

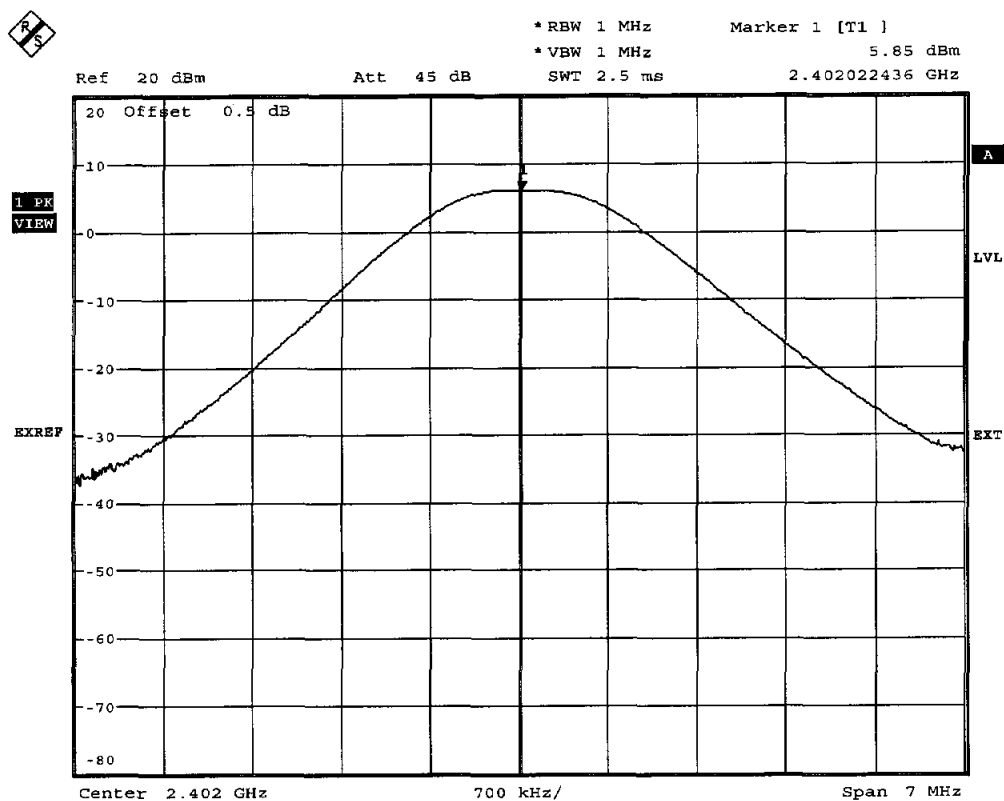
Appendix B

RF power output conducted

FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Output power=5.85 dBm; verdict: PASS

Date: 22.MAY.2007 12:52:30

Measurement diagram

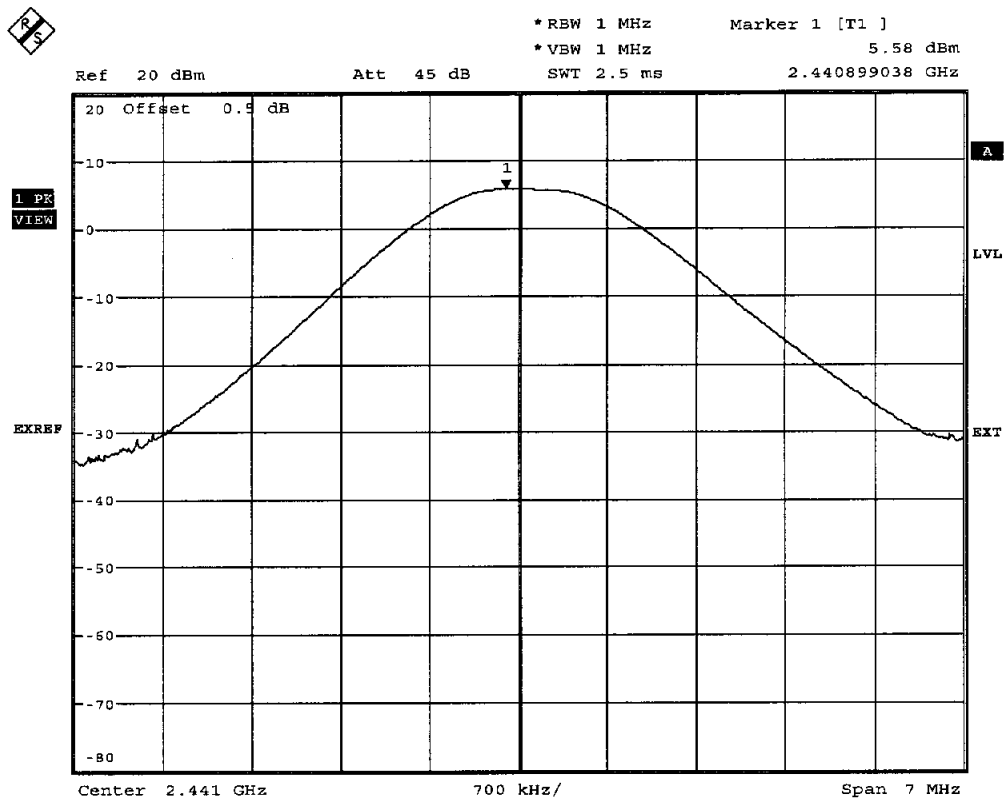
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Output power=5.58 dBm; verdict: PASS

