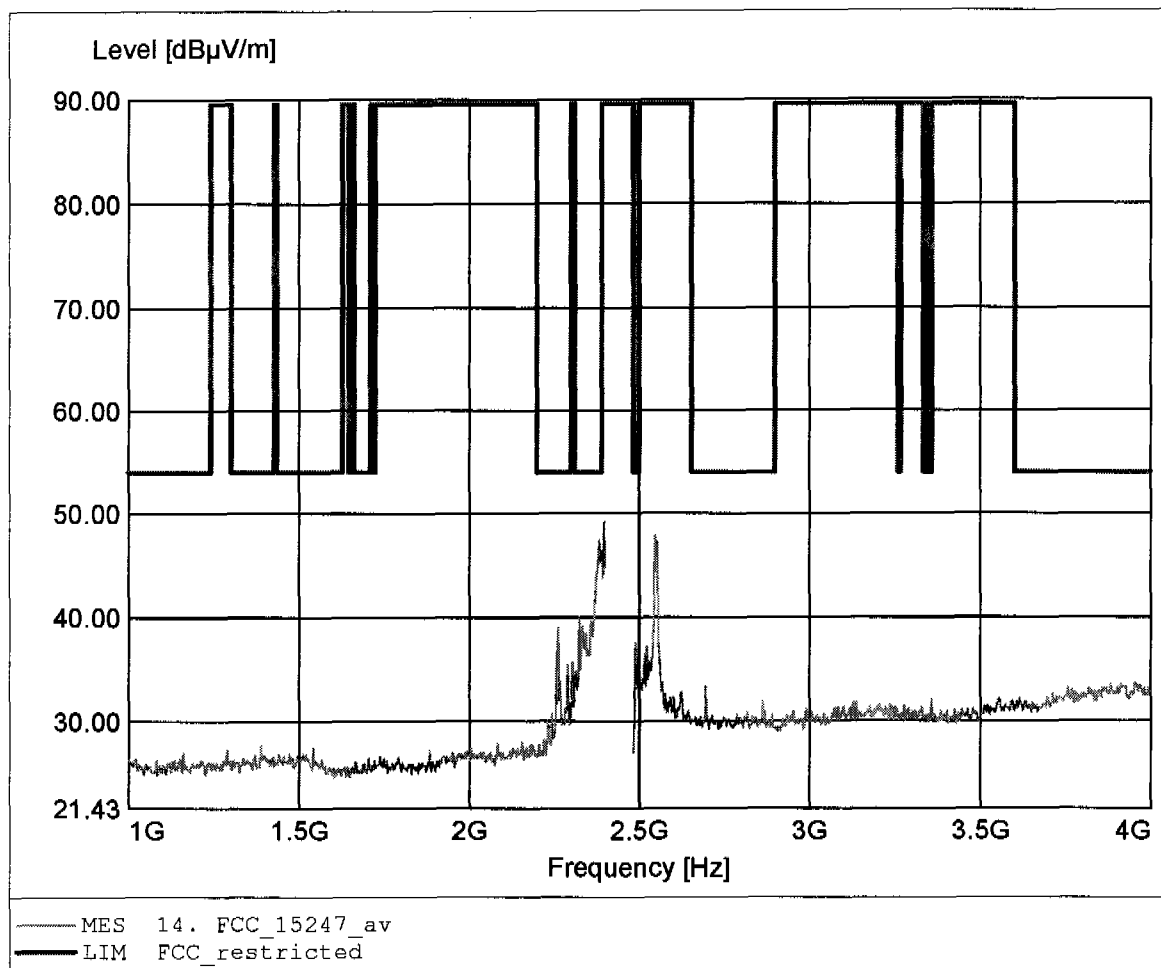
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.397GHz, Emax: 73.8 3dBµV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.397GHz, Emax: 49.24dBμV/m, RBW: 1MHz

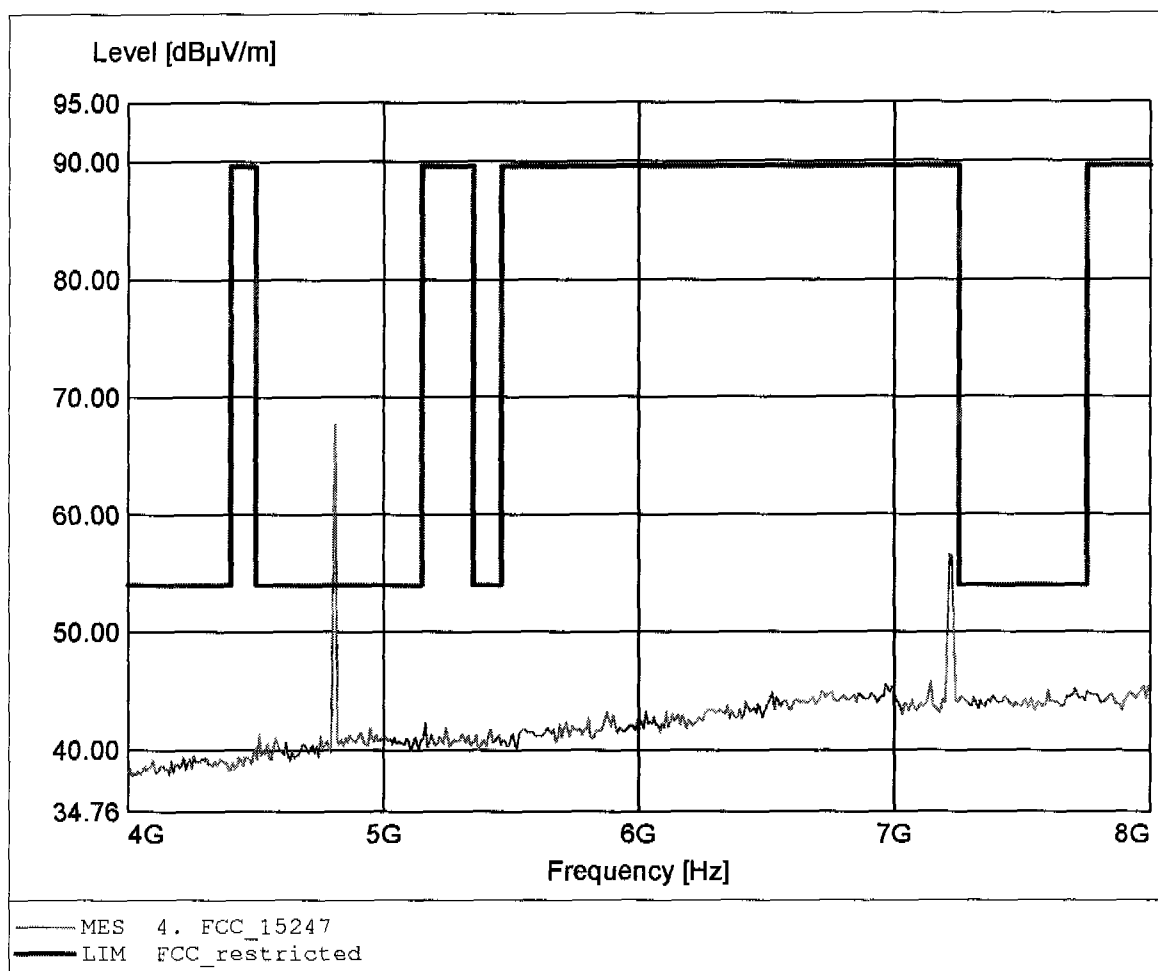




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

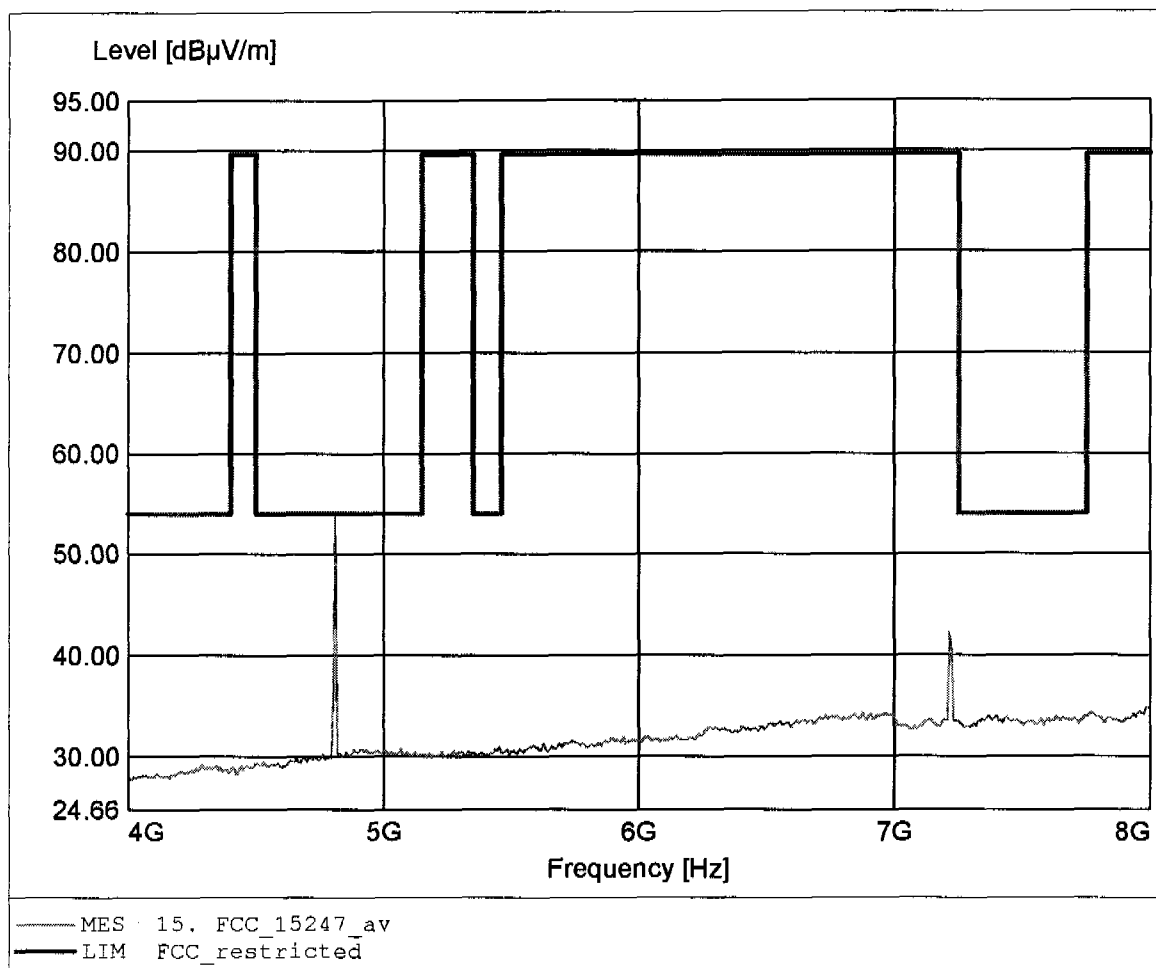
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.810GHz, Emax: 67.61dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

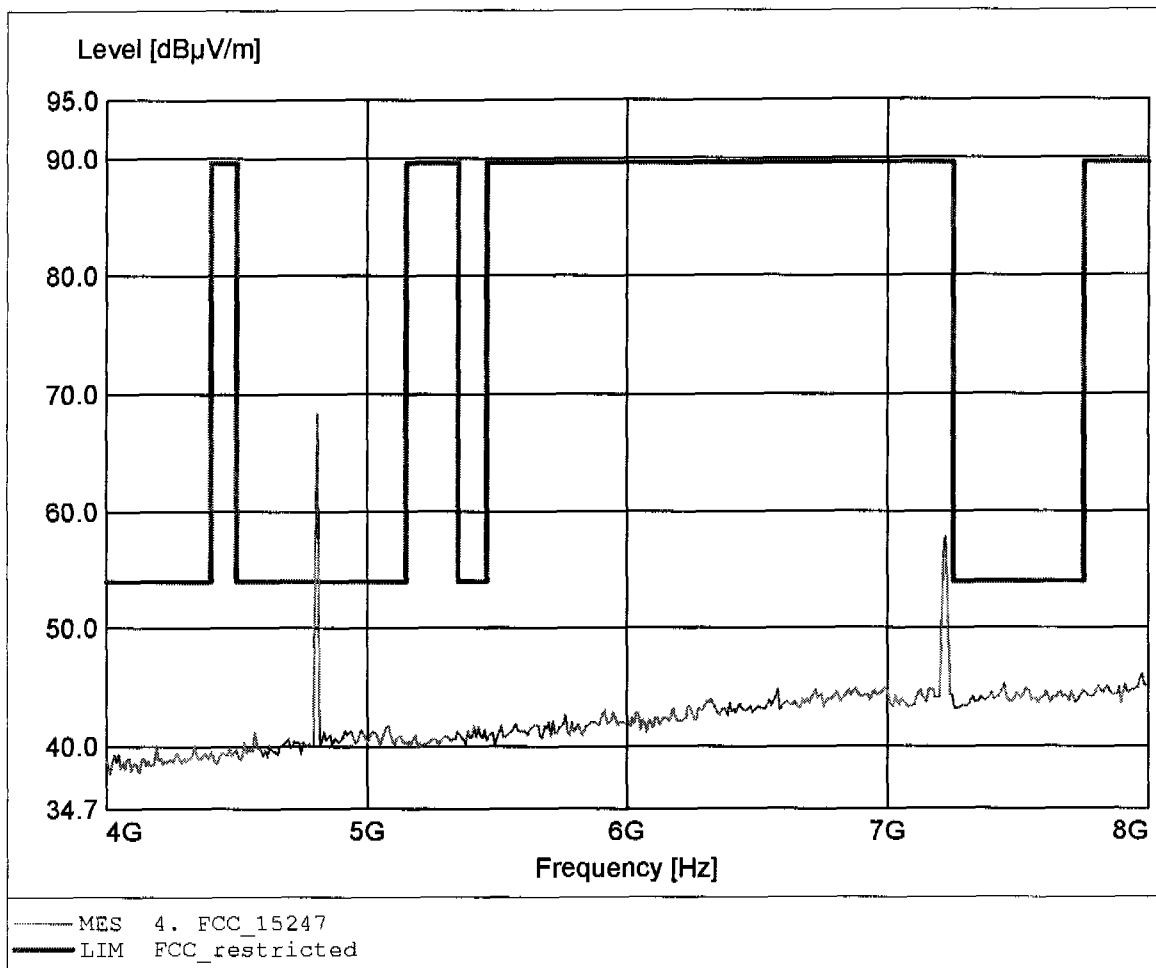
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.810GHz, Emax: 53.76dBμV/m, REW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

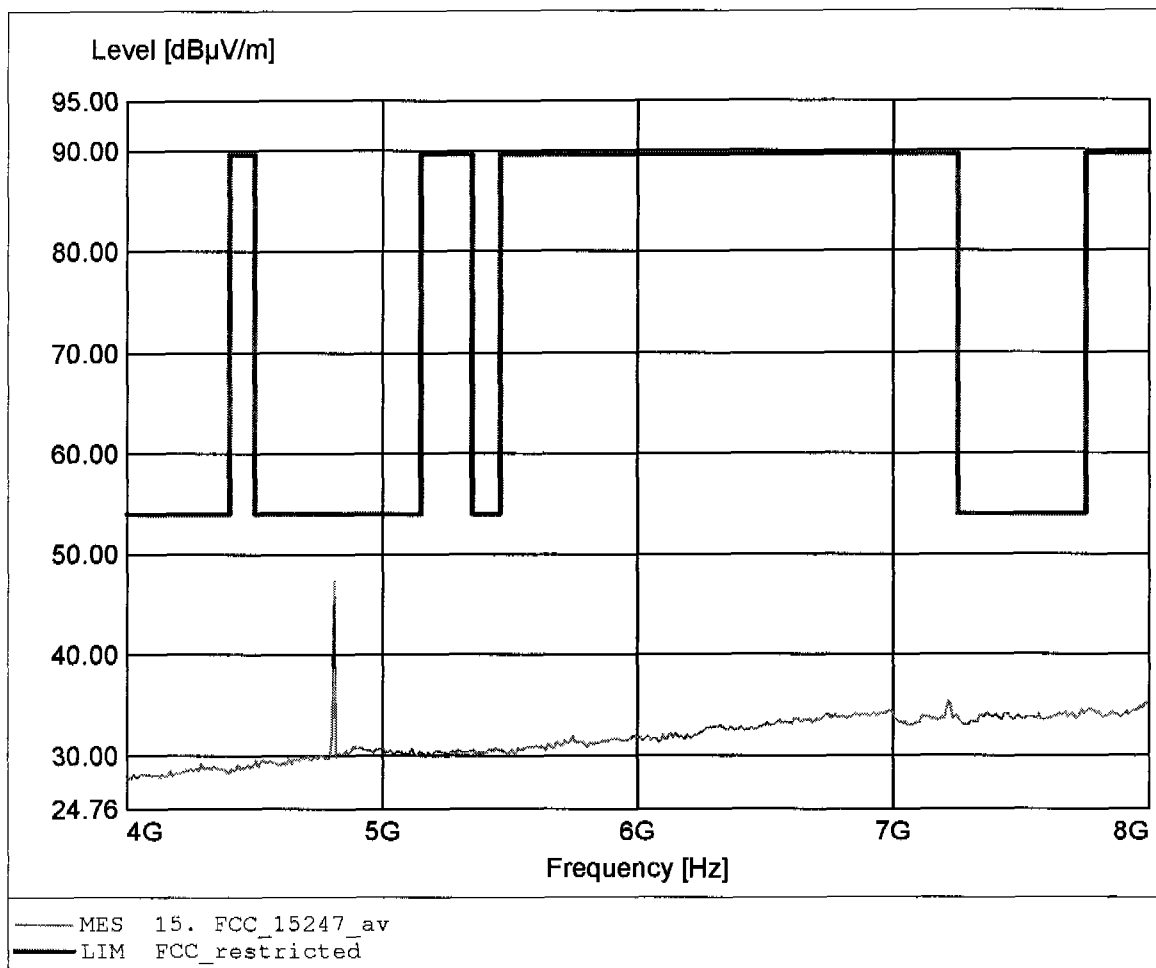
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.810GHz, Emax: 68.31dBµV/m, REW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

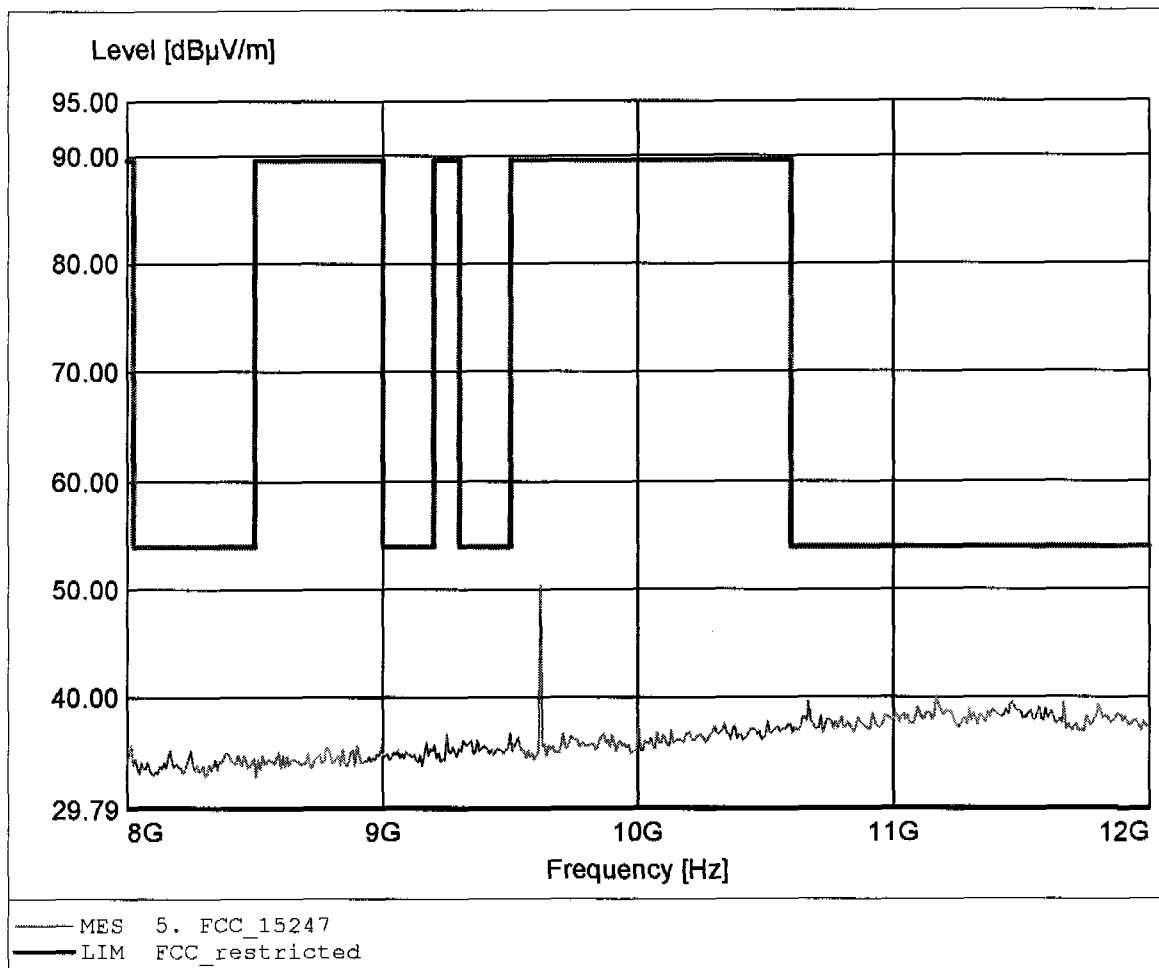
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.810GHz, Emax: 47.31dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

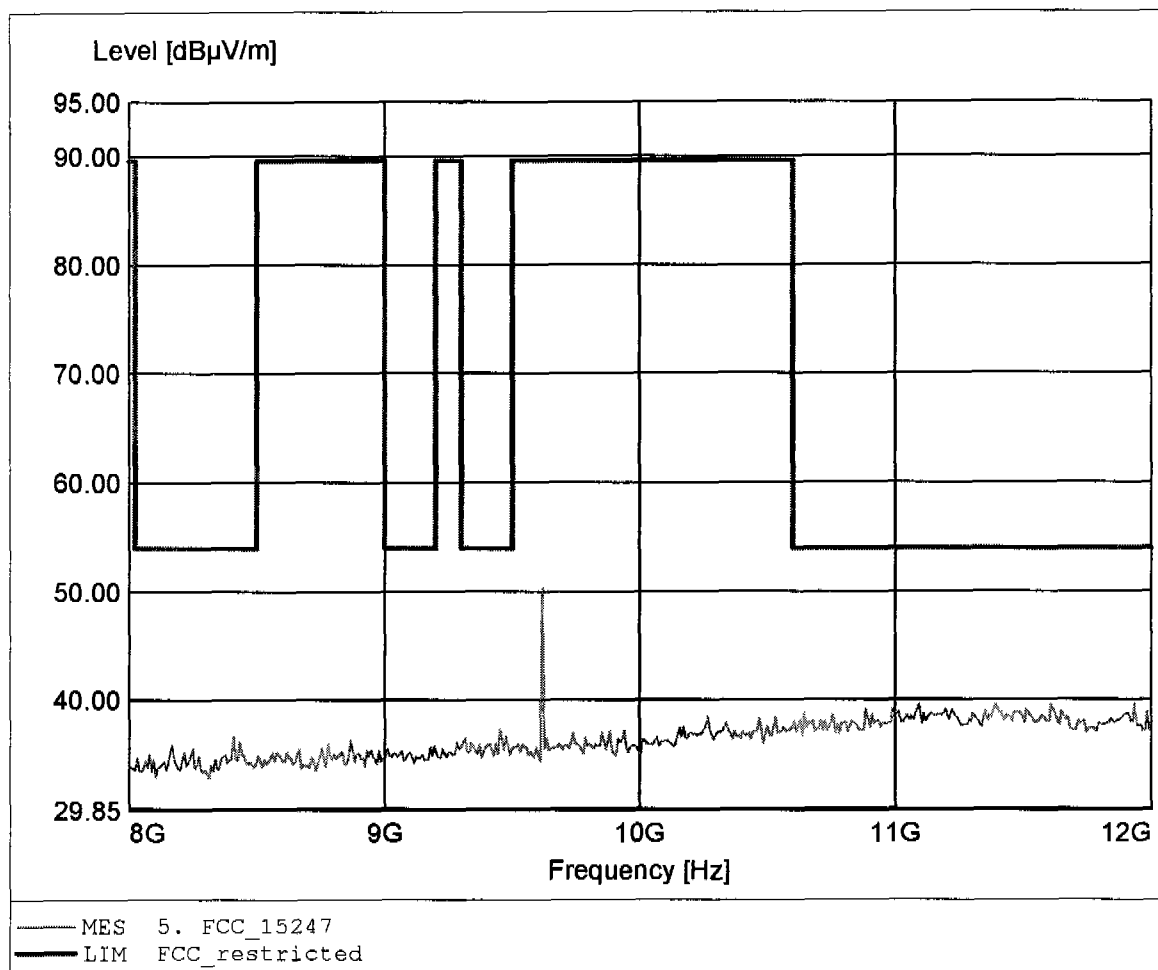
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.619GHz, Emax: 50.36dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

