# Appendix B

RF power output conducted

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel : 11 / 2405 MHz |
| Comment 3 | |

| | | | | | |
|---|---|---|---|---|---|
| | Marker 1 [T1] | | RBW 5 MHz | RF Att | 30 dB |
| Ref Lvl | | 3.83 dBm | VBW 10 MHz | | |
| 10 dBm | | 2.40515030 GHz | SWT 20.5 ms | Unit | dBm |



Center 2.405 GHz          3 MHz/          Span 30 MHz

Date:     6.MAR.2007  11:56:56

---

Measurement diagram

ETS Product Service AG

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel : 19 / 2445 MHz |
| Comment 3 | |

| | Marker 1 [T1] | RBW | 5 MHz | RF Att | 30 dB |
|---|---|---|---|---|---|
| Ref Lvl | 3.37 dBm | VBW | 10 MHz | | |
| 10 dBm | 2.44515030 GHz | SWT | 20.5 ms | Unit | dBm |



0.5 dB Offset

A

1MAX

1AV

Center 2.445 GHz          3 MHz/          Span 30 MHz

Date:     6.MAR.2007  11:59:54

---

Measurement diagram

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C    /    Vmin |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel :   26   /   2480 MHz |
| Comment 3 | |

| Marker 1 [T1] | | RBW | 5 MHz | RF Att | 30 dB |
|---|---|---|---|---|---|
| Ref Lvl | 2.80 dBm | VBW | 10 MHz | | |
| 10 dBm | 2.48021042 GHz | SWT | 20.5 ms | Unit | dBm |

0.5 dB Offset

A

1MAX

1AV

Center 2.48 GHz          3 MHz/          Span 30 MHz

Date:     6.MAR.2007   11:47:32

---

Measurement diagram

ETS Product Service AG

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vmin |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel : 11 / 2405 MHz |
| Comment 3 | |

| | | | | |
|---|---|---|---|---|
| | Marker 1 [T1] | RBW 5 MHz | RF Att | 30 dB |
| Ref Lvl | 3.69 dBm | VBW 10 MHz | | |
| 10 dBm | 2.40515030 GHz | SWT 20.5 ms | Unit | dBm |



```
10
      0.5 dB Offset                              A

 0

-10
    1MAX                                          1AV

-20

-30

-40

-50

-60
    Center 2.405 GHz        3 MHz/        Span 30 MHz
```

Date:      6.MAR.2007   11:58:07

---

Measurement diagram

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vmin |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel : 19 / 2445 MHz |
| Comment 3 | |

| | Marker 1 [T1] | | RBW | 5 MHz | RF Att | 30 dB |
|---|---|---|---|---|---|---|
| Ref Lvl | | 3.26 dBm | VBW | 10 MHz | | |
| 10 dBm | | 2.44515030 GHz | SWT | 20.5 ms | Unit | dBm |



Center 2.445 GHz    3 MHz/    Span 30 MHz

Date:    6.MAR.2007   11:59:09

---

Measurement diagram

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C    /    Vmax |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel :   26   /   2480 MHz |
| Comment 3 | |

| | Marker 1 [T1] | RBW | 5 MHz | RF Att | 30 dB |
|---|---|---|---|---|---|
| Ref Lvl | 2.97 dBm | VBW | 10 MHz | | |
| 10 dBm | 2.47990982 GHz | SWT | 20.5 ms | Unit | dBm |



Center 2.48 GHz               3 MHz/               Span 30 MHz

Date:      6.MAR.2007   11:52:23

---

Measurement diagram

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vmax |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel : 11 / 2405 MHz |
| Comment 3 | |

| | Marker 1 [T1] | RBW | 5 MHz | RF Att | 30 dB |
|---|---|---|---|---|---|
| Ref Lvl | 3.83 dBm | VBW | 10 MHz | | |
| 10 dBm | 2.40515030 GHz | SWT | 20.5 ms | Unit | dBm |

```
10
       0.5 dB Offset                                    A

 0

-10
      1MAX                                             1AV

-20

-30

-40

-50

-60
     Center 2.405 GHz              3 MHz/         Span 30 MHz
```

Date:     6.MAR.2007  11:55:40

---

Measurement diagram

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vmax |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel : 19 / 2445 MHz |
| Comment 3 | |



| | Marker 1 [T1] | RBW | 5 MHz | RF Att | 30 dB |
|---|---|---|---|---|---|
| Ref Lvl | 3.38 dBm | VBW | 10 MHz | | |
| 10 dBm | 2.44515030 GHz | SWT | 20.5 ms | Unit | dBm |

Date: 6.MAR.2007 12:00:43

---

Measurement diagram

ETS Product Service AG

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| Test Site / Operator | ETS |
| Test Specification | Power Output Option 1 |
| Comment 1 | Output Power conducted |
| Comment 2 | Channel : 26 / 2480 MHz |
| Comment 3 | |

| | Marker 1 [T1] | RBW | 5 MHz | RF Att | 30 dB |
|---|---|---|---|---|---|
| Ref Lvl | 2.95 dBm | VBW | 10 MHz | | |
| 10 dBm | 2.47990982 GHz | SWT | 20.5 ms | Unit | dBm |



```
Center 2.48 GHz            3 MHz/            Span 30 MHz
```

Date:     6.MAR.2007  11:50:25

---

Measurement diagram

# Appendix C

RF power output radiated (EIRP)

# Appendix D

6 dB bandwidth

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| Test Site / Operator | ETS |
| Test Specification | FCC part 15.247 (a)2 |
| Comment 1 | Bandwidth |
| Comment 2 | Channel : 19 / 2445 MHz |
| Comment 3 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | Marker 1 [T1 ndB] | | RBW | 100 kHz | RF Att | 30 dB |
| Ref Lvl | ndB | 6.00 dB | VBW | 100 kHz | | |
| 10 dBm | BW | 1.54308617 MHz | SWT | 20.5 ms | Unit | dBm |



```
10                                                              A
    0.5 dB Offset
                                       1
0
                                     ∇
                              T1        T2
-10                          ∇          ∇
1MAX                                                           1AV
-20
-30
-40
-50
-60
    Center 2.445 GHz           1 MHz/           Span 10 MHz
```

Date:     6.MAR.2007  13:45:45

---
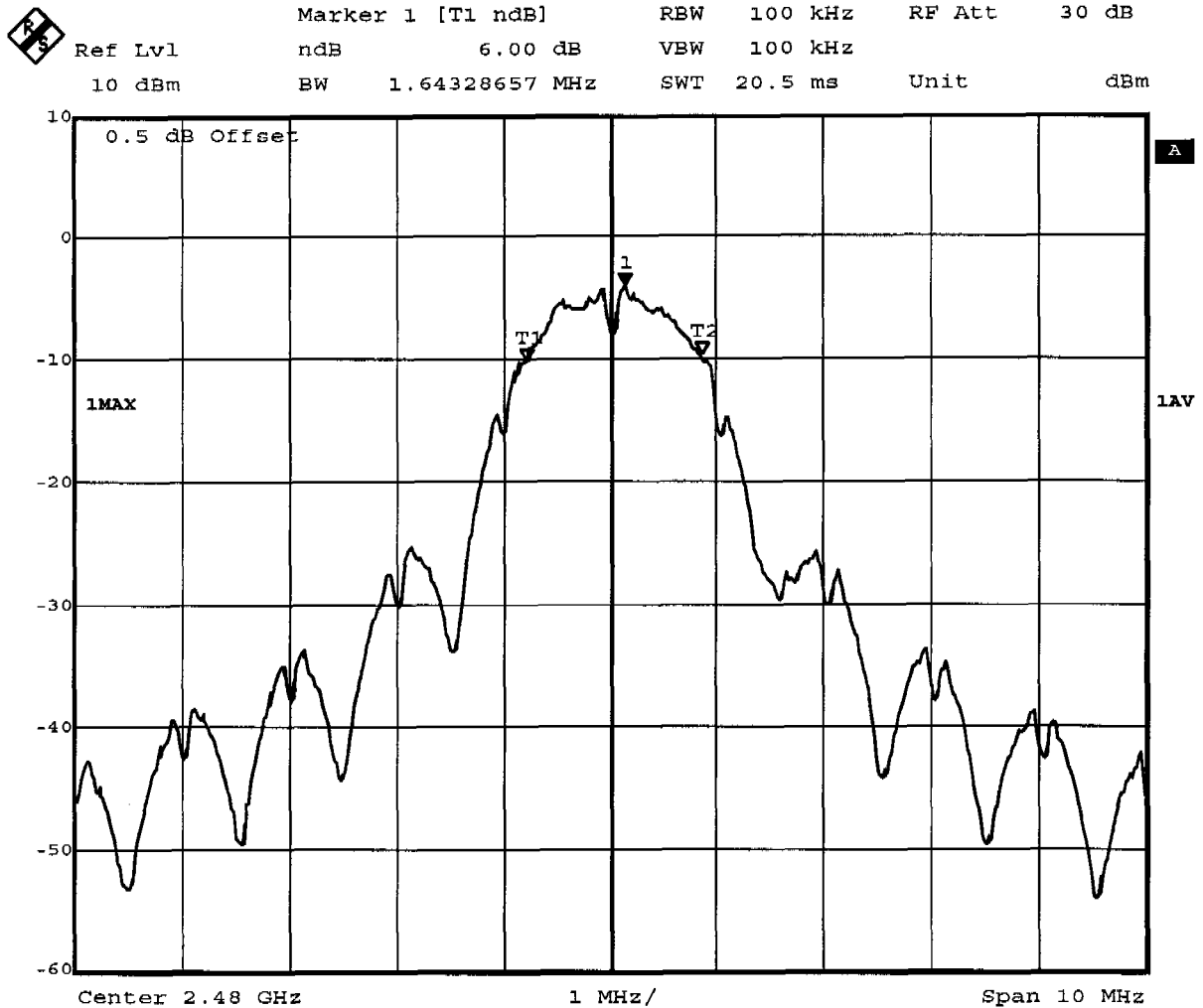
Measurement diagram

ETS Product Service AG
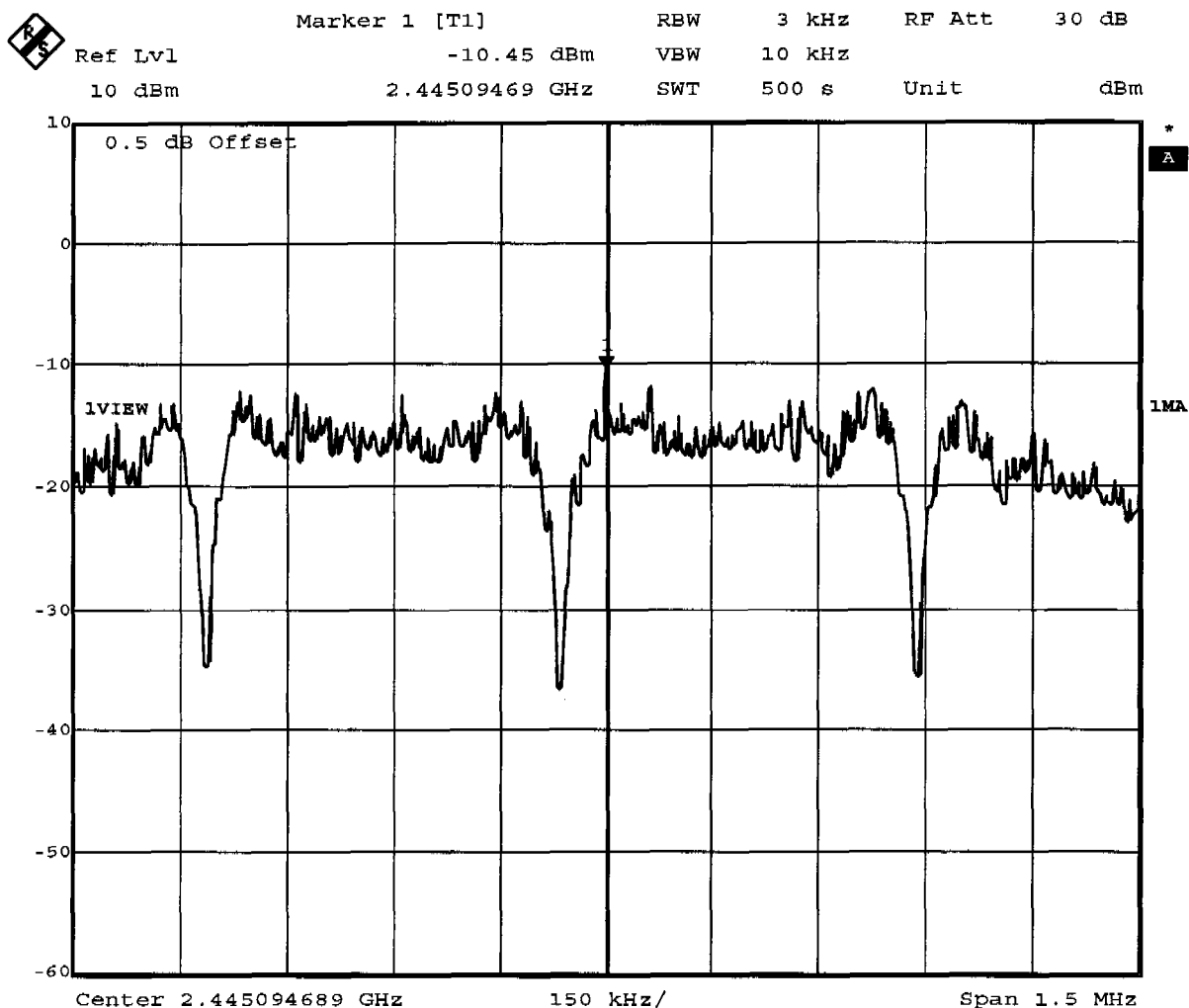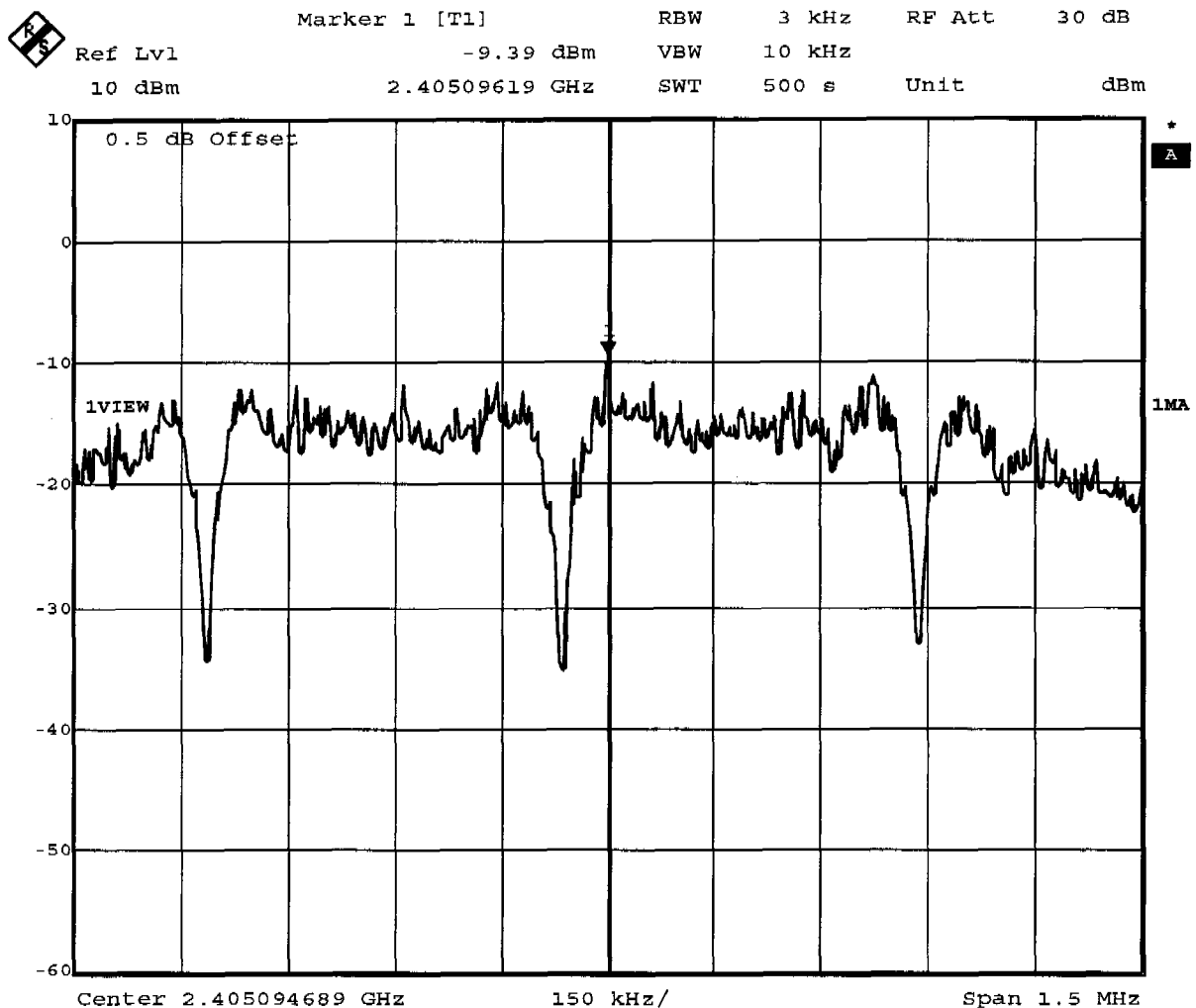Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN          Page 1 of 1

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| Test Site / Operator | ETS |
| Test Specification | FCC part 15.247 (a)2 |
| Comment 1 | Bandwidth |
| Comment 2 | Channel : 11 / 2405 MHz |
| Comment 3 | |

| | Marker 1 [T1 ndB] | RBW | 100 kHz | RF Att | 30 dB |
|---|---|---|---|---|---|
| Ref Lvl | ndB | 6.00 dB | VBW | 100 kHz | |
| 10 dBm | BW | 1.44288577 MHz | SWT | 20.5 ms | Unit | dBm |



```
Center 2.405 GHz              1 MHz/           Span 10 MHz
```

Date:      6.MAR.2007   12:12:43

---

Measurement diagram

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| Test Site / Operator | ETS |
| Test Specification | FCC part 15.247 (a)2 |
| Comment 1 | Bandwidth |
| Comment 2 | Channel : 26 / 2480 MHz |
| Comment 3 | |

| | Marker 1 [T1 ndB] | RBW 100 kHz | RF Att 30 dB |
|---|---|---|---|
| Ref Lvl | ndB 6.00 dB | VBW 100 kHz | |
| 10 dBm | BW 1.64328657 MHz | SWT 20.5 ms | Unit dBm |



Center 2.48 GHz          1 MHz/          Span 10 MHz

Date:      6.MAR.2007   13:59:42

---

Measurement diagram

# Appendix E

Peak power spectral density

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| 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 | |



```
                    Marker 1 [T1]           RBW      3 kHz    RF Att    30 dB
   Ref Lvl                    -10.45 dBm    VBW     10 kHz
      10 dBm           2.44509469 GHz       SWT     500 s     Unit      dBm
```

Measurement diagram

Date: 6.MAR.2007 14:21:36

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| 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 | |



```
                Marker 1 [T1]              RBW     3 kHz    RF Att    30 dB
    Ref Lvl                   -9.39 dBm    VBW    10 kHz
       10 dBm            2.40509619 GHz    SWT    500 s    Unit        dBm
```

Center 2.405094689 GHz          150 kHz/          Span 1.5 MHz

Date:      6.MAR.2007   14:18:25

---

Measurement diagram

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

| | |
|---|---|
| EUT | 2.4GHz 802.15.4/ZigBee OEM module |
| Model | ZDM-A1281-B0 |
| Approval Holder | LuxLabs Ltd. DBA MeshNetics |
| Temperature / Voltage | 23°C / Vnom |
| 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 | |



| Marker 1 [T1] | | RBW | 3 kHz | RF Att | 30 dB |
|---|---|---|---|---|---|
| Ref Lvl | -11.75 dBm | VBW | 10 kHz | | |
| 10 dBm | 2.48009770 GHz | SWT | 500 s | Unit | dBm |