Date: 22.MAY.2007 13:11:46

Measurement diagram

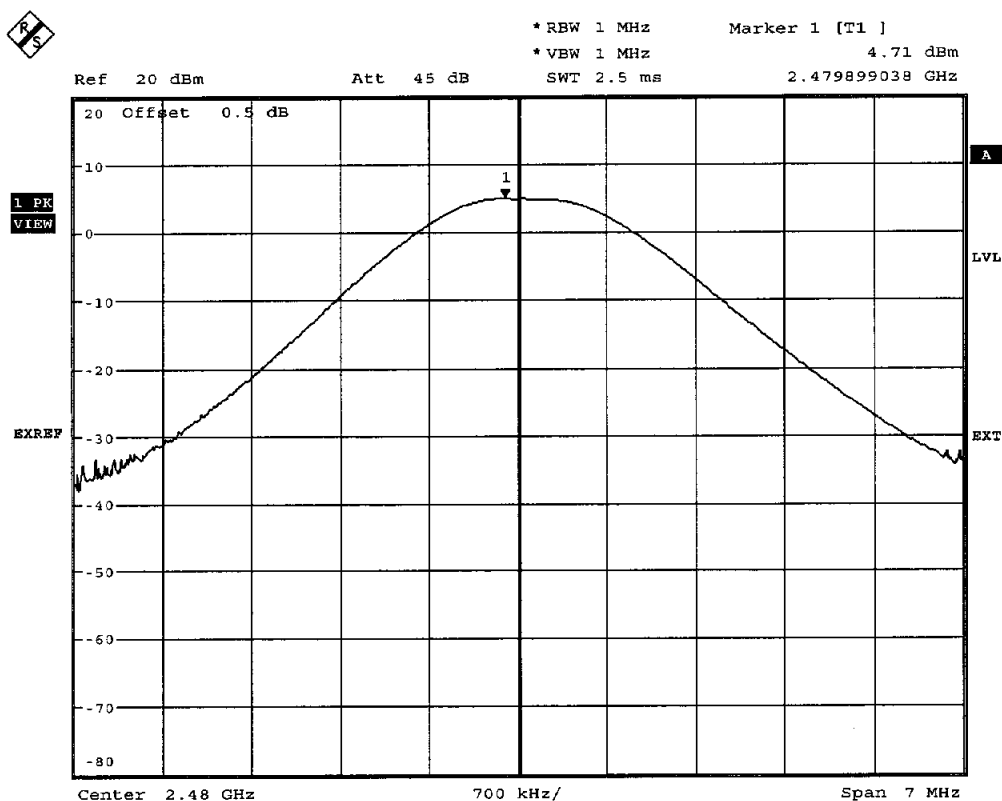
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Output power=4.71 dBm; verdict: PASS