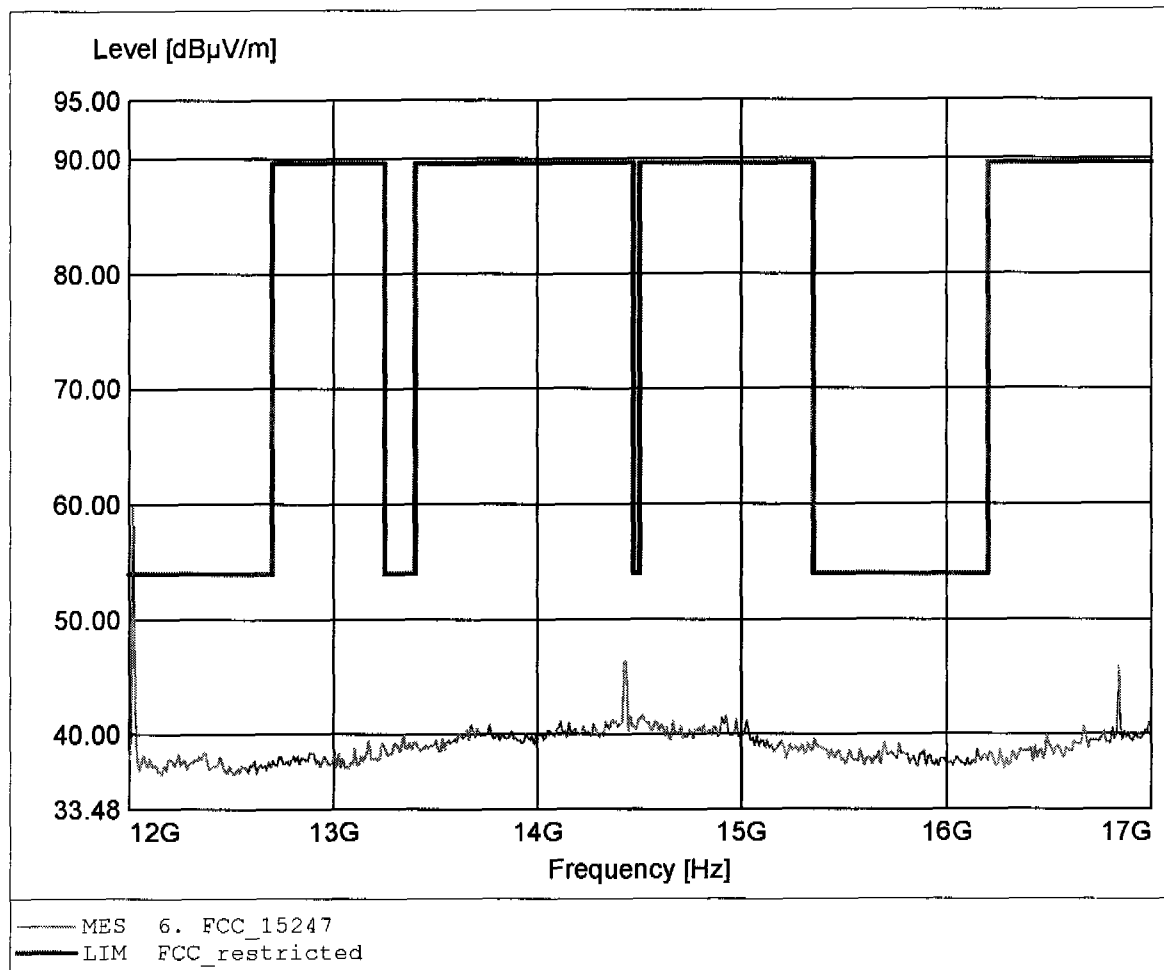
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.619GHz, Emax: 50.33dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

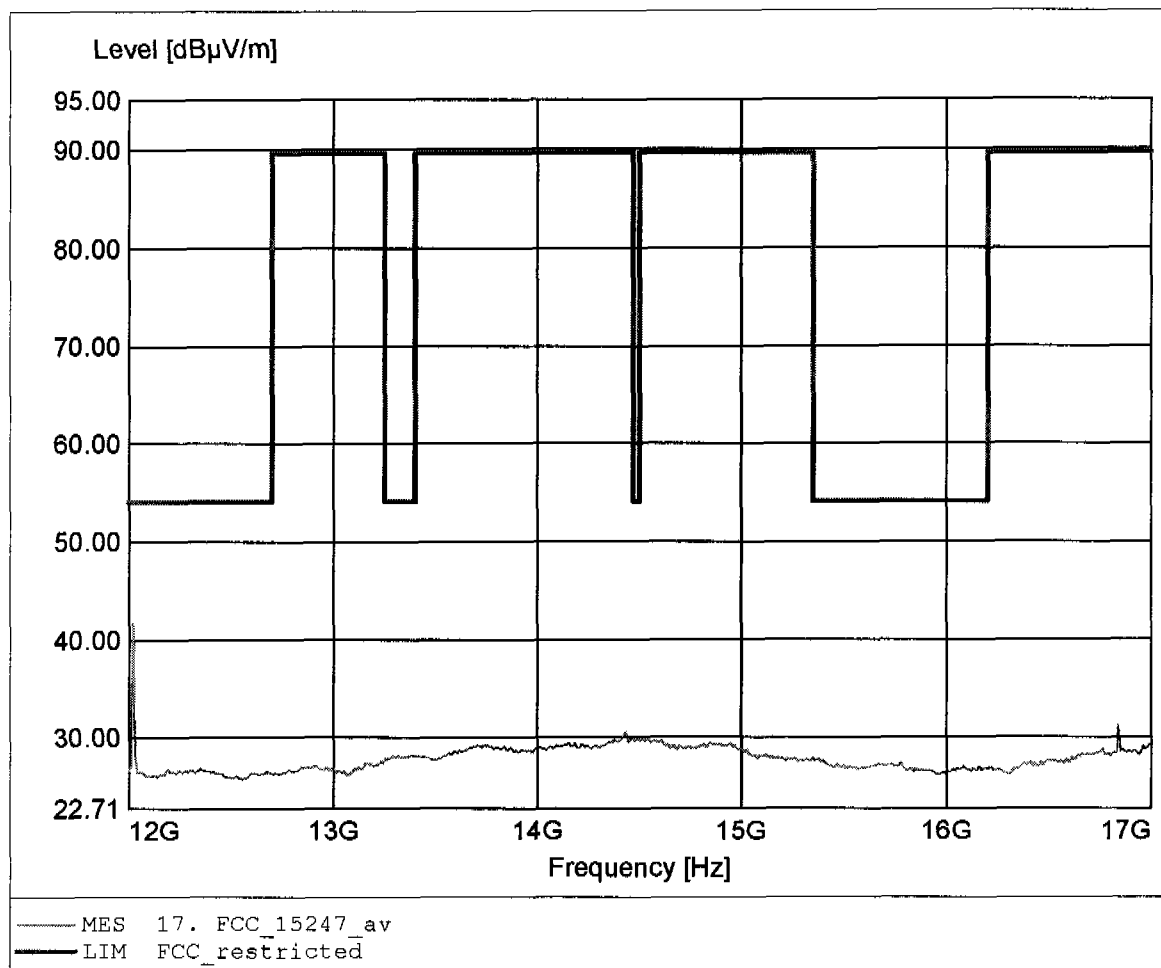
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.020GHz, Emax: 59.94dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.020GHz, Emax: 41.66dBµV/m, RBW: 1MHz

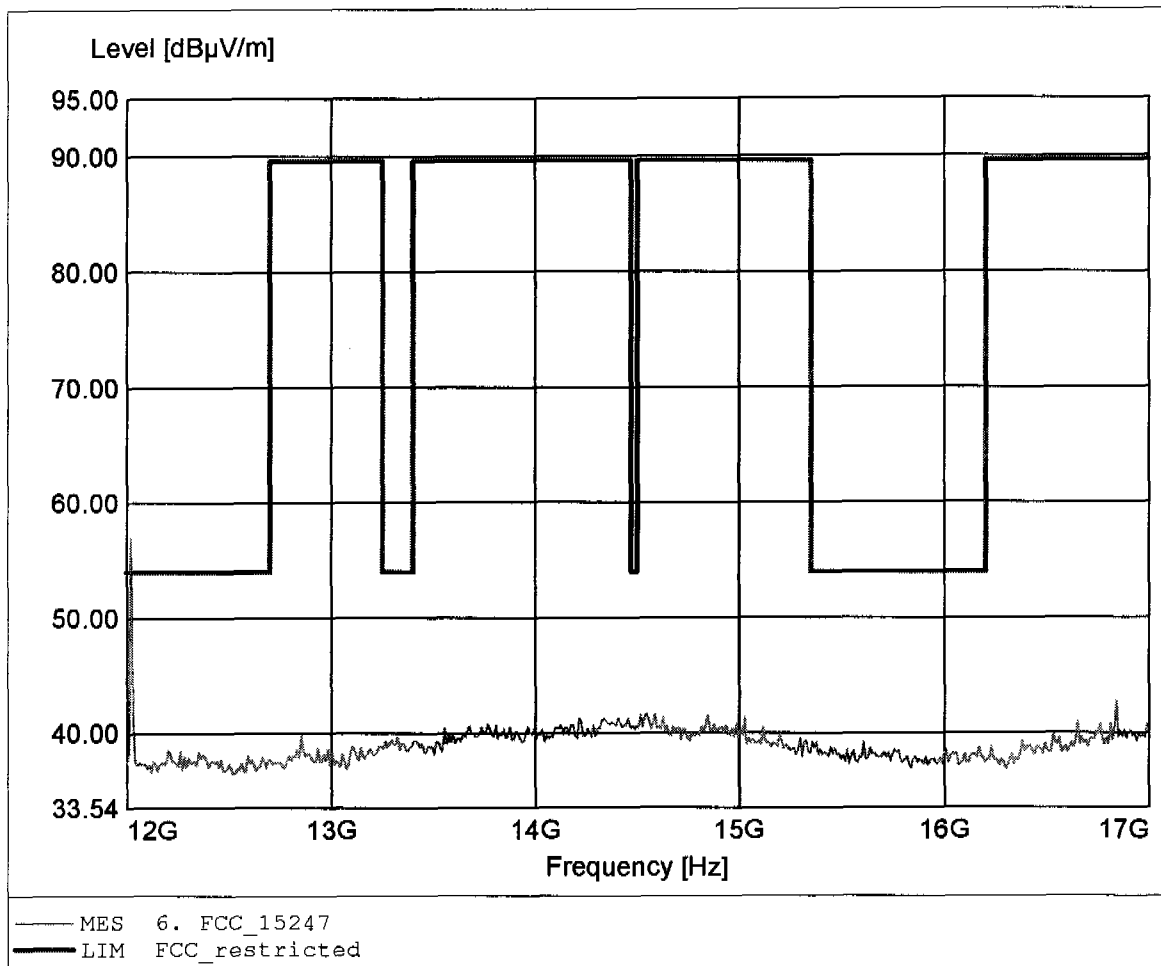




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

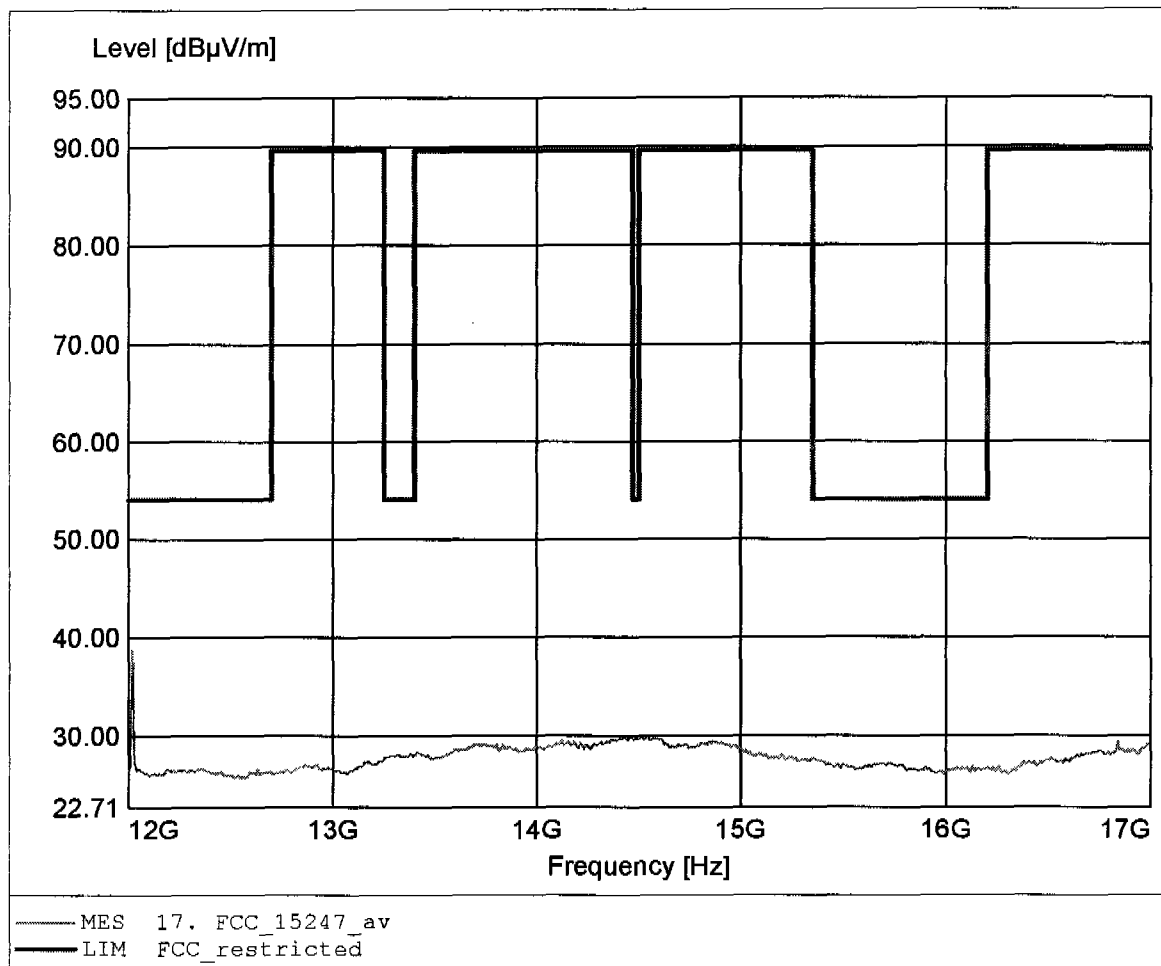
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.020GHz, Emax: 56.96dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

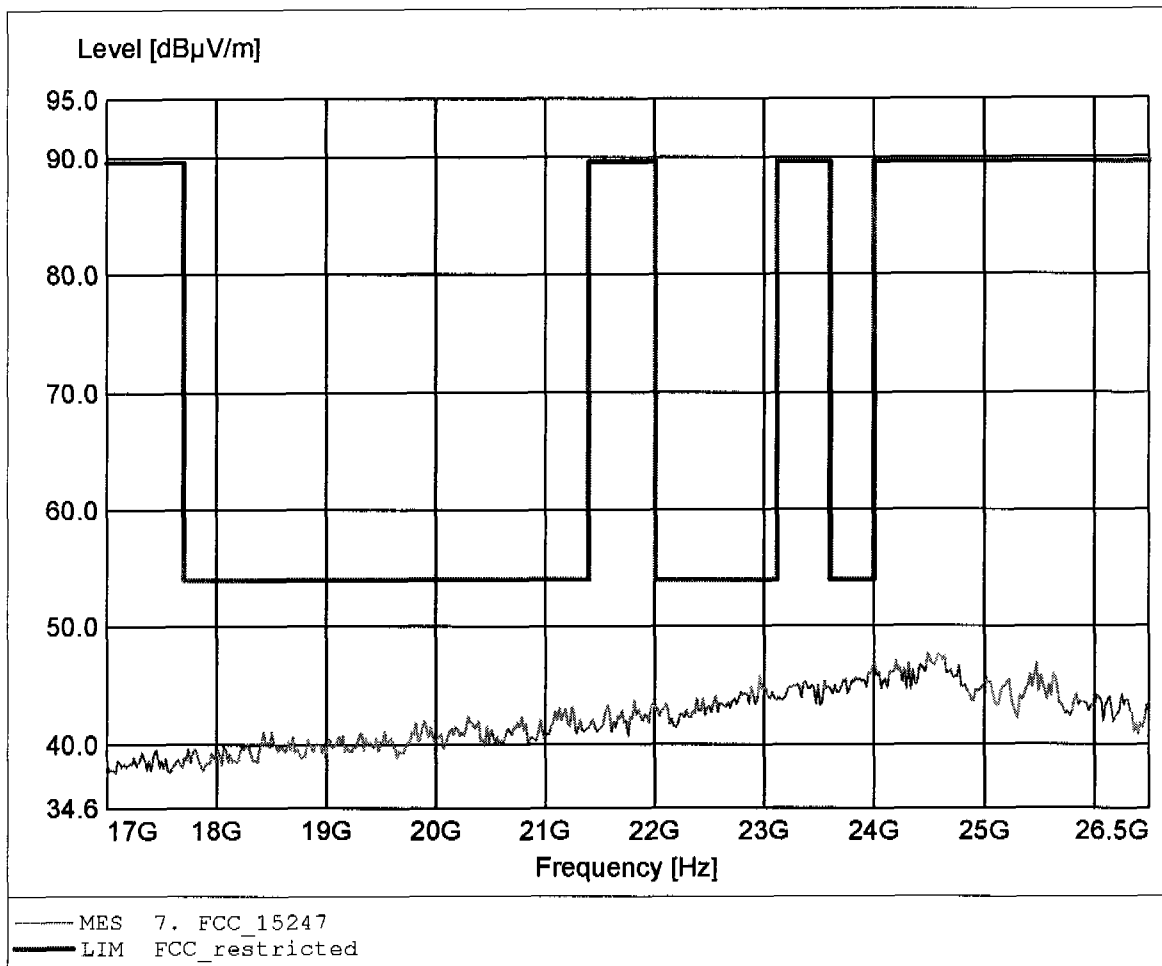
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.020GHz, Emax: 38.73dBµV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

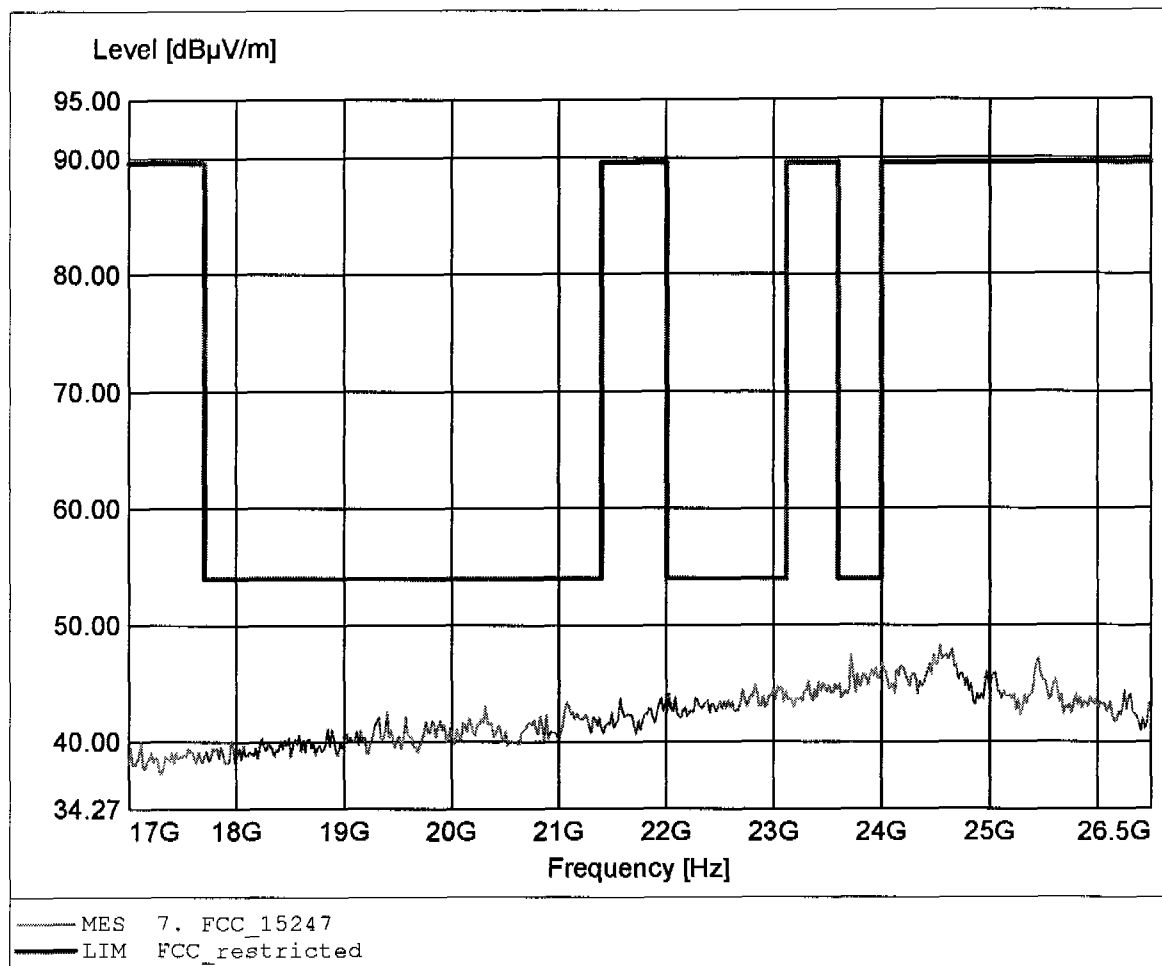
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.482GHz, Emax: 47.61dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

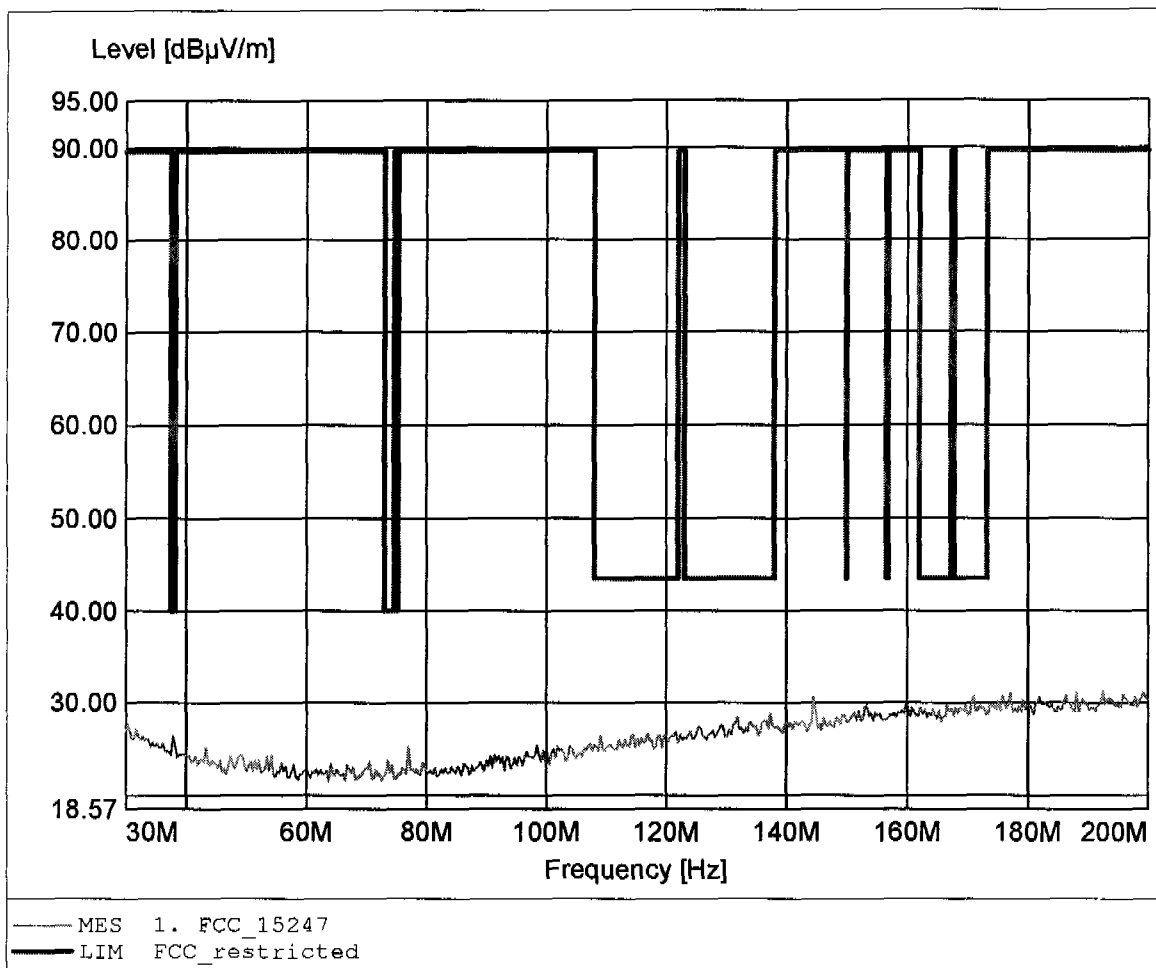
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2405 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.539GHz, Emax: 48.24dBuV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

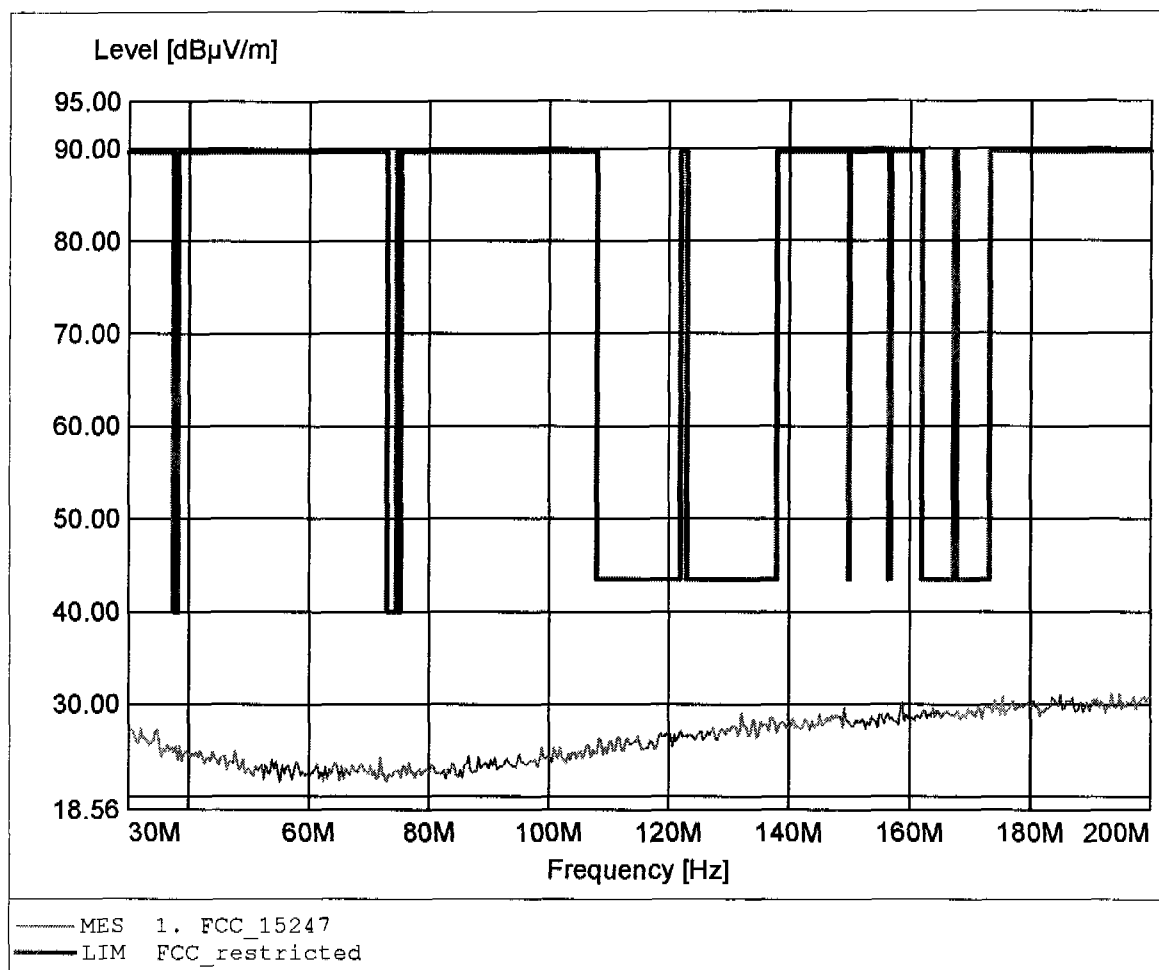
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 192.505MHz, Emax: 31.30dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