0.5 dB Offset

1VIEW

1MA

Center 2.480150301 GHz        150 kHz/        Span 1.5 MHz

Date:        6.MAR.2007   14:12:32

---

Measurement diagram

# Appendix F

Spurious emission conducted

# Appendix G

Spurious emission radiated

## Carrier power (Field Strength)

### FCC RULES PART 15, SUBPART C
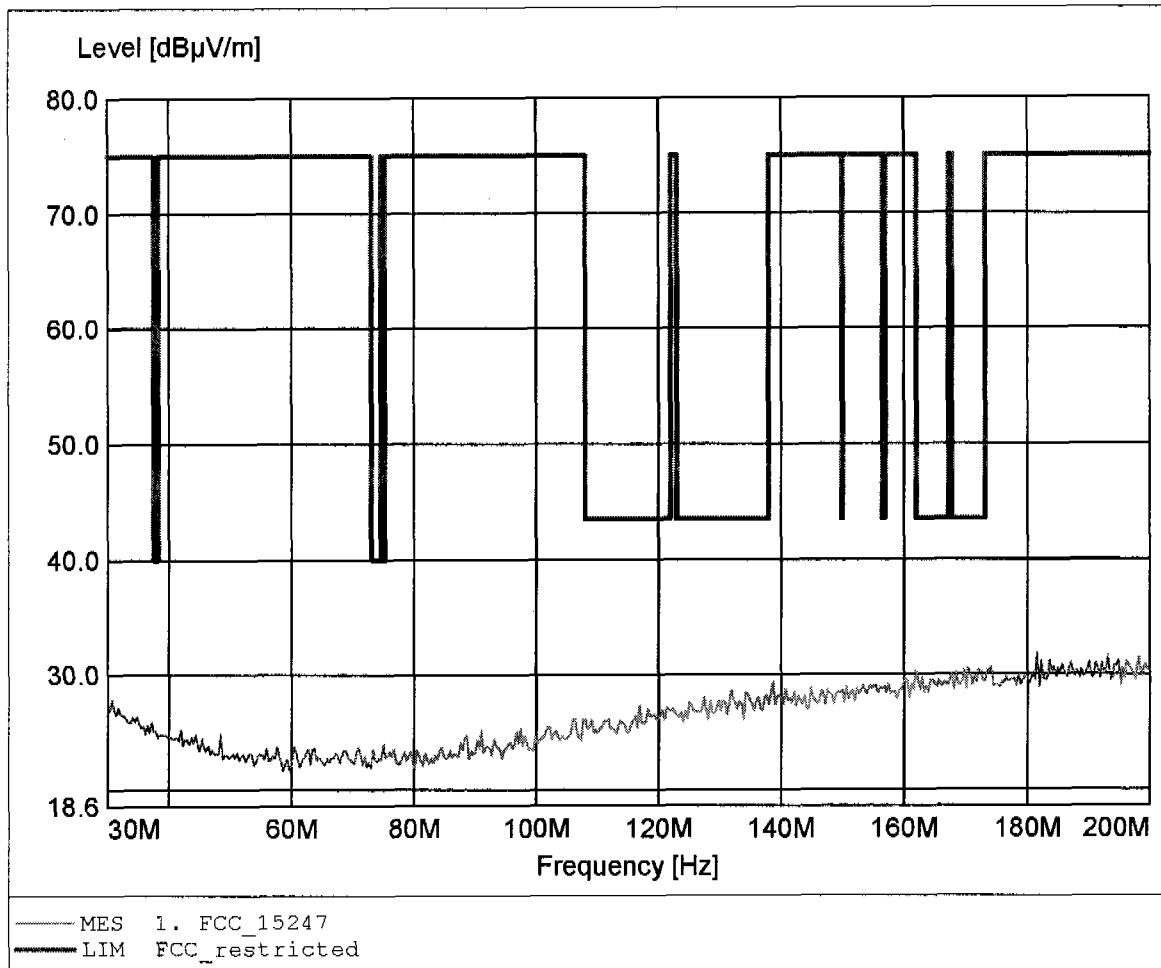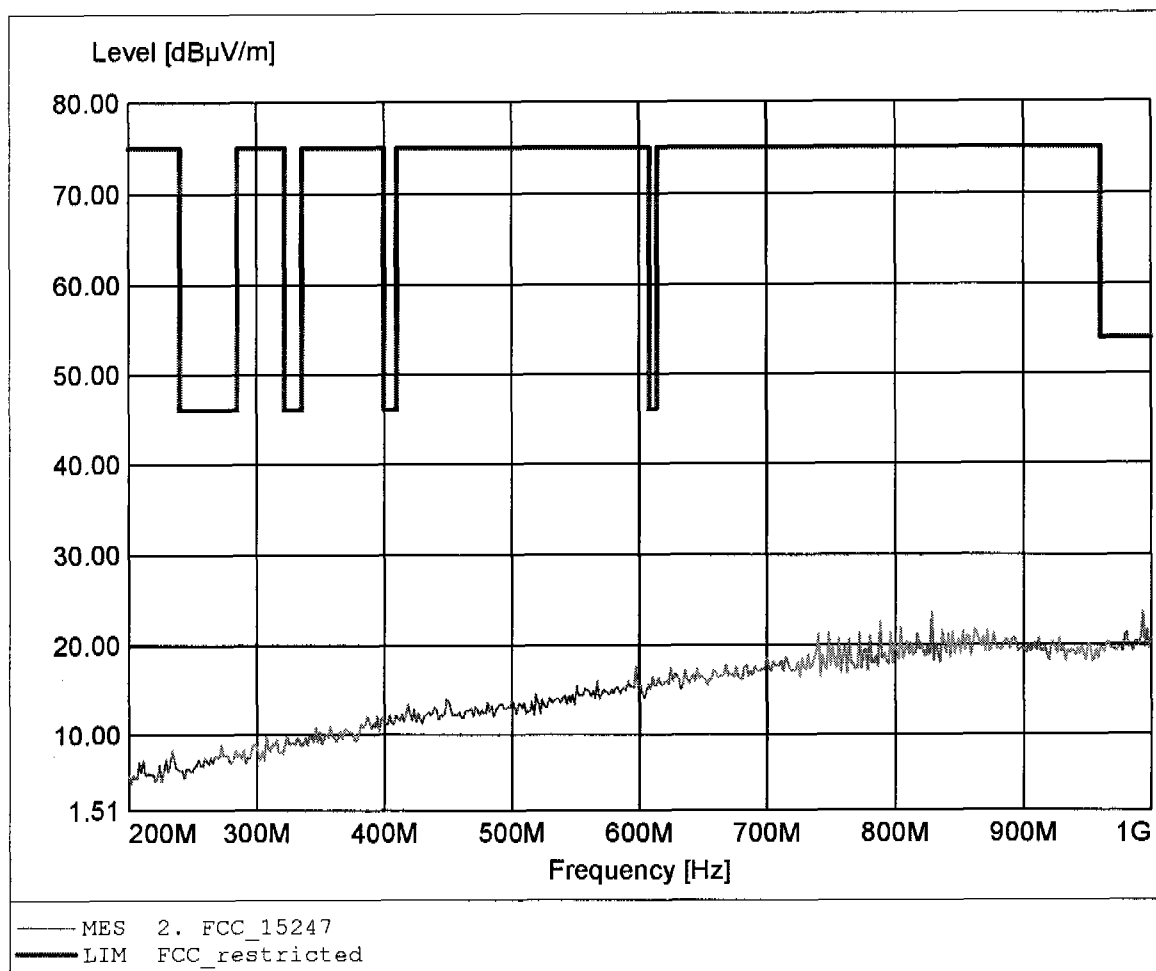
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EUT  /  Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE     /     ZDM-A1281-B0
Mode:                Channel: 19      /      2445 MHz / Ant. 1
Test Site / Operator: ETS    /   Mr. Schlaps
Test Condition:      25°C    /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:  according to §15.247
Comment 1:           Dist.: 3m, Ant.: BBHA9120D
Comment 2:           Freq: 2.445GHz, Emax: 95.04dBµV/m, RBW: 100kHz
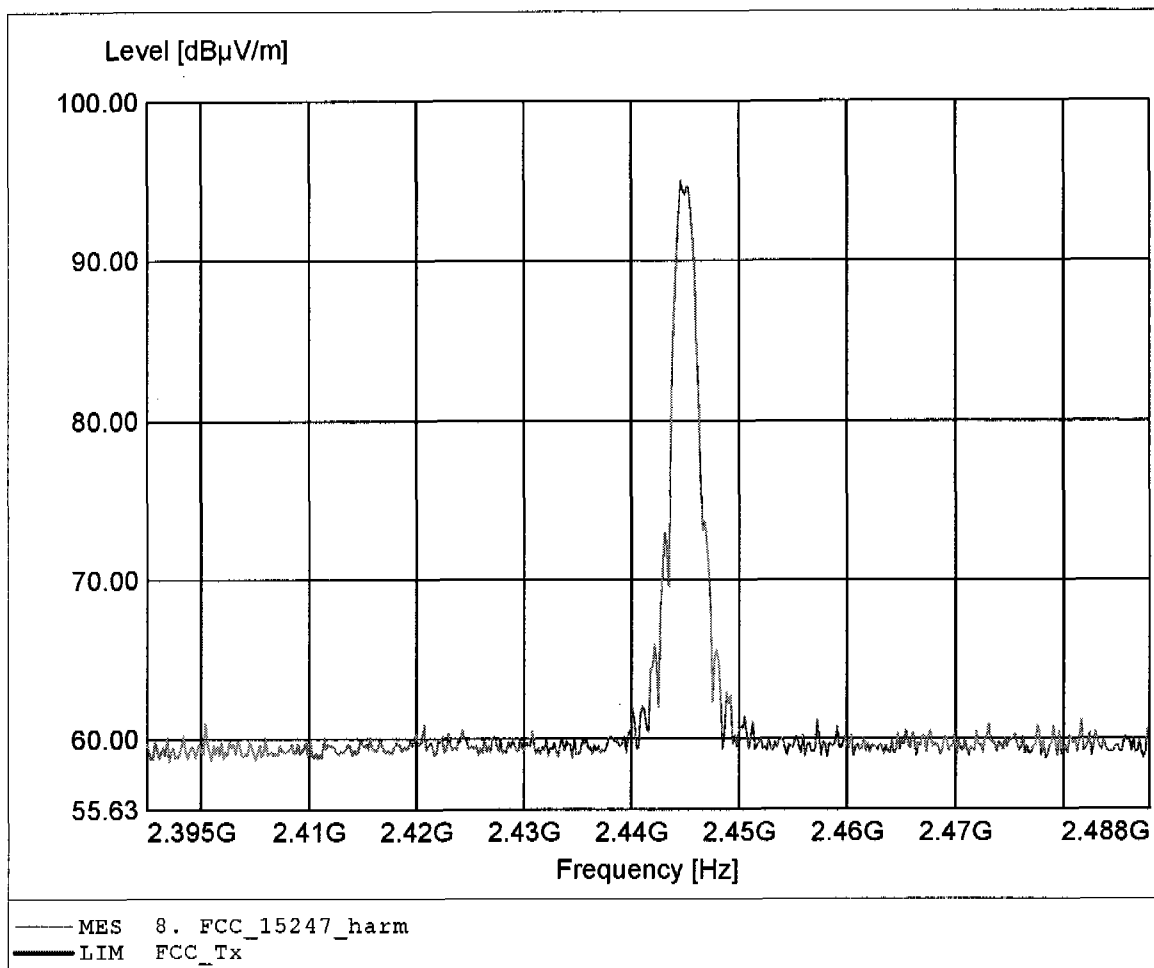


| | | |
|---|---|---|
| ────── MES | 8. FCC_15247_harm | |
| ────── LIM | FCC_Tx | |

## Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
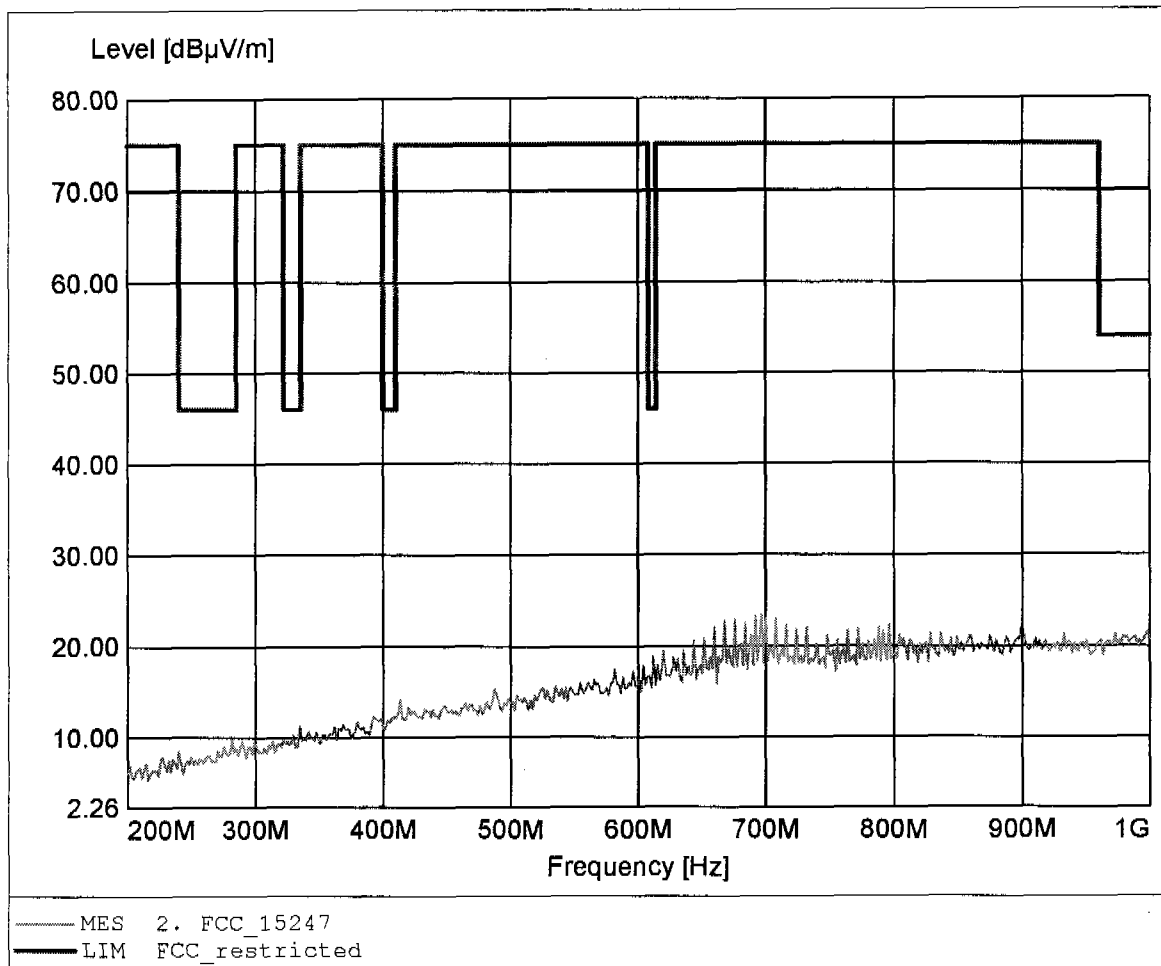
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator: ETS      /    Mr. Schlaps
Test Condition:       25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247
Comment 1:            Dist.: 3m, Ant.: HK 116
Comment 2:            Freq: 186.713MHz, Emax: 31.35dBµV/m, RBW: 100kHz
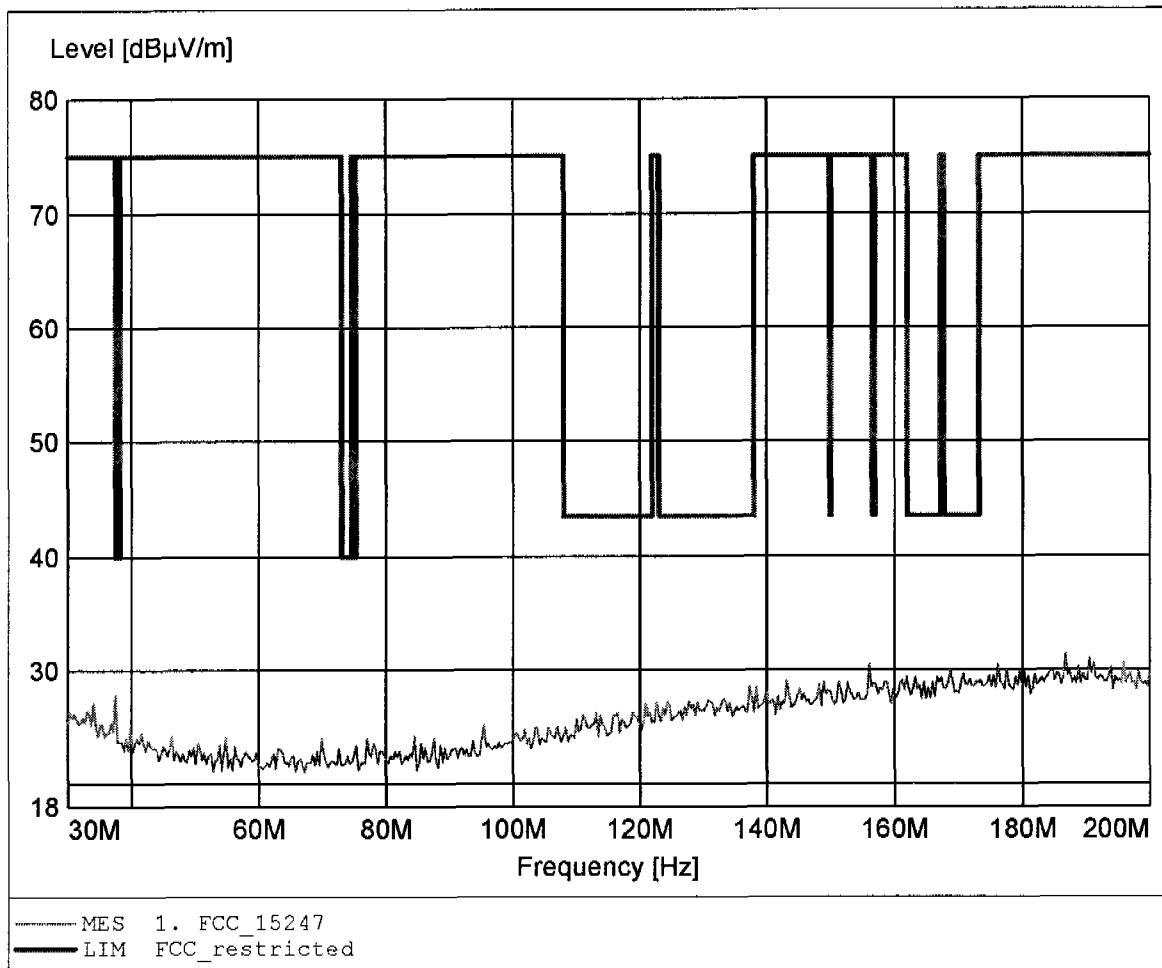


Page 1/1   09.03.2007  14:38   Overview / Antenna vertical

## Spurious emissions Field Strength

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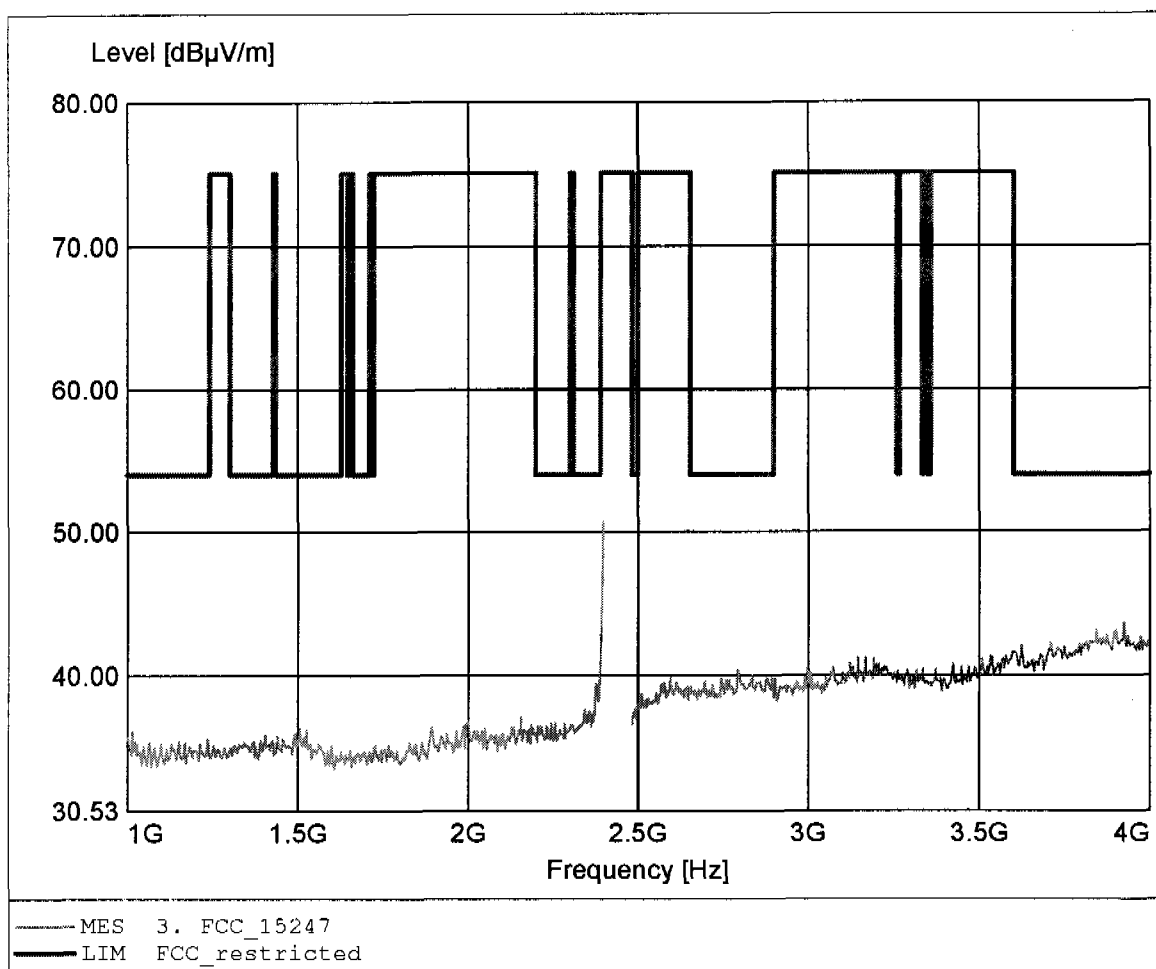
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator: ETS      /   Mr. Schlaps
Test Condition:       25°C      /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247
Comment 1:            Dist.: 3m, Ant.: HK 116
Comment 2:            Freq: 181.603MHz, Emax: 31.79dBµV/m, RBW: 100kHz



Level [dBµV/m] vs Frequency [Hz]

———— MES  1. FCC_15247
━━━━ LIM  FCC_restricted

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
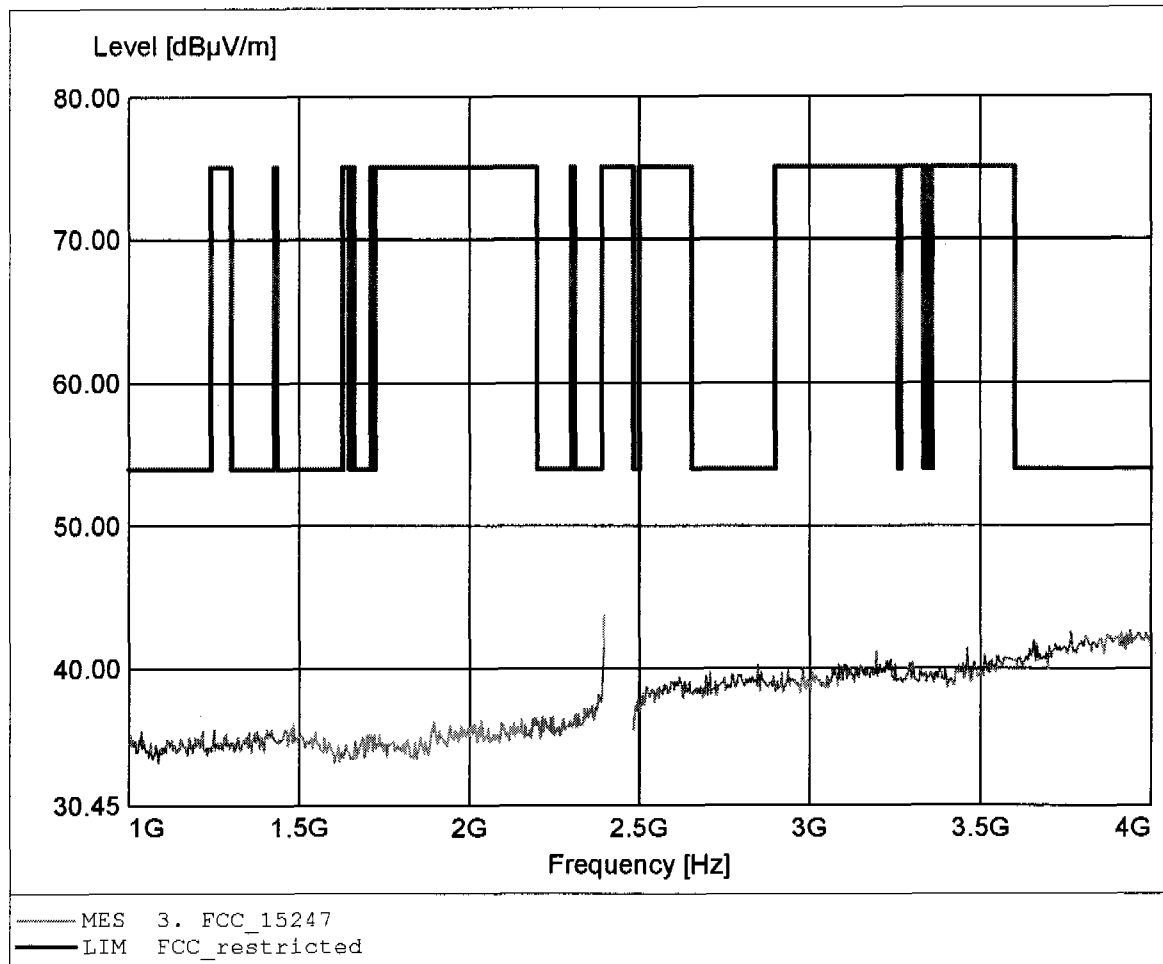
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Mode:                Channel: 11     /     2405 MHz / Ant. 1
Test Site / Operator: ETS    /    Mr. Schlaps
Test Condition:      25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:  according to §15.247
Comment 1:           Dist.: 3m, Ant.: HL 223, amplif.
Comment 2:           Freq: 993.587MHz, Emax: 23.65dBμV/m, RBW: 100kHz



------ MES  2. FCC_15247
━━━━ LIM   FCC_restricted

Page 1/1   09.03.2007  14:33   Overview / Antenna vertical

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
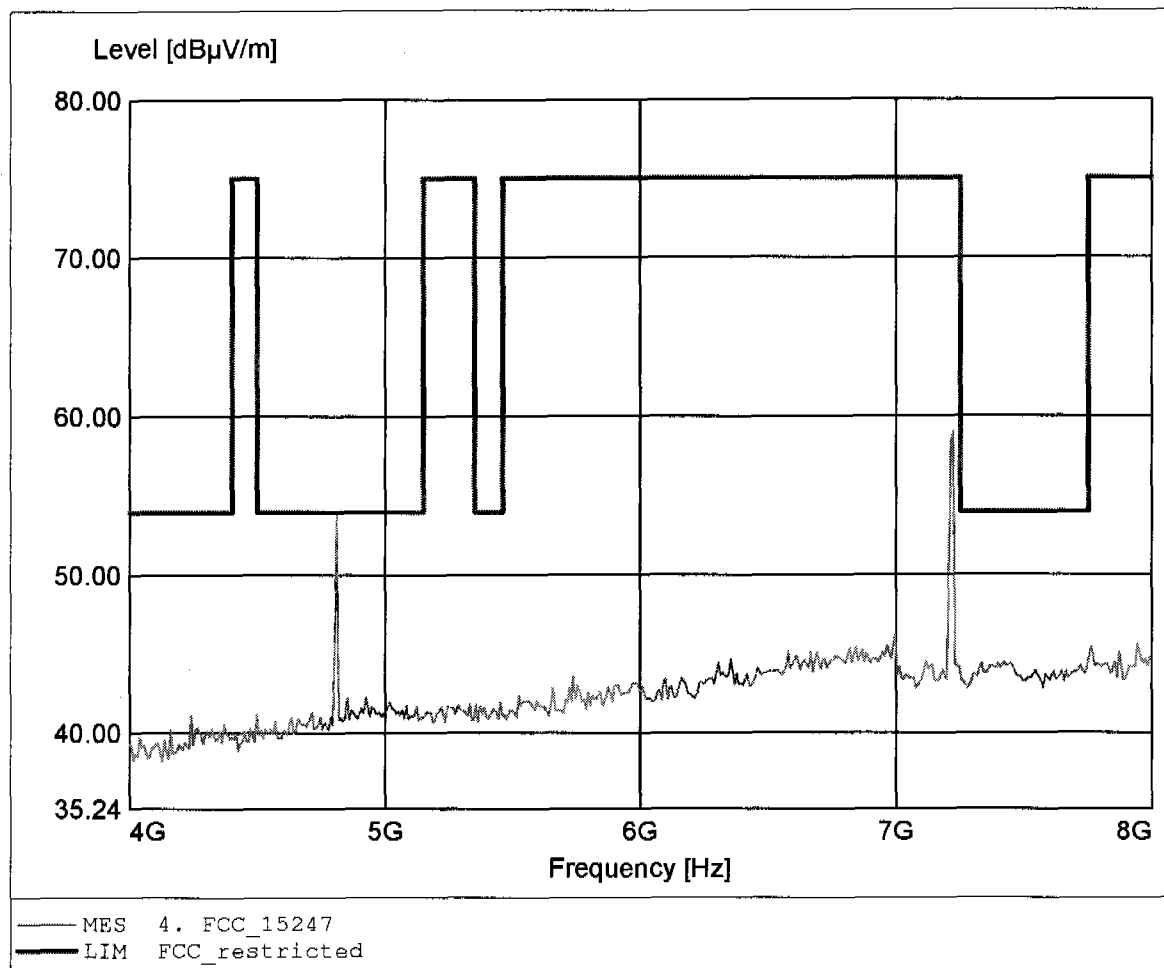
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EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                  Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator:  ETS    /   Mr. Schlaps
Test Condition:        25°C   /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL 223, amplif.
Comment 2:             Freq: 696.994MHz, Emax: 23.45dBµV/m, RBW: 100kHz