Date: 22.MAY.2007 13:15:20

Measurement diagram

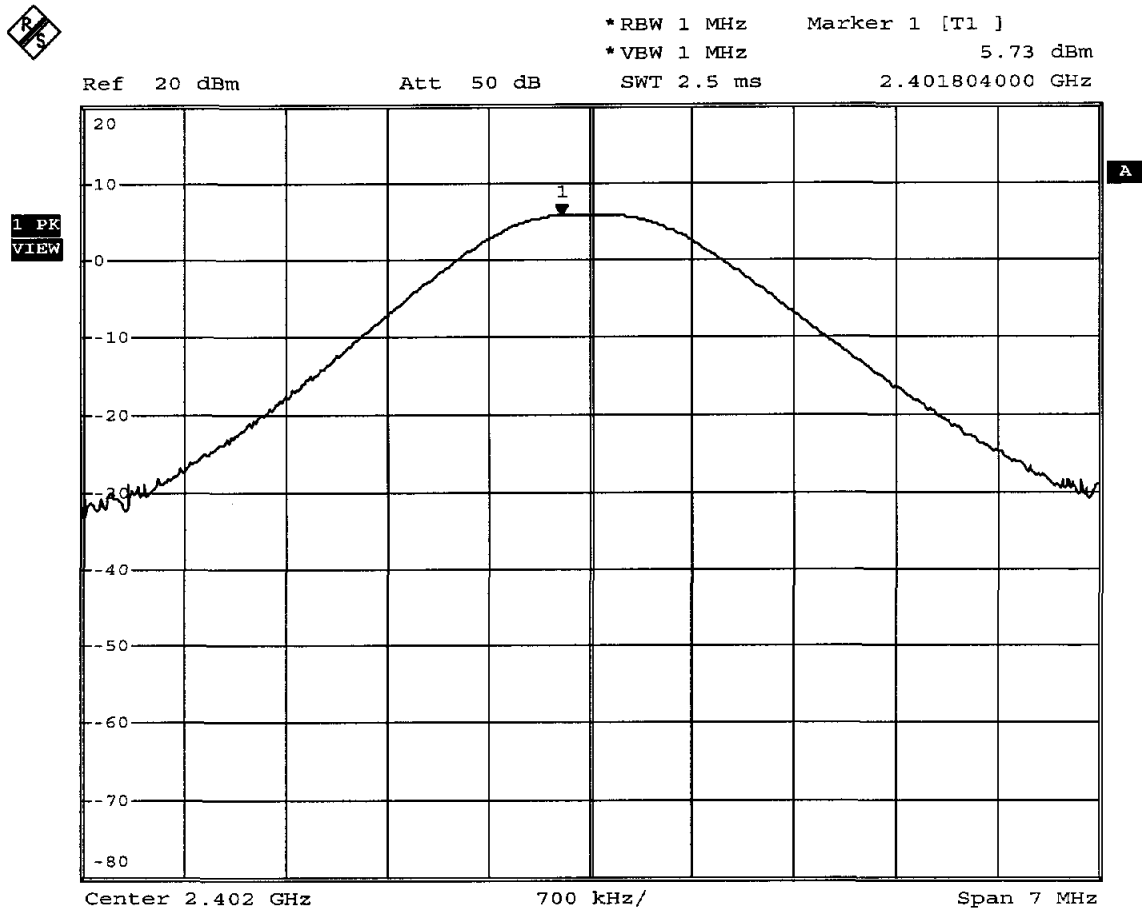
ETS Product Service AG
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth Module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Comment: Output power=5.73 dBm; verdict: PASS
Date: 7.JUN.2007 11:22:54