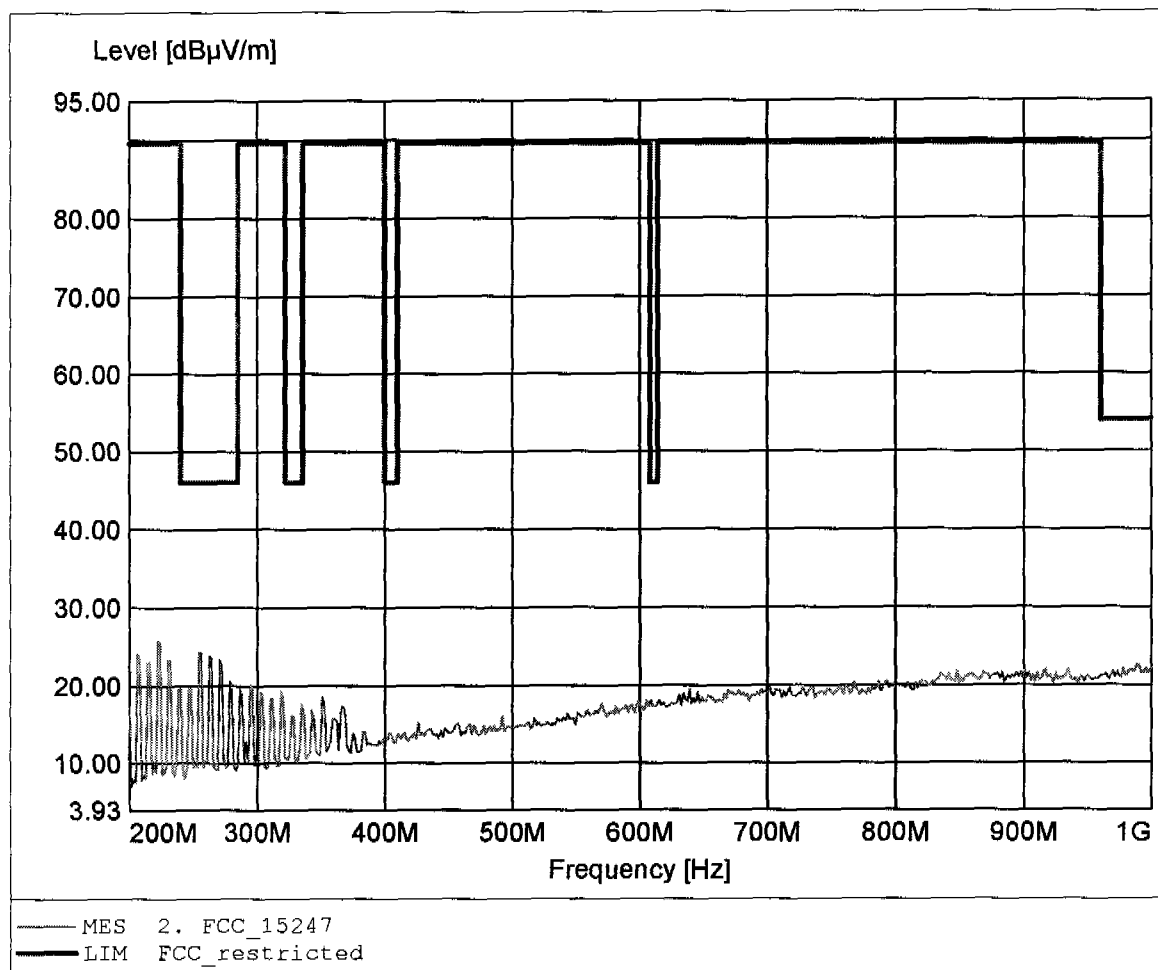
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 193.527MHz, Emax: 31.22dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

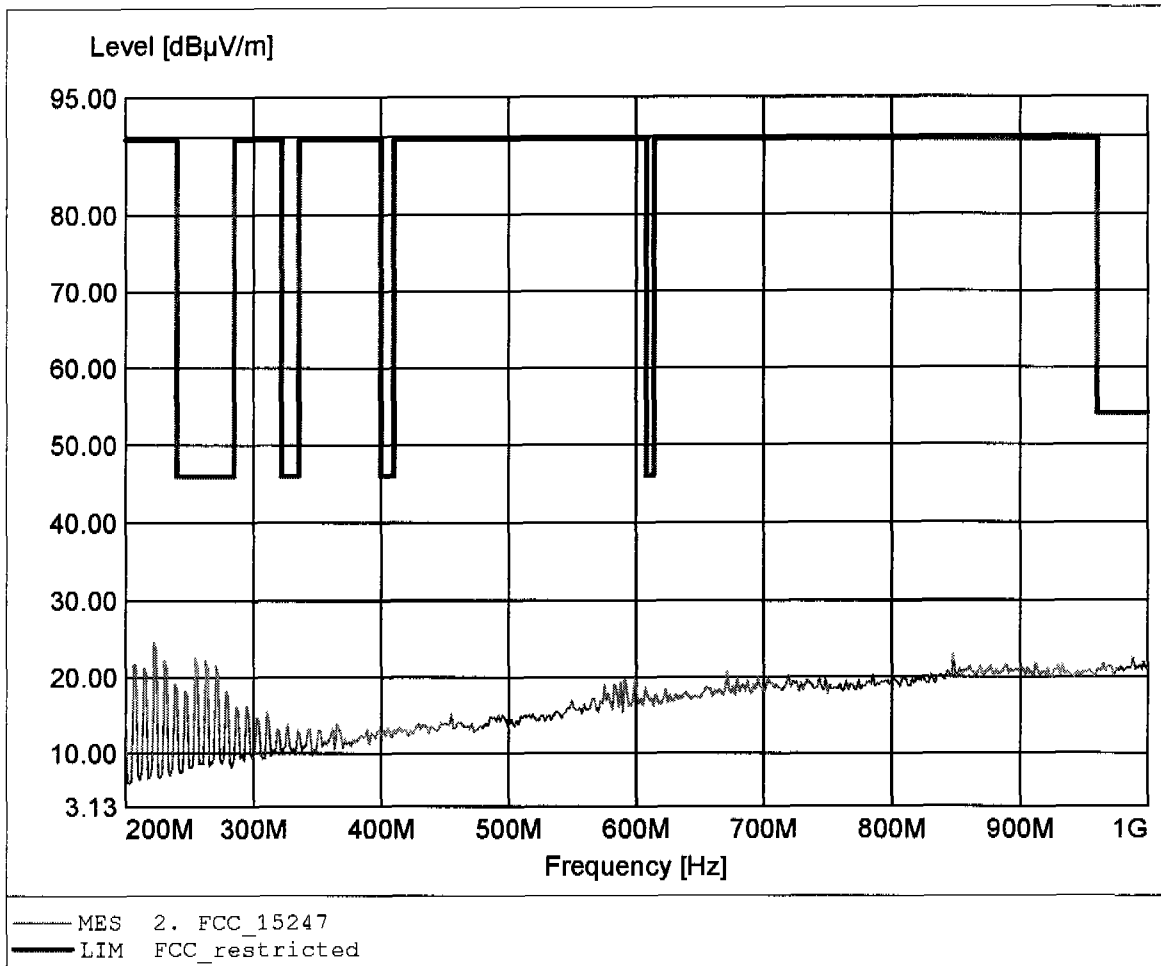
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 222.445MHz, Emax: 25.77dBµV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 222.445MHz, Emax: 24.47dBµV/m, RBW: 100kHz

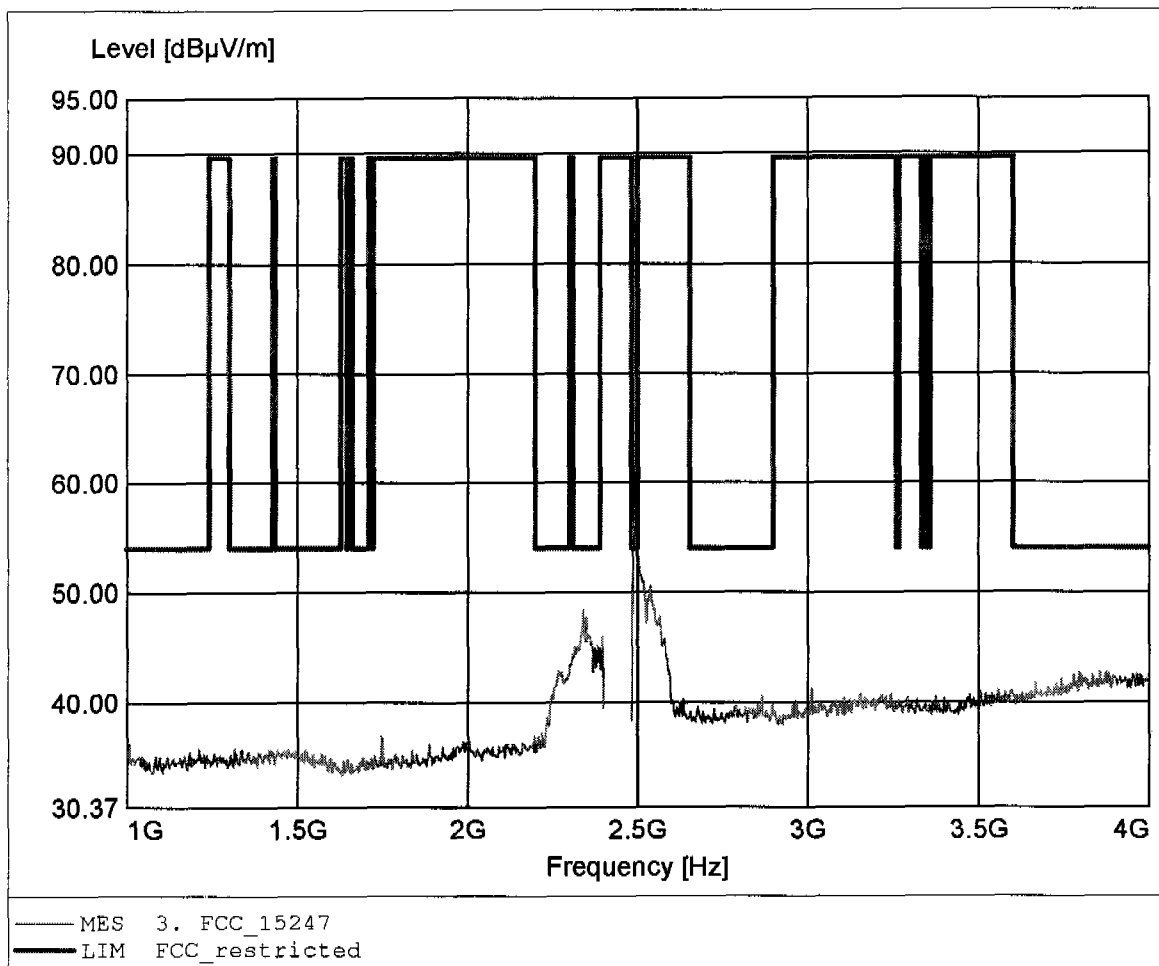




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

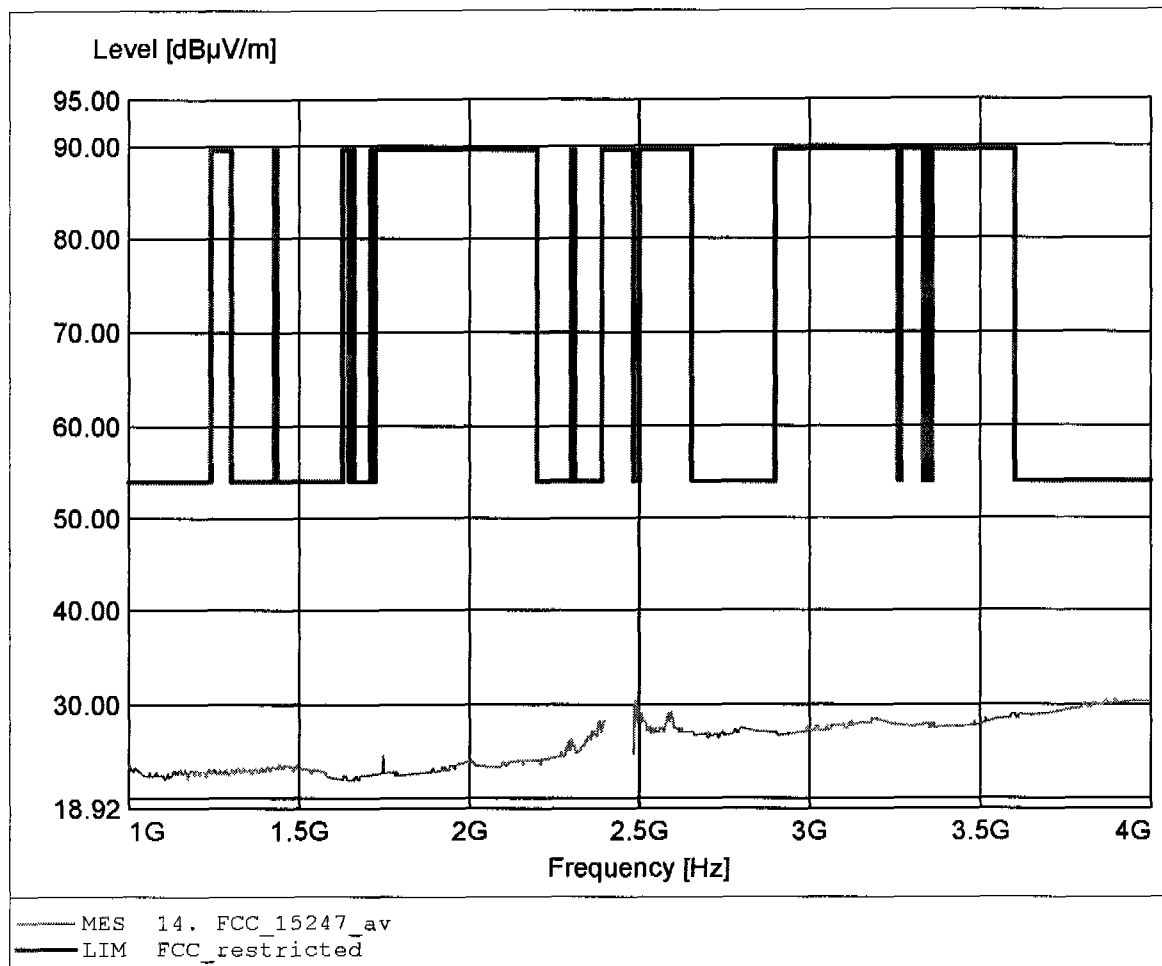
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.487GHz, Emax: 56.31dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

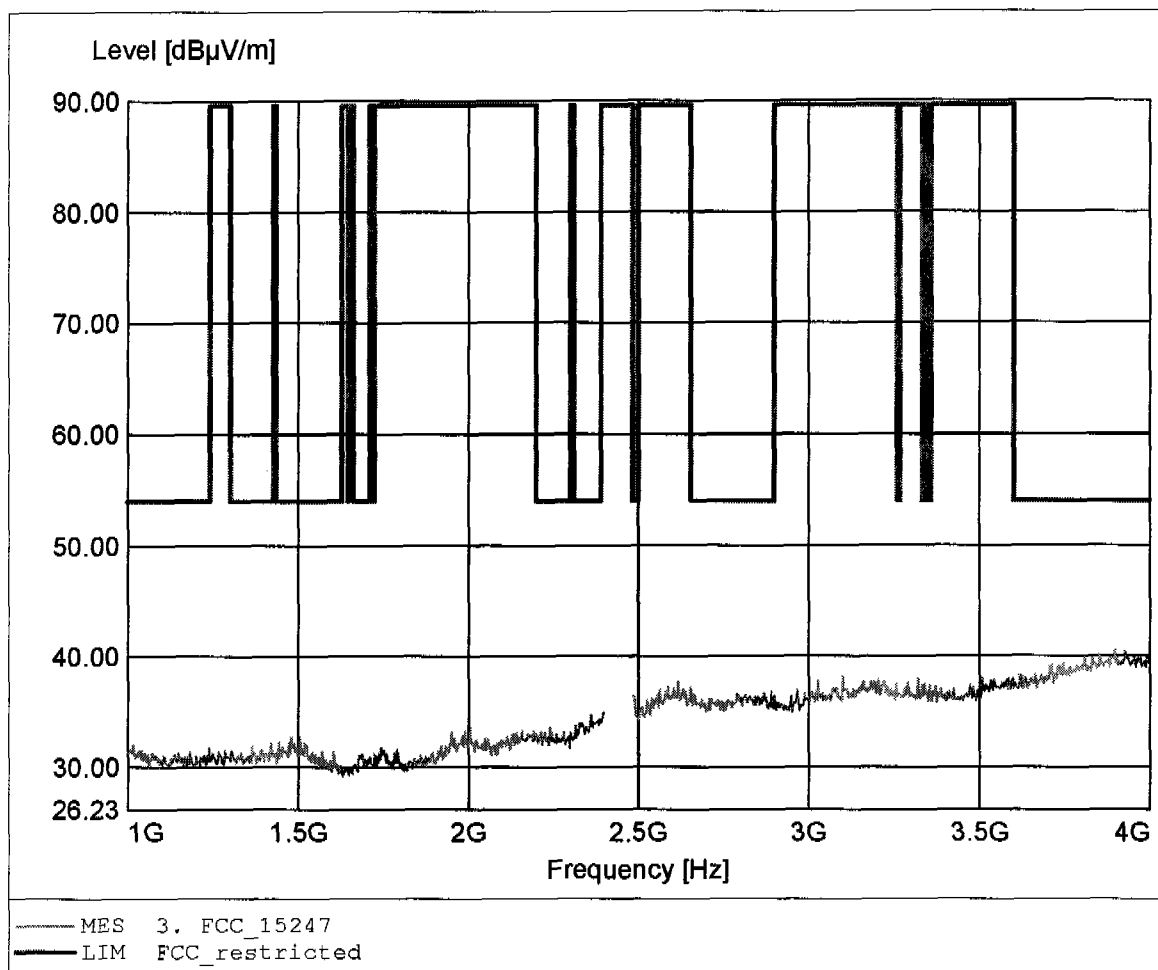
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 3.897GHz, Emax: 30.51dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

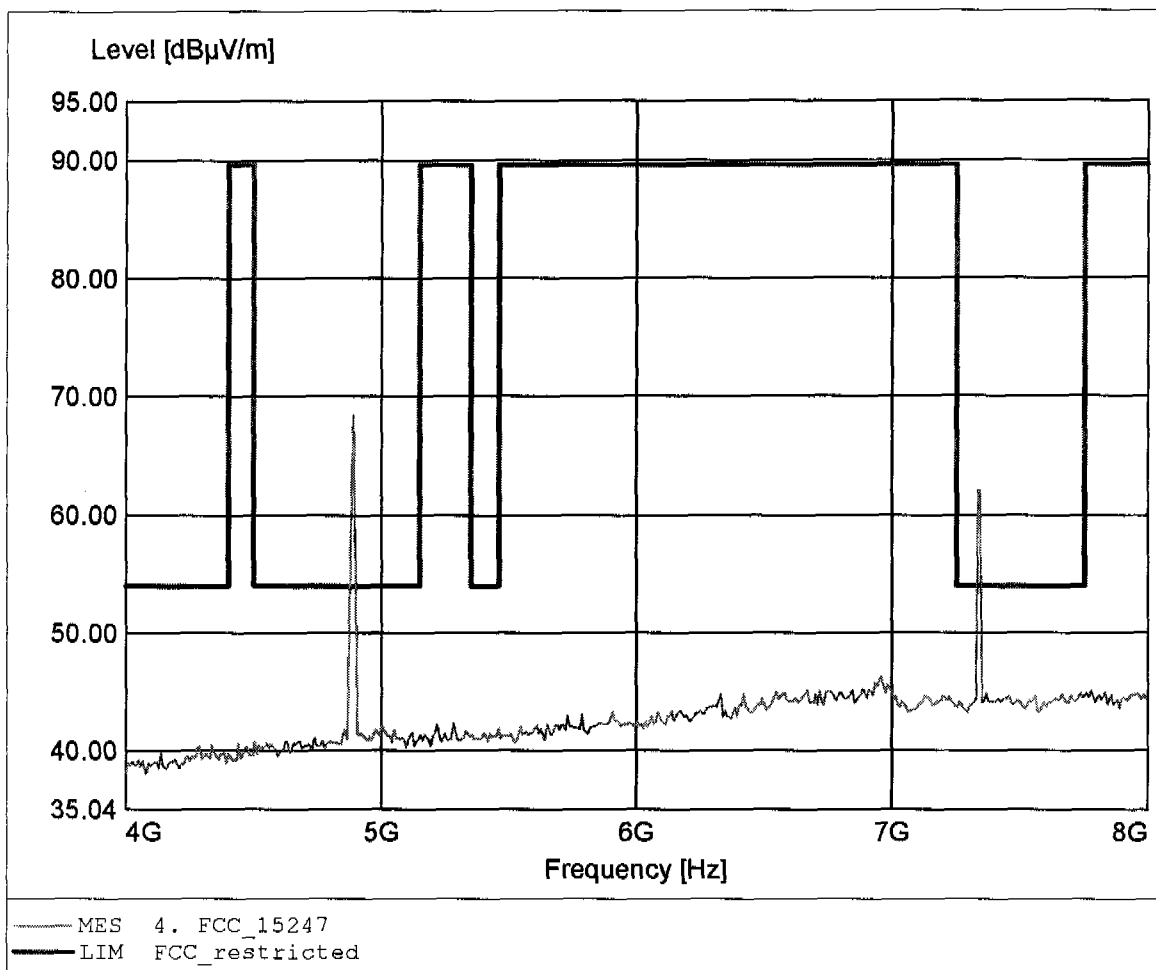
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 3.897GHz, Emax: 40.47dBuV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

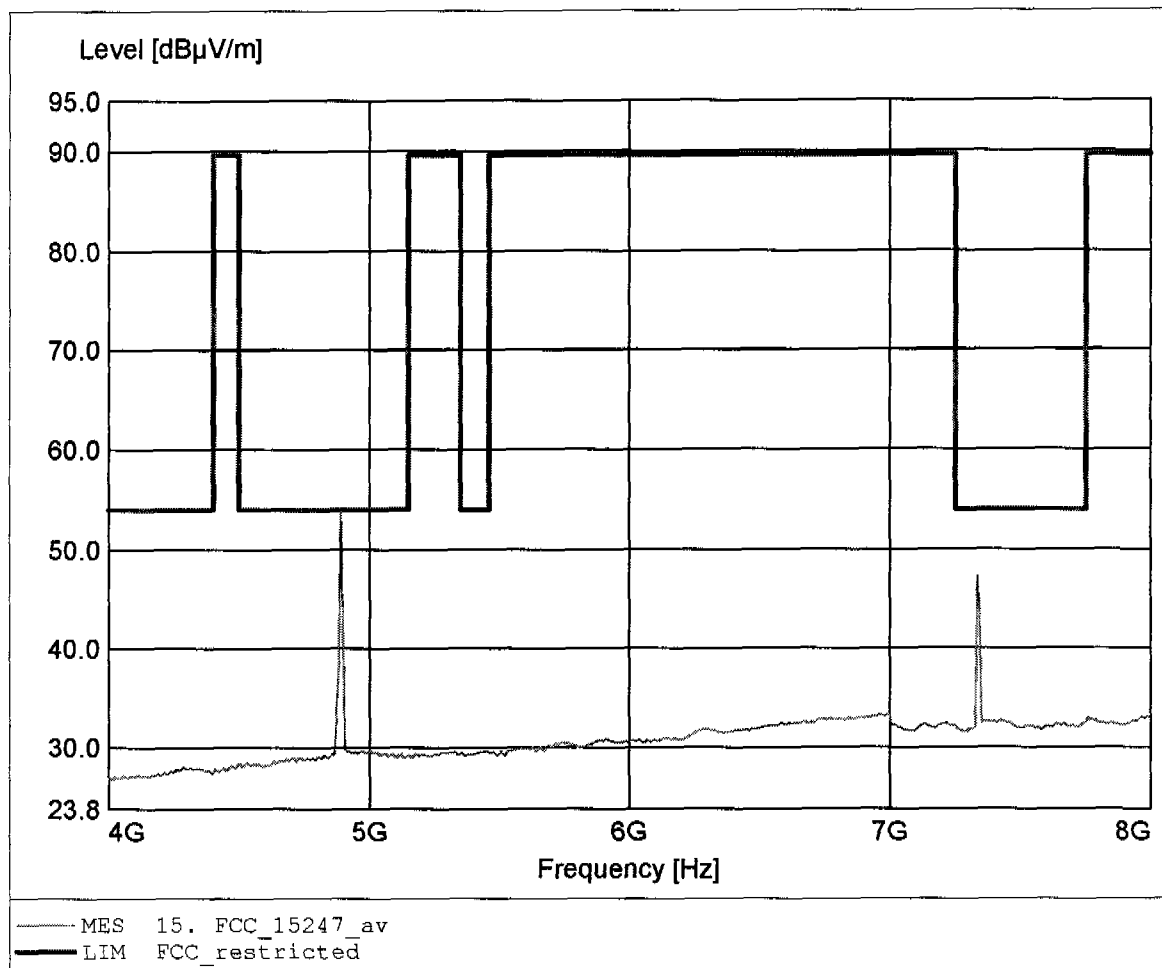
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.890GHz, Emax: 68.49dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