MES   2. FCC_15247
LIM   FCC_restricted

## Spurious emissions Field Strength

### FCC RULES PART 15, SUBPART C
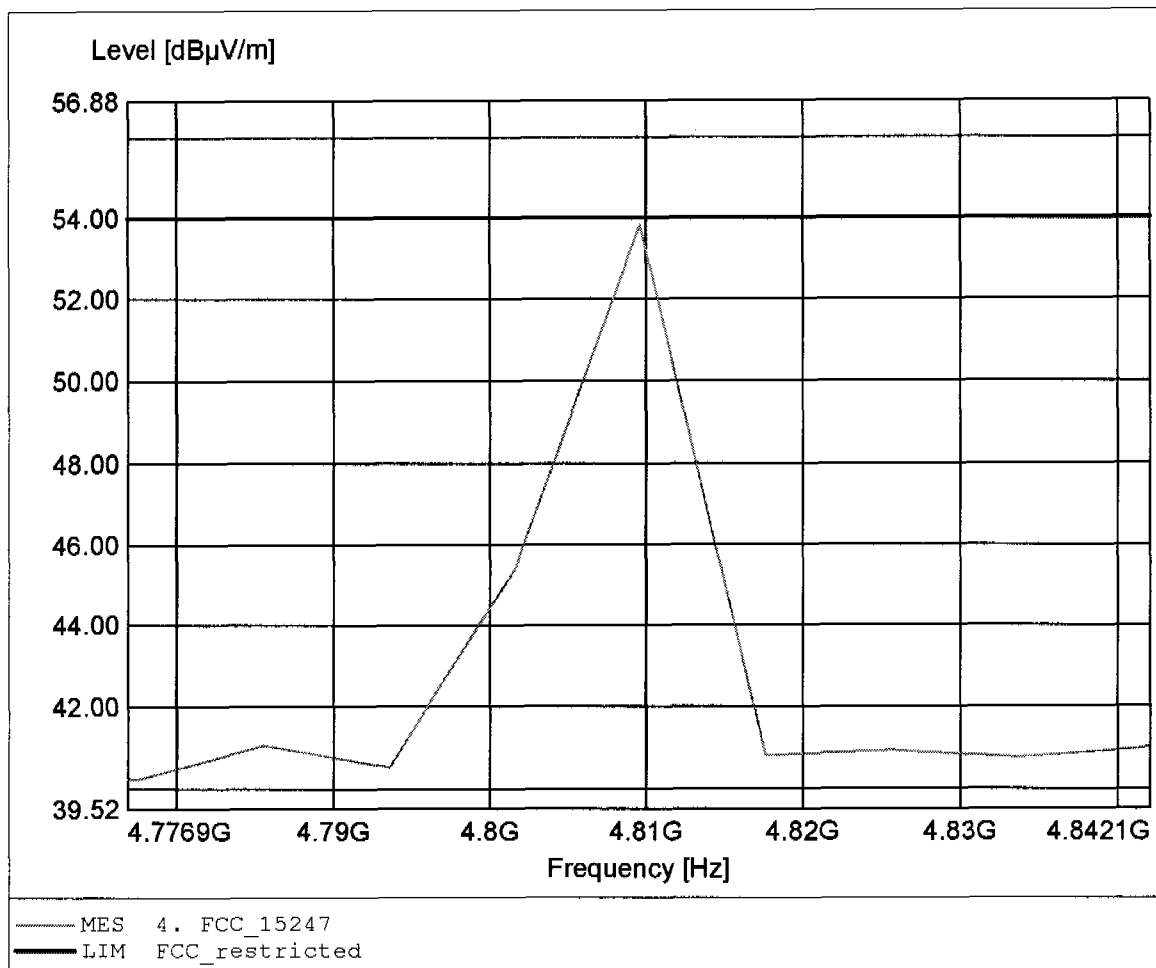
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EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                  Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator:  ETS     /   Mr. Schlaps
Test Condition:        25°C    /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, amplif., notch-filter
Comment 2:             Freq: 2.397GHz, Emax: 50.64dBµV/m, RBW: 1MHz
```



```
—————MES  3. FCC_15247
————LIM   FCC_restricted
```

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
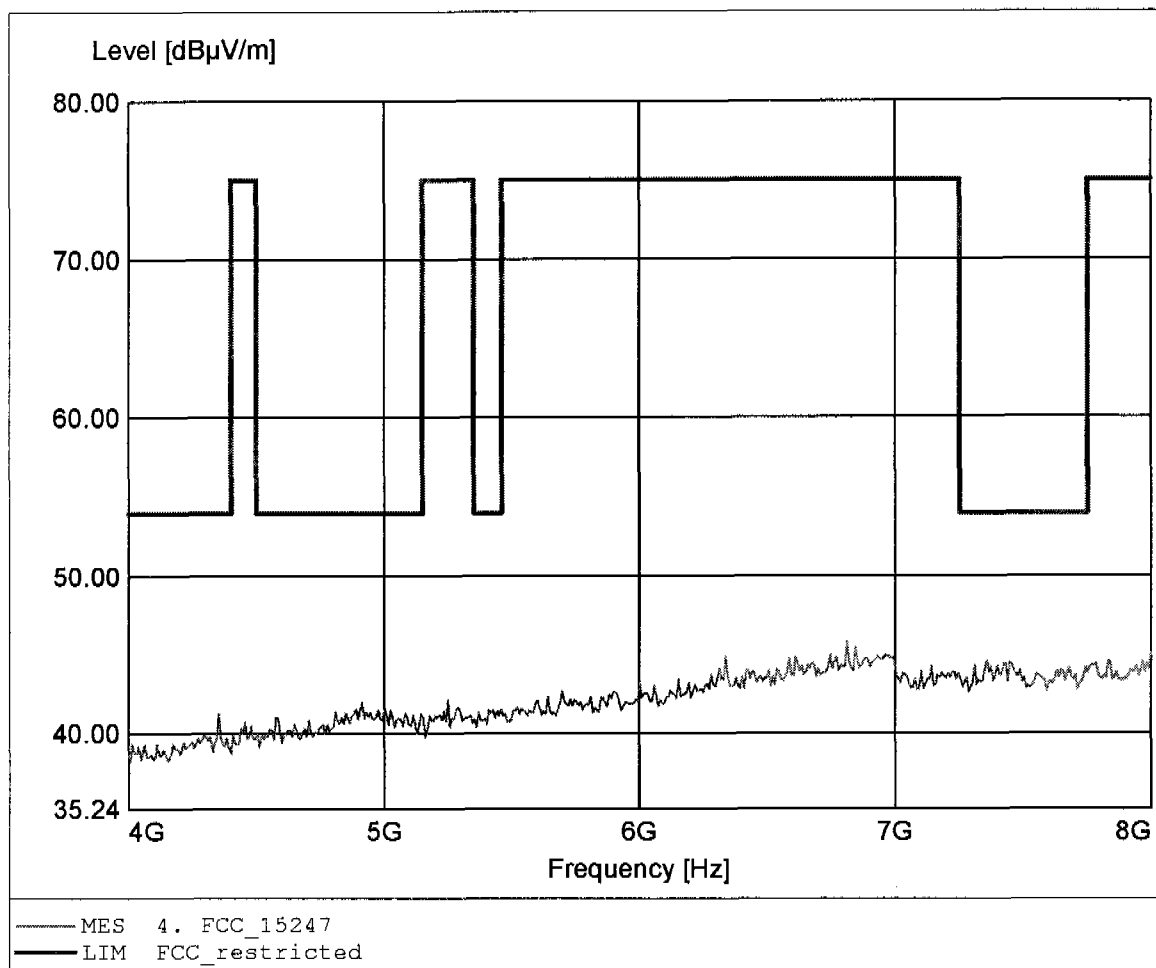
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EUT  /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                Channel: 11     /      2405 MHz / Ant. 1
Test Site / Operator: ETS    /    Mr. Schlaps
Test Condition:      25°C   /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:  according to §15.247, peak detector
Comment 1:           Dist.: 3m, Ant.: BBHA9120D, amplif., notch-filter
Comment 2:           Freq: 2.397GHz, Emax: 43.64dBµV/m, RBW: 1MHz



MES  3. FCC_15247
LIM  FCC_restricted

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*

Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator: ETS    /    Mr. Schlaps
Test Condition:       25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:            Freq: 7.222GHz, Emax: 59.04dBµV/m, RBW: 1MHz



MES  4. FCC_15247
LIM  FCC_restricted

Page 1/1   09.03.2007  14:10   Overview / Antenna vertical

## *Spurious emissions Field Strength*

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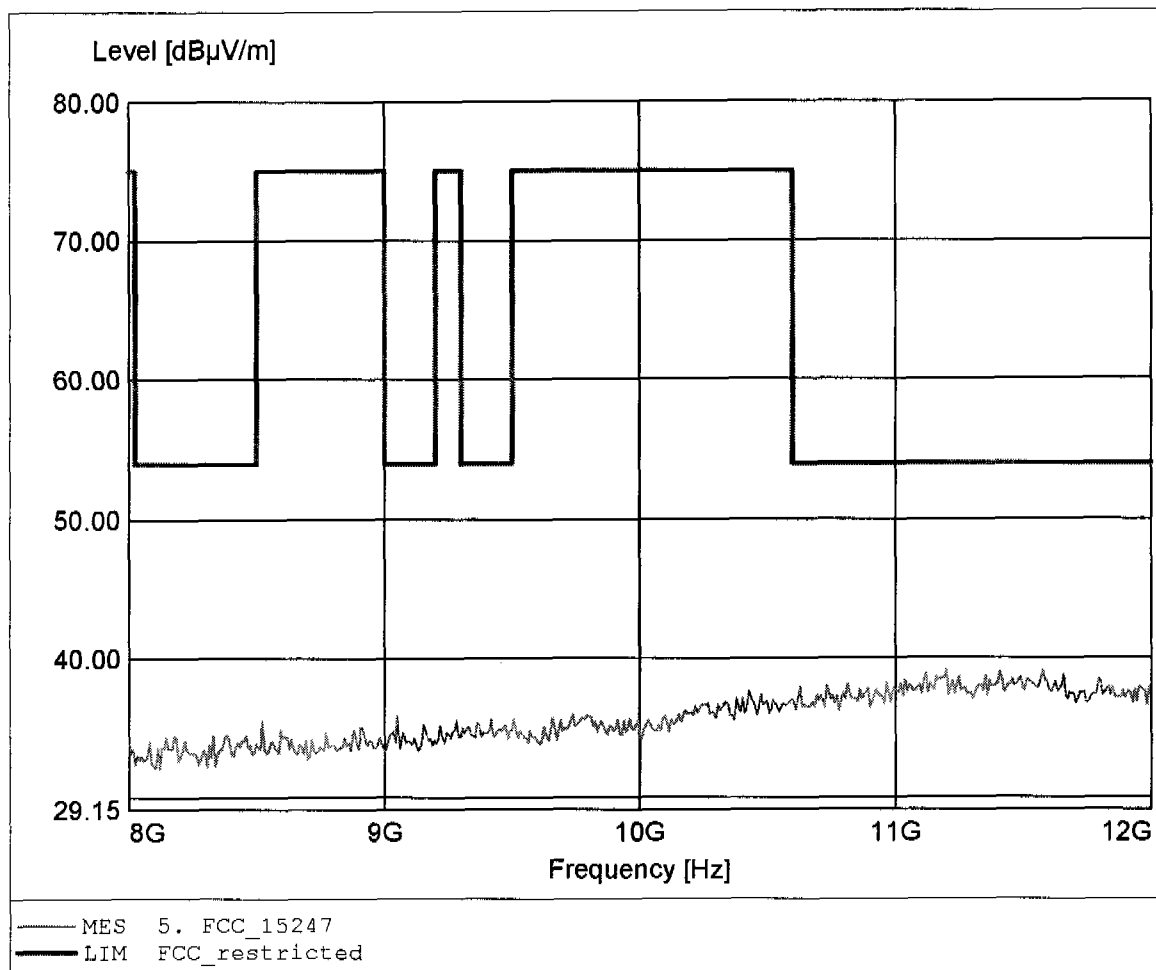
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EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE     /     ZDM-A1281-B0
Mode:                 Channel: 11     /     2405 MHz / Ant. 1
Test Site / Operator: ETS     /   Mr. Schlaps
Test Condition:       25°C    /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:            Freq: 4.810GHz, Emax: 53.81dBµV/m, RBW: 1MHz



——— MES  4. FCC_15247
——— LIM  FCC_restricted

Page 1/1   09.03.2007  14:12   Overview / Antenna vertical

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
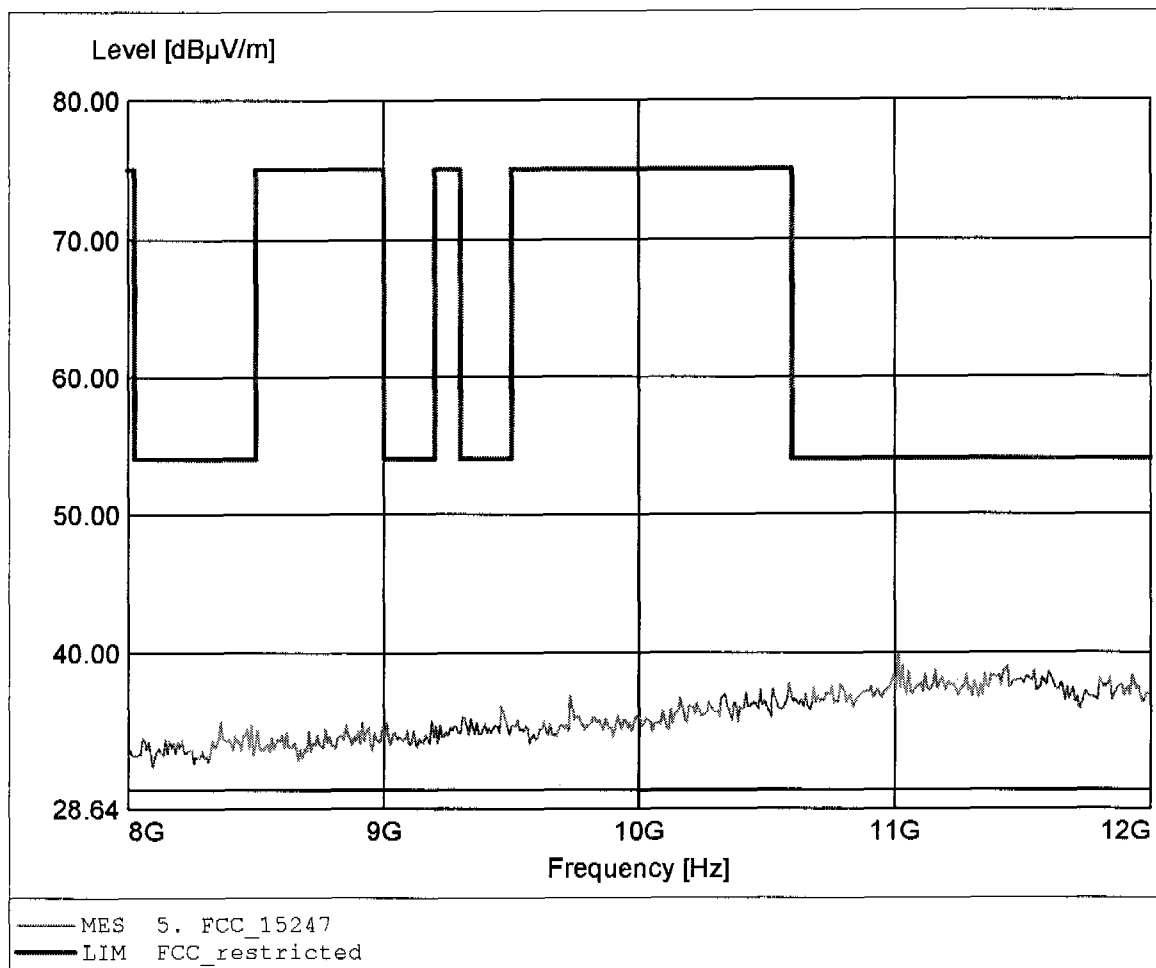
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE    /    ZDM-A1281-B0
Mode:                 Channel: 11    /    2405 MHz / Ant. 1
Test Site / Operator: ETS    /   Mr. Schlaps
Test Condition:       25°C   /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:            Freq: 6.814GHz, Emax: 45.79dBµV/m, RBW: 1MHz