Measurement diagram

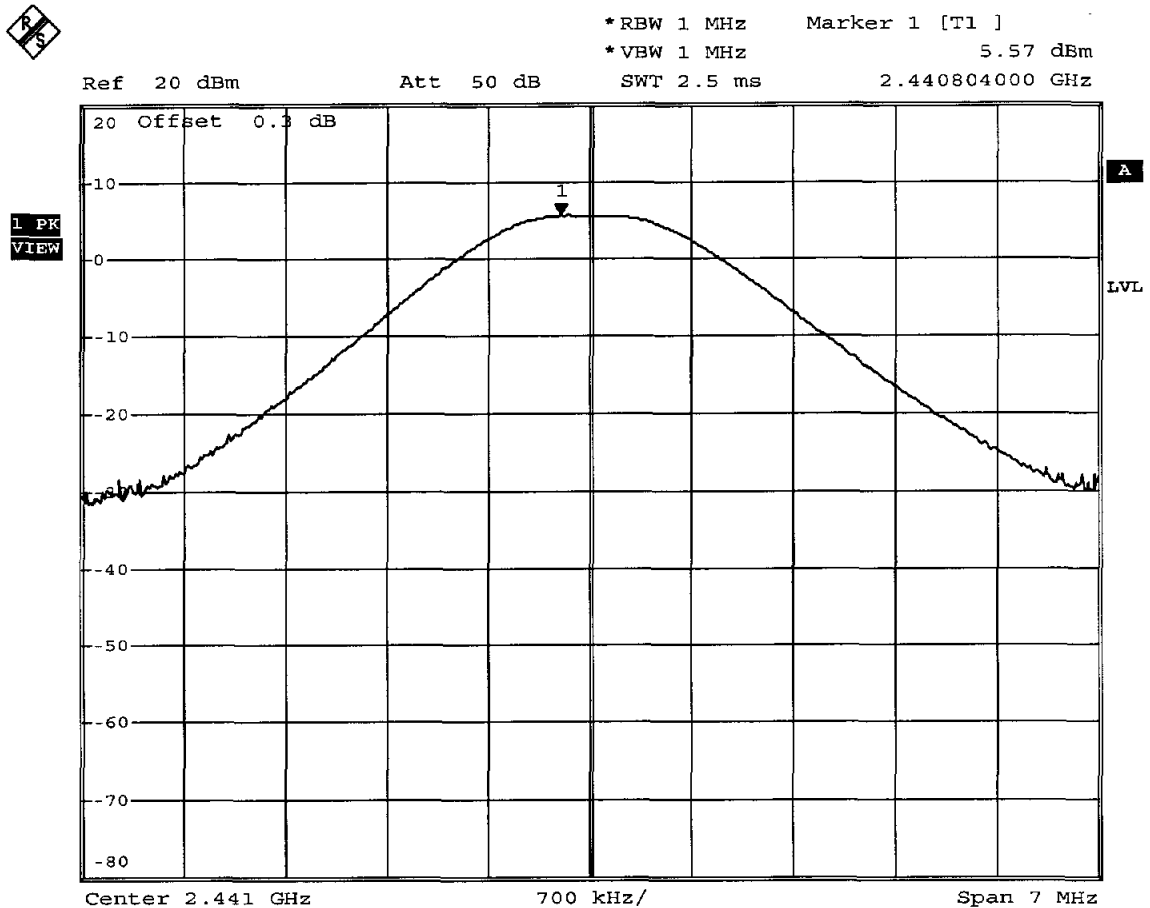
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth Module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=5.57 dBm; verdict: PASS
Date: 7.JUN.2007 11:21:10

Measurement diagram

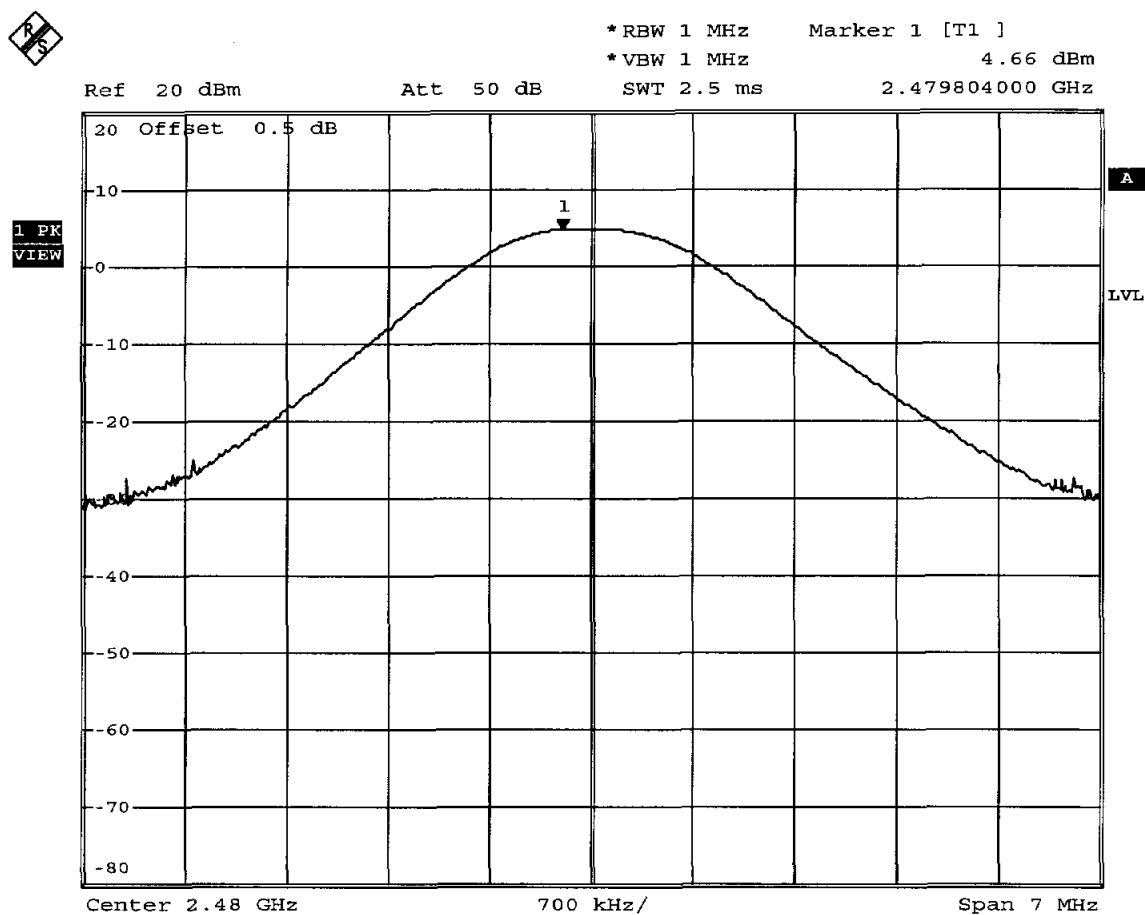
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth Module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: Output power=4.66 dBm; verdict: PASS
Date: 7.JUN.2007 11:19:35