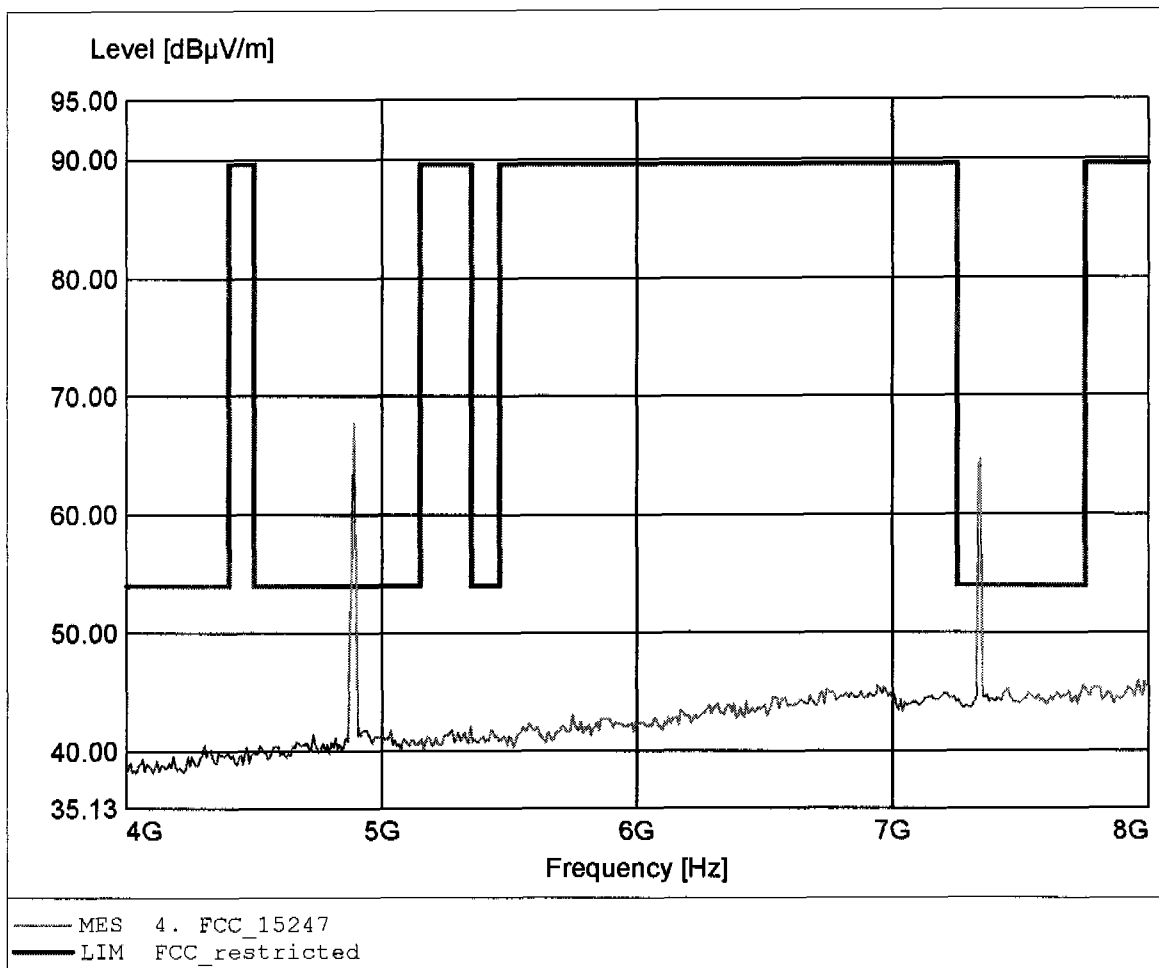
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.890GHz, Emax: 53.78dBμV/m, REW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

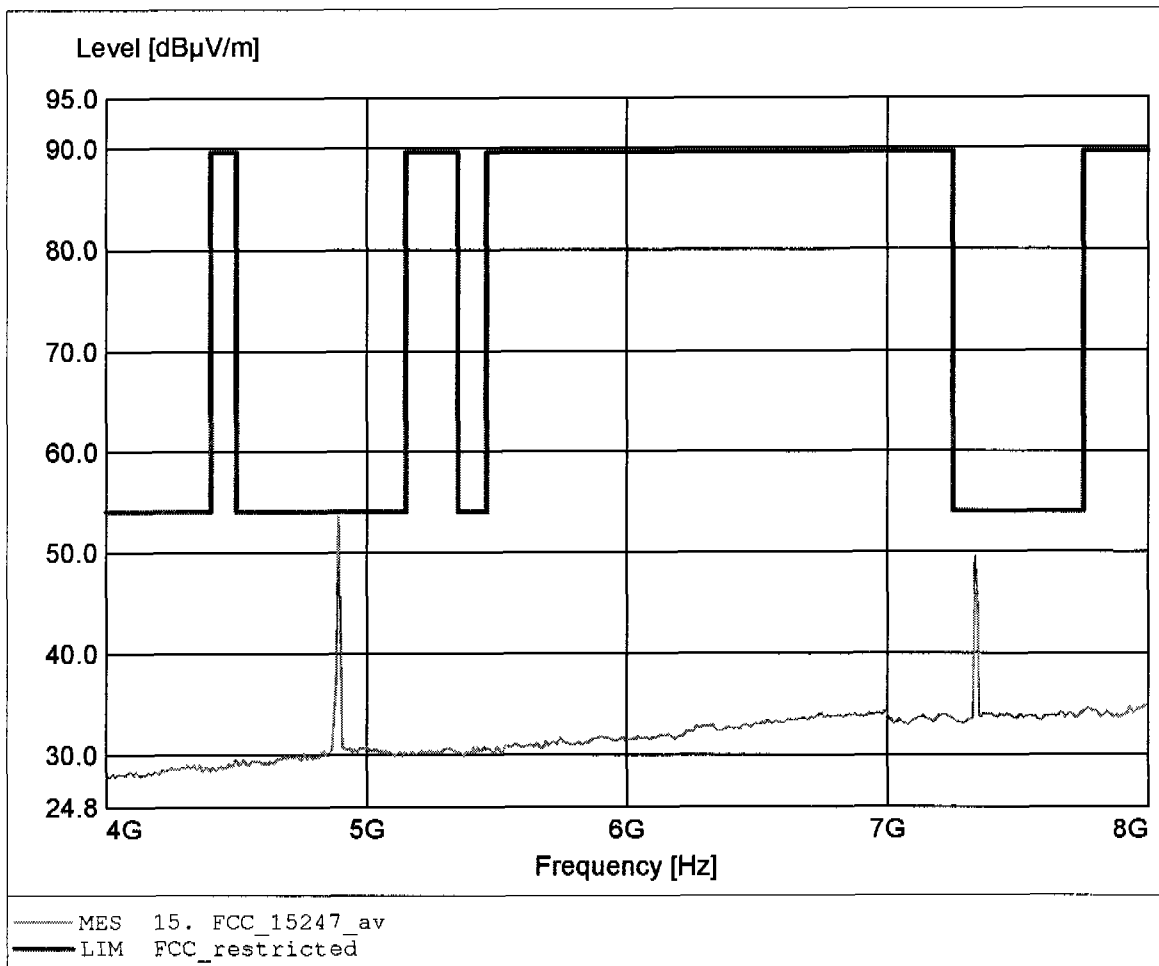
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.890GHz, Emax: 67.71dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

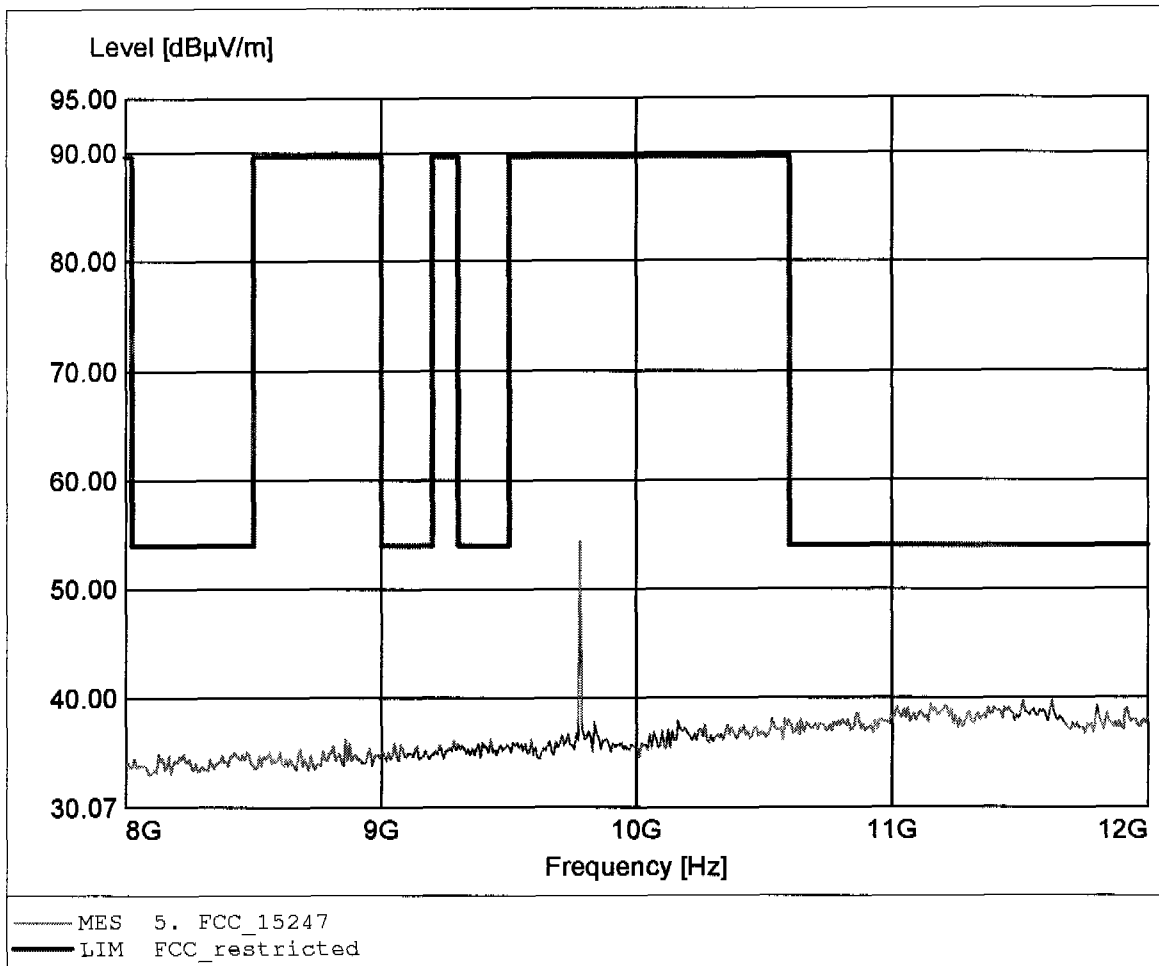
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.890GHz, Emax: 53.54dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.780GHz, Emax: 54.36dBμV/m, RBW: 1MHz

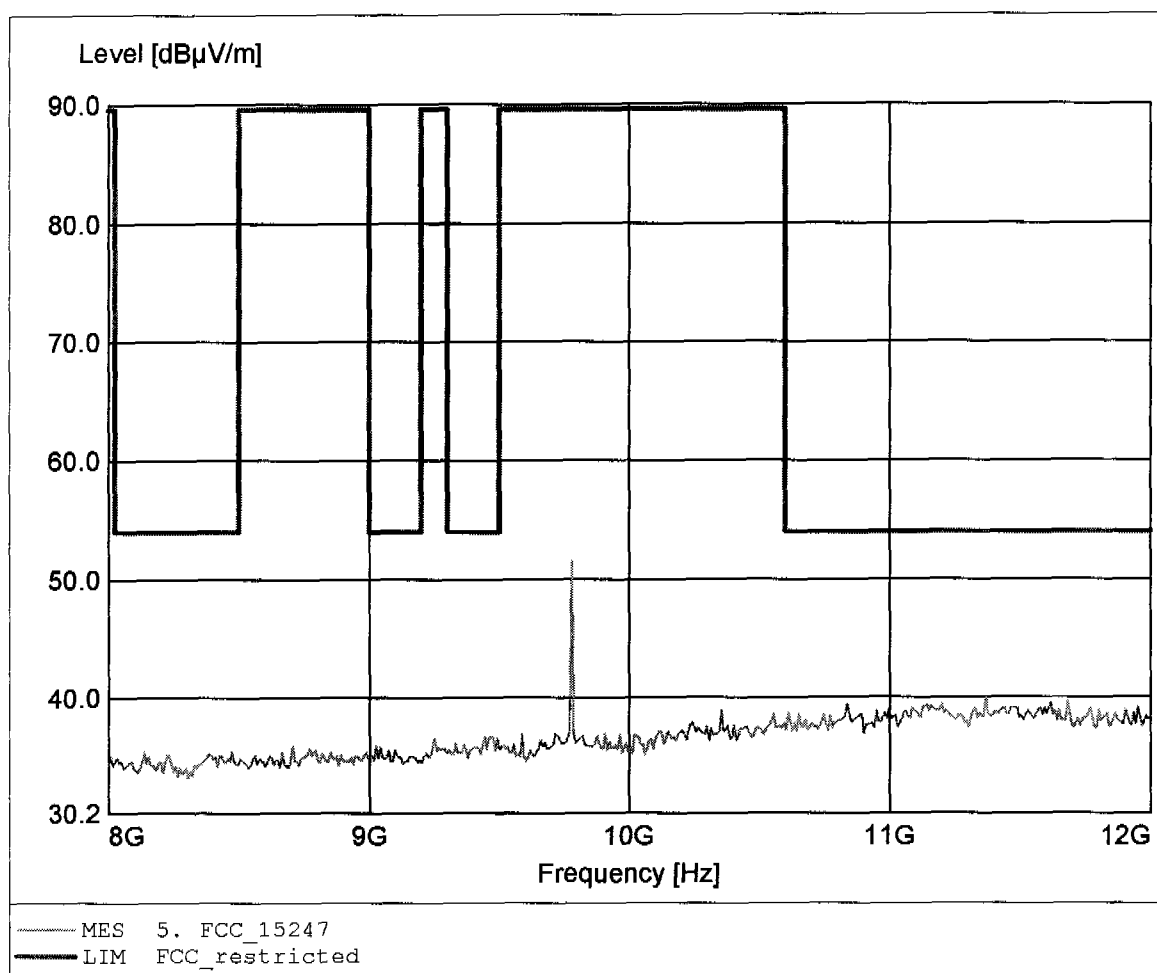




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

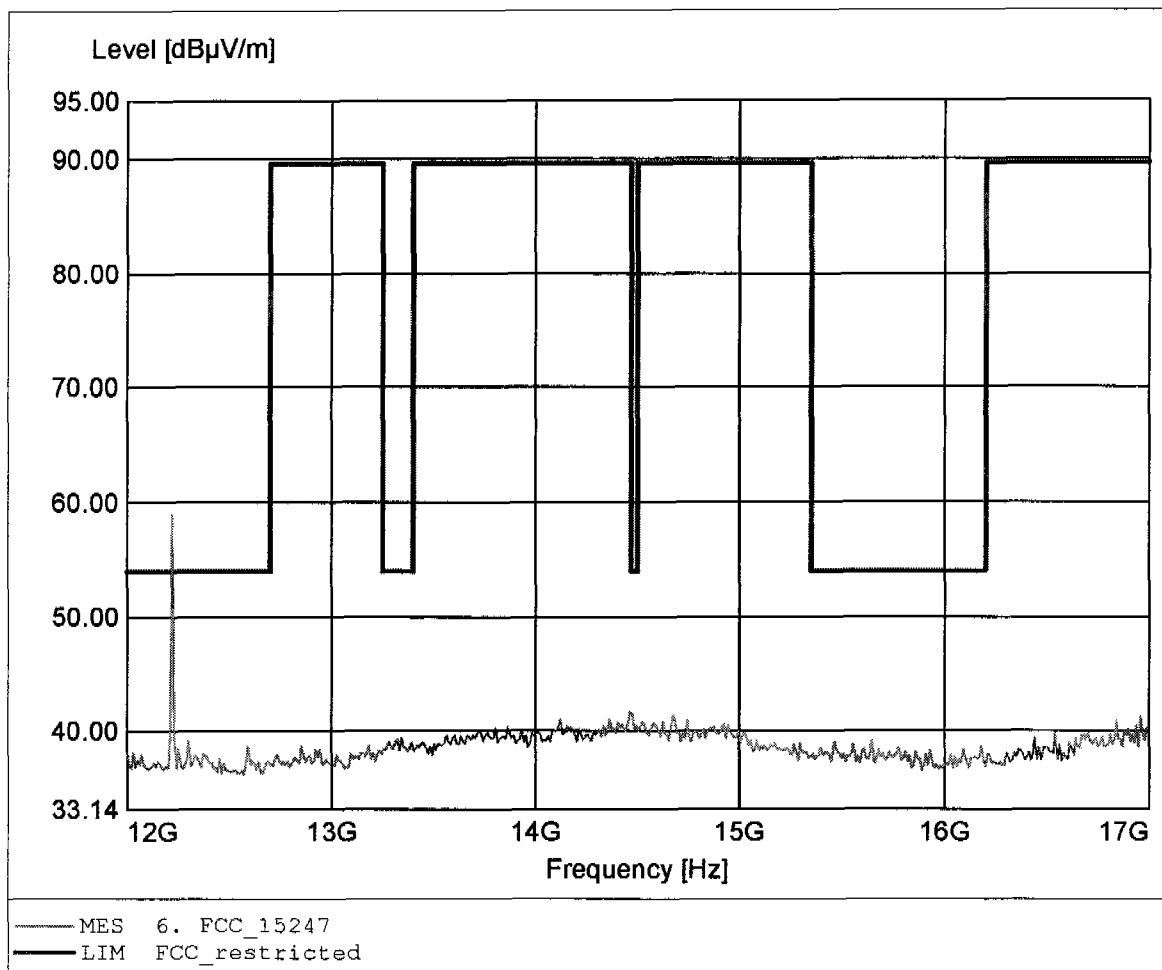
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.780GHz, Emax: 51.50dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

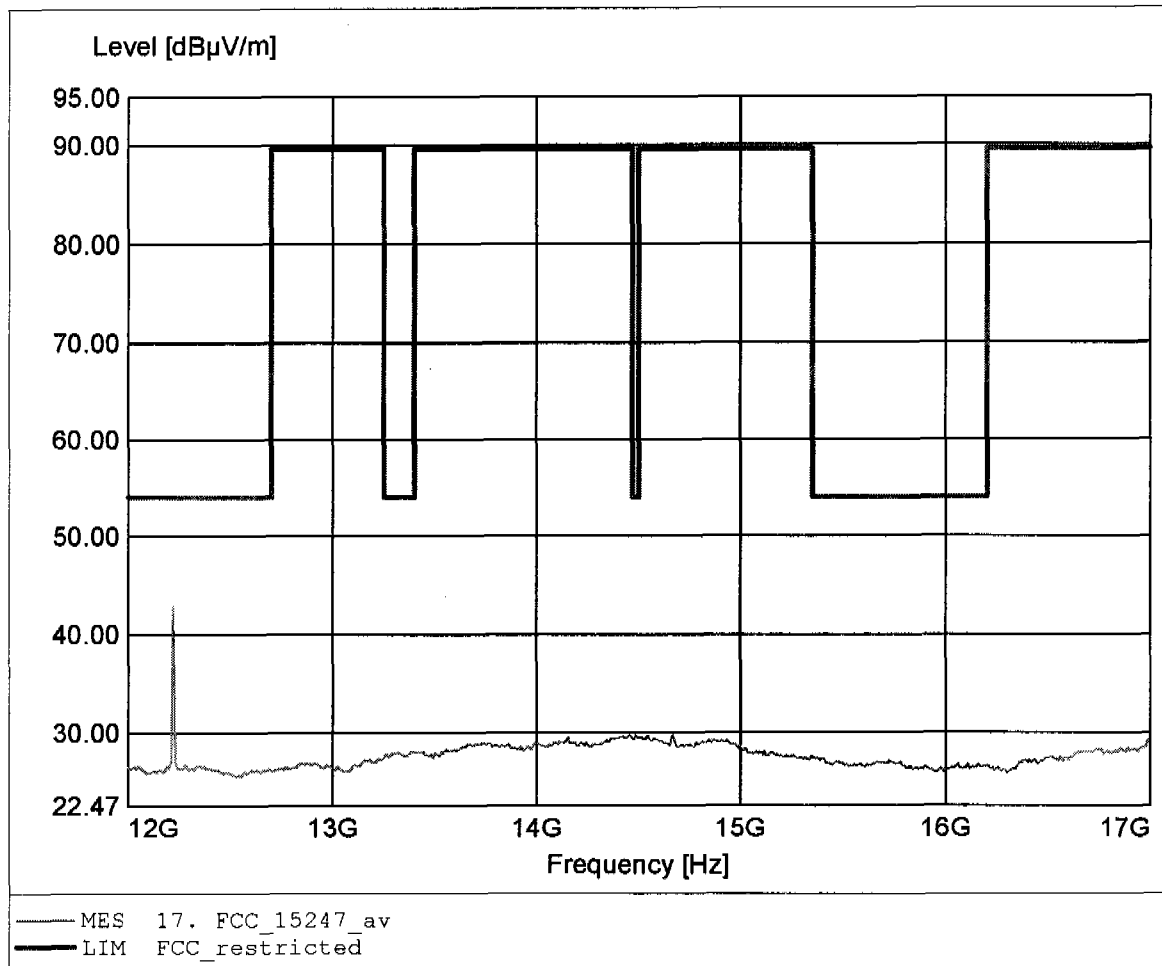
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.220GHz, Emax: 58.98dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

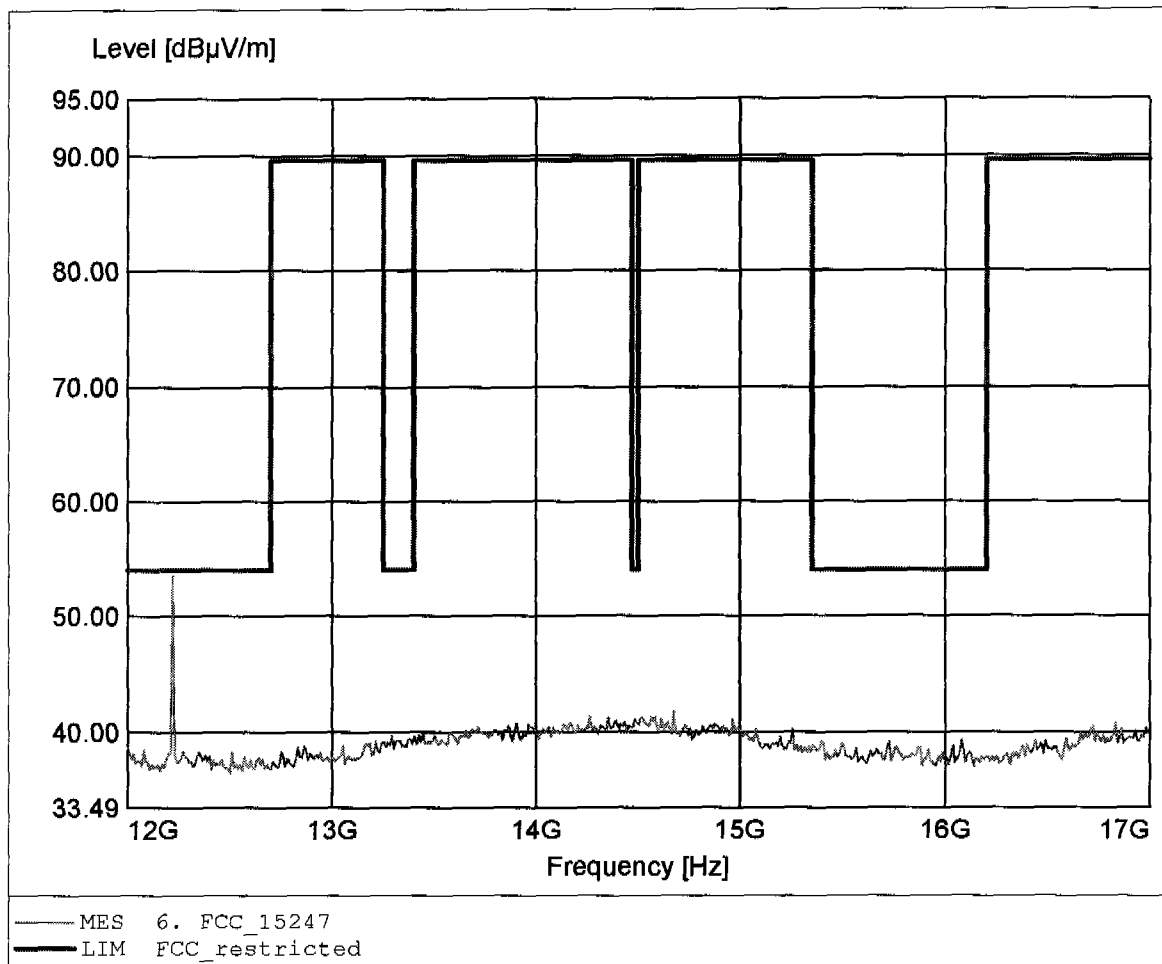
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.220GHz, Emax: 42.86dBuV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

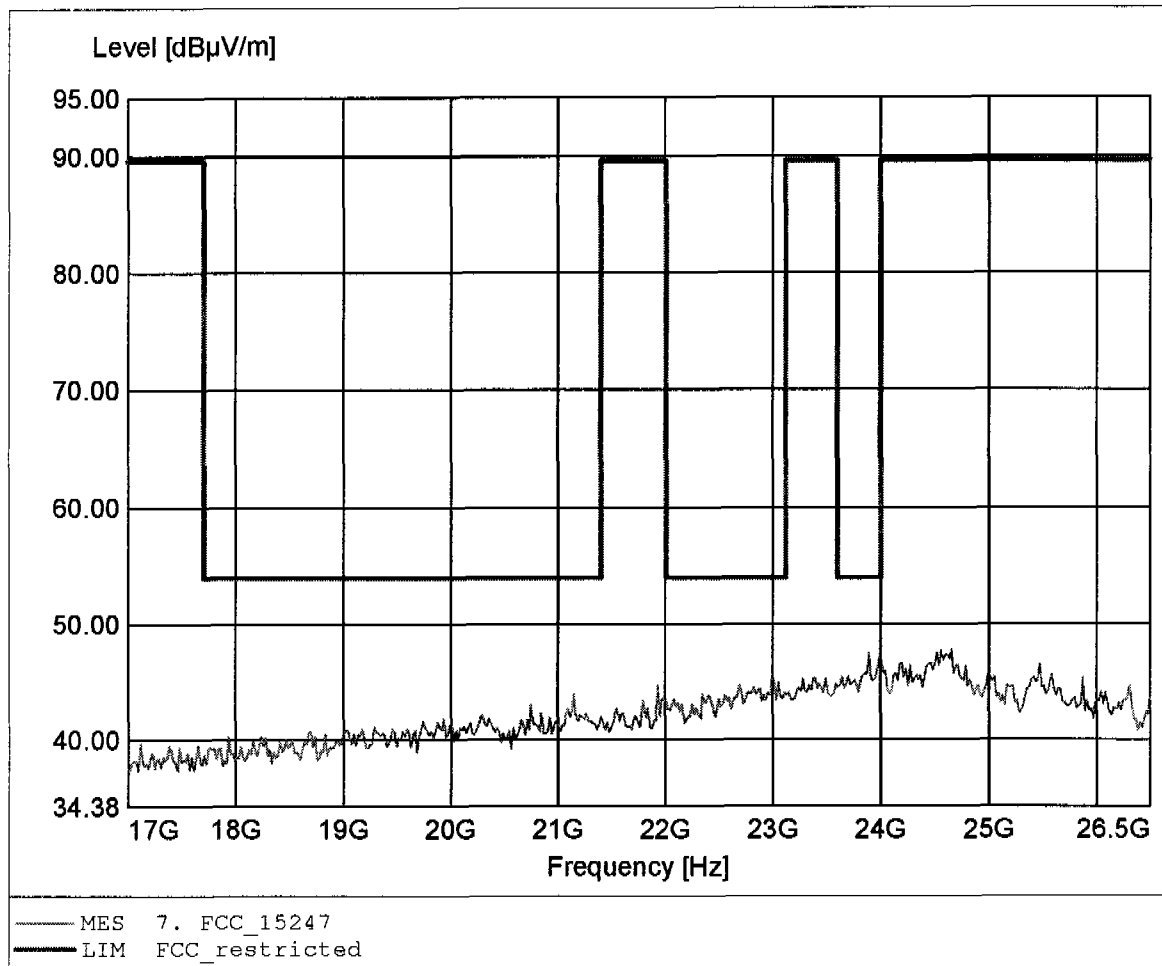
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.220GHz, Emax: 53.51dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