```
———— MES  4. FCC_15247
————— LIM  FCC_restricted
```

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
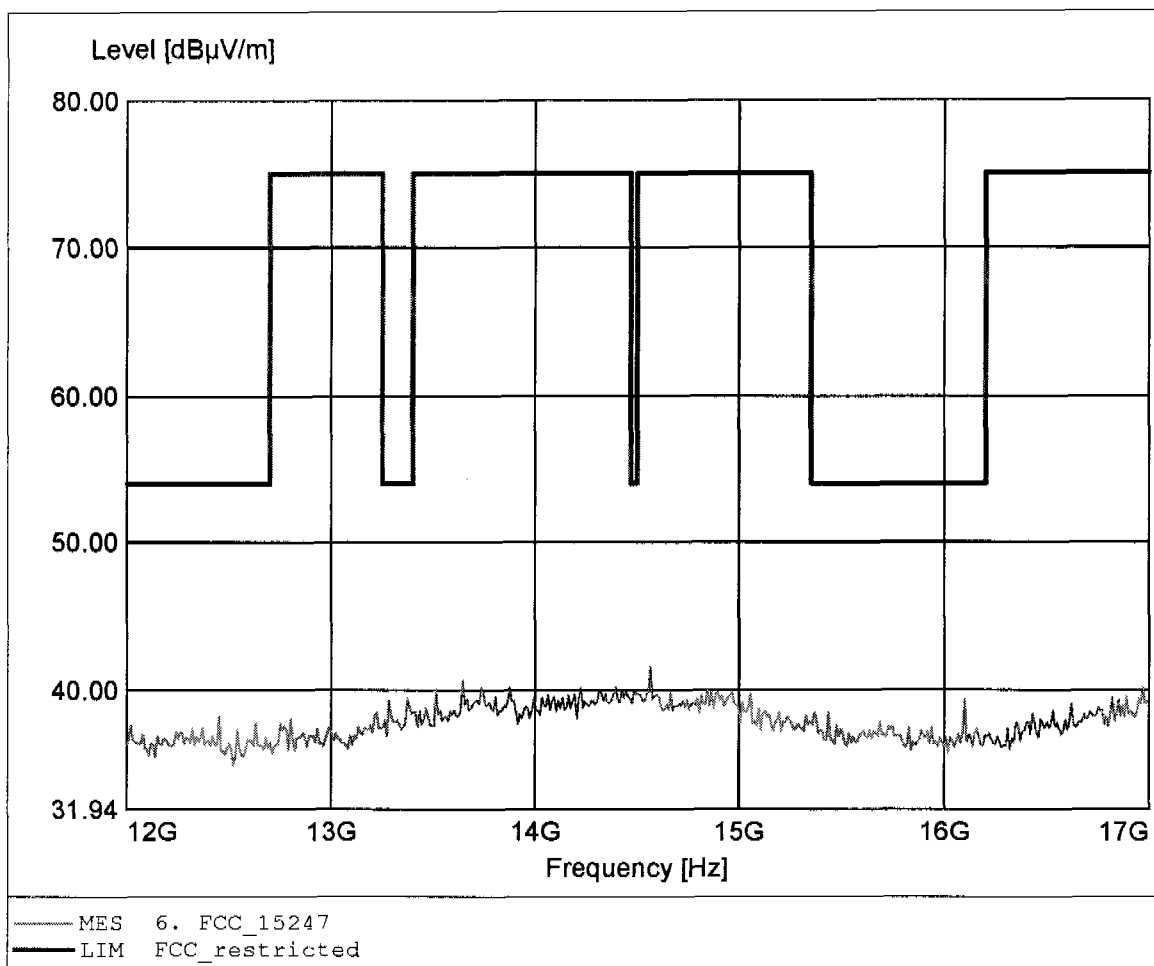
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator: ETS     /   Mr. Schlaps
Test Condition:       25°C    /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:            Freq: 11.198GHz, Emax: 39.11dBµV/m, RBW: 1MHz



- - - - MES  5. FCC_15247
──── LIM  FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
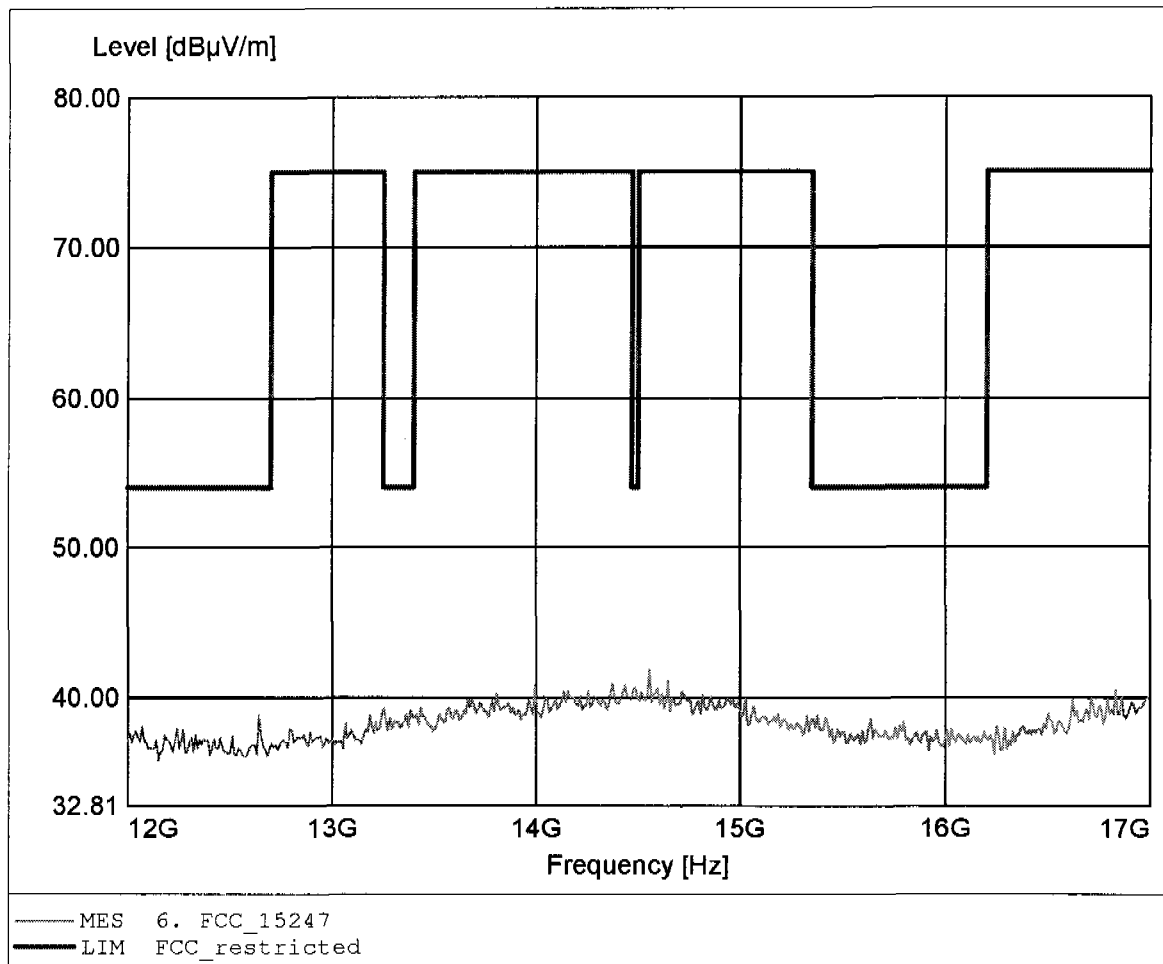
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                  Channel: 11       /       2405 MHz / Ant. 1
Test Site / Operator:  ETS       /   Mr. Schlaps
Test Condition:        25°C      /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 11.014GHz, Emax: 39.87dBμV/m, RBW: 1MHz



MES  5. FCC_15247
LIM  FCC_restricted

Page 1/1   09.03.2007  14:14   Overview / Antenna vertical

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
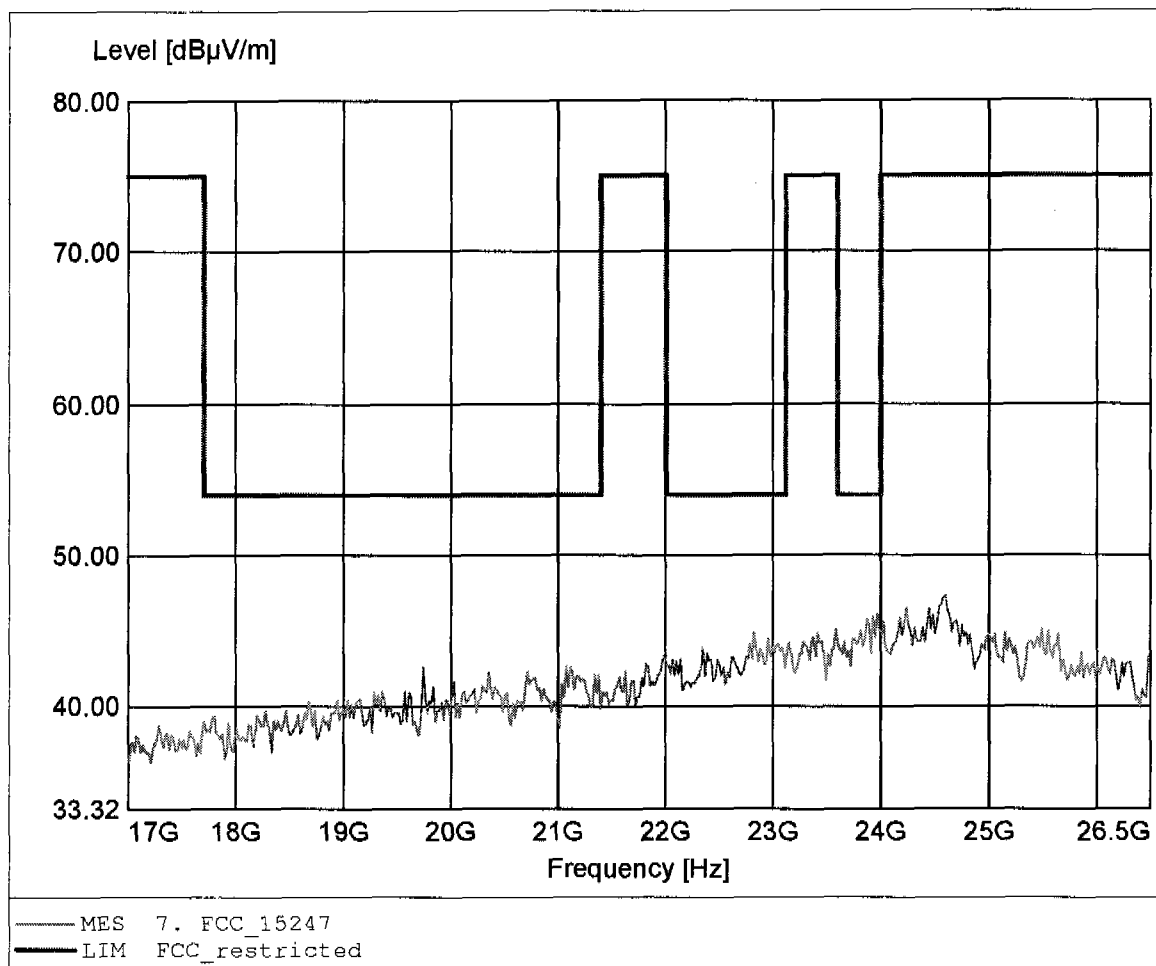
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT  /   Model:        2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /      ZDM-A1281-B0
Mode:                  Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator: ETS     /    Mr. Schlaps
Test Condition:        25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 14.565GHz, Emax: 41.55dBµV/m, RBW: 1MHz



Level [dBµV/m] vs Frequency [Hz]

MES  6. FCC_15247
LIM  FCC_restricted

## Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
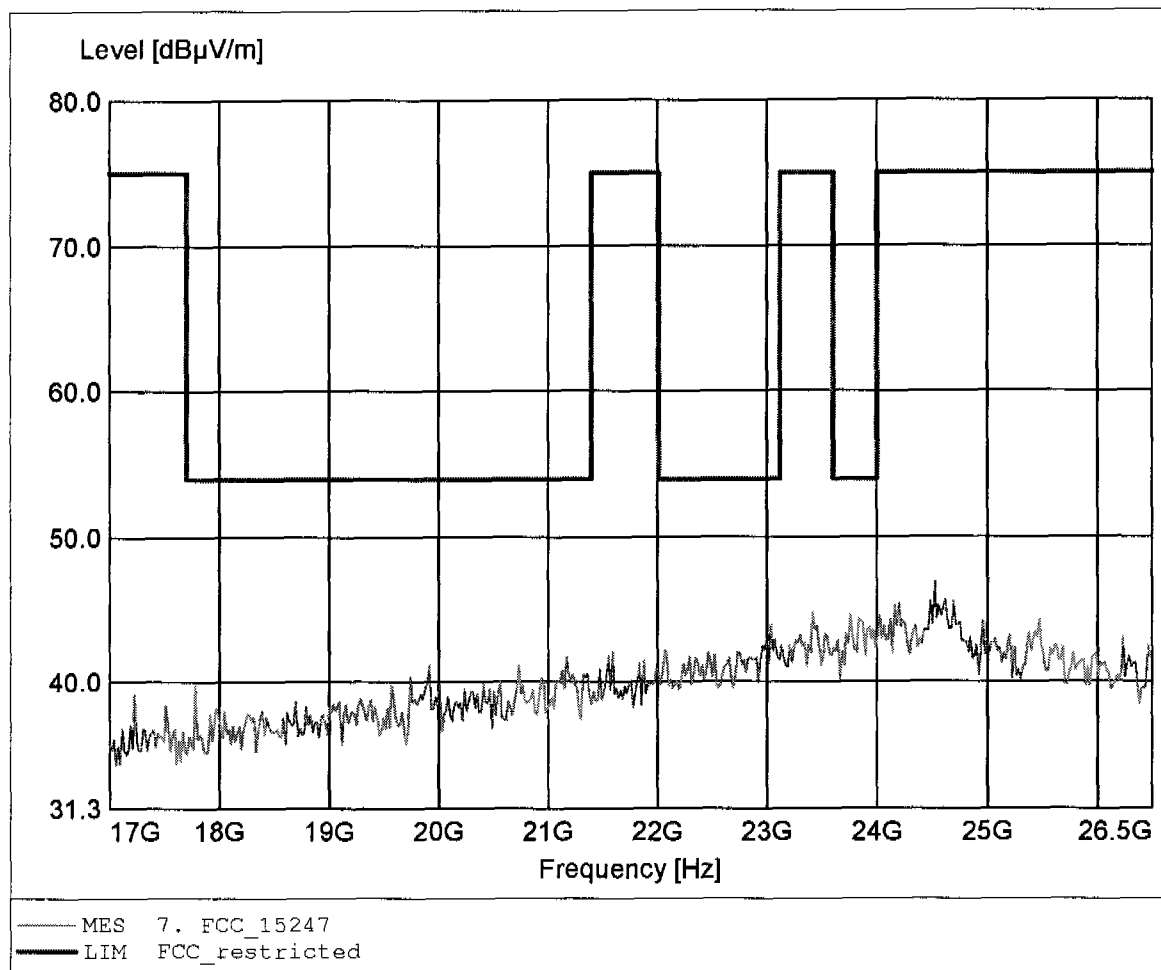
Approval Holder:     LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:     2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE        /      ZDM-A1281-B0
Mode:                Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator: ETS     /    Mr. Schlaps
Test Condition:      25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:  according to §15.247, peak detector
Comment 1:           Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:           Freq: 14.555GHz, Emax: 41.90dBµV/m, RBW: 1MHz



MES   6. FCC_15247
LIM   FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
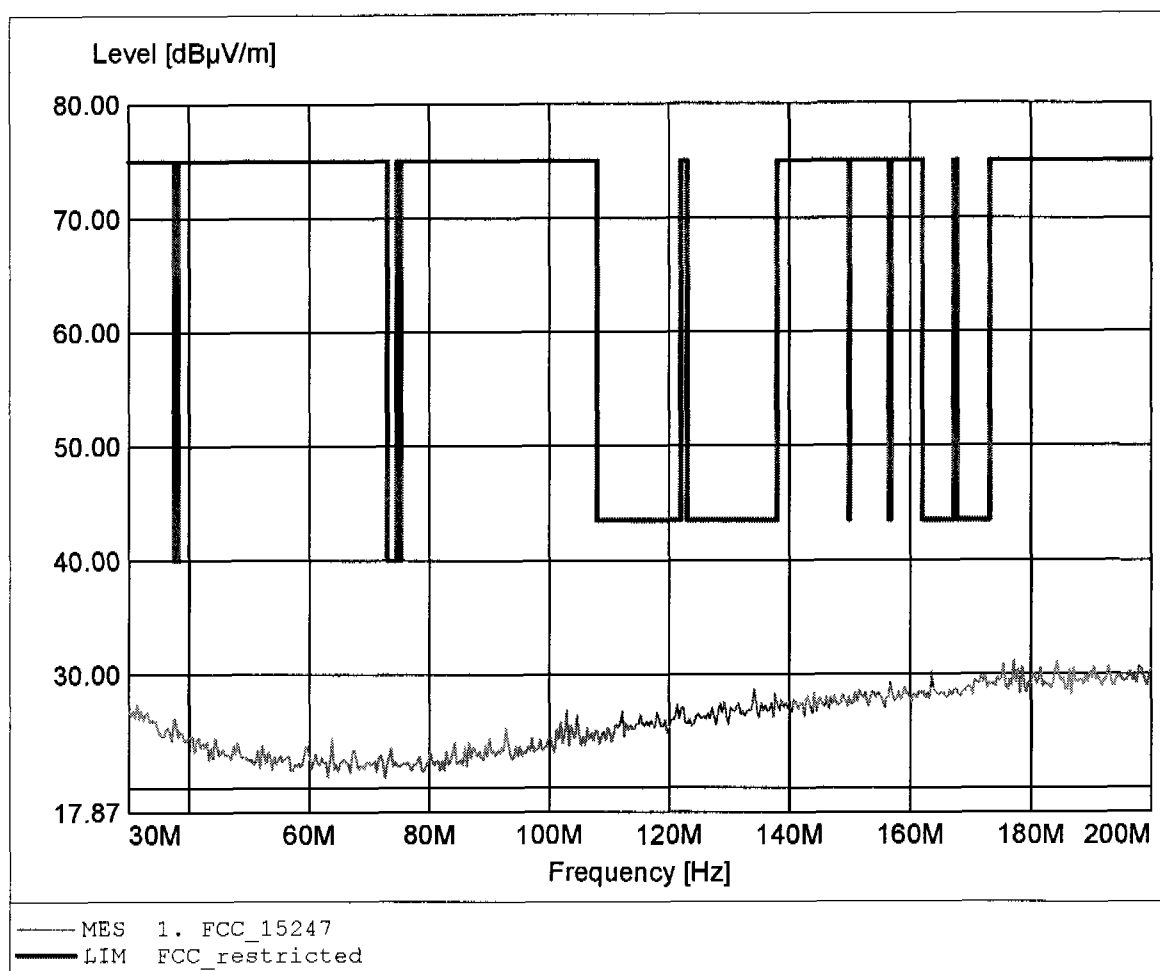
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                 Channel: 11       /       2405 MHz / Ant. 1
Test Site / Operator: ETS      /    Mr. Schlaps
Test Condition:       25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: HL025, amplif.
Comment 2:            Freq: 24.596GHz, Emax: 47.29dBµV/m, RBW: 1MHz



Page 1/1   09.03.2007  14:17   Overview / Antenna vertical

## Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
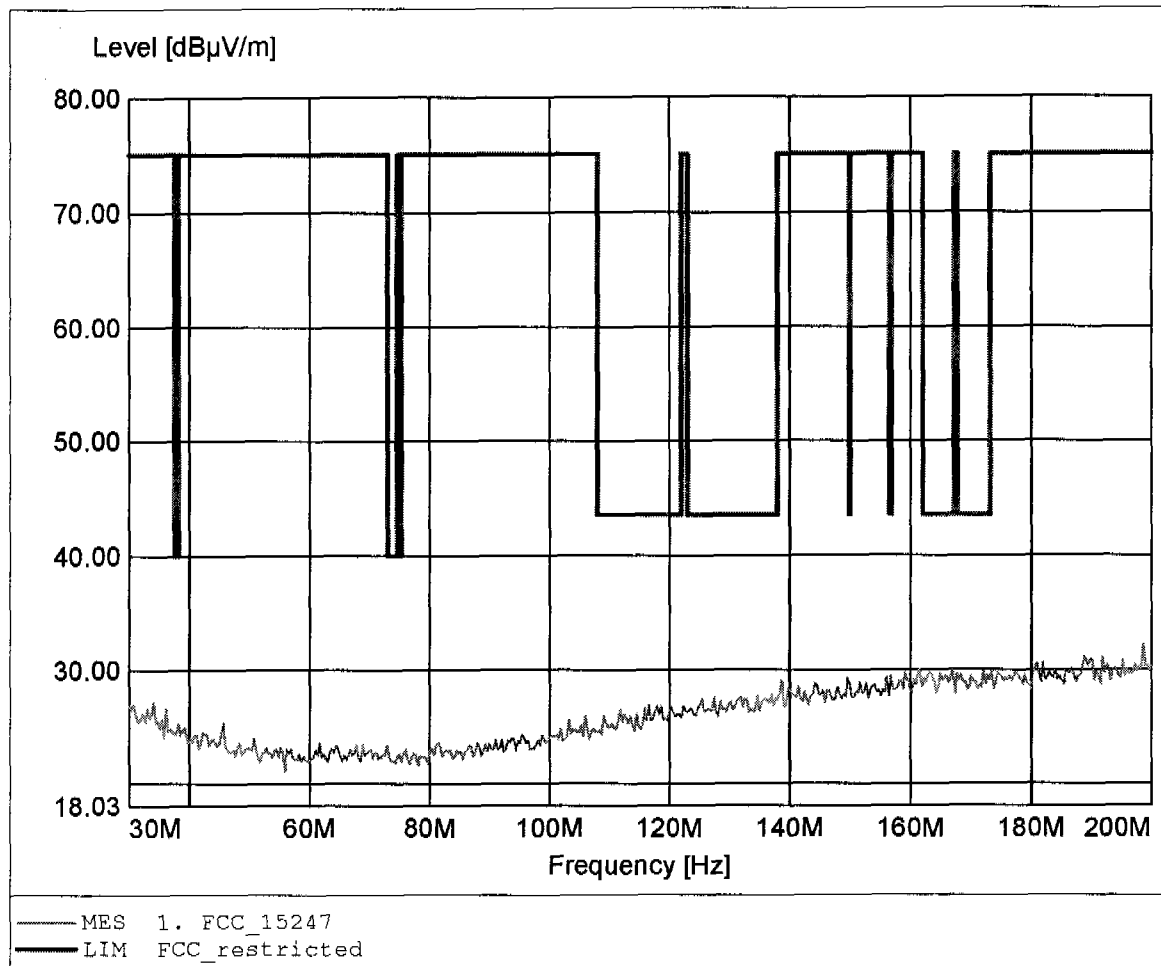
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 11      /      2405 MHz / Ant. 1
Test Site / Operator: ETS      /   Mr. Schlaps
Test Condition:       25°C     /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: HL025, amplif.
Comment 2:            Freq: 24.520GHz, Emax: 46.92dBµV/m, RBW: 1MHz



MES  7. FCC_15247
LIM  FCC_restricted

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
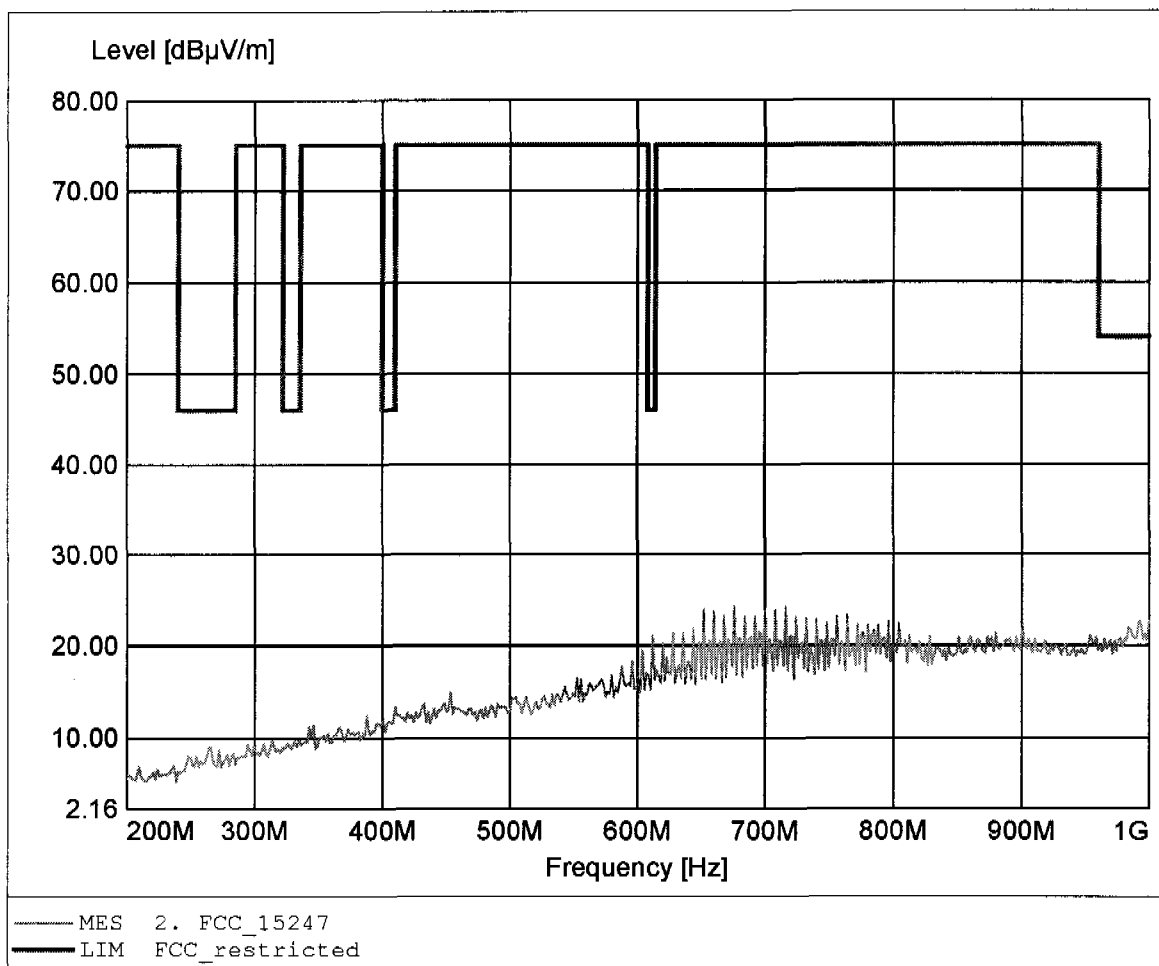
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                 Channel: 19       /       2445 MHz / Ant. 1
Test Site / Operator: ETS       /    Mr. Schlaps
Test Condition:       25°C      /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247
Comment 1:            Dist.: 3m, Ant.: HK 116
Comment 2:            Freq: 177.174MHz, Emax: 31.20dBµV/m, RBW: 100kHz



----- MES  1. FCC_15247
——— LIM  FCC_restricted

## Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
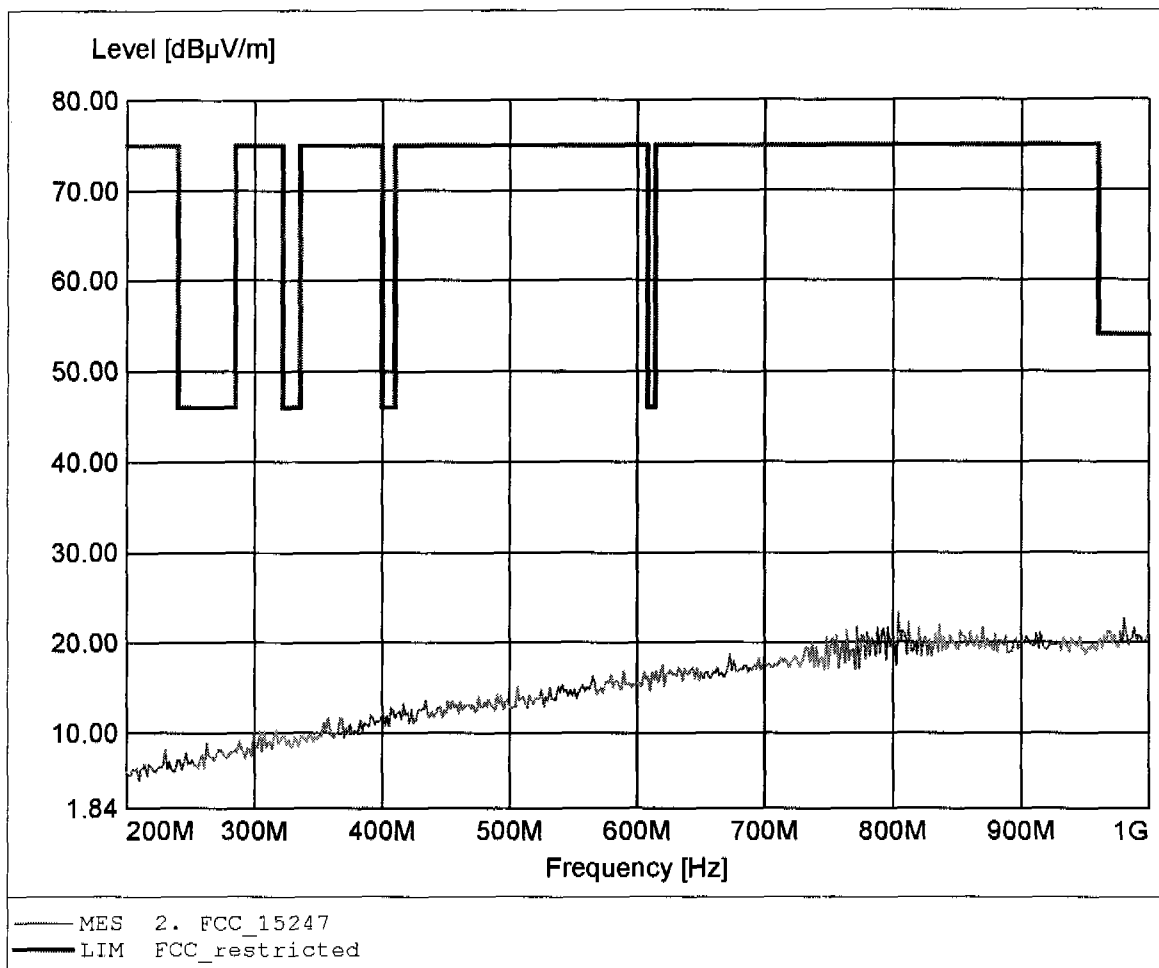
Approval Holder:     LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:     2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE     /     ZDM-A1281-B0
Mode:                Channel: 19     /     2445 MHz / Ant. 1
Test Site / Operator: ETS     /     Mr. Schlaps
Test Condition:      25°C     /     Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:  according to §15.247