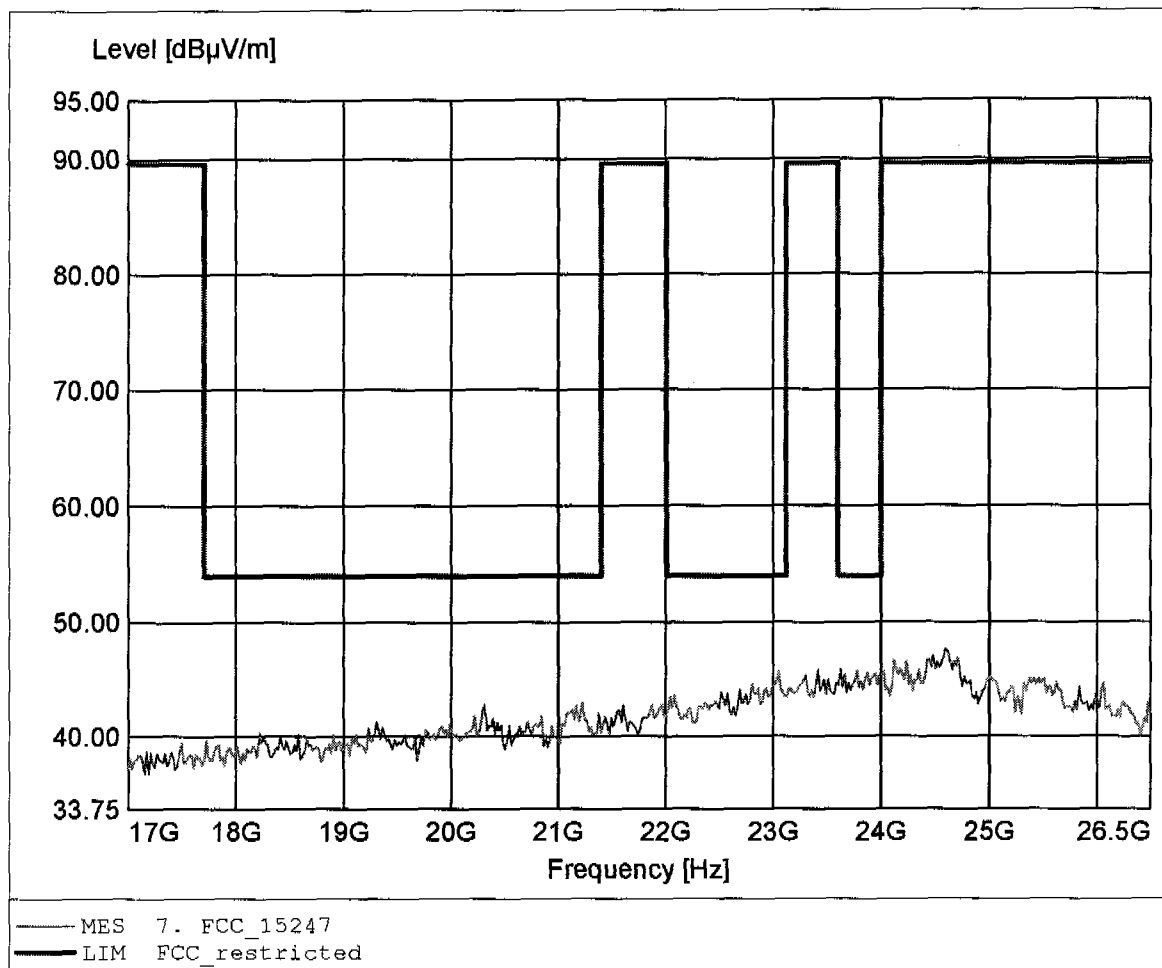
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.653GHz, Emax: 47.81dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

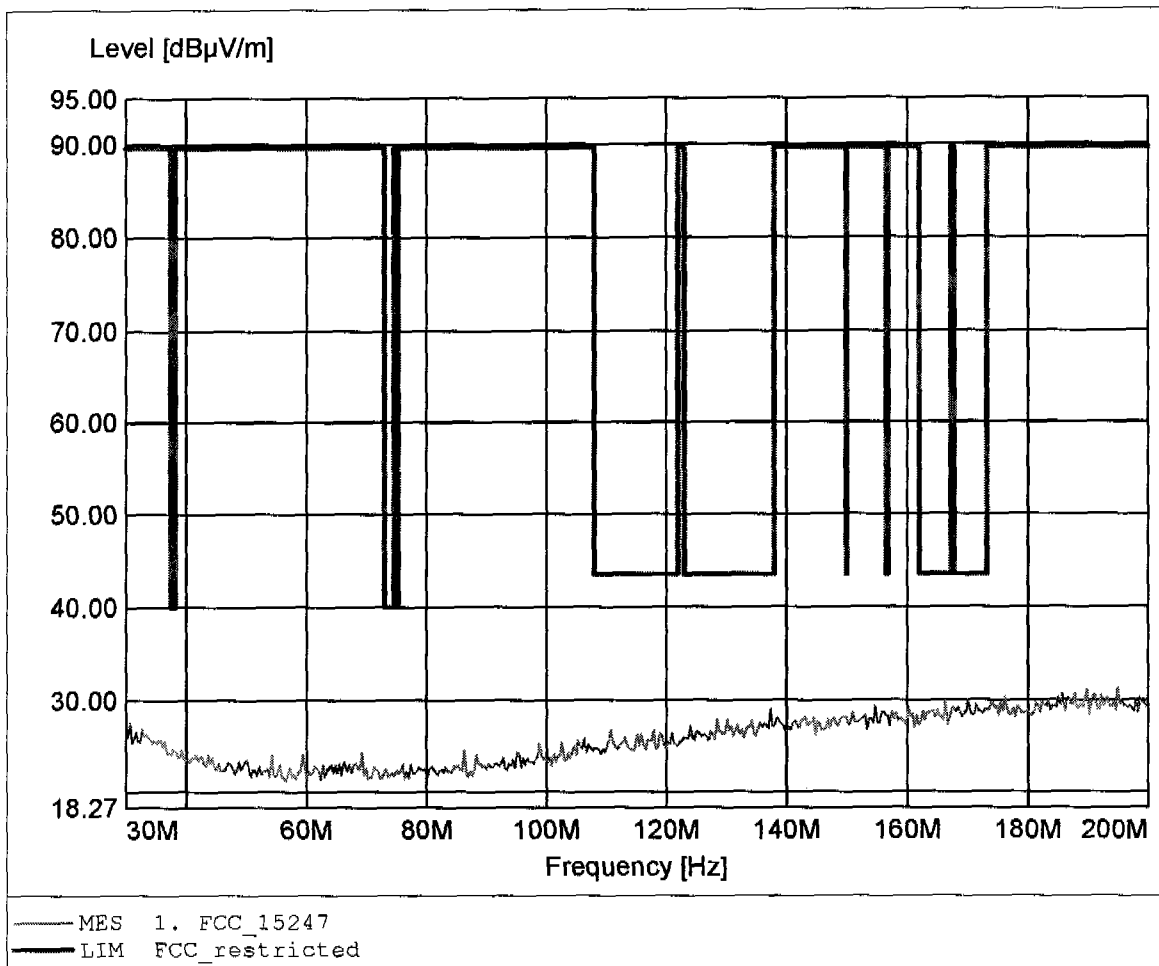
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.596GHz, Emax: 47.65dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

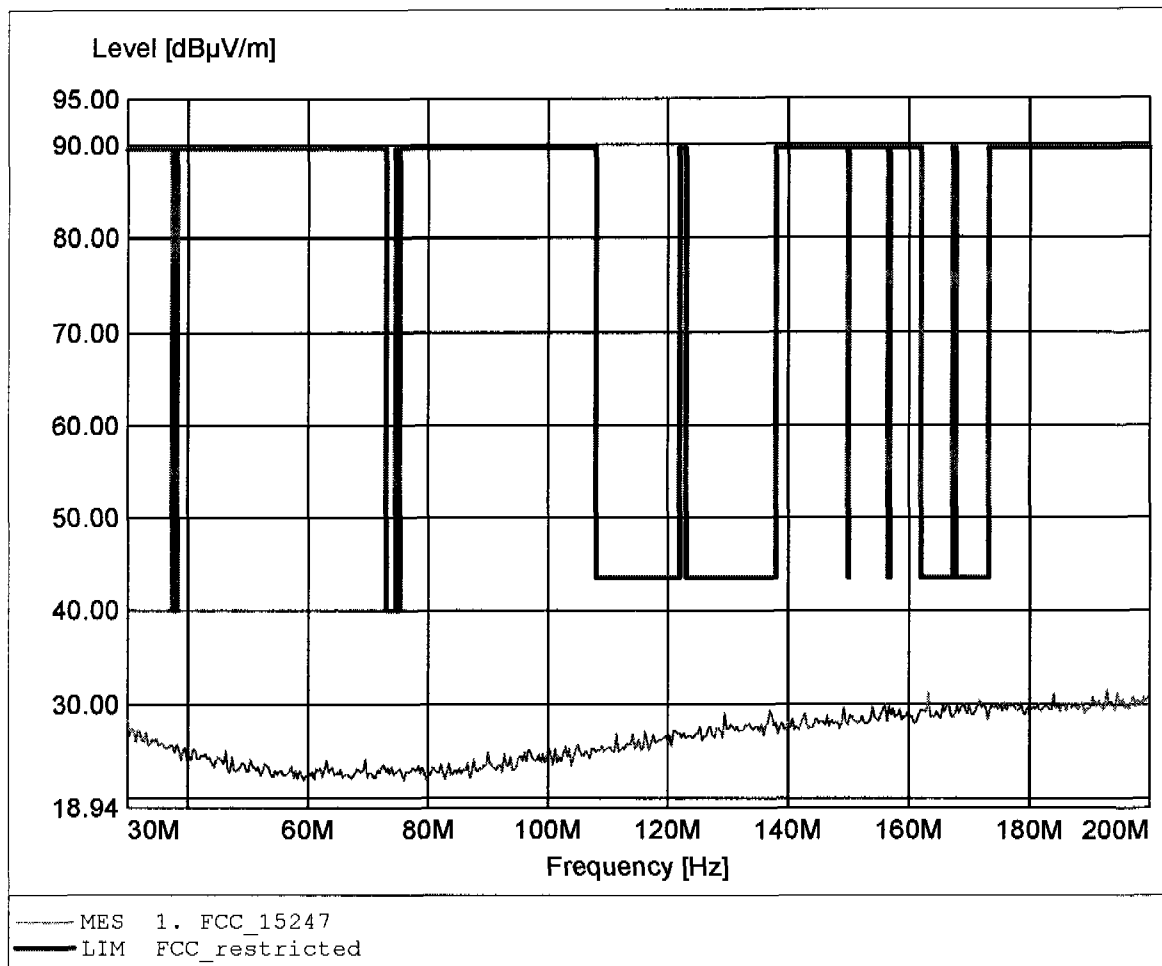
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 194.890MHz, Emax: 31.27dBµV/m, RBW: 100kHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq: 192.846MHz, Emax: 31.53dBµV/m, RBW: 100kHz

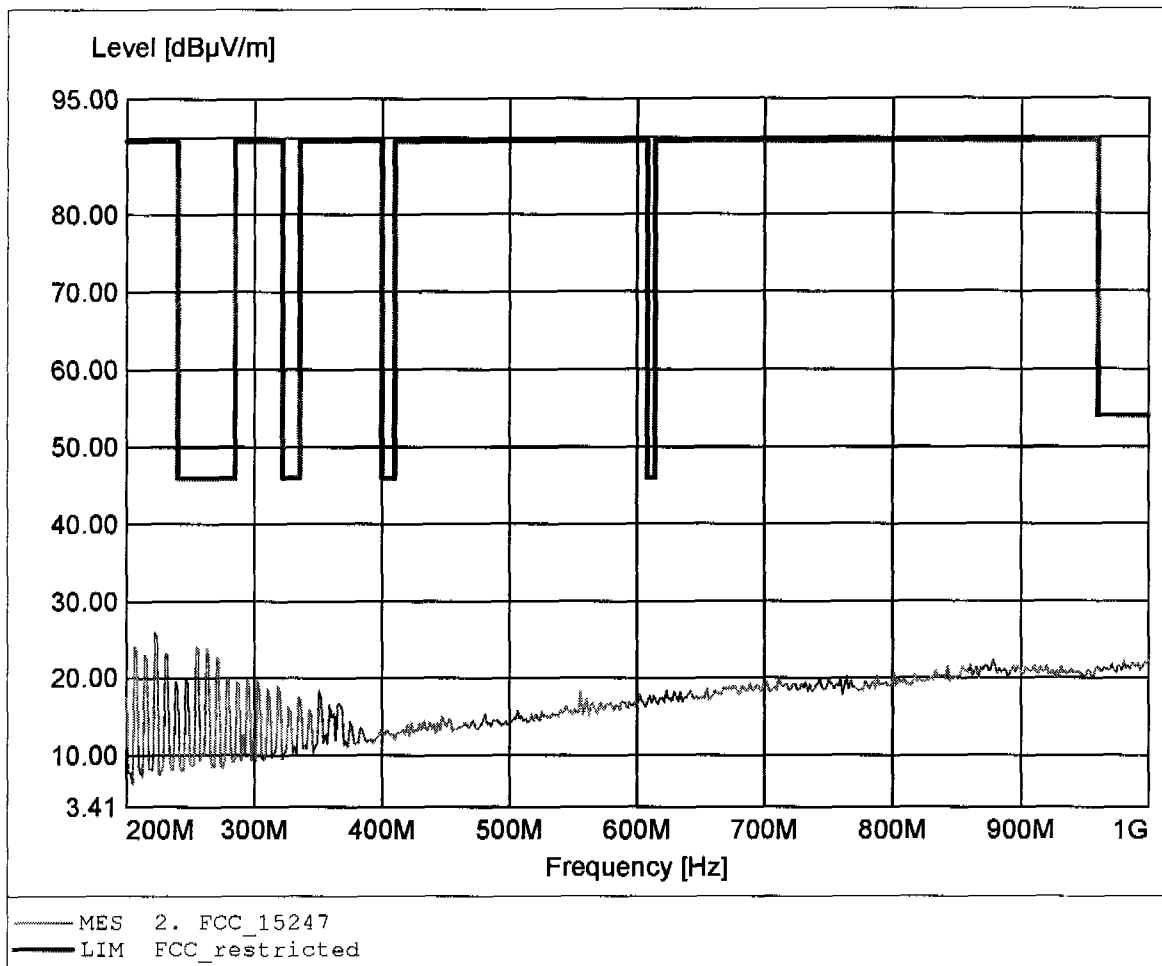




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

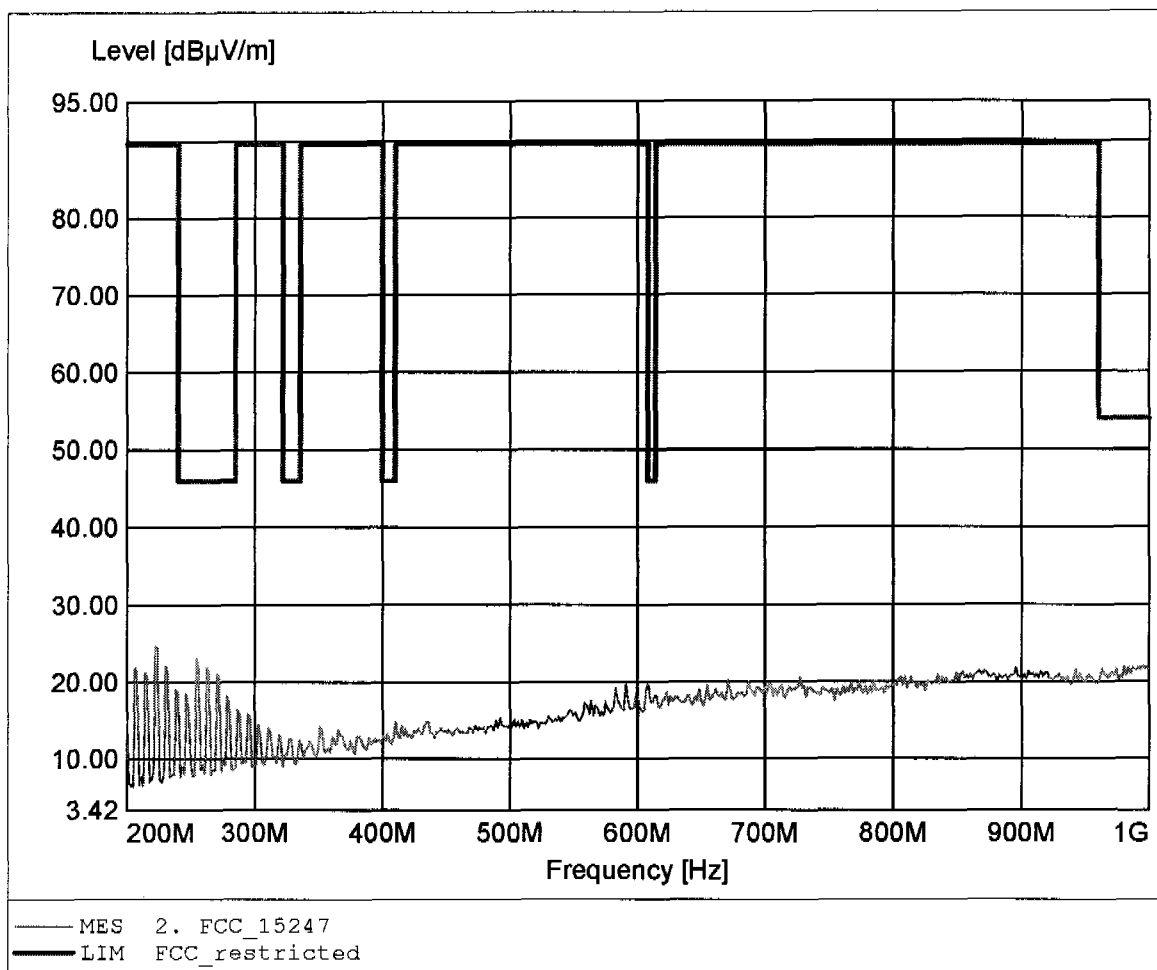
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 222.445MHz, Emax: 25.94dBµV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

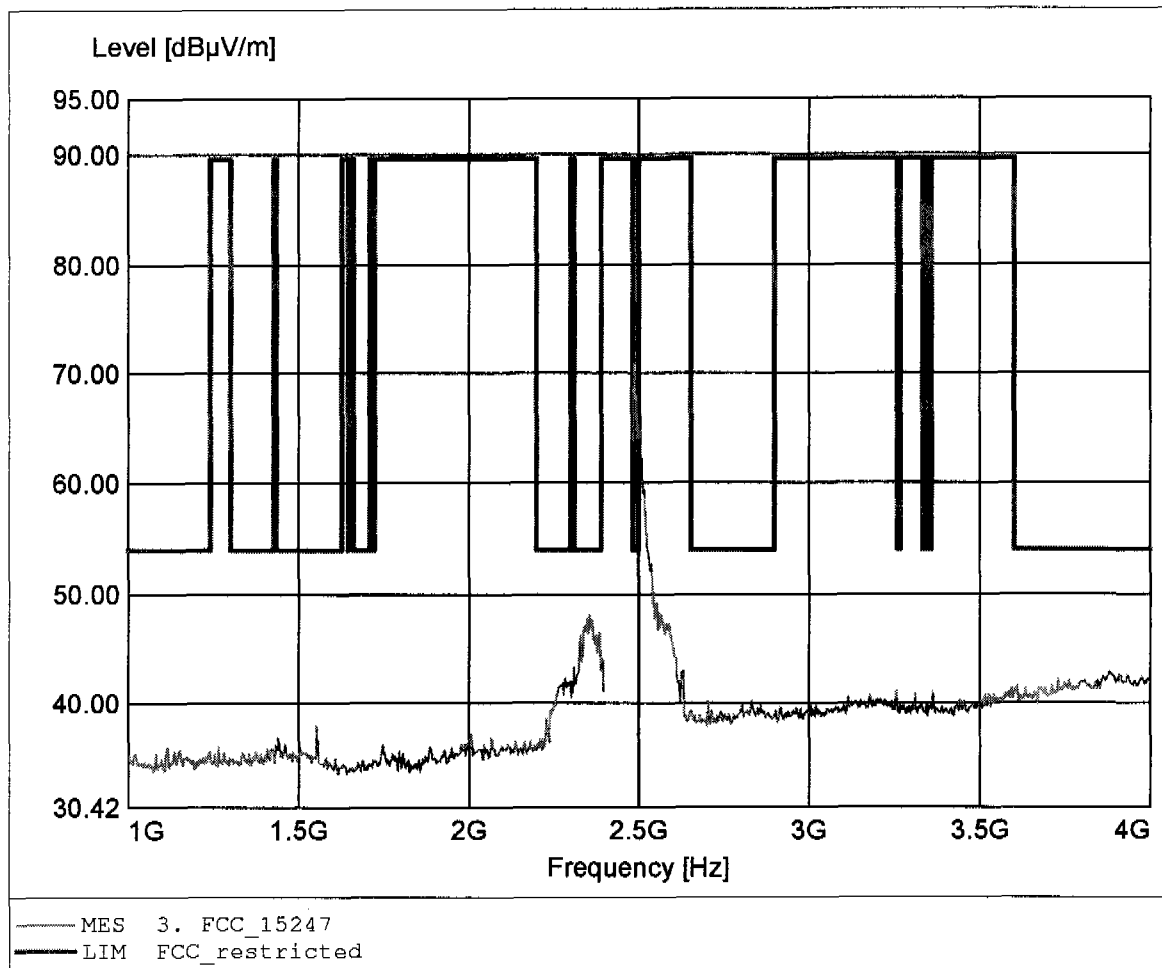
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247  
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.  
Comment 2: Freq: 222.445MHz, Emax: 24.60dBµV/m, RBW: 100kHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

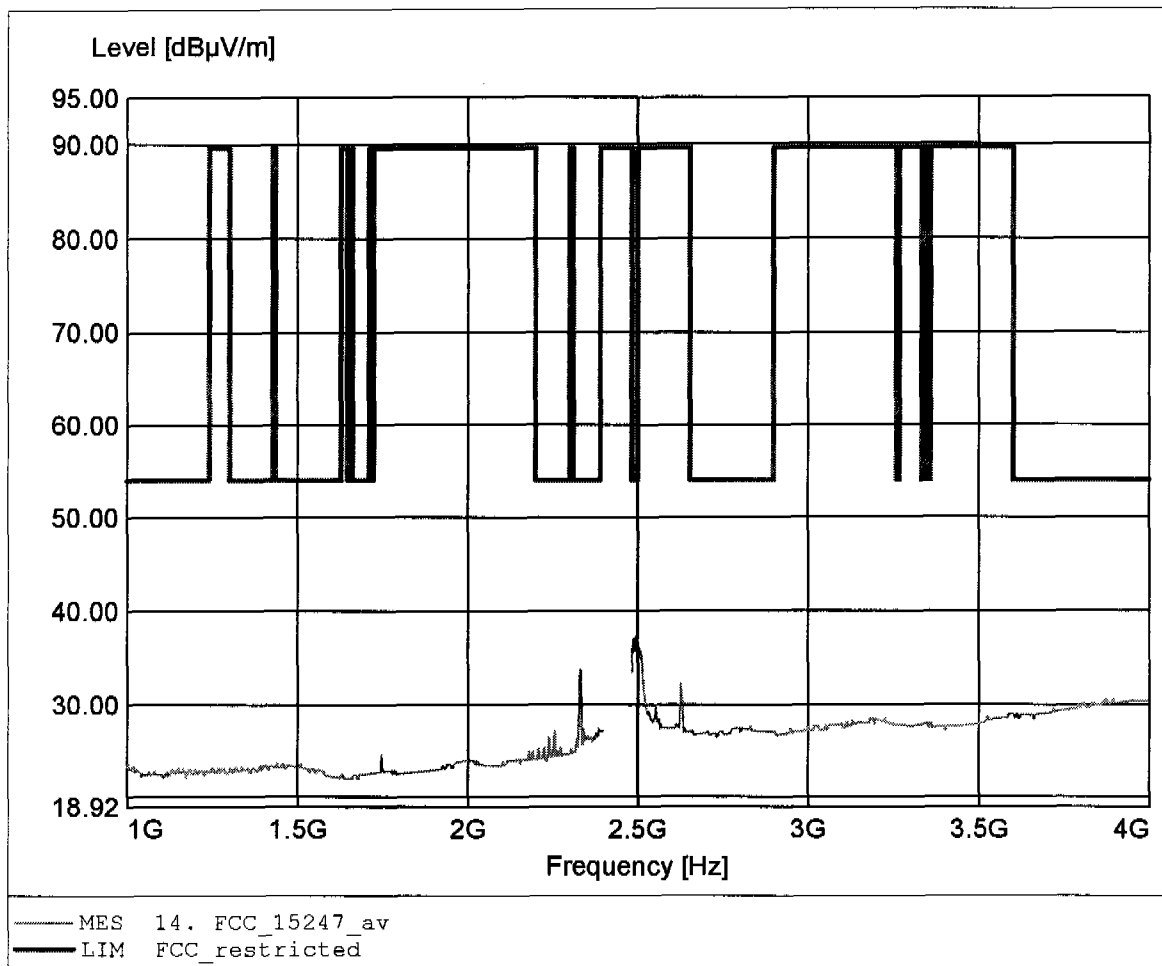
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.487GHz, Emax: 71.02dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