Comment 1:           Dist.: 3m, Ant.: HK 116
Comment 2:           Freq: 198.637MHz, Emax: 32.25dBµV/m, RBW: 100kHz



MES  1. FCC_15247
LIM  FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
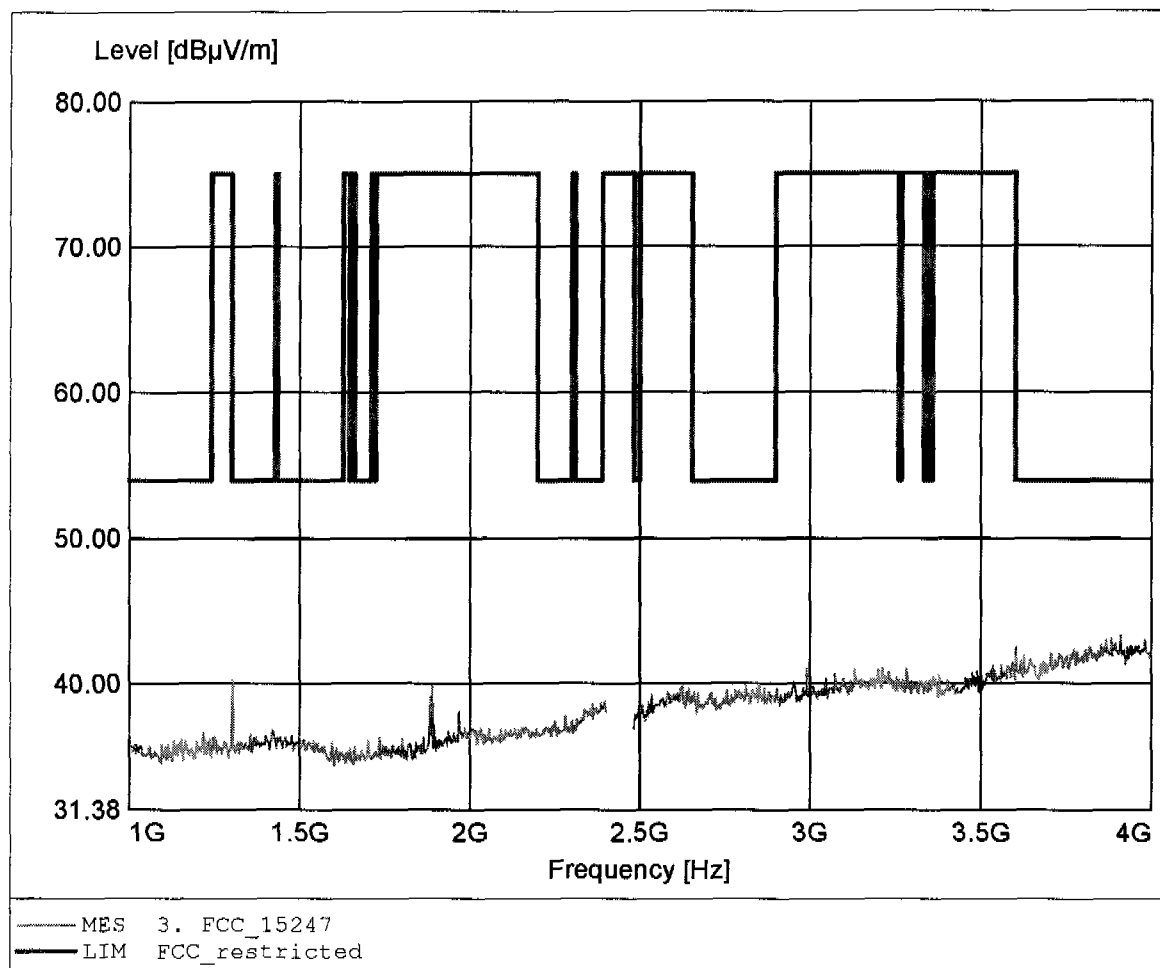
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT  /  Model:         2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                  Channel: 19      /       2445 MHz / Ant. 1
Test Site / Operator:  ETS     /   Mr. Schlaps
Test Condition:        25°C    /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL 223, amplif.
Comment 2:             Freq: 716.232MHz, Emax: 24.26dBµV/m, RBW: 100kHz



Level [dBµV/m]

MES   2. FCC_15247
LIM   FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
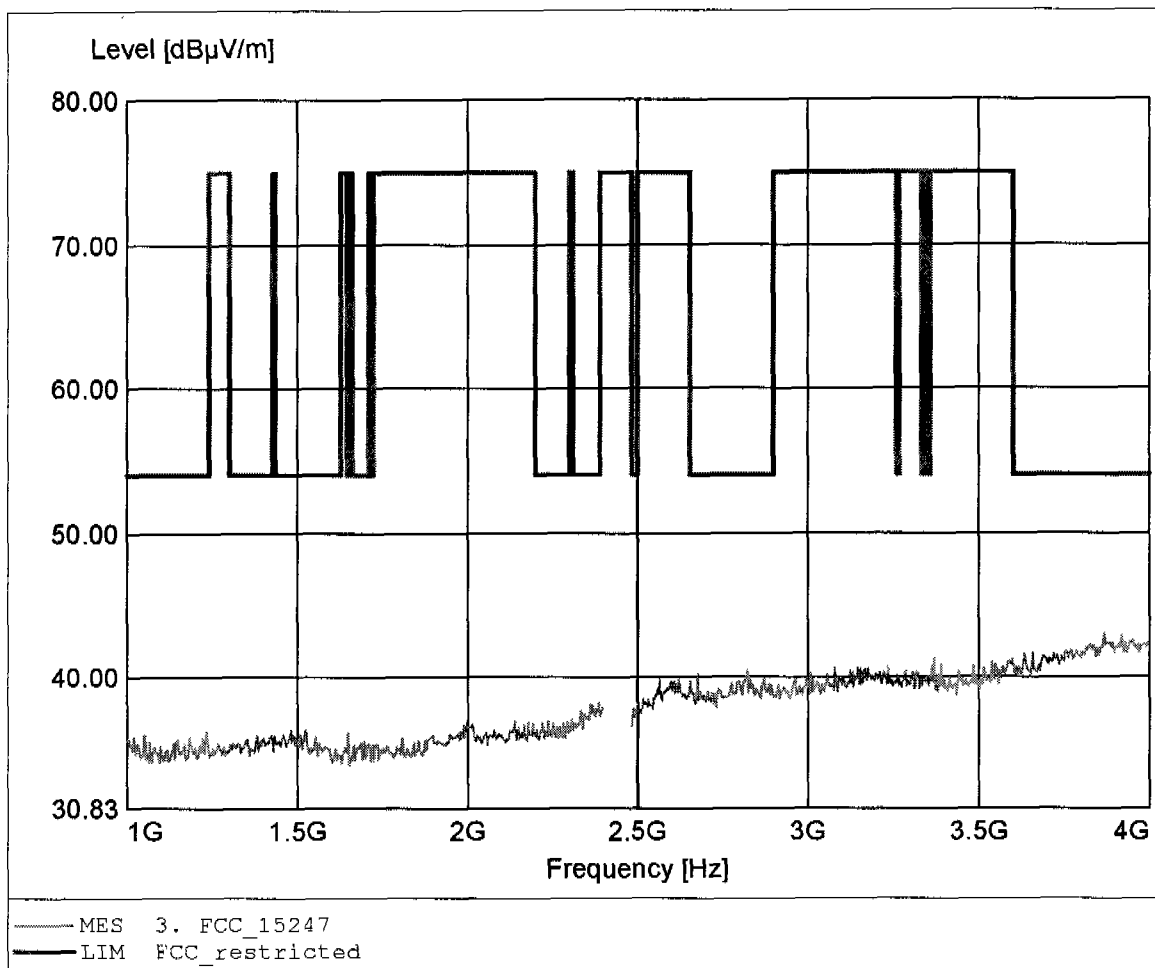
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                  Channel: 19       /       2445 MHz / Ant. 1
Test Site / Operator:  ETS       /   Mr. Schlaps
Test Condition:        25°C      /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL 223, amplif.
Comment 2:             Freq: 804.409MHz, Emax: 23.34dBµV/m, RBW: 100kHz



Page 1/1   09.03.2007  14:34   Overview / Antenna vertical

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
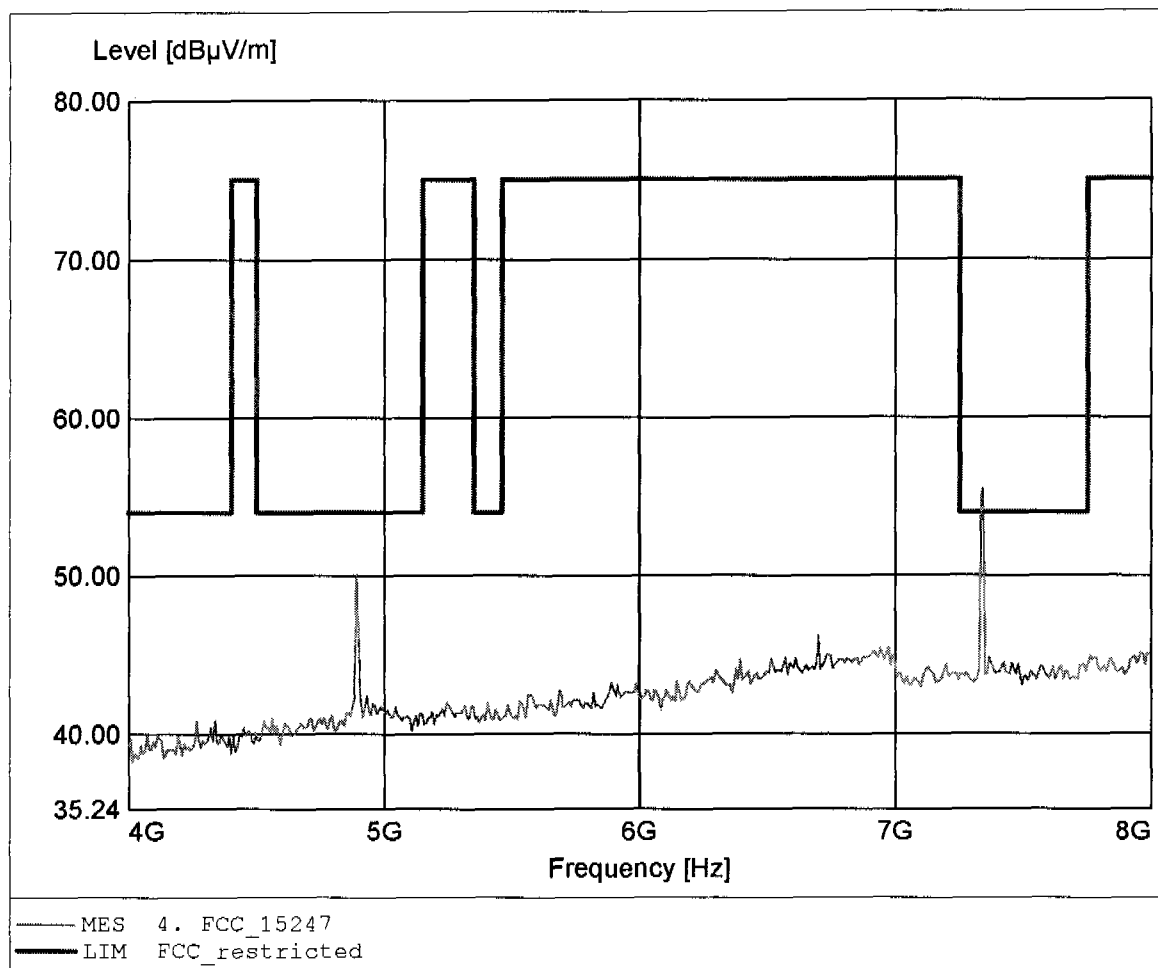
Approval Holder:        LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE     /      ZDM-A1281-B0
Mode:                 Channel: 19      /      2445 MHz / Ant. 1
Test Site / Operator: ETS     /    Mr. Schlaps
Test Condition:       25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:           Dist.: 3m, Ant.: BBHA9120D, amplif., notch-filter
Comment 2:           Freq: 3.909GHz, Emax: 43.31dBµV/m, RBW: 1MHz



MES 3. FCC_15247
LIM FCC_restricted

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
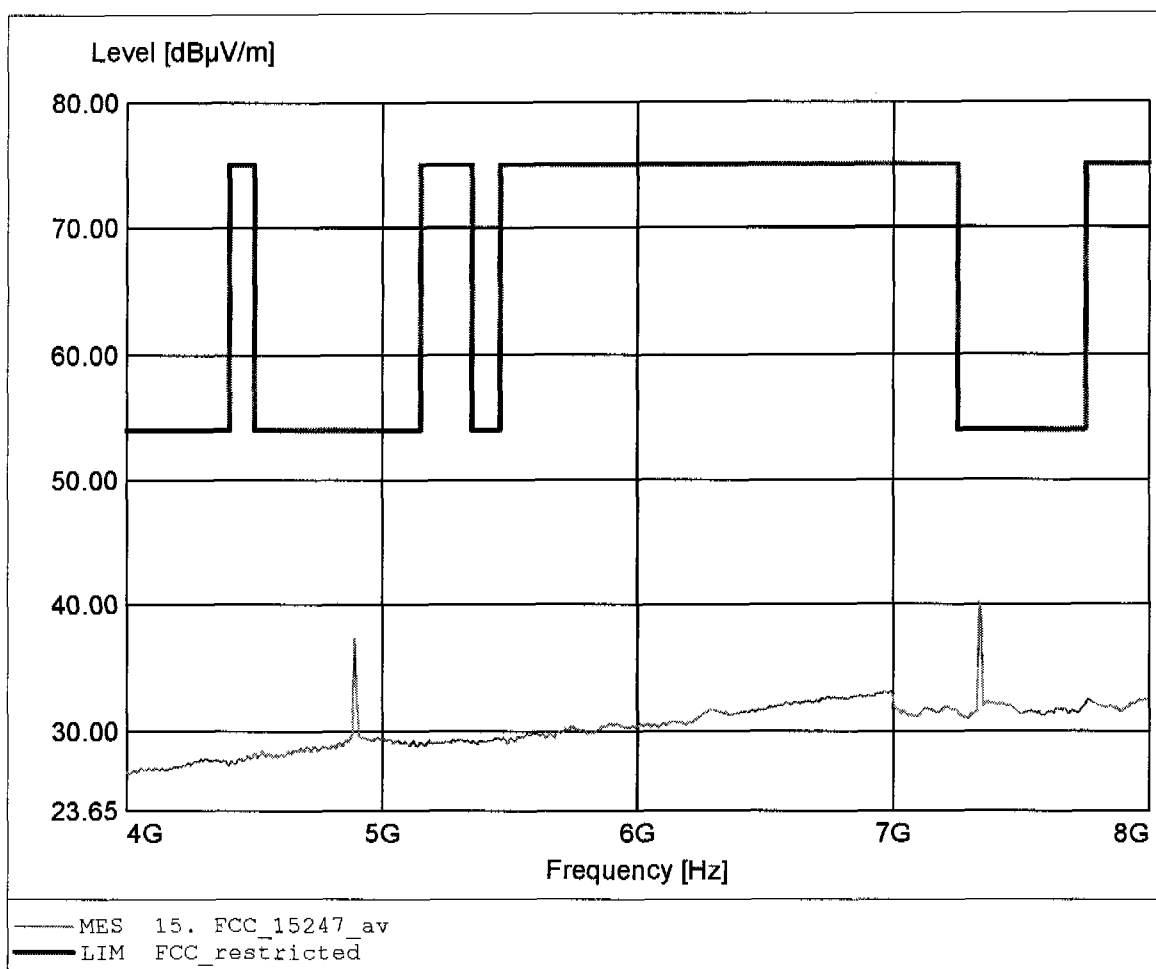
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 19      /      2445 MHz / Ant. 1
Test Site / Operator: ETS      /    Mr. Schlaps
Test Condition:       25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, amplif., notch-filter
Comment 2:            Freq: 3.866GHz, Emax: 43.02dBµV/m, RBW: 1MHz



MES   3. FCC_15247
LIM   FCC_restricted

Page 1/1   09.03.2007   12:40   Overview / Antenna horizontal

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
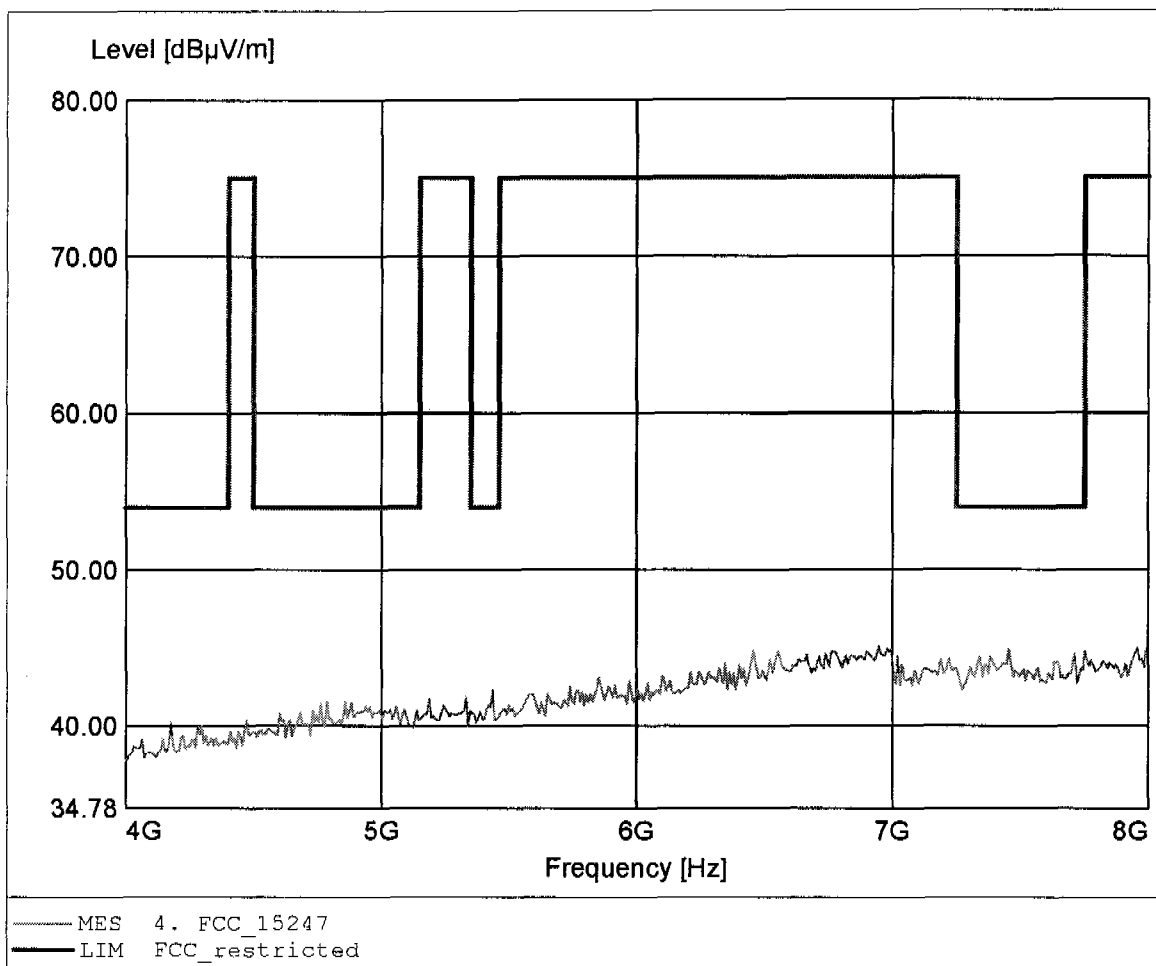
Approval Holder:     LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:     2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                Channel: 19      /       2445 MHz / Ant. 1
Test Site / Operator: ETS      /    Mr. Schlaps
Test Condition:      25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:  according to §15.247, peak detector
Comment 1:           Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:           Freq: 7.343GHz, Emax: 55.45dBµV/m, RBW: 1MHz



MES   4. FCC_15247
LIM   FCC_restricted

Page 1/1   09.03.2007   14:00   Overview / Antenna vertical

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*

| | |
|---|---|
| Approval Holder: | LUXLABS LTD. DBA MESHNETICS |
| EUT / Model: | 2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE / ZDM-A1281-B0 |
| Mode: | Channel: 19 / 2445 MHz / Ant. 1 |
| Test Site / Operator: | ETS / Mr. Schlaps |
| Test Condition: | 25°C / Unom.: 2 x 1.5 V DC (BATTERY) |
| Test Specification: | according to §15.247, average detector |
| Comment 1: | Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. |
| Comment 2: | Freq: 7.335GHz, Emax: 40.19dBµV/m, RBW: 1MHz |

## Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
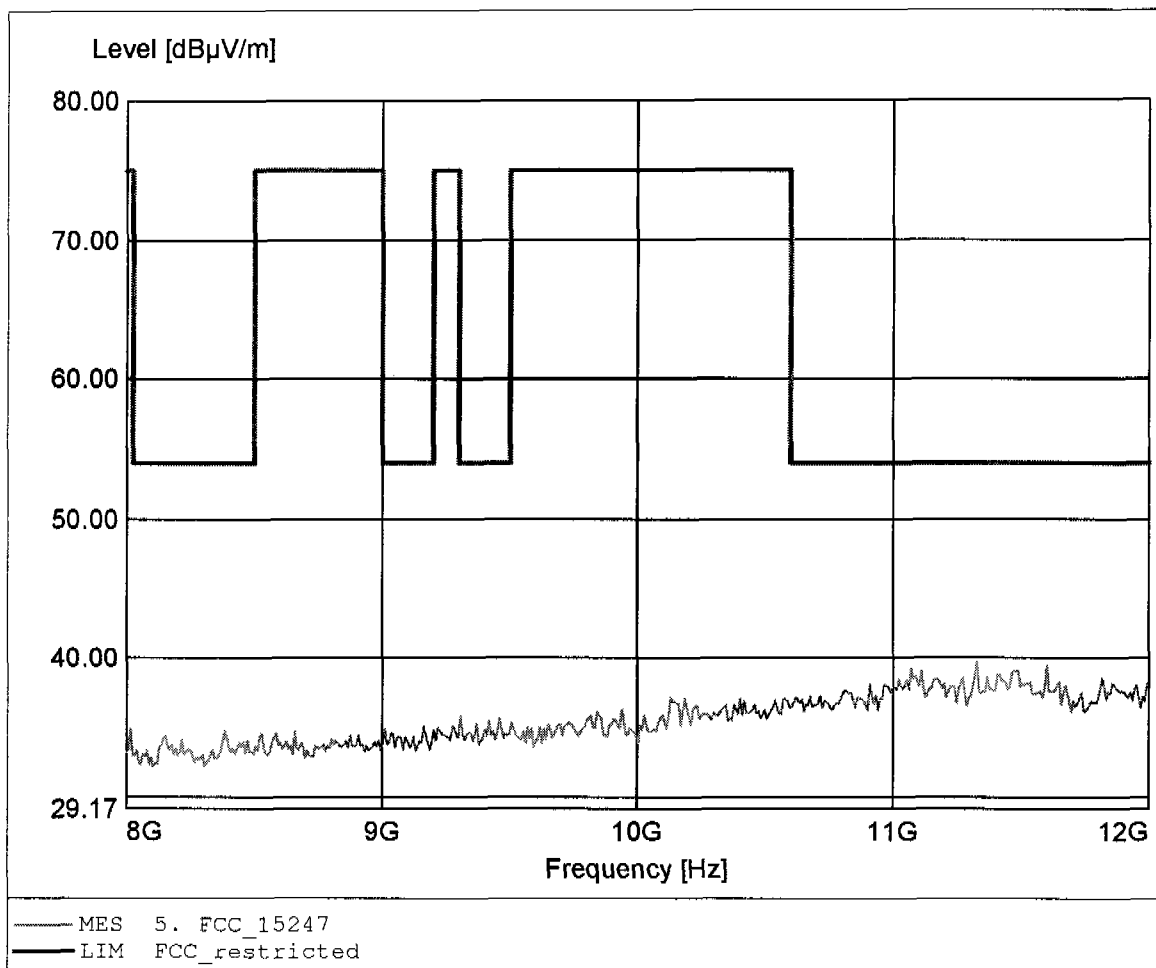
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                  Channel: 19       /       2445 MHz / Ant. 1
Test Site / Operator:  ETS     /   Mr. Schlaps
Test Condition:        25°C    /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 6.950GHz, Emax: 45.04dBµV/m, RBW: 1MHz



MES  4. FCC_15247
LIM  FCC_restricted

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
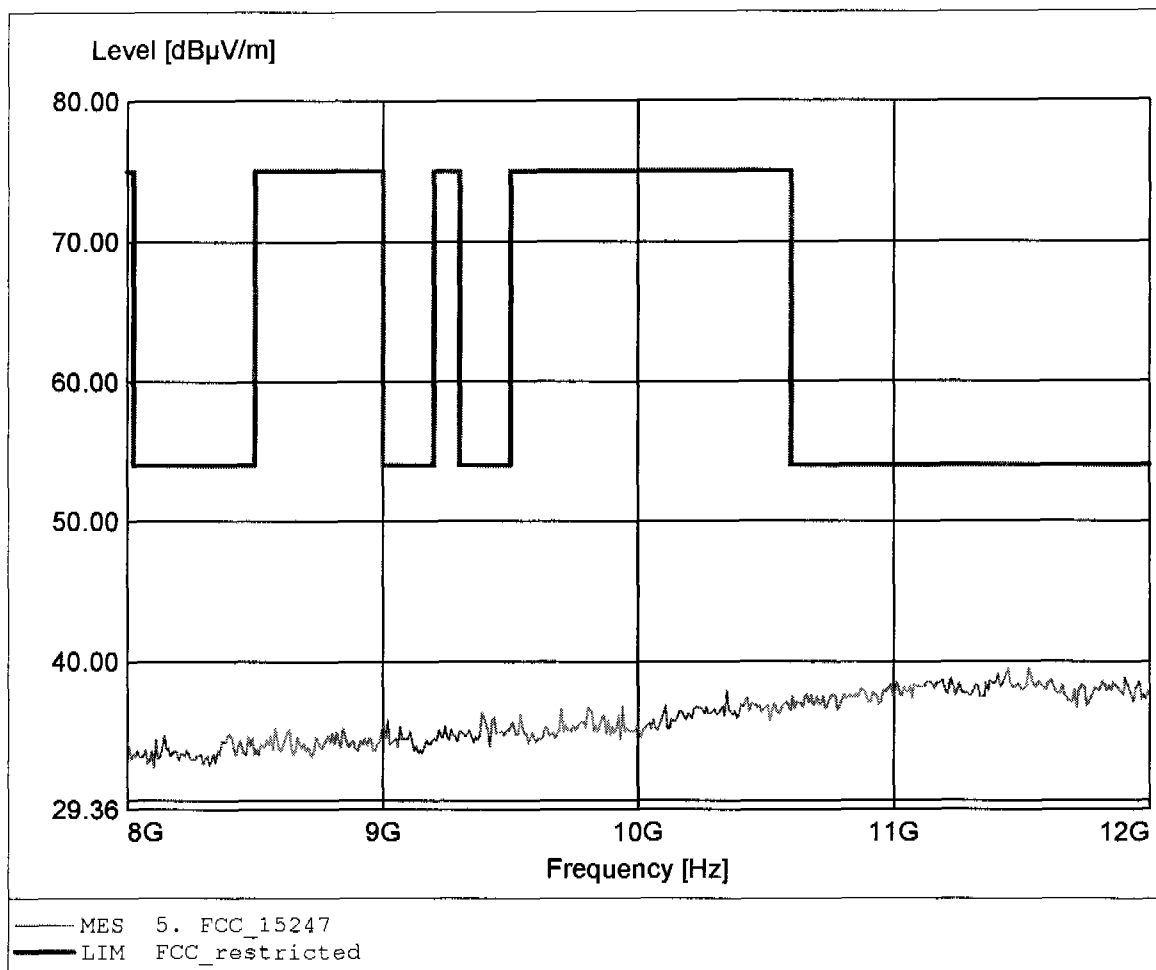
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                  Channel: 19      /       2445 MHz / Ant. 1
Test Site / Operator:  ETS      /    Mr. Schlaps
Test Condition:        25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 11.327GHz, Emax: 39.70dBµV/m, RBW: 1MHz



MES  5. FCC_15247
LIM  FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
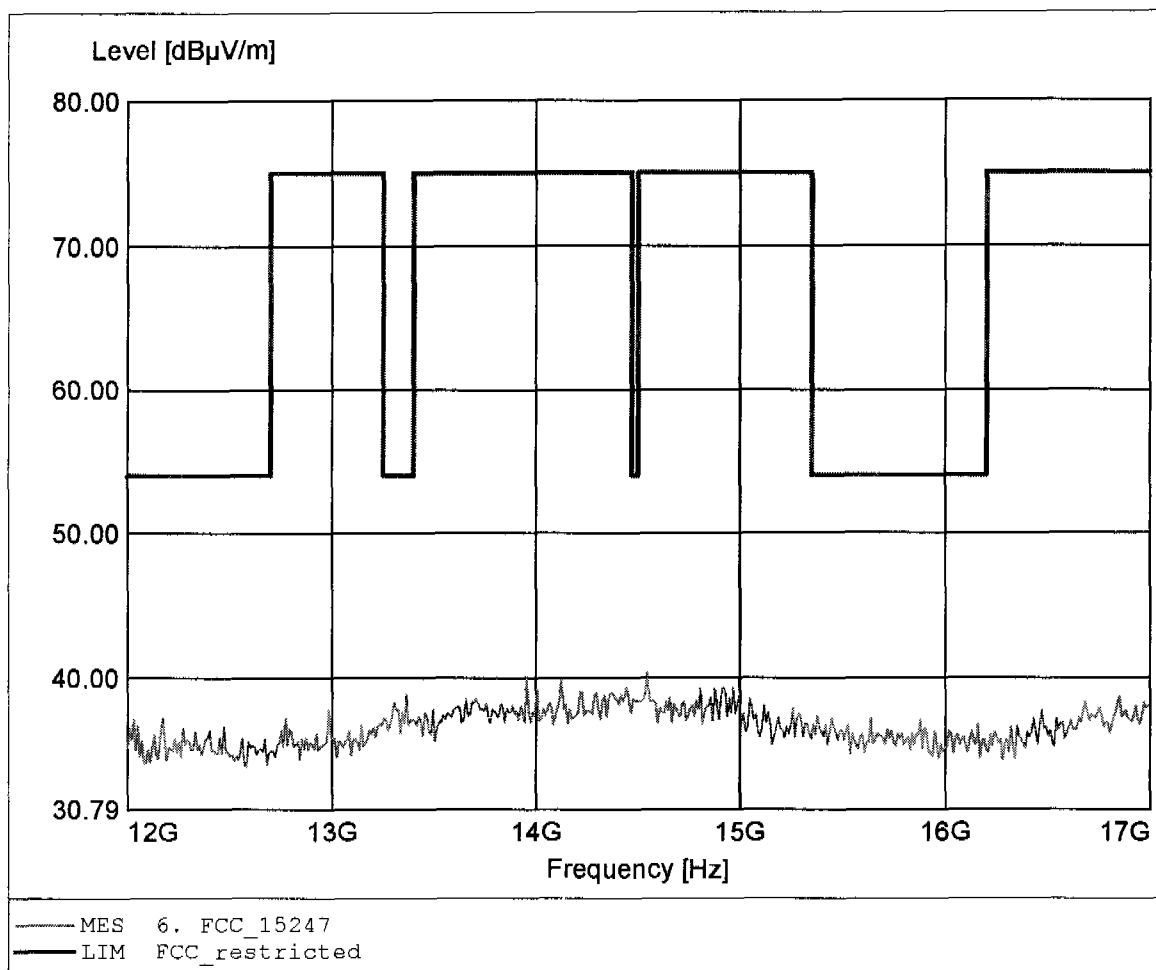
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 19      /      2445 MHz / Ant. 1
Test Site / Operator: ETS      /   Mr. Schlaps
Test Condition:       25°C     /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:            Freq: 11.527GHz, Emax: 39.54dBµV/m, RBW: 1MHz



———— MES  5. FCC_15247
———— LIM  FCC_restricted

Page 1/1   09.03.2007  13:55   Overview / Antenna vertical

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
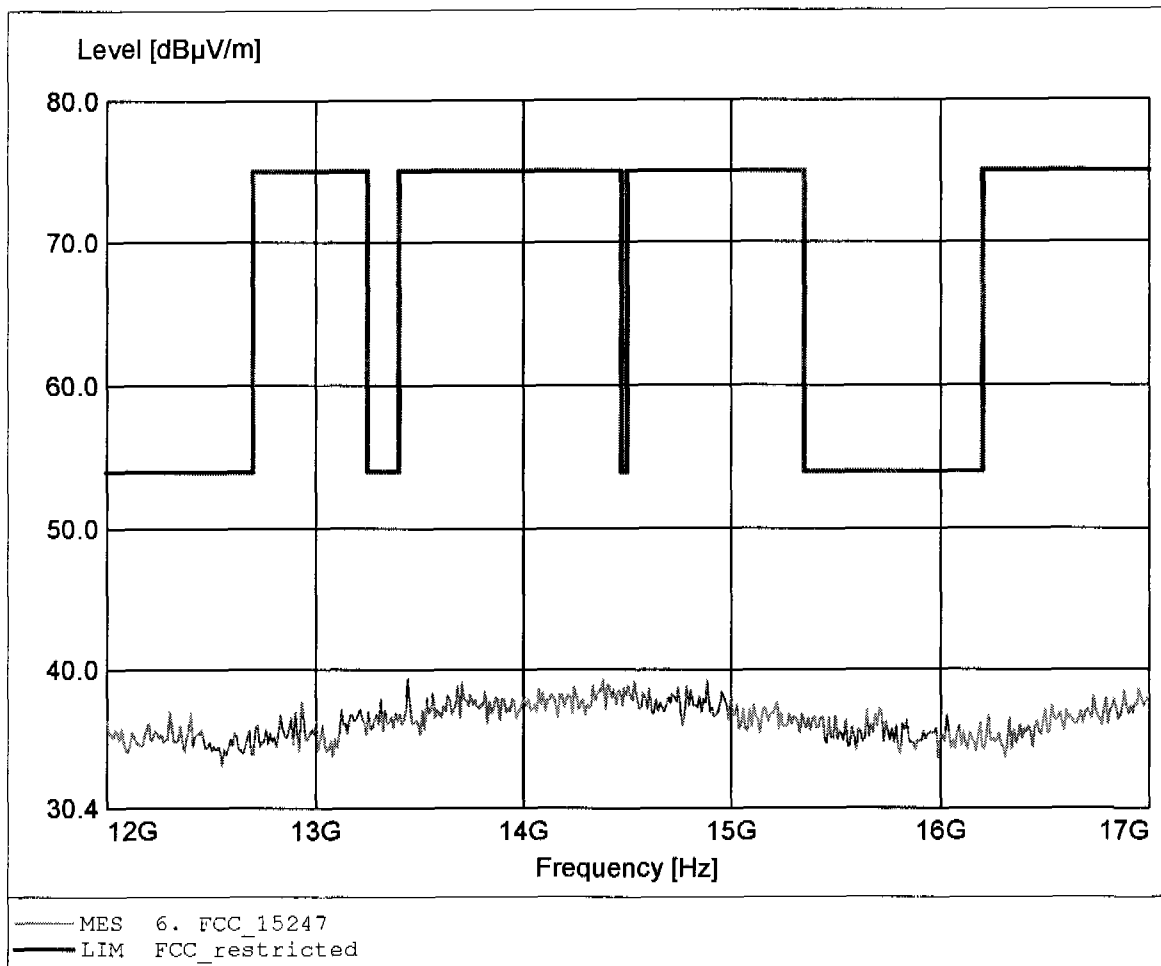
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 19      /      2445 MHz / Ant. 1
Test Site / Operator: ETS      /    Mr. Schlaps
Test Condition:       25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:            Freq: 14.545GHz, Emax: 40.34dBµV/m, RBW: 1MHz



MES   6. FCC_15247
LIM   FCC_restricted

Page 1/1   09.03.2007  13:50   Overview / Antenna vertical

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
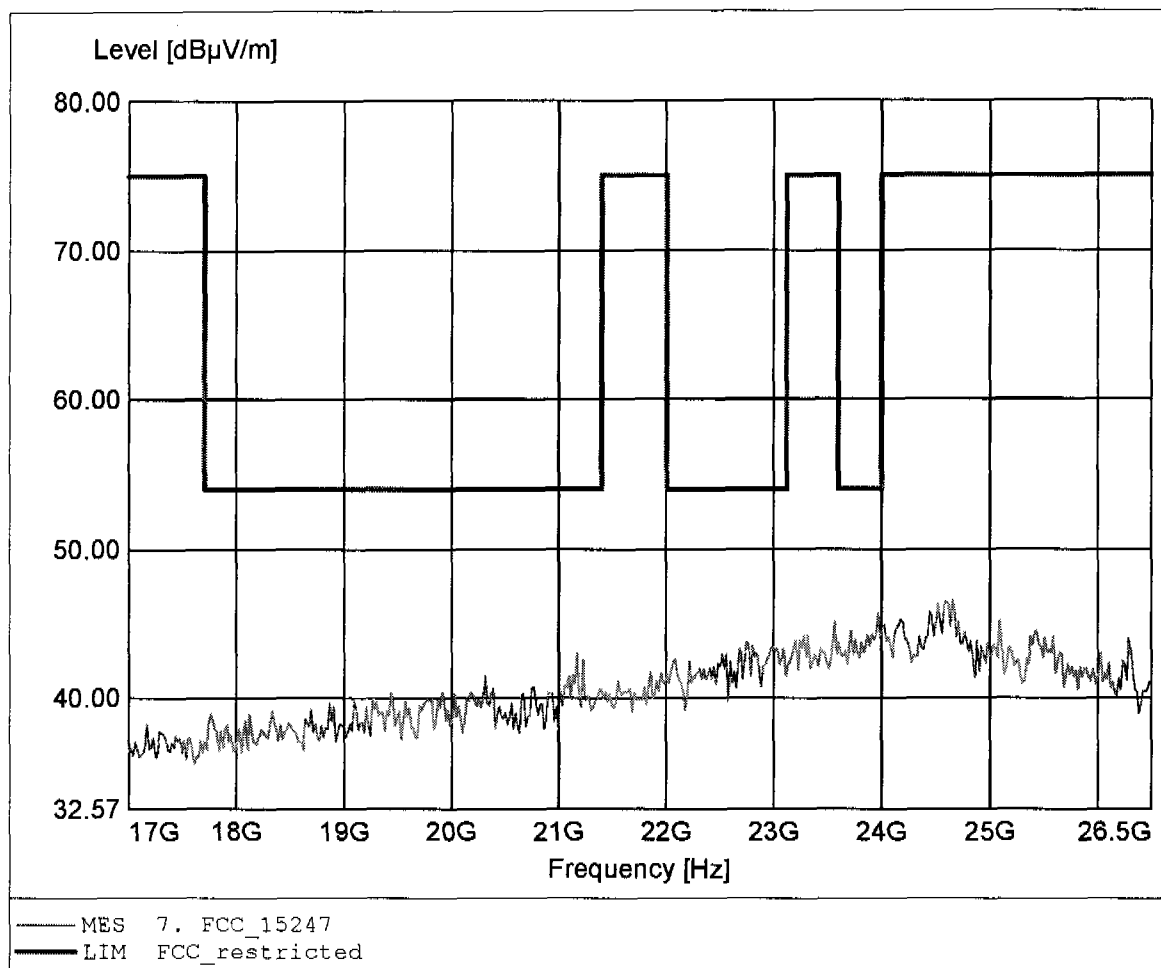
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 19      /      2445 MHz / Ant. 1
Test Site / Operator: ETS      /   Mr. Schlaps
Test Condition:       25°C     /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:            Freq: 13.443GHz, Emax: 39.35dBµV/m, RBW: 1MHz



Level [dBµV/m] vs Frequency [Hz]

————— MES   6. FCC_15247
————— LIM   FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
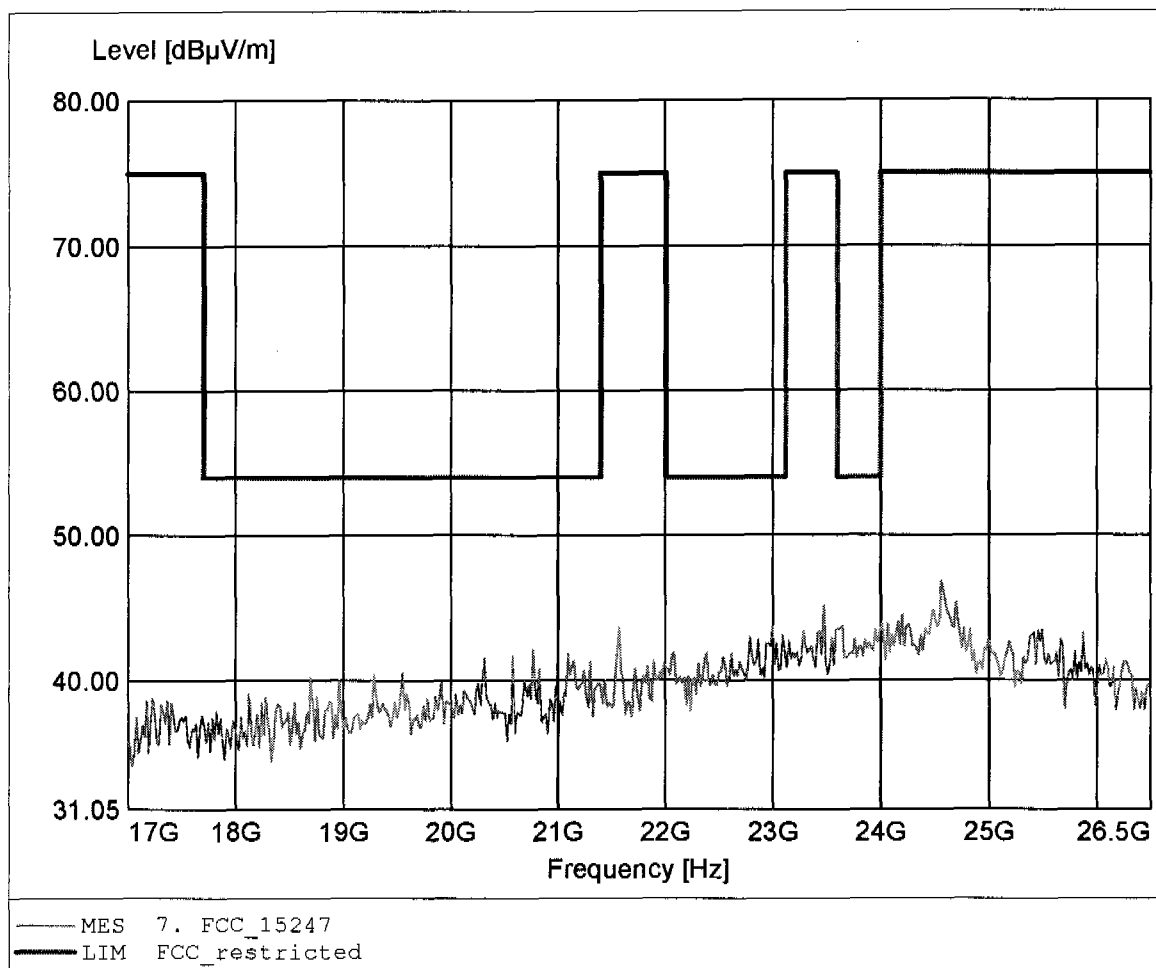
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                  Channel: 19      /      2445 MHz / Ant. 1
Test Site / Operator:  ETS      /   Mr. Schlaps
Test Condition:        25°C     /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: HL025, amplif.
Comment 2:             Freq: 24.653GHz, Emax: 46.59dBµV/m, RBW: 1MHz



Level [dBµV/m]

Frequency [Hz]

———— MES   7. FCC_15247
———— LIM   FCC_restricted

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
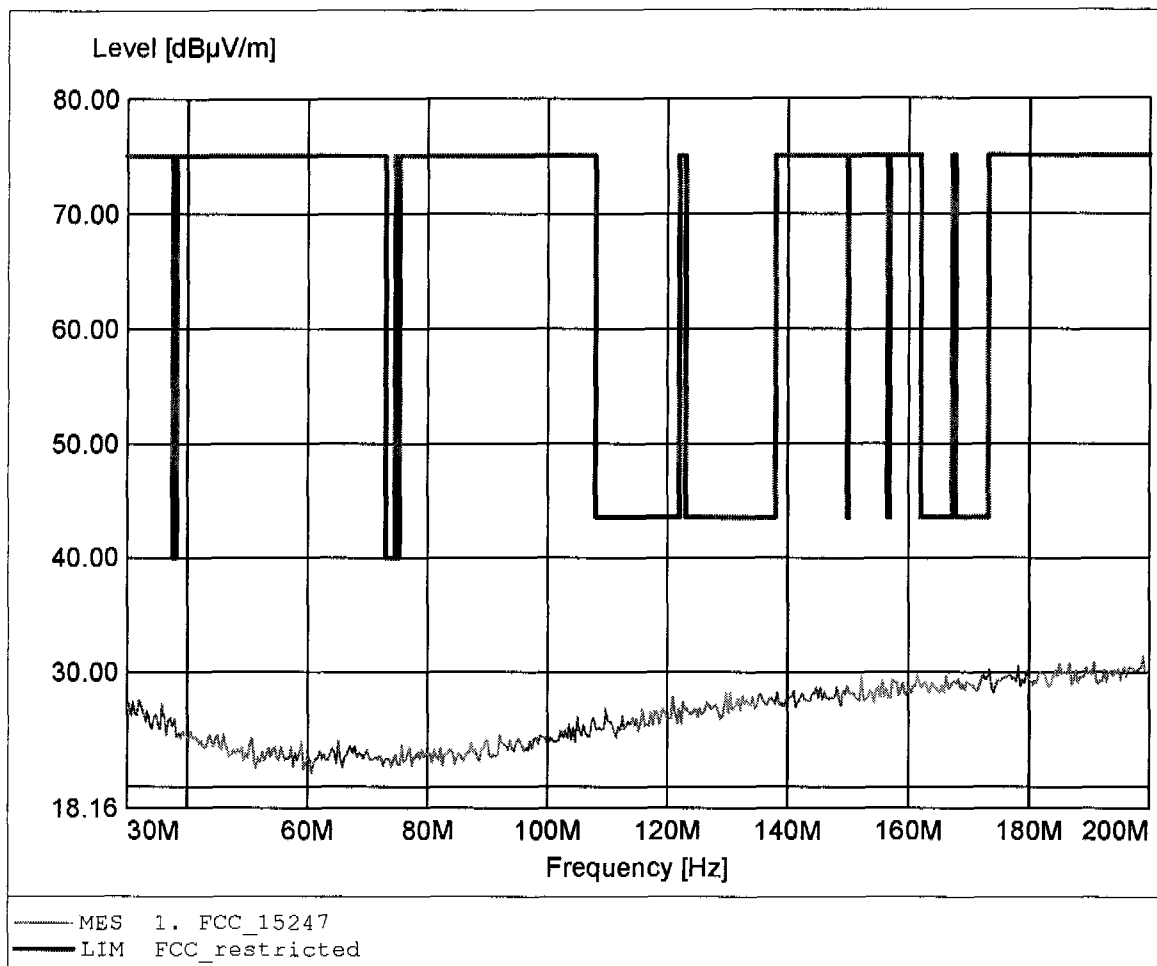
Approval Holder:          LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:          2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE        /        ZDM-A1281-B0
Mode:                     Channel: 19      /        2445 MHz / Ant. 1
Test Site / Operator:     ETS      /    Mr. Schlaps
Test Condition:           25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:       according to §15.247, peak detector
Comment 1:                Dist.: 3m, Ant.: HL025, amplif.
Comment 2:                Freq: 24.558GHz, Emax: 46.85dBµV/m, RBW: 1MHz



————MES   7. FCC_15247
———LIM   FCC_restricted

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
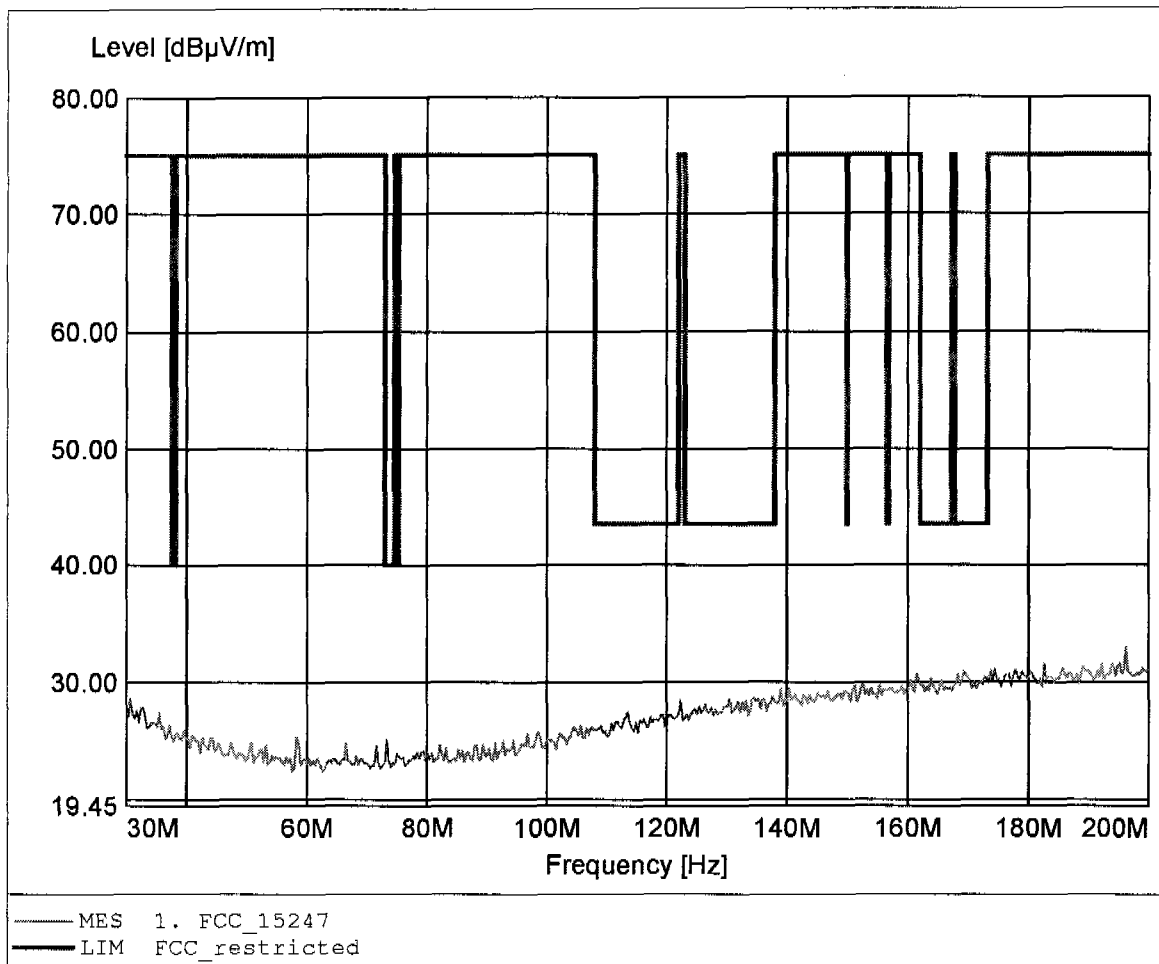
Approval Holder:        LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:        2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                   Channel: 26      /      2480 MHz / Ant. 1
Test Site / Operator:   ETS      /   Mr. Schlaps
Test Condition:         25°C     /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:     according to §15.247
Comment 1:              Dist.: 3m, Ant.: HK 116
Comment 2:              Freq: 198.978MHz, Emax: 31.41dBµV/m, RBW: 100kHz



Page 1/1   09.03.2007  14:38   Overview / Antenna vertical

# *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
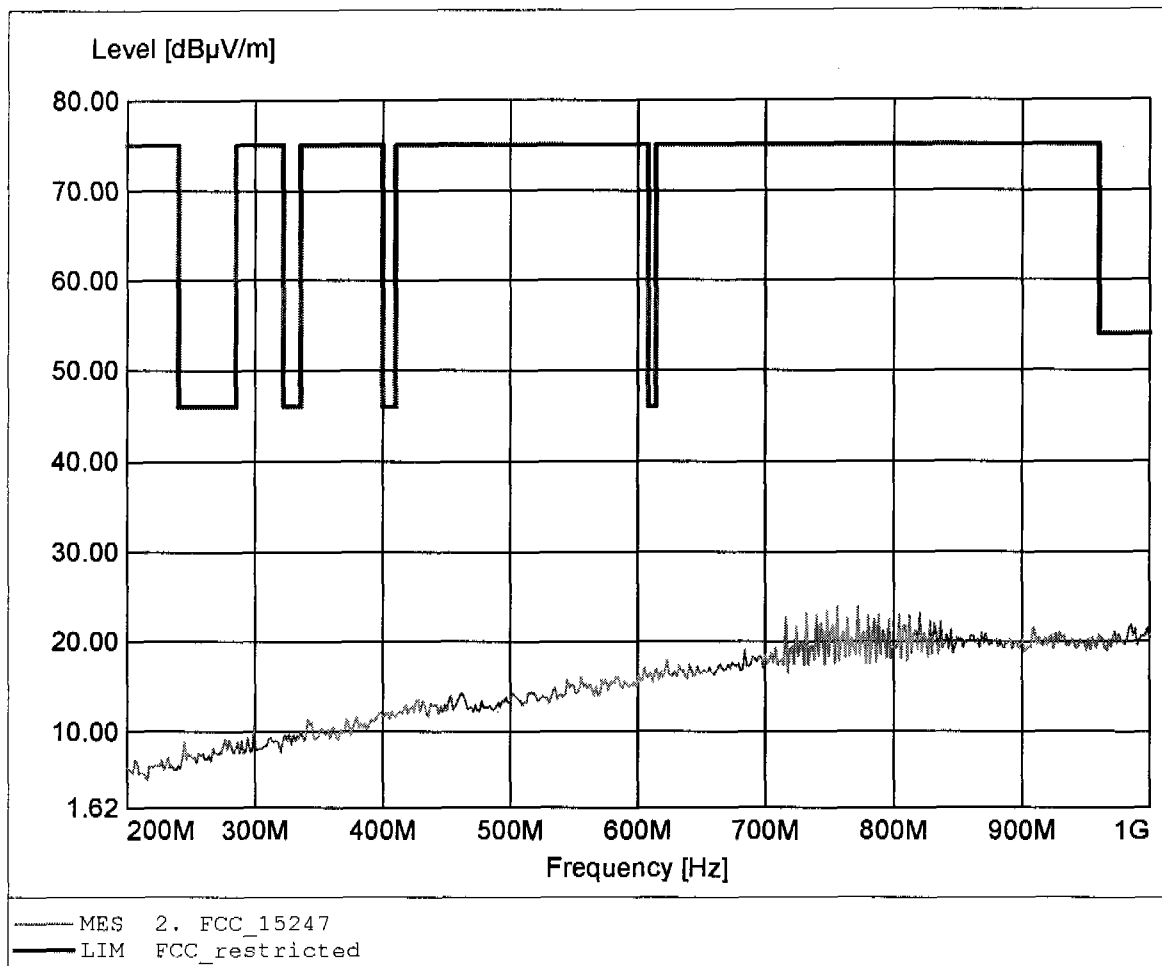
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 26      /      2480 MHz / Ant. 1
Test Site / Operator: ETS      /    Mr. Schlaps
Test Condition:       25°C      /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247
Comment 1:            Dist.: 3m, Ant.: HK 116