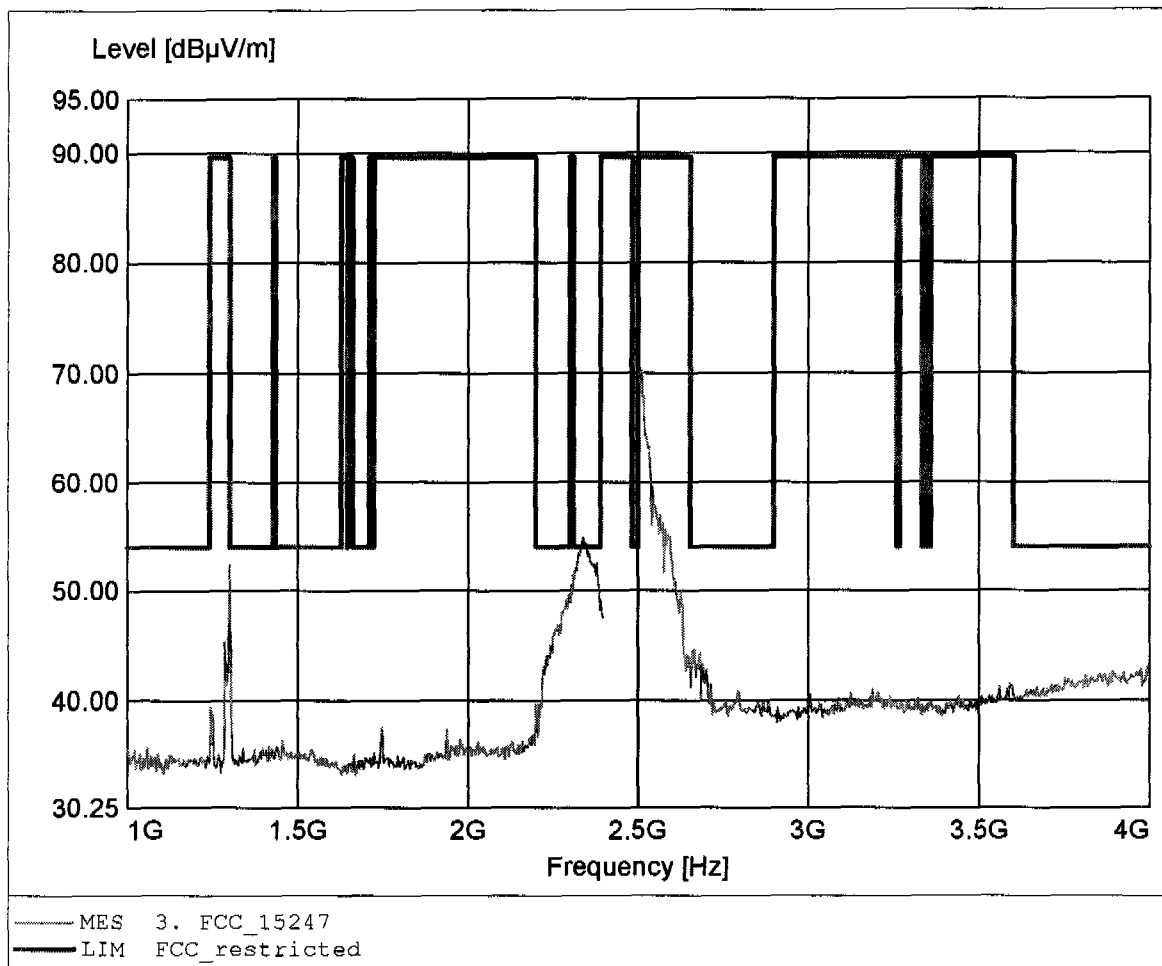
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.499GHz, Emax: 37.44dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

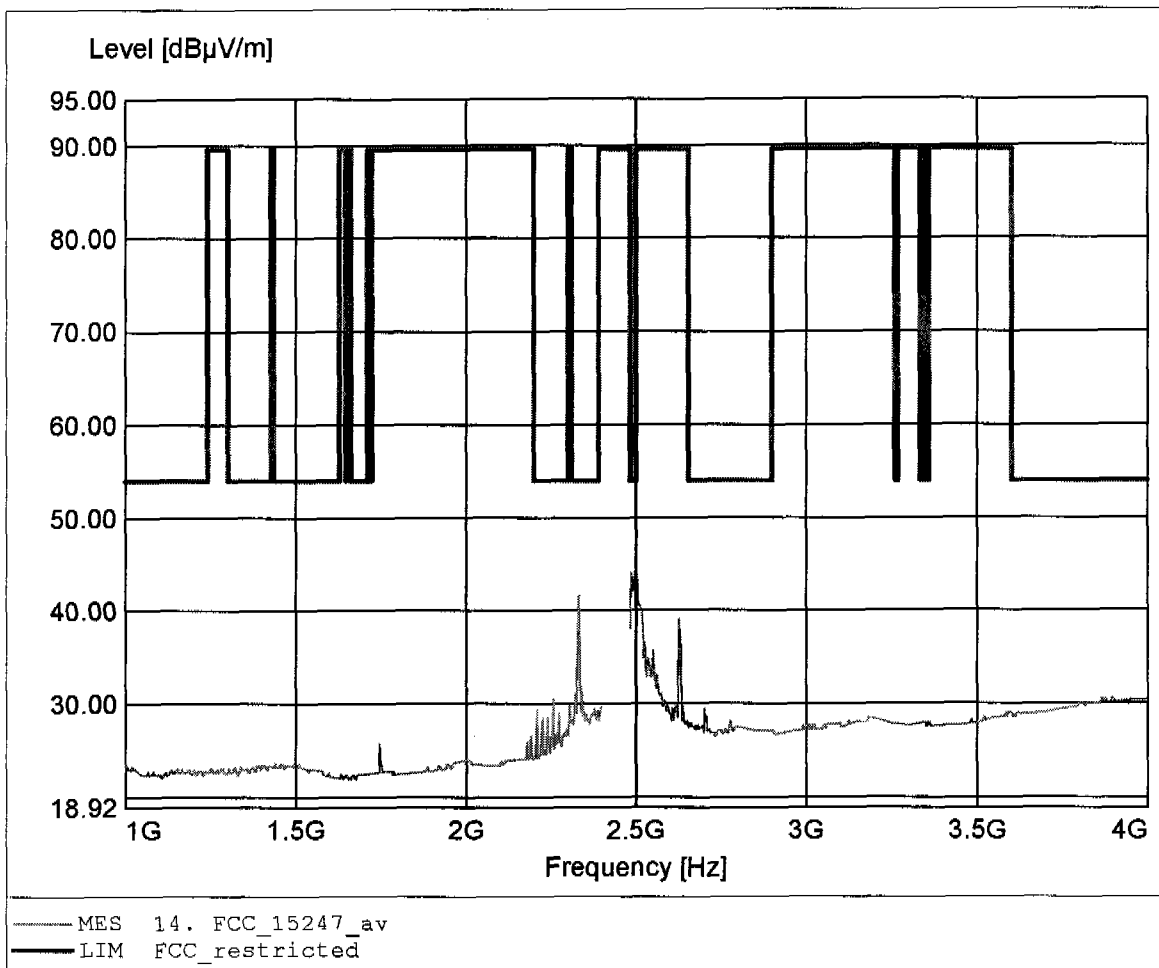
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.486GHz, Emax: 72.24dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

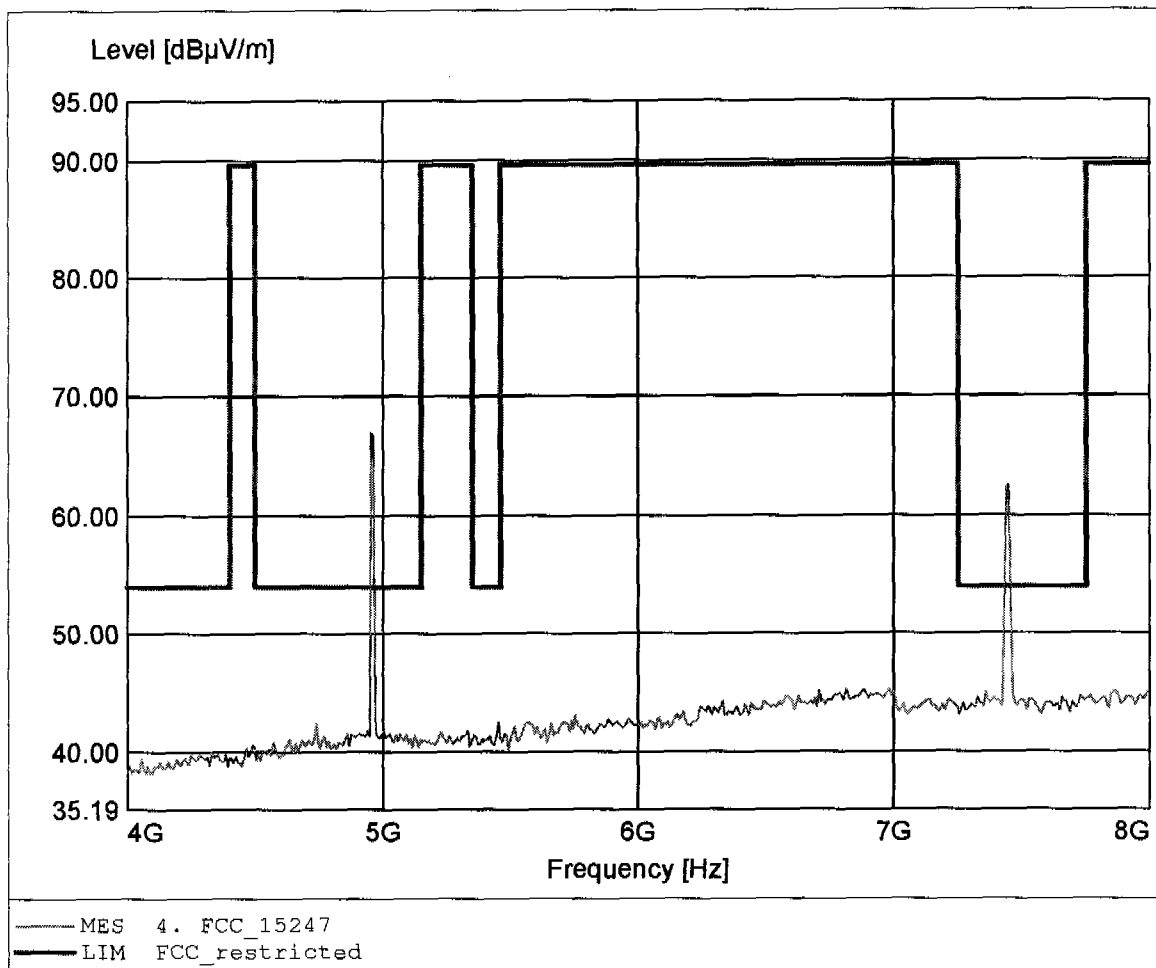
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model : VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.  
Comment 2: Freq: 2.499GHz, Emax: 44.27dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

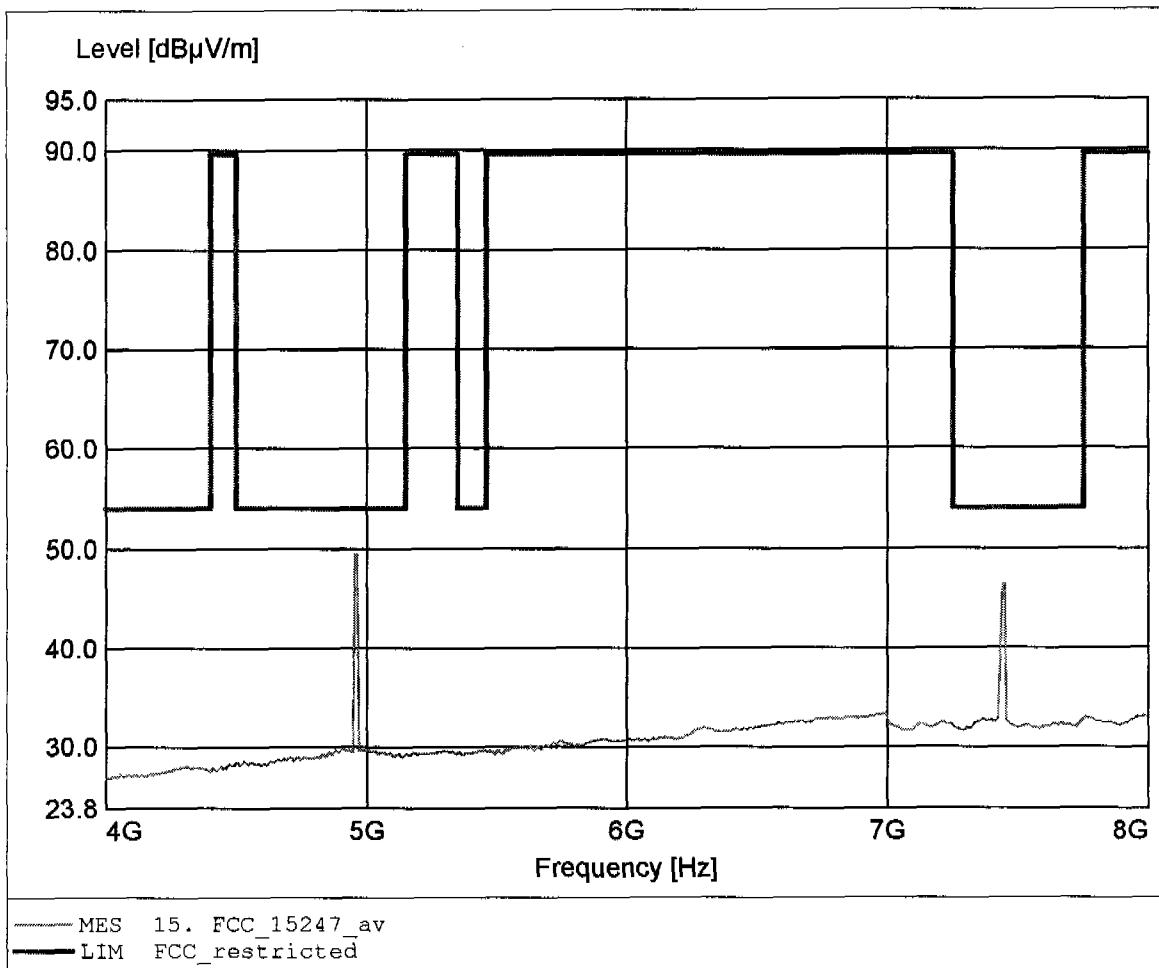
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.954GHz, Emax: 66.95dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.954GHz, Emax: 49.48dBμV/m, RBW: 1MHz

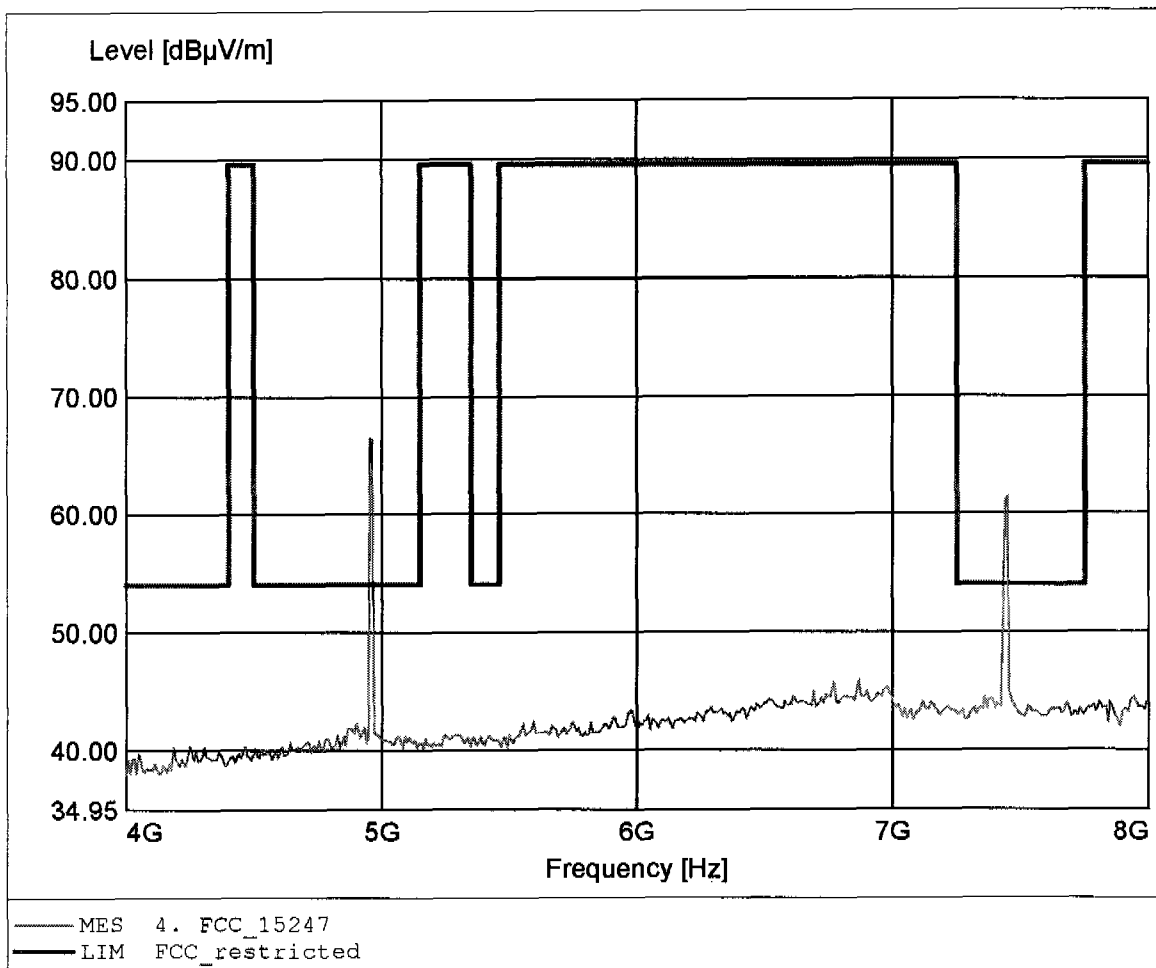




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

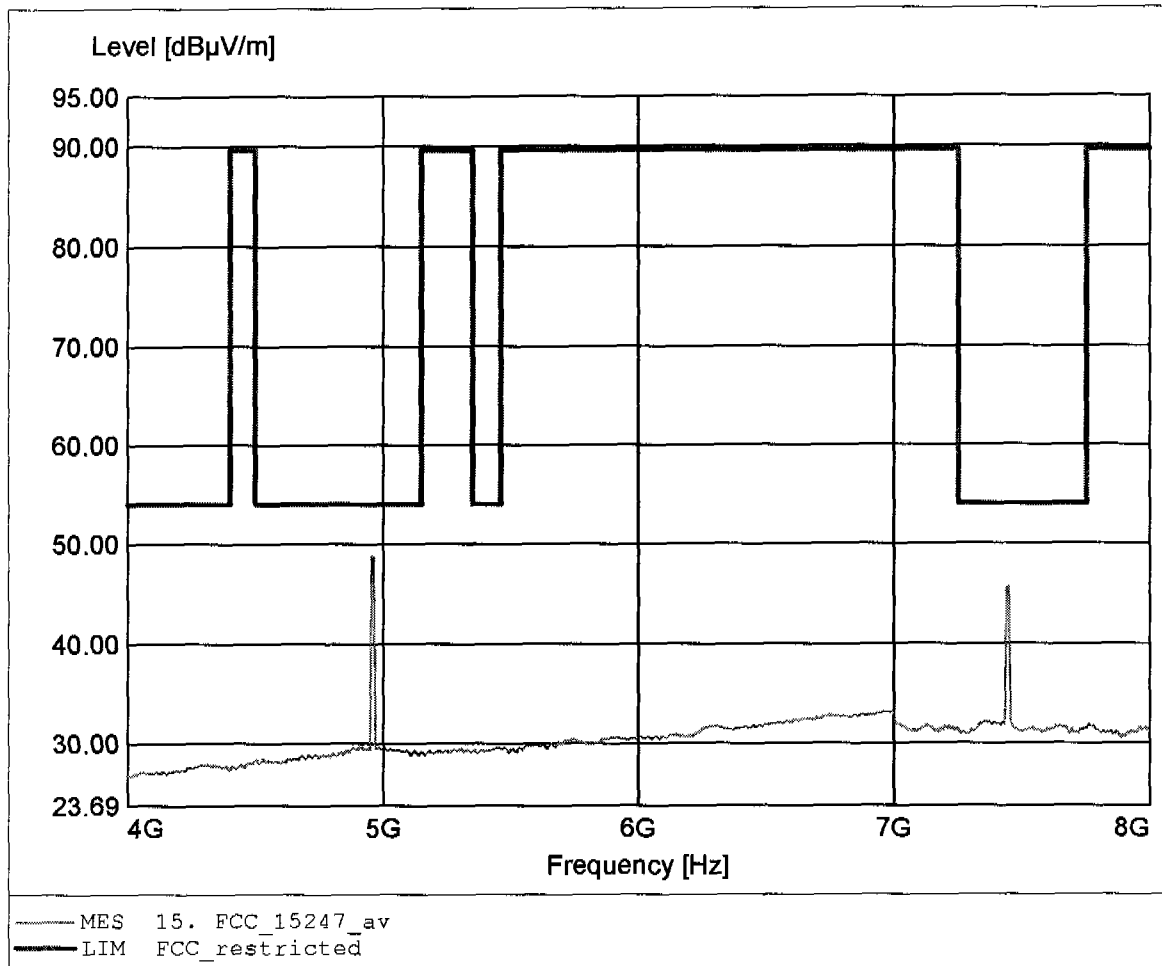
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.954GHz, Emax: 66.48dBuV/m, REW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

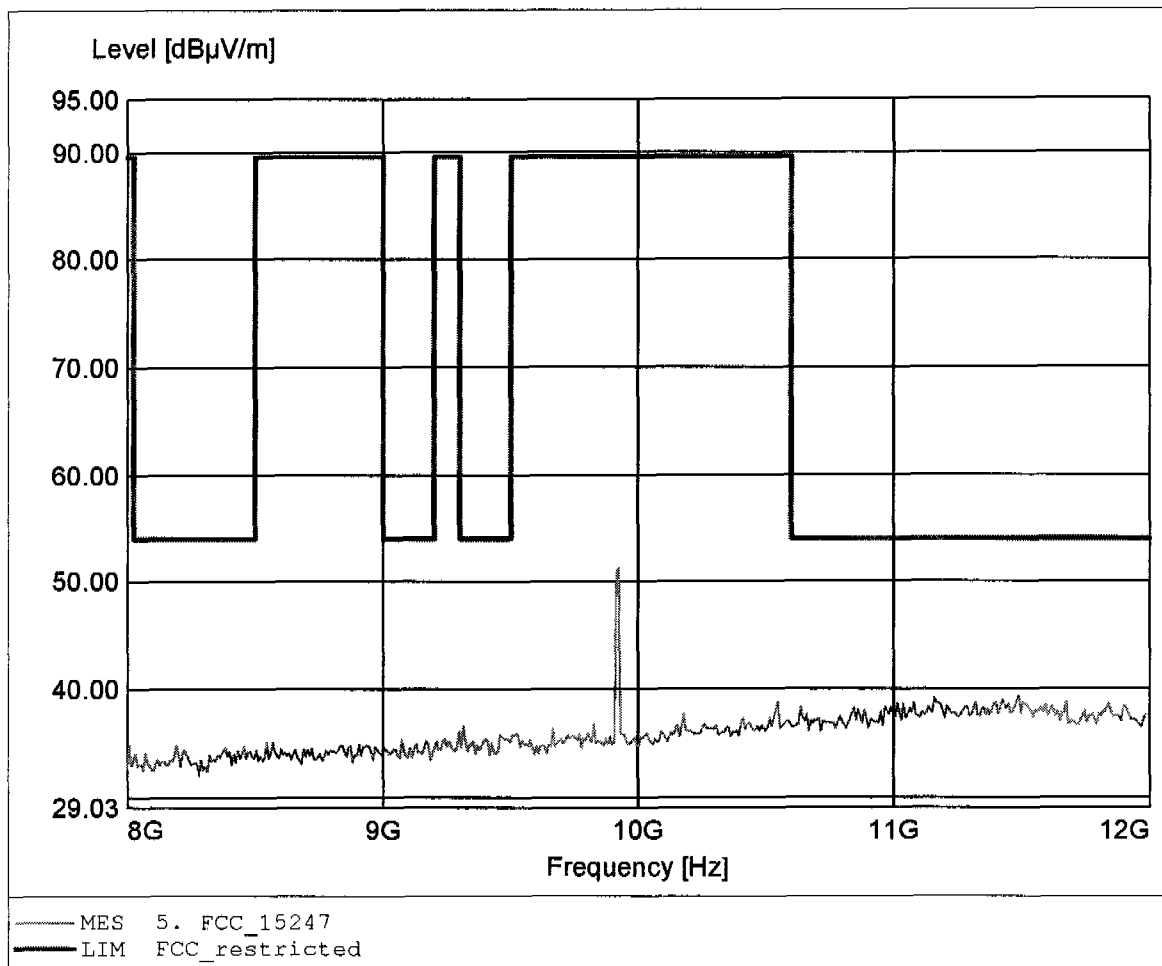
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to S15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 4.954GHz, Emax: 48.83dBuV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

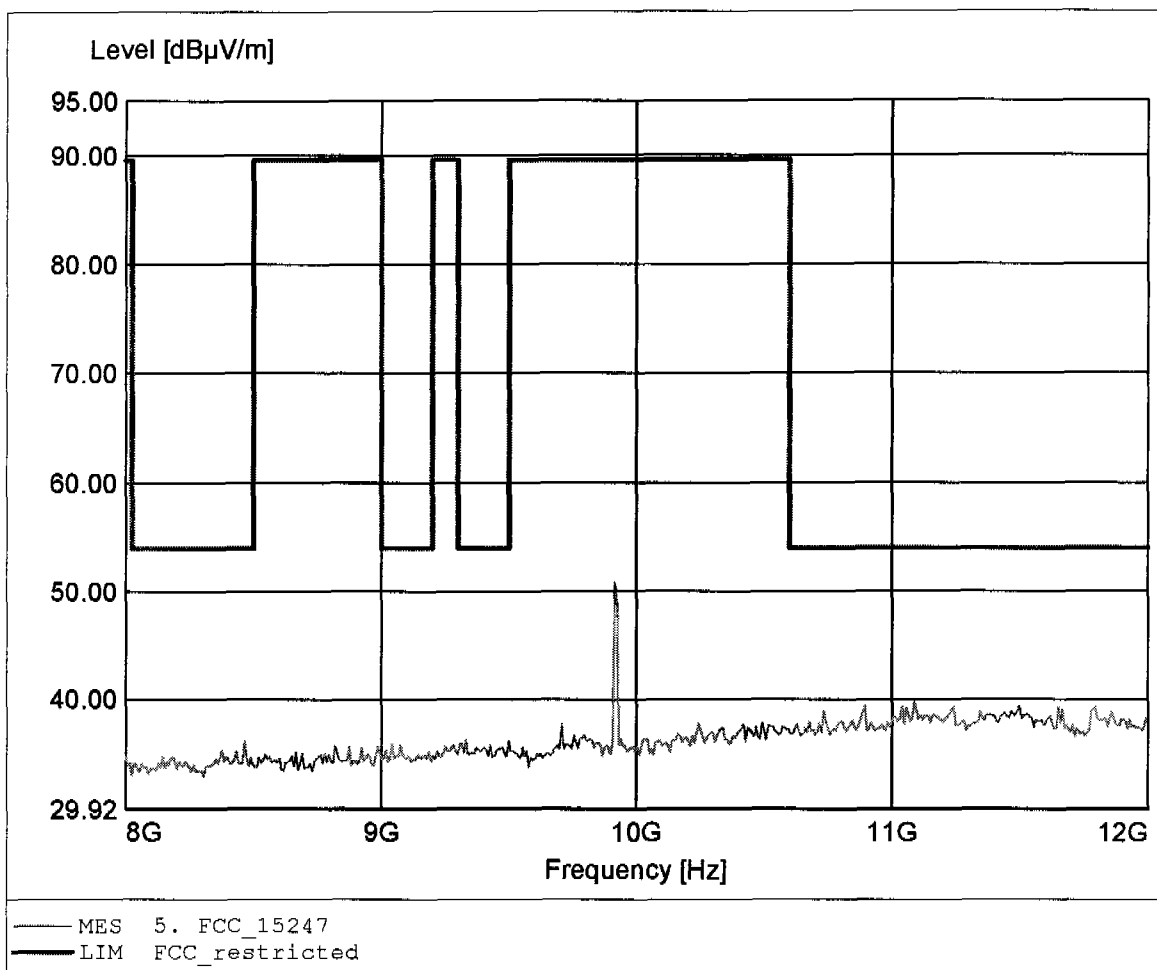
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.924GHz, Emax: 51.22dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

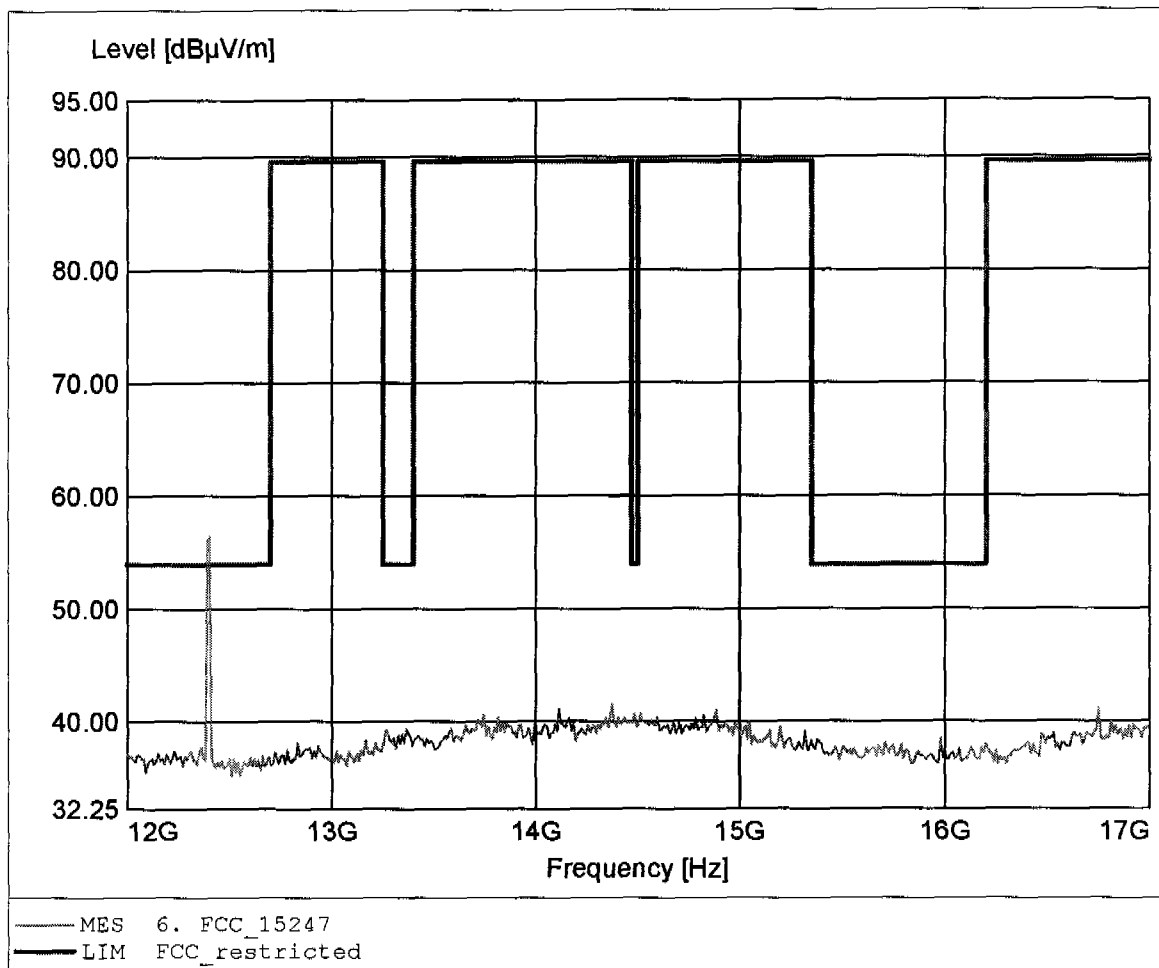
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 9.916GHz, Emax: 50.83dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

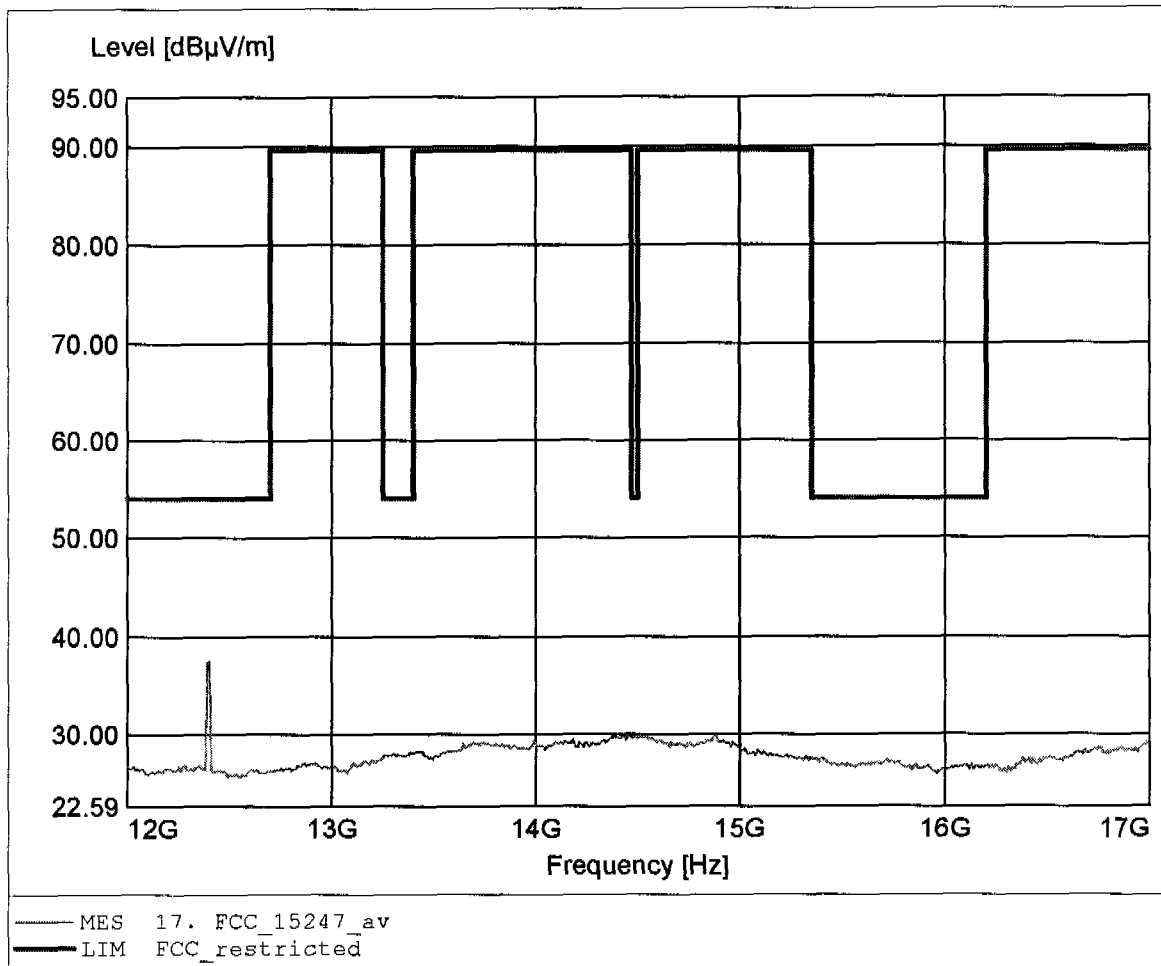
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.401GHz, Emax: 56.40dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

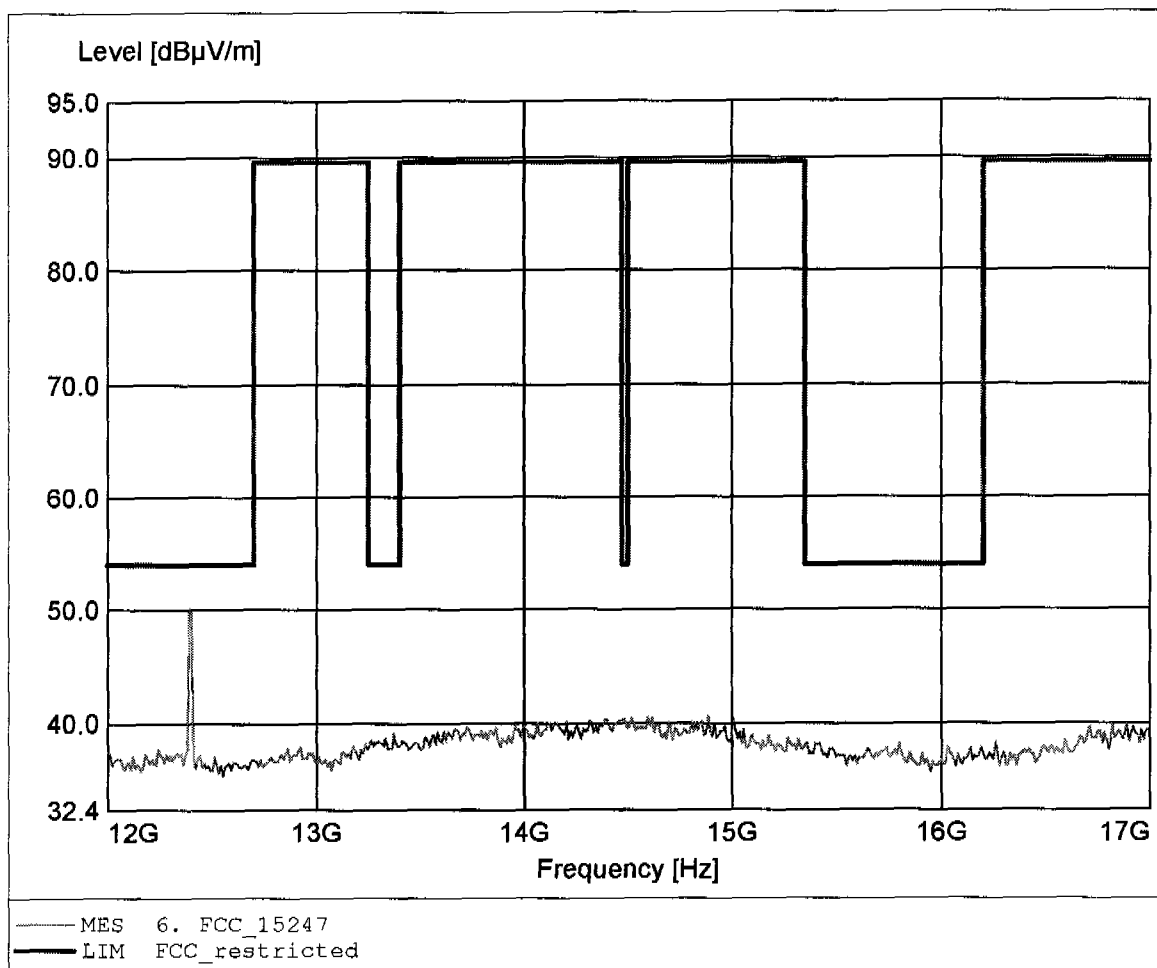
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, average detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.401GHz, Emax: 37.51dBμV/m, RBW: 1MHz



## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

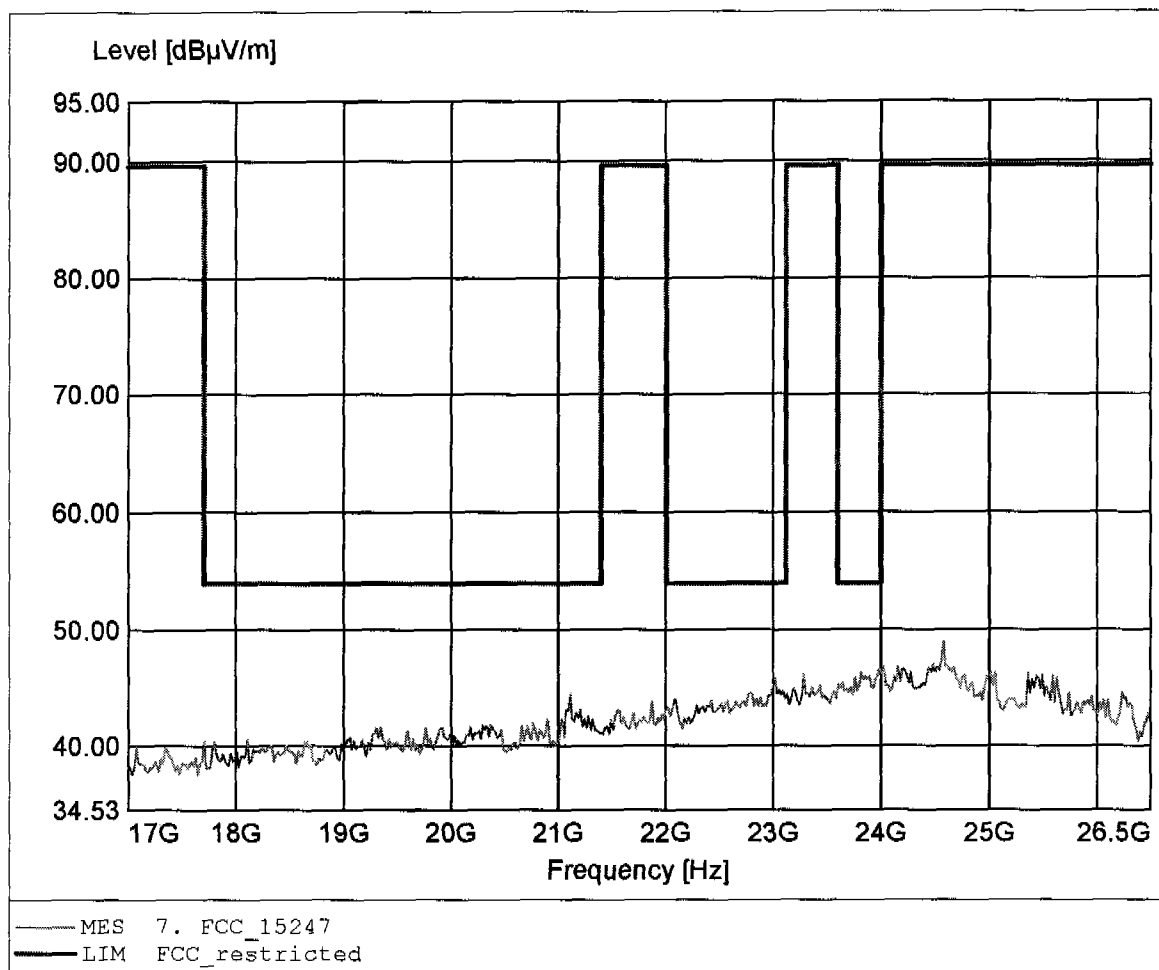
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.  
Comment 2: Freq: 12.391GHz, Emax: 50.07dBμV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.577GHz, Emax: 48.92dBµV/m, RBW: 1MHz

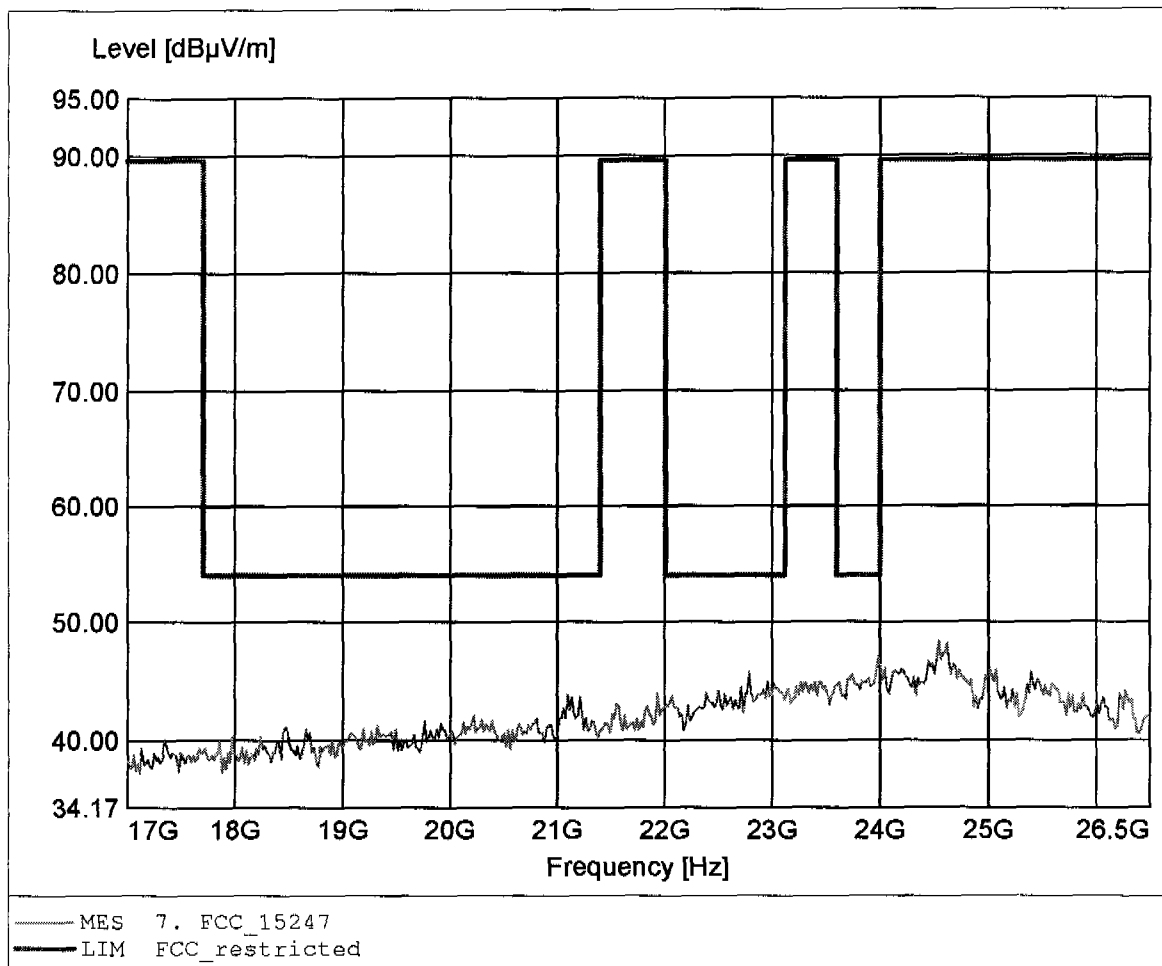




## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / Pwr: 25 (max power) / 2480 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Comment 2: Freq: 24.539GHz, Emax: 48.40dBμV/m, RBW: 1MHz



## **Appendix H**

AC power line conducted emissions

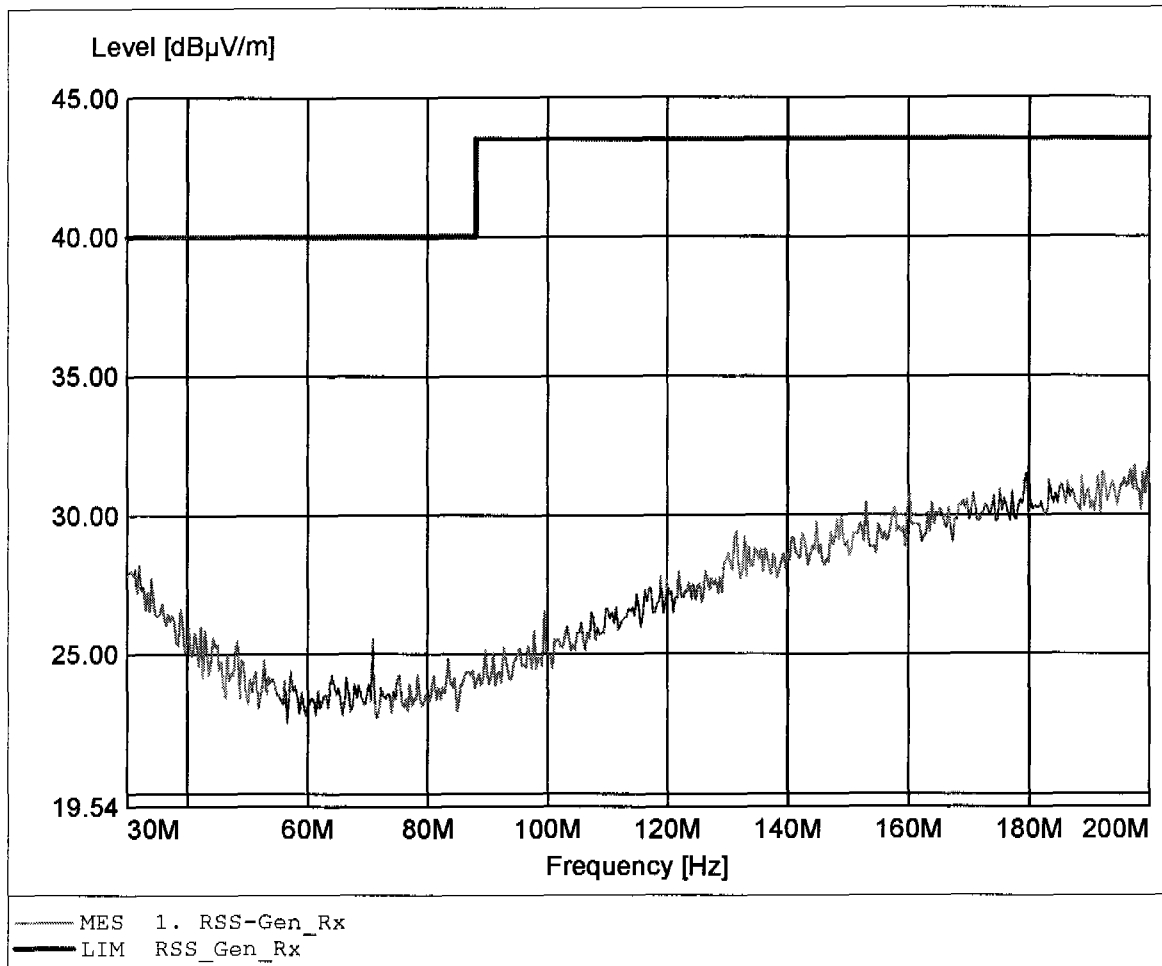
## **Appendix I**

Receiver radiated emisissions

# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

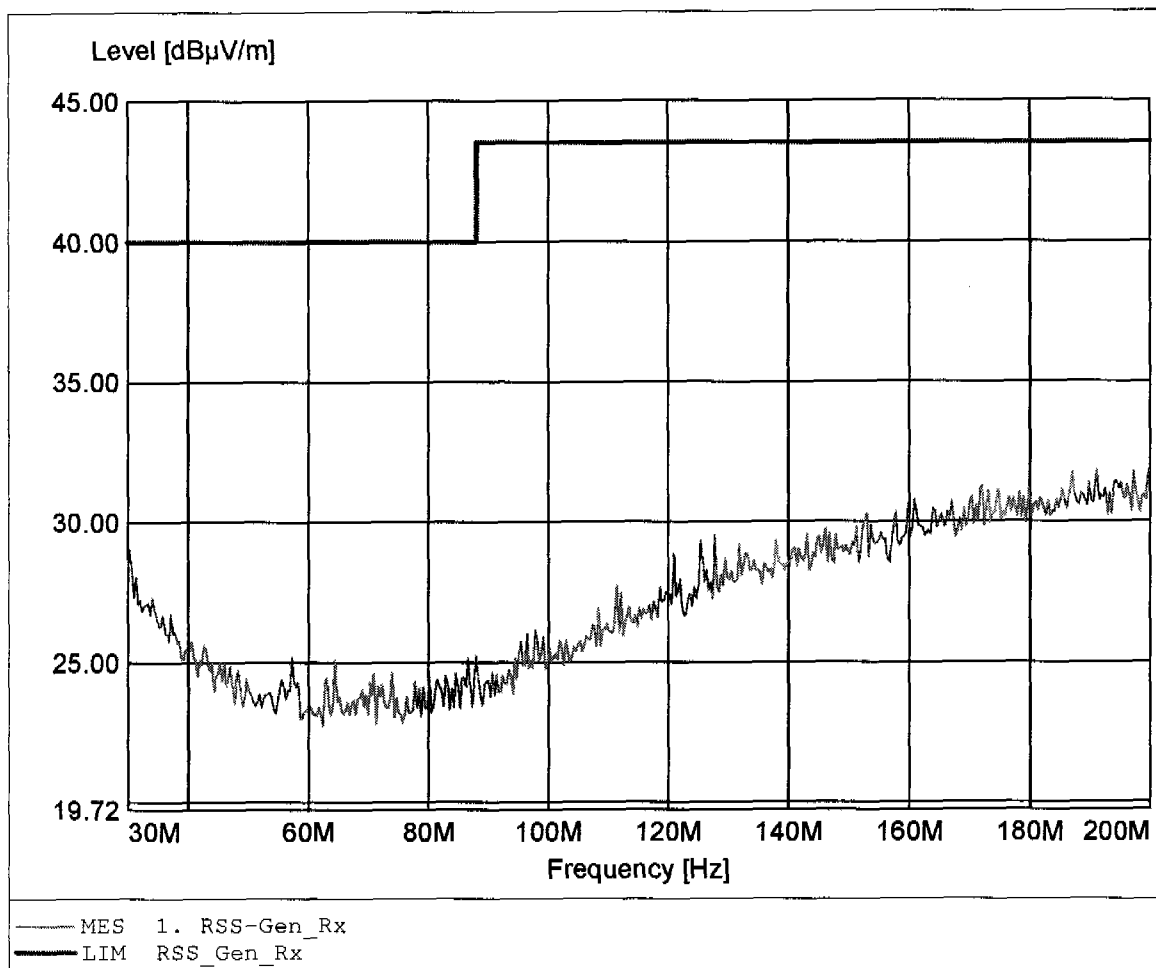
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:197.615MHz Emax:31.80dBµV/m REW: 100 kHz