Comment 2:            Freq: 196.253MHz, Emax: 32.97dBµV/m, RBW: 100kHz



MES  1. FCC_15247
LIM  FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
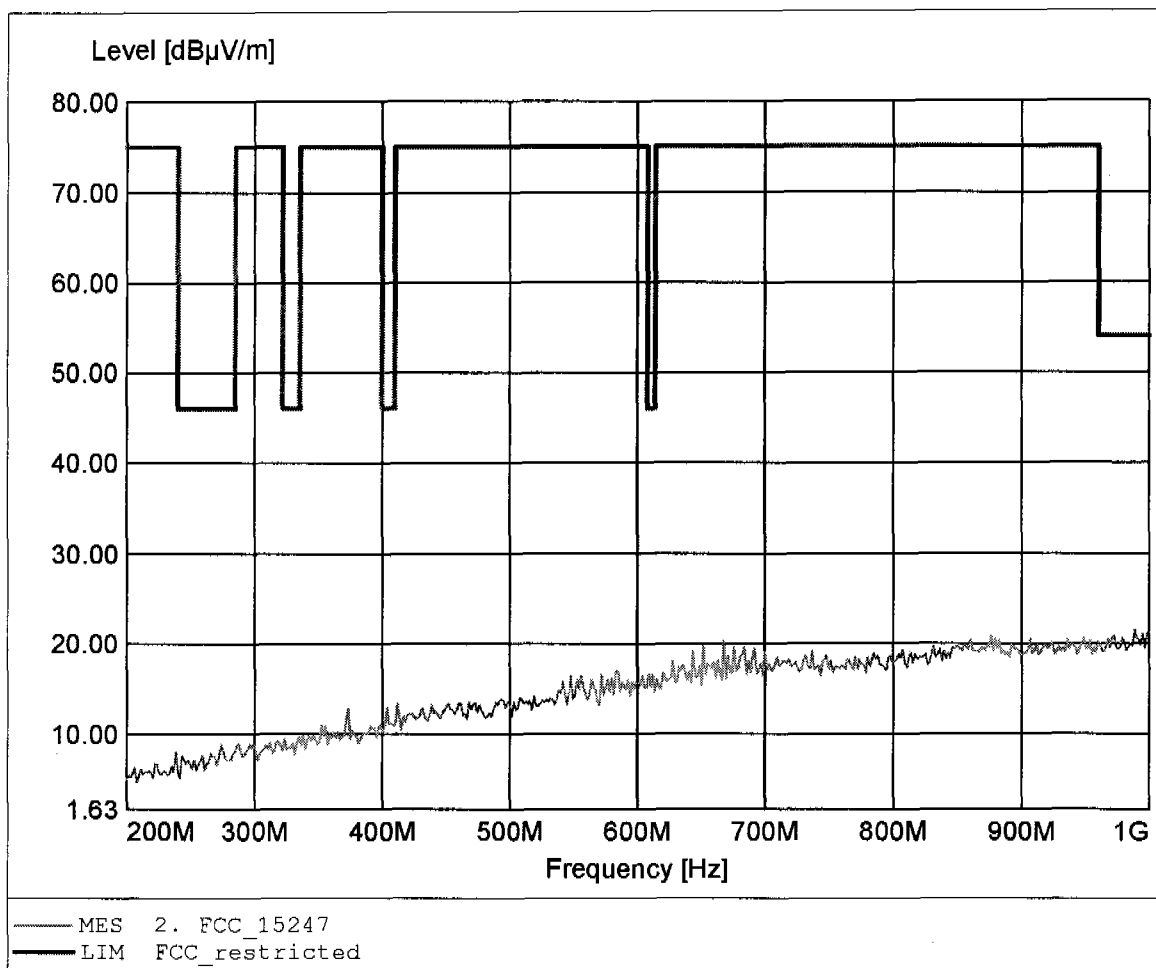
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE        /       ZDM-A1281-B0
Mode:                  Channel: 26        /       2480 MHz / Ant. 1
Test Site / Operator:  ETS      /   Mr. Schlaps
Test Condition:        25°C     /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247
Comment 1:             Dist.: 3m, Ant.: HL 223, amplif.
Comment 2:             Freq: 772.345MHz, Emax: 23.85dBµV/m, RBW: 100kHz



Level [dBµV/m]

MES   2. FCC_15247
LIM   FCC_restricted

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
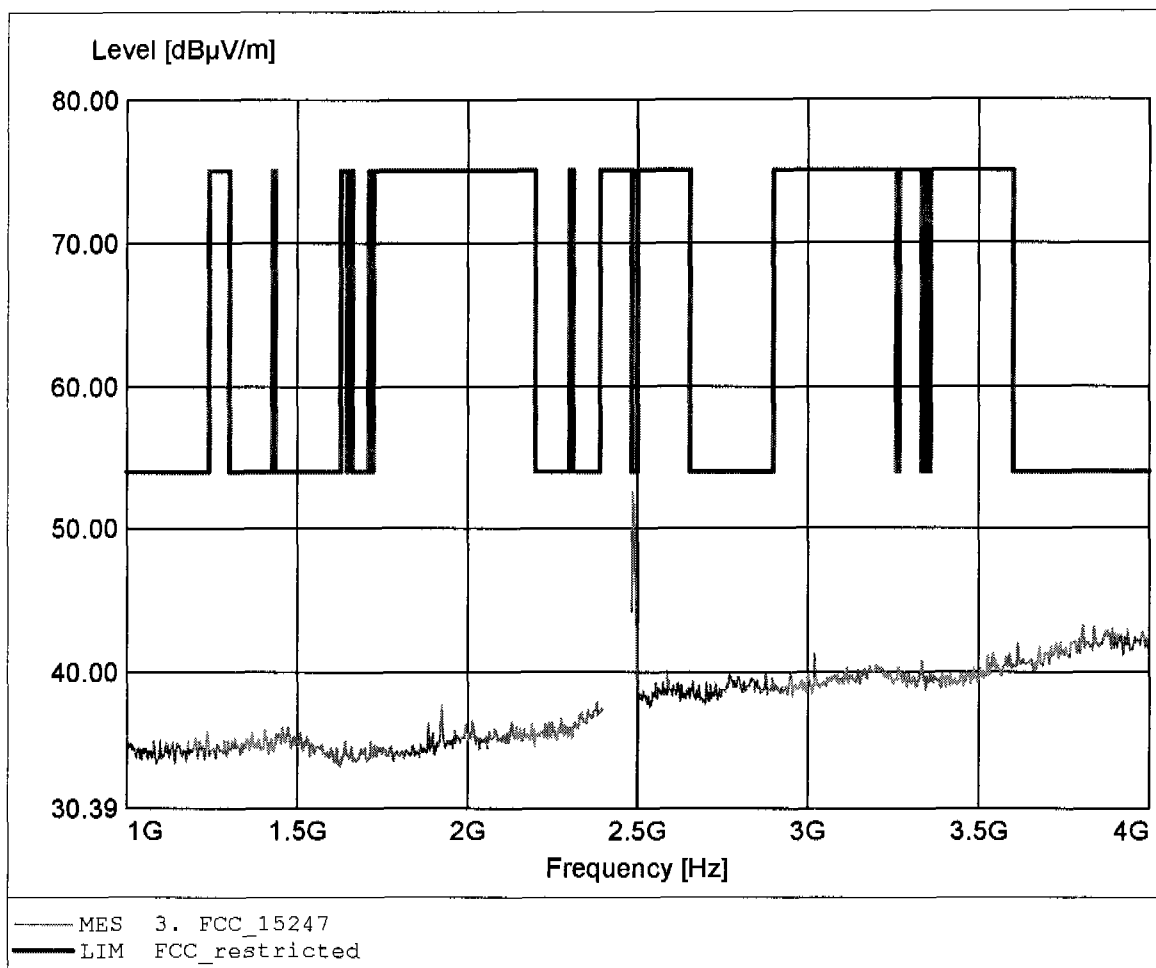
Approval Holder:        LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:        2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE        /        ZDM-A1281-B0
Mode:                   Channel: 26      /       2480 MHz / Ant. 1
Test Site / Operator: ETS     /    Mr. Schlaps
Test Condition:         25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:     according to §15.247
Comment 1:              Dist.: 3m, Ant.: HL 223, amplif.
Comment 2:              Freq: 988.778MHz, Emax: 21.57dBµV/m, RBW: 100kHz



——— MES   2. FCC_15247
——— LIM   FCC_restricted

Page 1/1   09.03.2007  14:35  Overview / Antenna horizontal

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
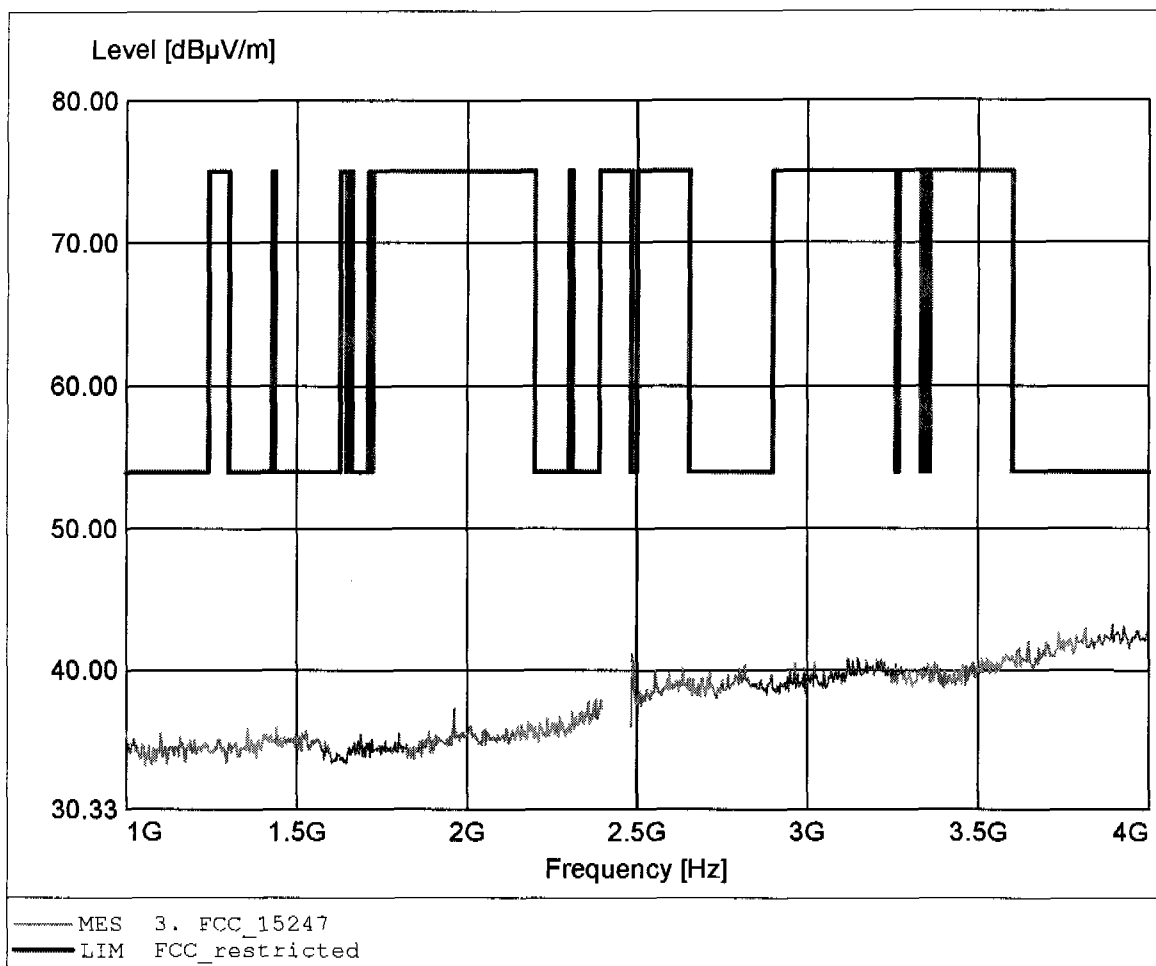
Approval Holder:        LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:        2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                   Channel: 26      /       2480 MHz / Ant. 1
Test Site / Operator:   ETS     /    Mr. Schlaps
Test Condition:         25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:     according to §15.247, peak detector
Comment 1:              Dist.: 3m, Ant.: BBHA9120D, amplif., notch-filter
Comment 2:              Freq: 2.487GHz, Emax: 52.52dBµV/m, RBW: 1MHz



Page 1/1   09.03.2007  12:55   Overview / Antenna vertical

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
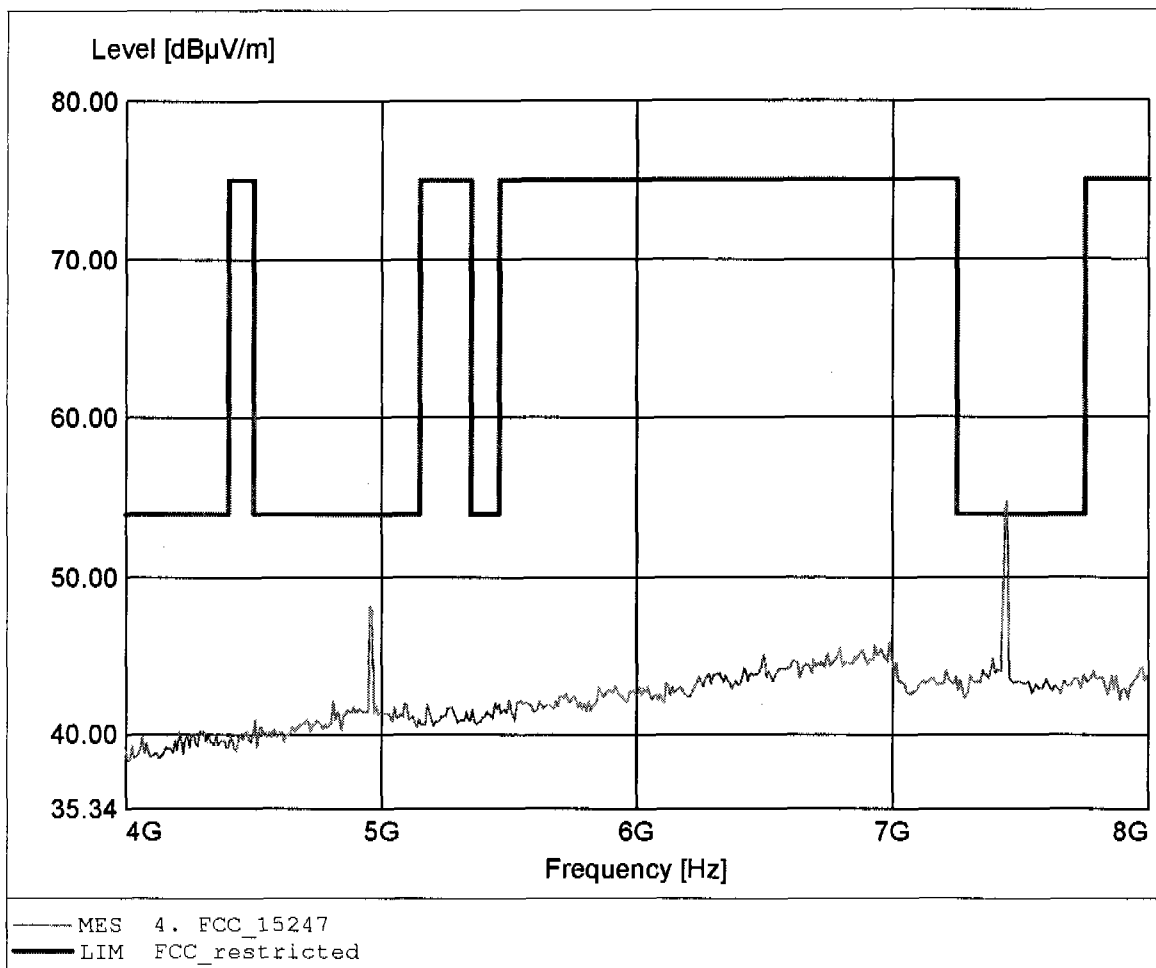
Approval Holder:        LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:        2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE        /        ZDM-A1281-B0
Mode:                   Channel: 26       /       2480 MHz / Ant. 1
Test Site / Operator:   ETS      /    Mr. Schlaps
Test Condition:         25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:     according to §15.247, peak detector
Comment 1:              Dist.: 3m, Ant.: BBHA9120D, amplif., notch-filter
Comment 2:              Freq: 3.894GHz, Emax: 43.20dBµV/m, RBW: 1MHz



MES   3. FCC_15247
LIM   FCC_restricted

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
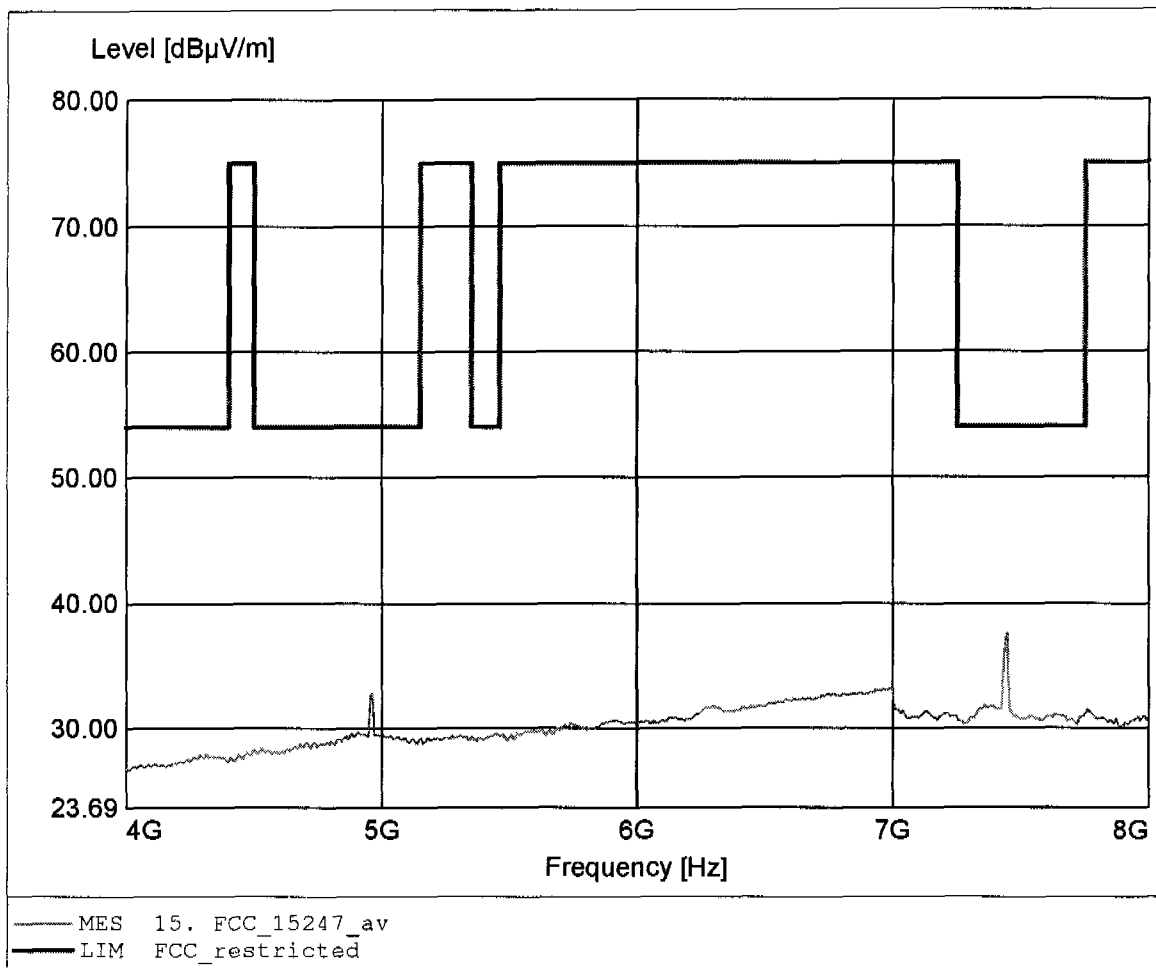
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT  /  Model:         2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /      ZDM-A1281-B0
Mode:                  Channel: 26      /      2480 MHz / Ant. 1
Test Site / Operator:  ETS      /   Mr. Schlaps
Test Condition:        25°C     /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 7.447GHz, Emax: 54.77dBµV/m, RBW: 1MHz



----- MES  4. FCC_15247
——— LIM  FCC_restricted

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
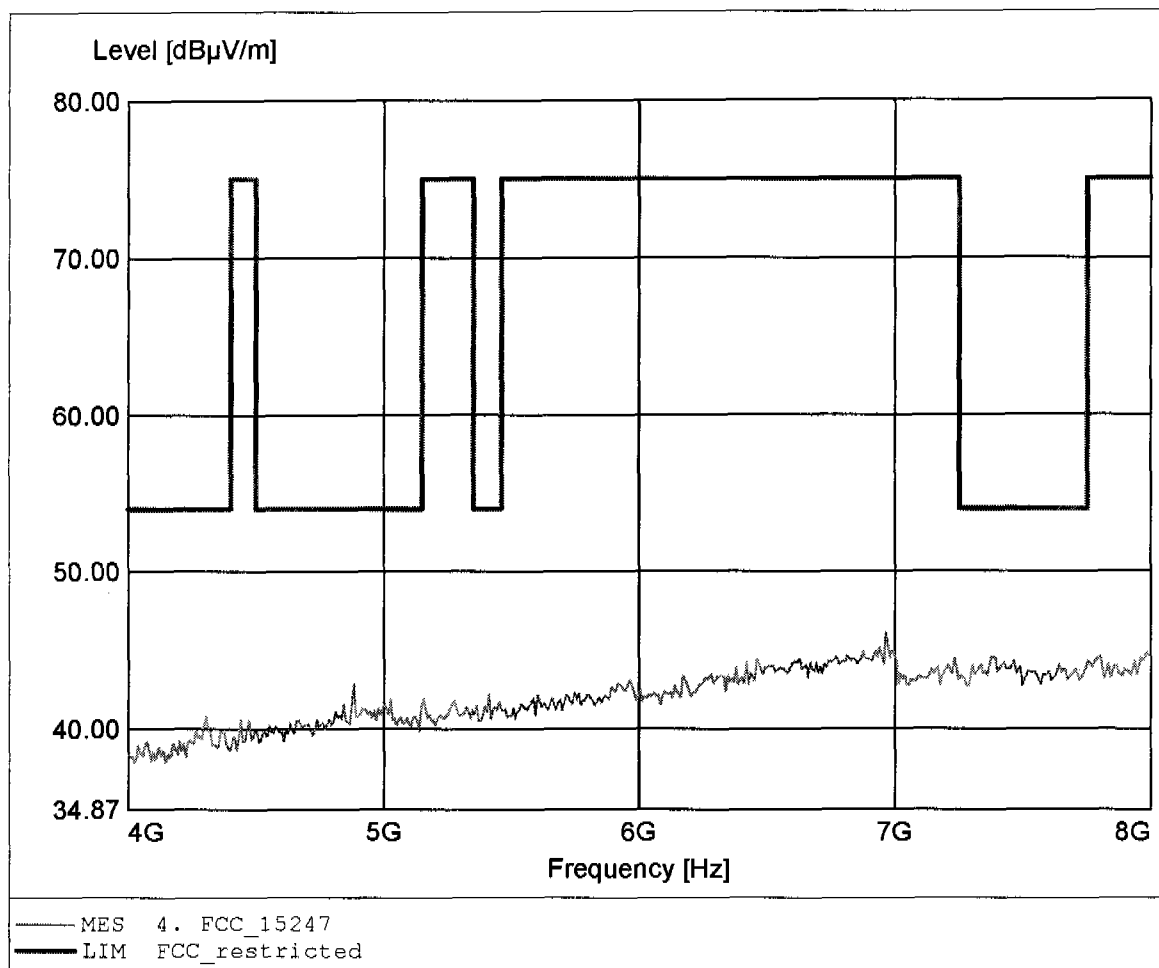
Approval Holder:        LUXLABS LTD. DBA MESHNETICS
EUT  /  Model:          2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE        /        ZDM-A1281-B0
Mode:                   Channel: 26        /        2480 MHz / Ant. 1
Test Site / Operator:   ETS       /    Mr. Schlaps
Test Condition:         25°C      /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:     according to §15.247, average detector
Comment 1:              Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:              Freq: 7.447GHz, Emax: 37.60dBμV/m, RBW: 1MHz



MES  15. FCC_15247_av
LIM  FCC_restricted