## Field Strength under normal conditions

### Standards Industry Canada, RSS-GEN

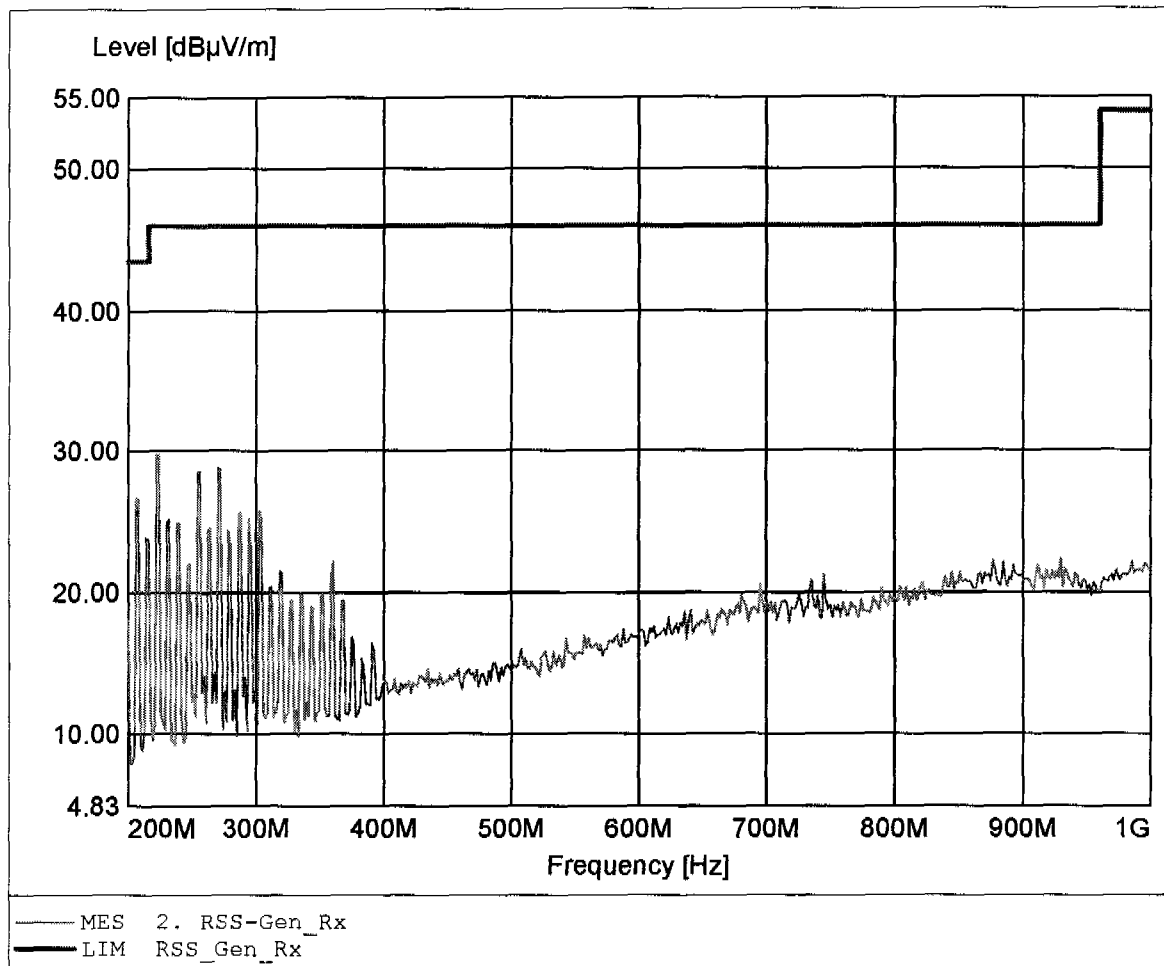
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:200.000MHz Emax:31.91dBµV/m RBW: 100 kHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

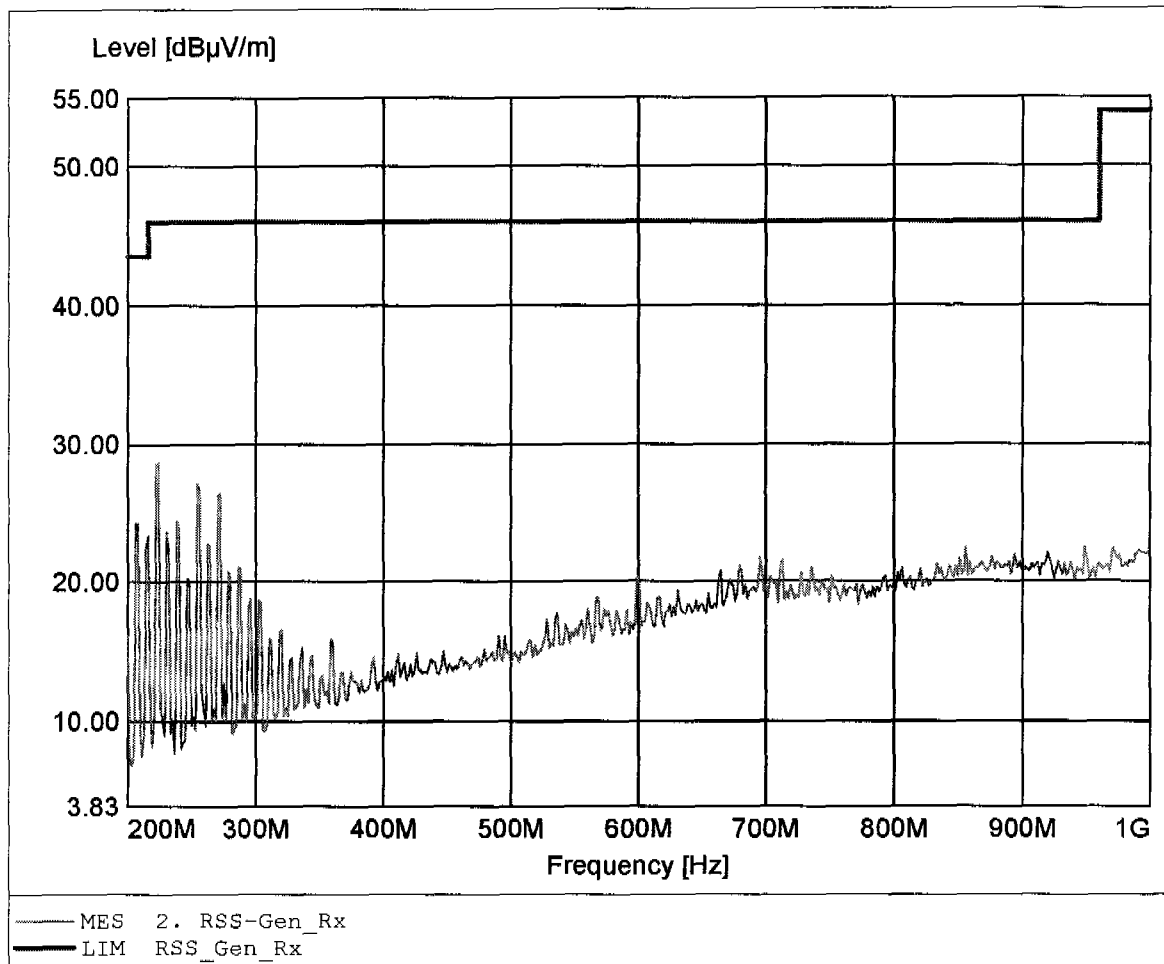
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:224.048MHz Emax:29.71dBµV/m REW: 100 kHz



## Field Strength under normal conditions

### Standards Industry Canada, RSS-GEN

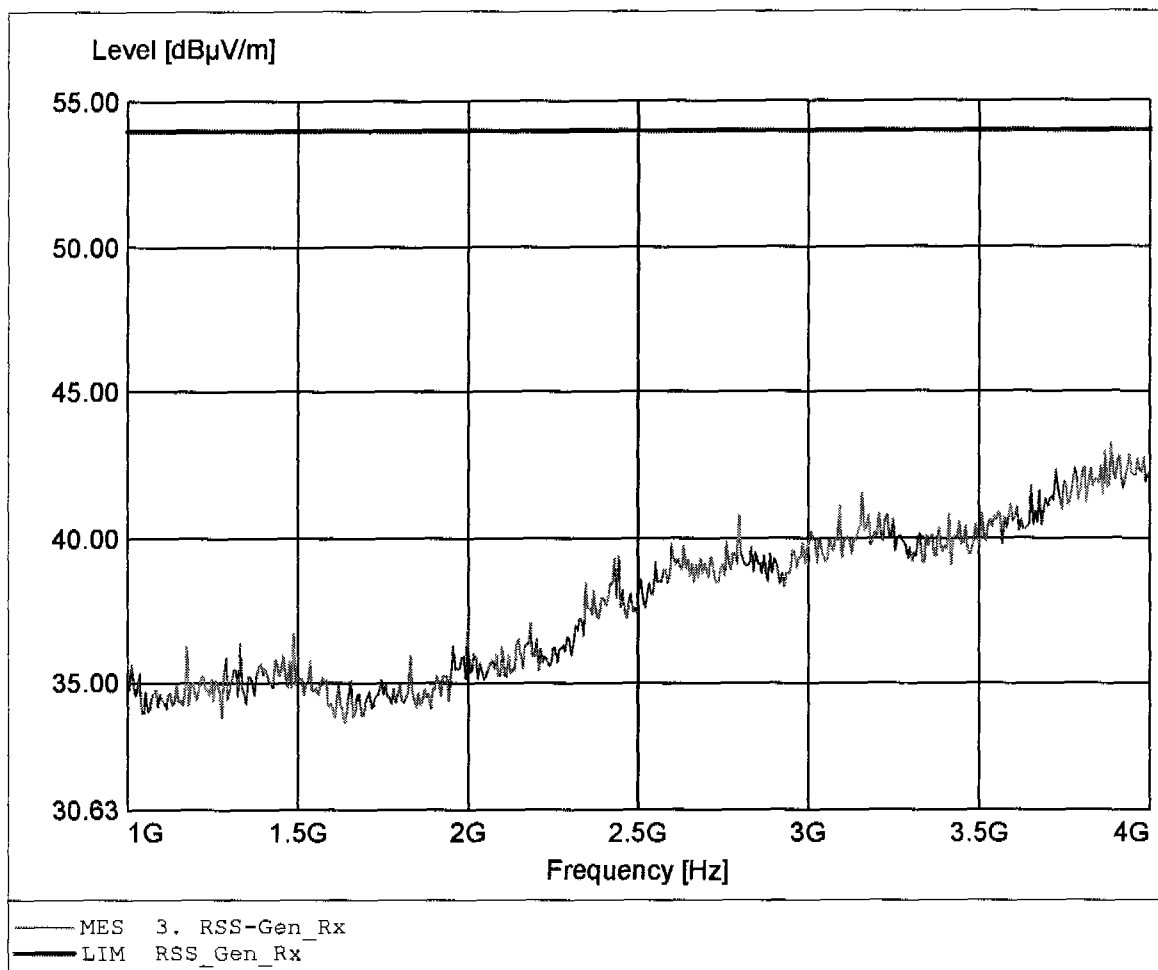
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:224.048MHz Emax:28.67dBμV/m RBW: 100 kHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:3.886GHz Emax:43.28dBμV/m RBW: 1 MHz

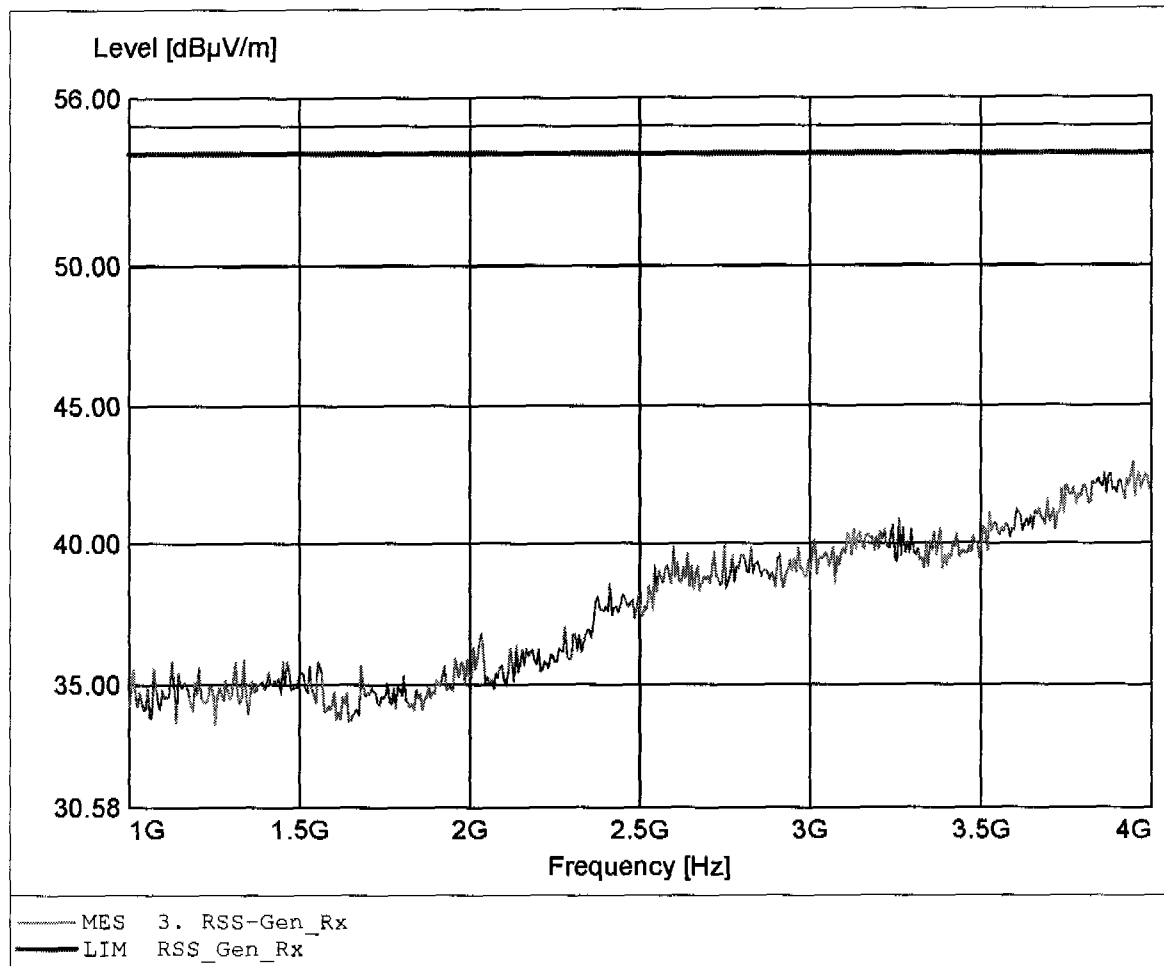




# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

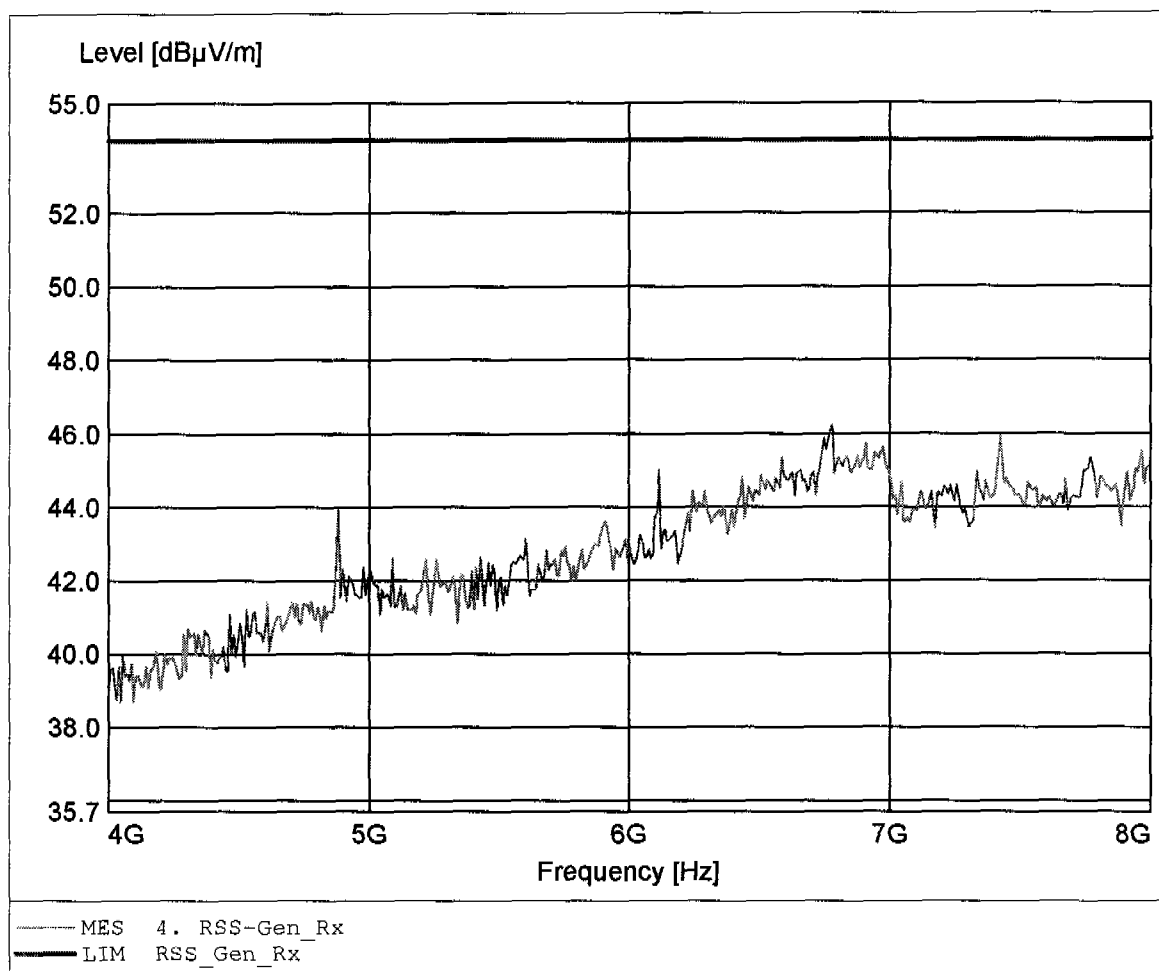
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:3.946GHz Emax:42.94dBμV/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

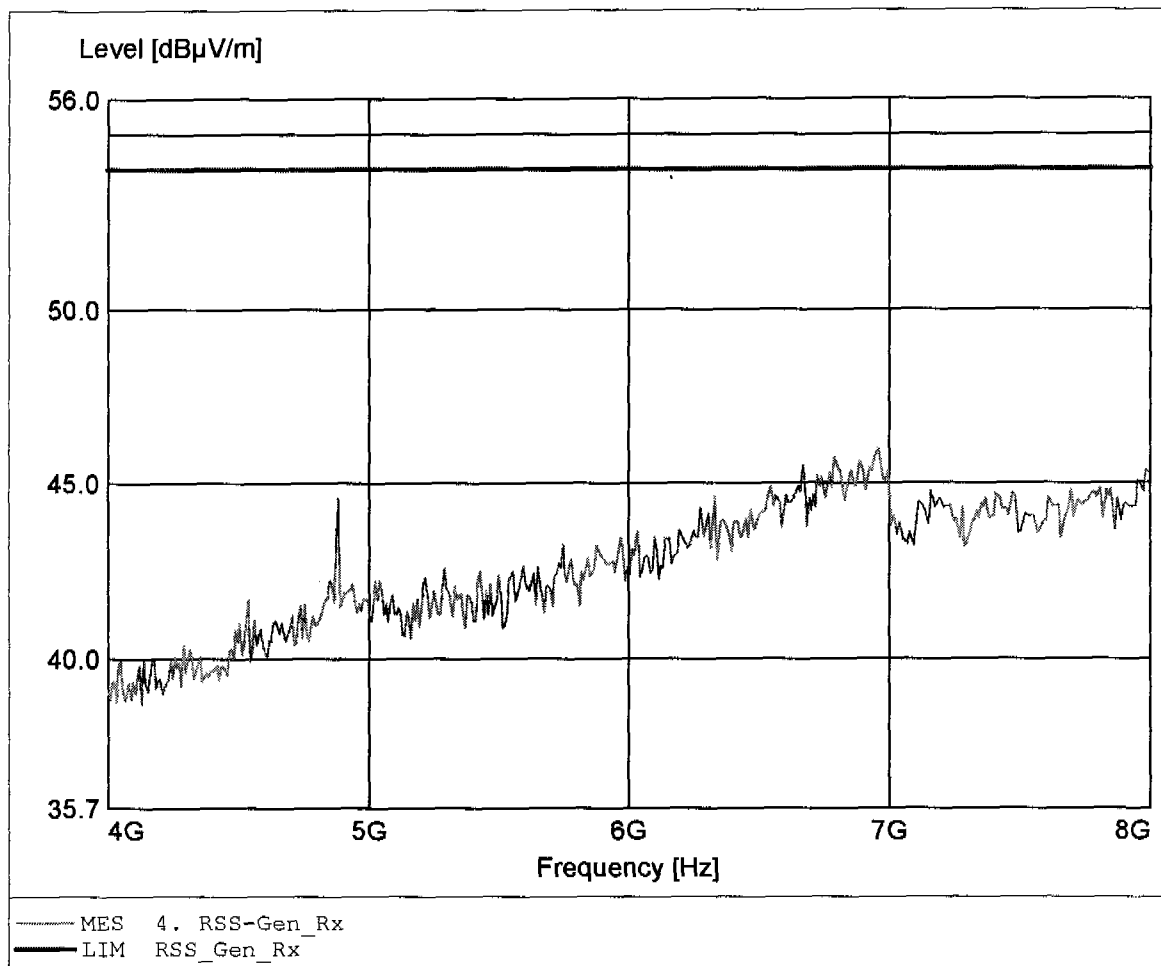
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq: 6.782GHz Emax: 46.22dBµV/m RBW: 1 MHz



## Field Strength under normal conditions

### Standards Industry Canada, RSS-GEN

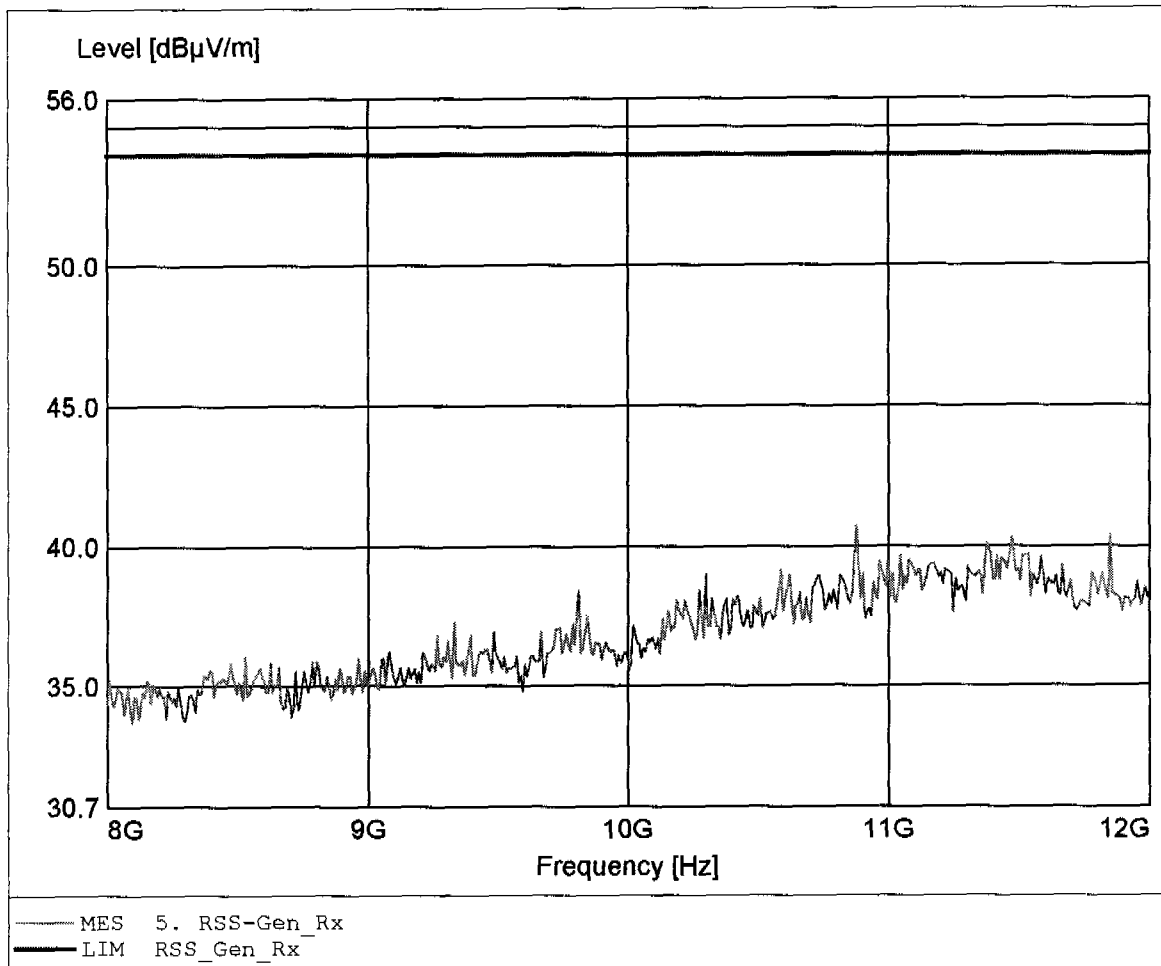
Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq: 6.958GHz Emax: 46.00dBμV/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:10.878GHz Emax:40.73dBμV/m RBW: 1 MHz



## Field Strength under normal conditions

### Standards Industry Canada, RSS-GEN

Approval Holder: Honeywell  
EUT: Wireless Sensor  
Model: VA301W / 2445 MHz  
Test Site / Operator: ETS / Mr. Schlaps  
Test Condition: 25°C / Unom.: 3.6 V DC (long live battery)  
Test Specification: according to RSS-Gen Issue 1  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:11.110GHz Emax:39.74dBμV/m RBW: 1 MHz