Page 1/1   09.03.2007  13:18   Overview / Antenna vertical

# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
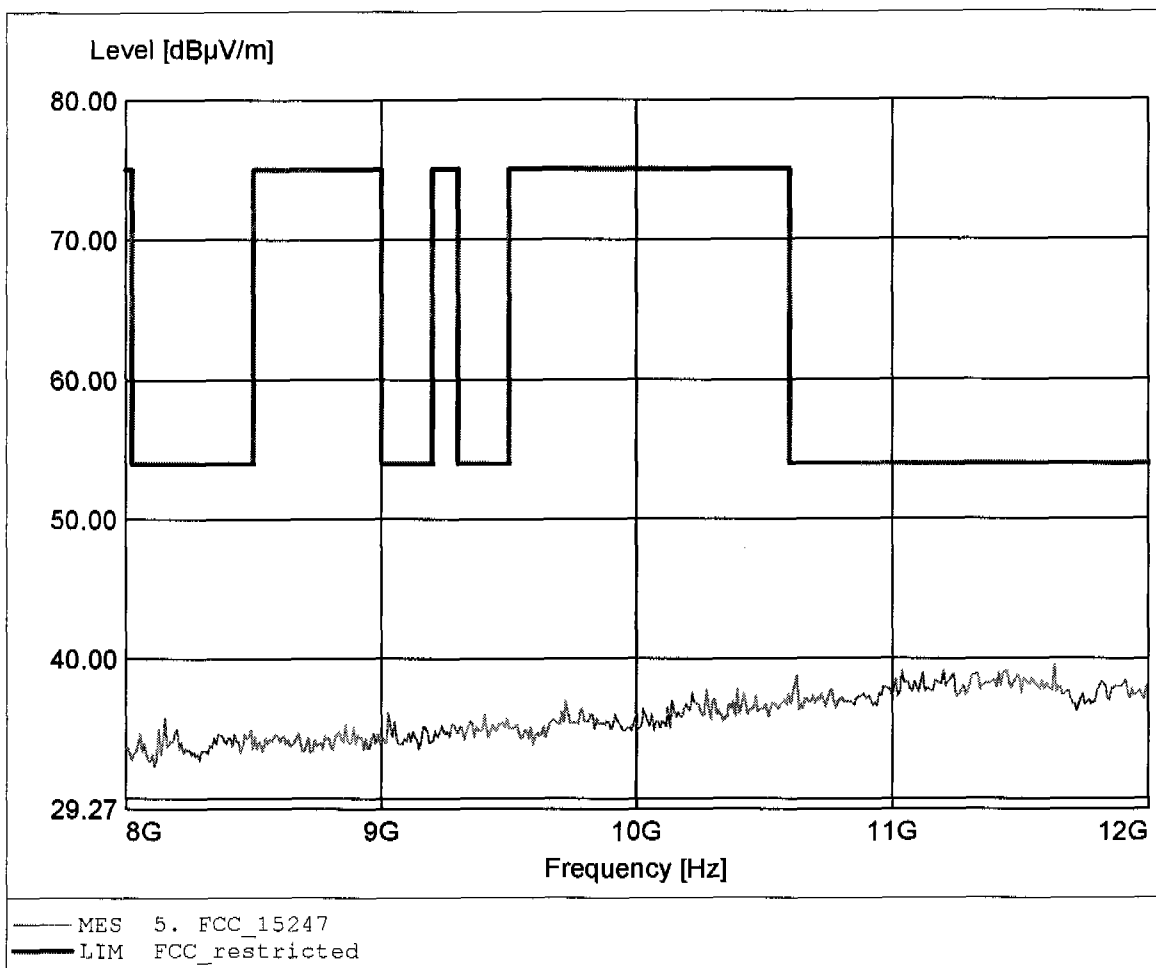
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT  /  Model:         2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                  Channel: 26      /      2480 MHz / Ant. 1
Test Site / Operator:  ETS     /    Mr. Schlaps
Test Condition:        25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 6.966GHz, Emax: 46.16dBµV/m, RBW: 1MHz



———— MES  4. FCC_15247
———— LIM  FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*
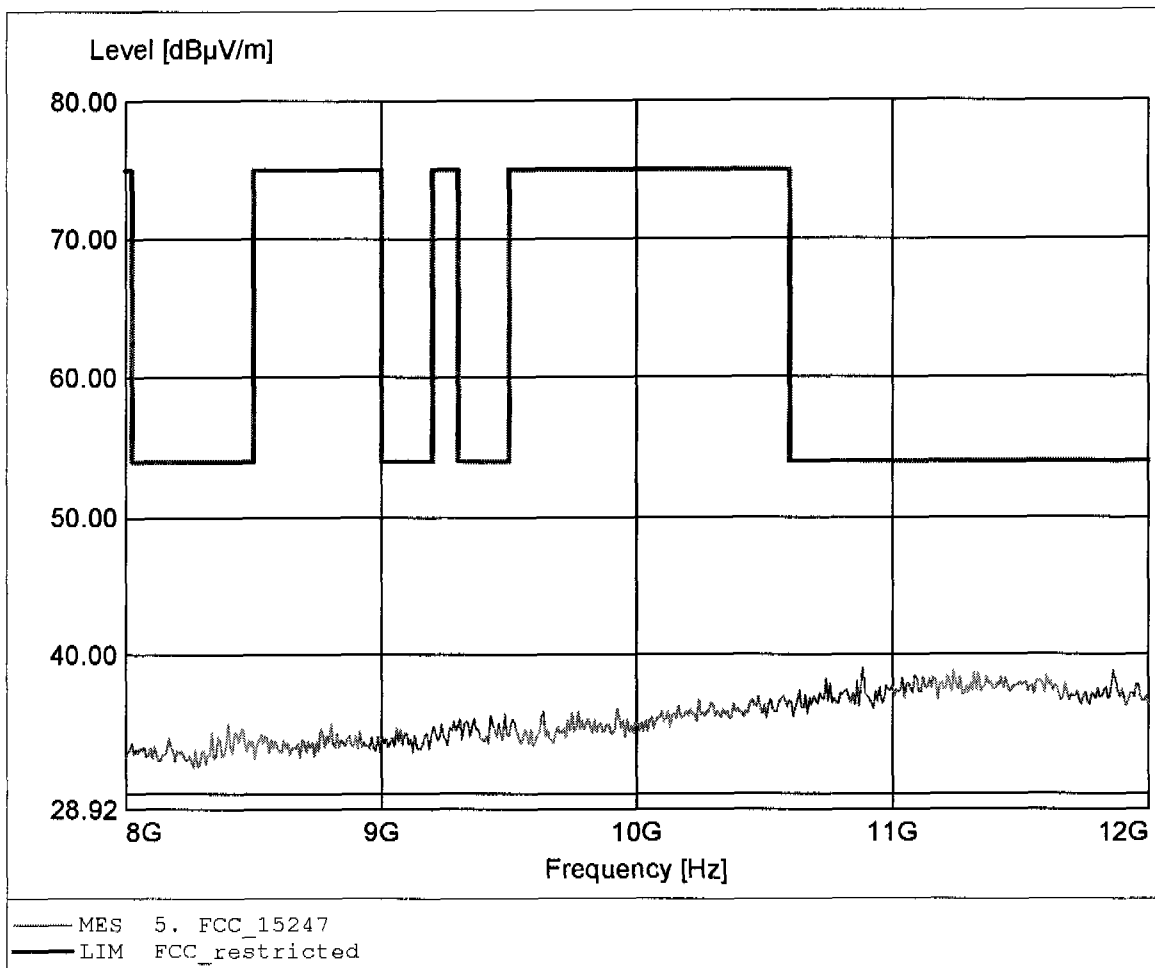
Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT  /  Model:        2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 26     /      2480 MHz / Ant. 1
Test Site / Operator: ETS     /    Mr. Schlaps
Test Condition:       25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:            Freq: 11.631GHz, Emax: 39.52dBµV/m, RBW: 1MHz



——— MES  5. FCC_15247
——— LIM  FCC_restricted

Page 1/1   09.03.2007  13:24   Overview / Antenna vertical

## *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
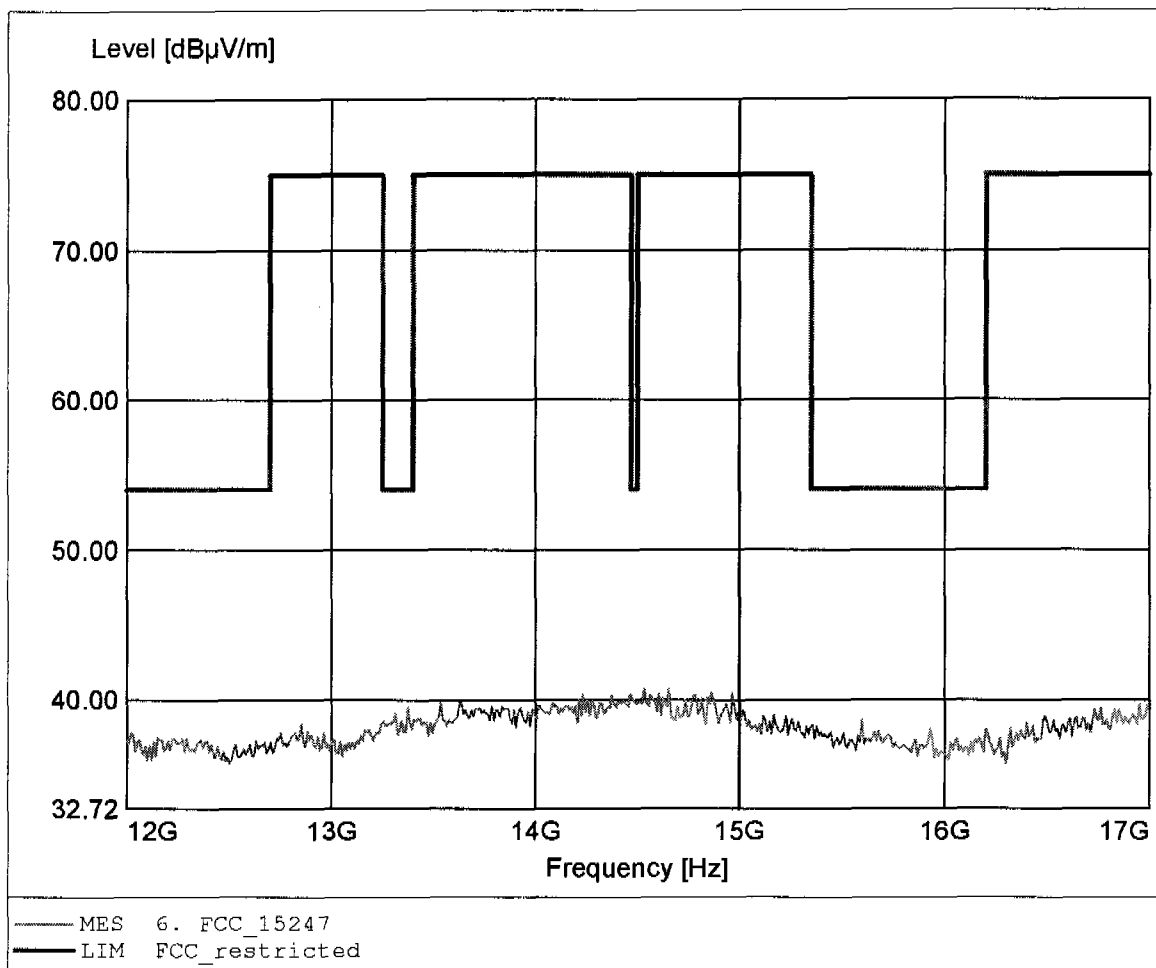
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                  Channel: 26     /       2480 MHz / Ant. 1
Test Site / Operator:  ETS     /    Mr. Schlaps
Test Condition:        25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 10.886GHz, Emax: 39.02dBµV/m, RBW: 1MHz



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MES   5. FCC_15247
LIM   FCC_restricted
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# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C
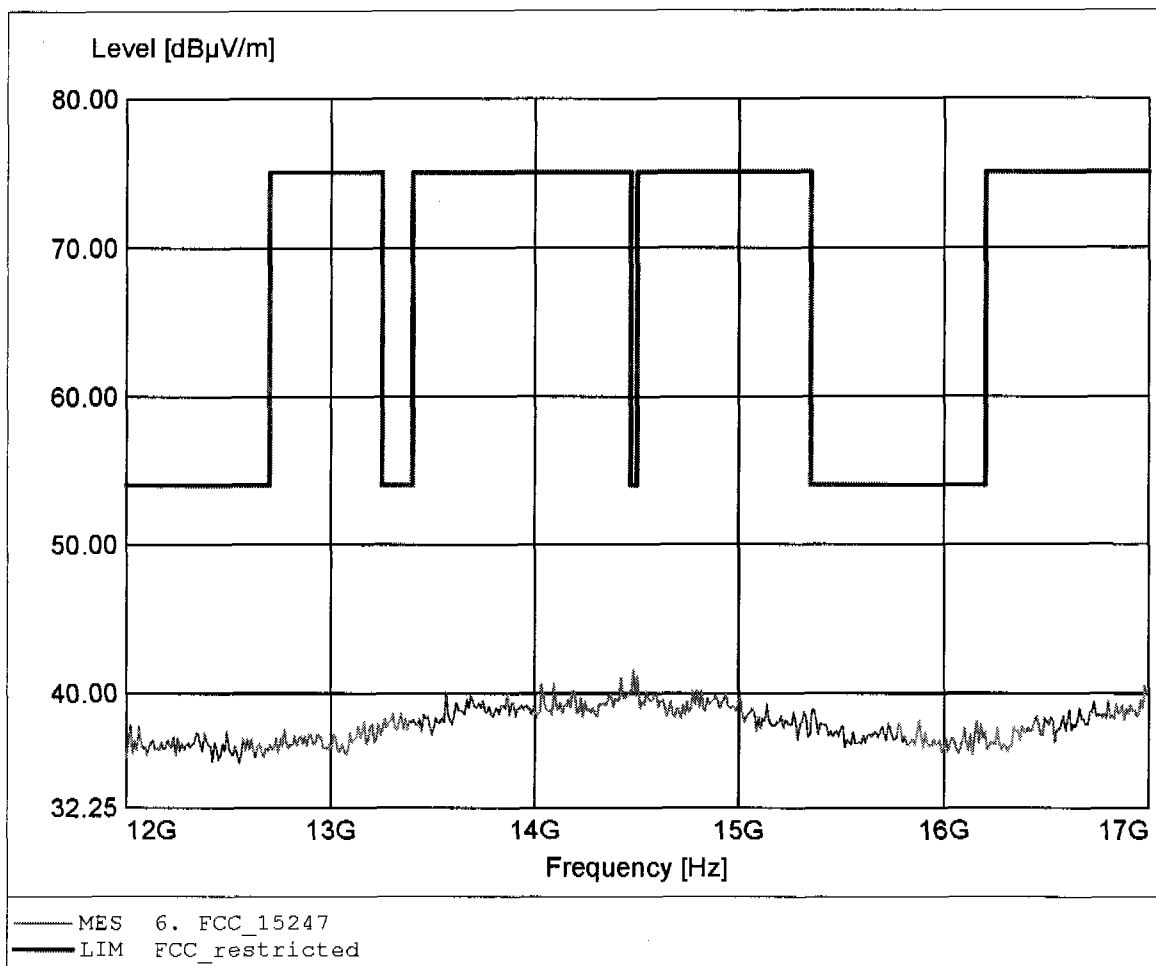
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                  Channel: 26       /       2480 MHz / Ant. 1
Test Site / Operator:  ETS     /   Mr. Schlaps
Test Condition:        25°C    /   Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 14.535GHz, Emax: 40.76dBµV/m, RBW: 1MHz



— — MES  6. FCC_15247
▬▬ LIM  FCC_restricted

# *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*
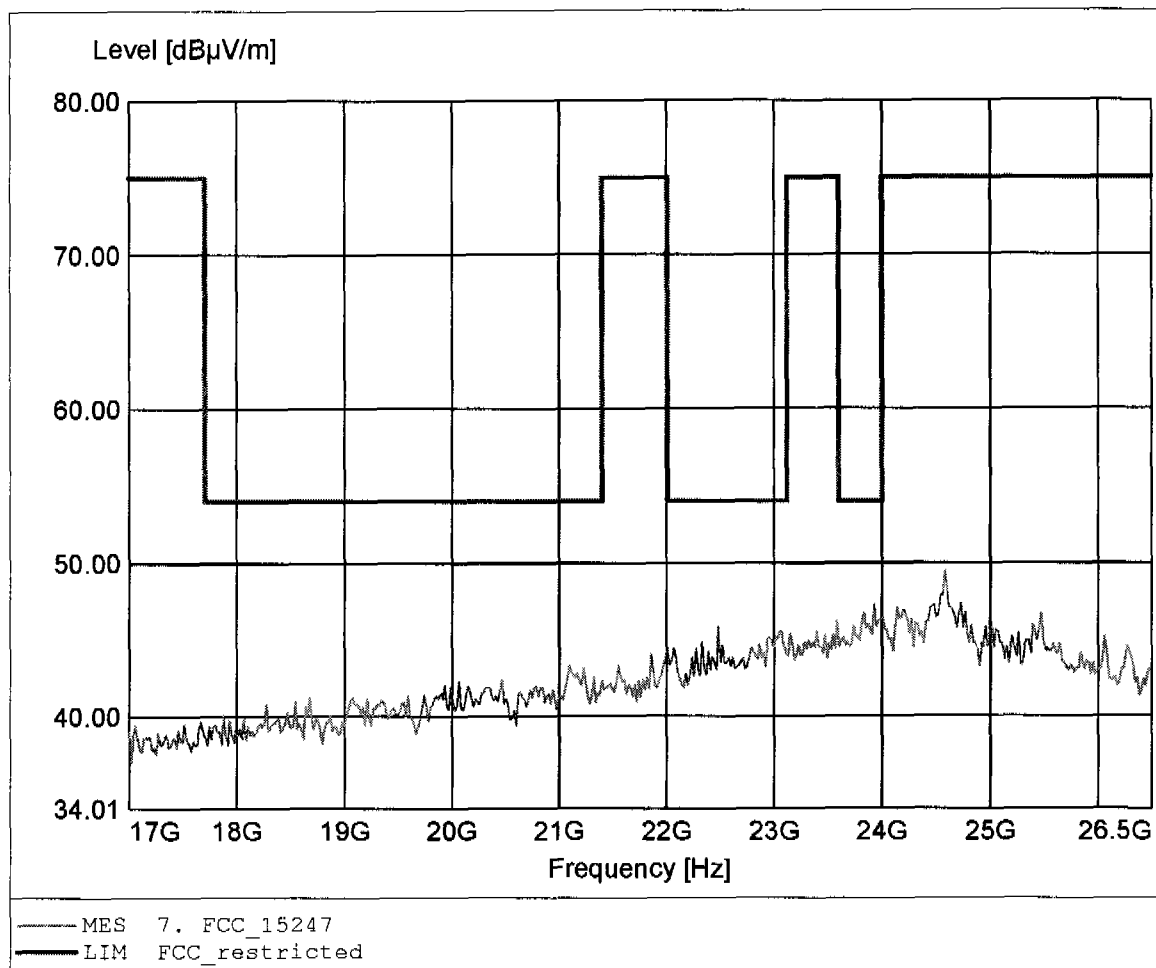
Approval Holder:       LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:       2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE       /       ZDM-A1281-B0
Mode:                  Channel: 26      /       2480 MHz / Ant. 1
Test Site / Operator:  ETS      /    Mr. Schlaps
Test Condition:        25°C     /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:    according to §15.247, peak detector
Comment 1:             Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:             Freq: 14.485GHz, Emax: 41.59dBµV/m, RBW: 1MHz



MES  6. FCC_15247
LIM  FCC_restricted

# *Spurious emissions Field Strength*

## *FCC RULES PART 15, SUBPART C*

Approval Holder:     LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:     2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE     /     ZDM-A1281-B0
Mode:                Channel: 26     /      2480 MHz / Ant. 1
Test Site / Operator: ETS    /    Mr. Schlaps
Test Condition:      25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:  according to §15.247, peak detector
Comment 1:           Dist.: 3m, Ant.: HL025, amplif.
Comment 2:           Freq: 24.577GHz, Emax: 49.53dBμV/m, RBW: 1MHz



Level [dBμV/m] vs Frequency [Hz]

————MES  7. FCC_15247
————LIM  FCC_restricted

*Spurious emissions Field Strength*

*FCC RULES PART 15, SUBPART C*

Approval Holder:      LUXLABS LTD. DBA MESHNETICS
EUT   /   Model:      2.4 GHZ 802.15.4 / ZIGBEE OEM MODULE      /      ZDM-A1281-B0
Mode:                 Channel: 26      /      2480 MHz / Ant. 1
Test Site / Operator: ETS     /    Mr. Schlaps
Test Condition:       25°C    /    Unom.: 2 x 1.5 V DC (BATTERY)
Test Specification:   according to §15.247, peak detector
Comment 1:            Dist.: 3m, Ant.: HL025, amplif.
Comment 2:            Freq: 24.558GHz, Emax: 47.75dBµV/m, RBW: 1MHz



Level [dBµV/m]

MES   7. FCC_15247
LIM   FCC_restricted