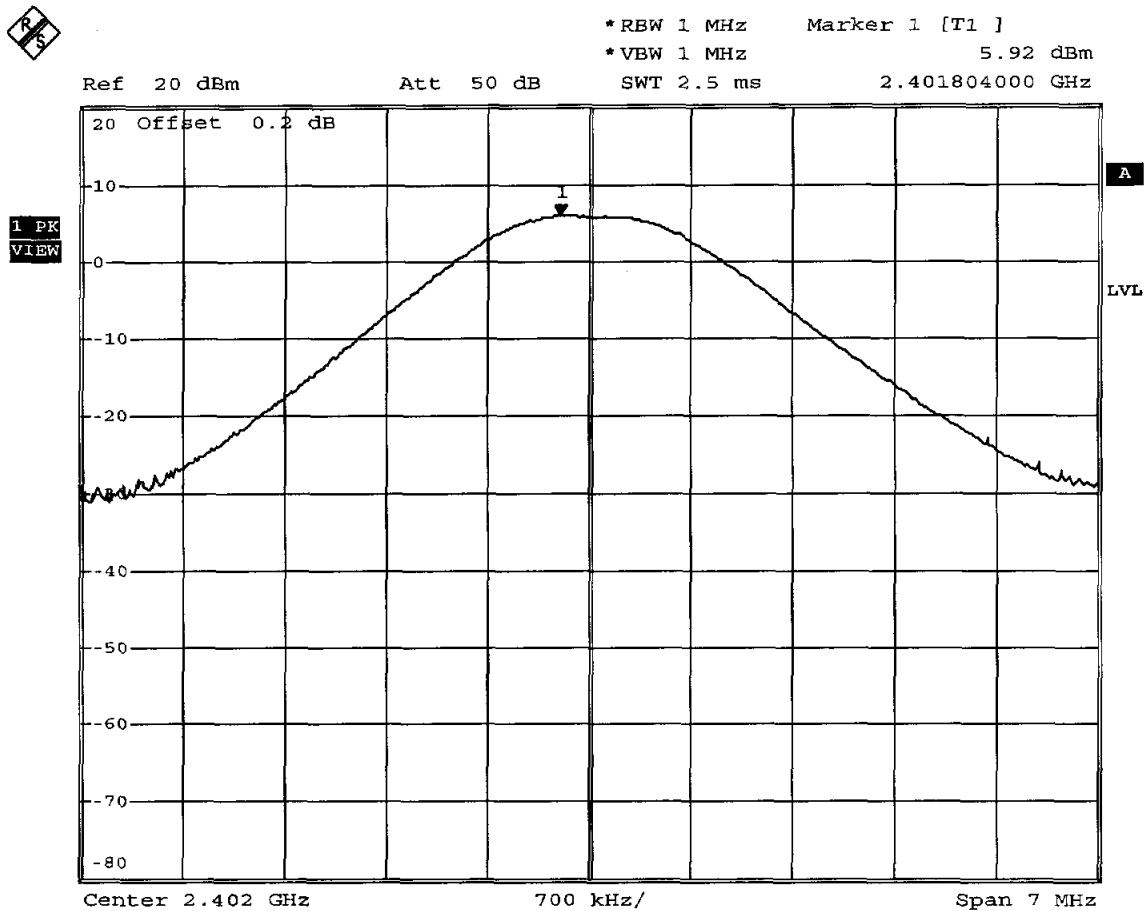
Measurement diagram

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FCC part 15.247**Peak output power conducted**

EUT	Low Power Bluetooth Module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Comment: Output power=5.92 dBm; verdict: PASS
Date: 7.JUN.2007 11:04:39

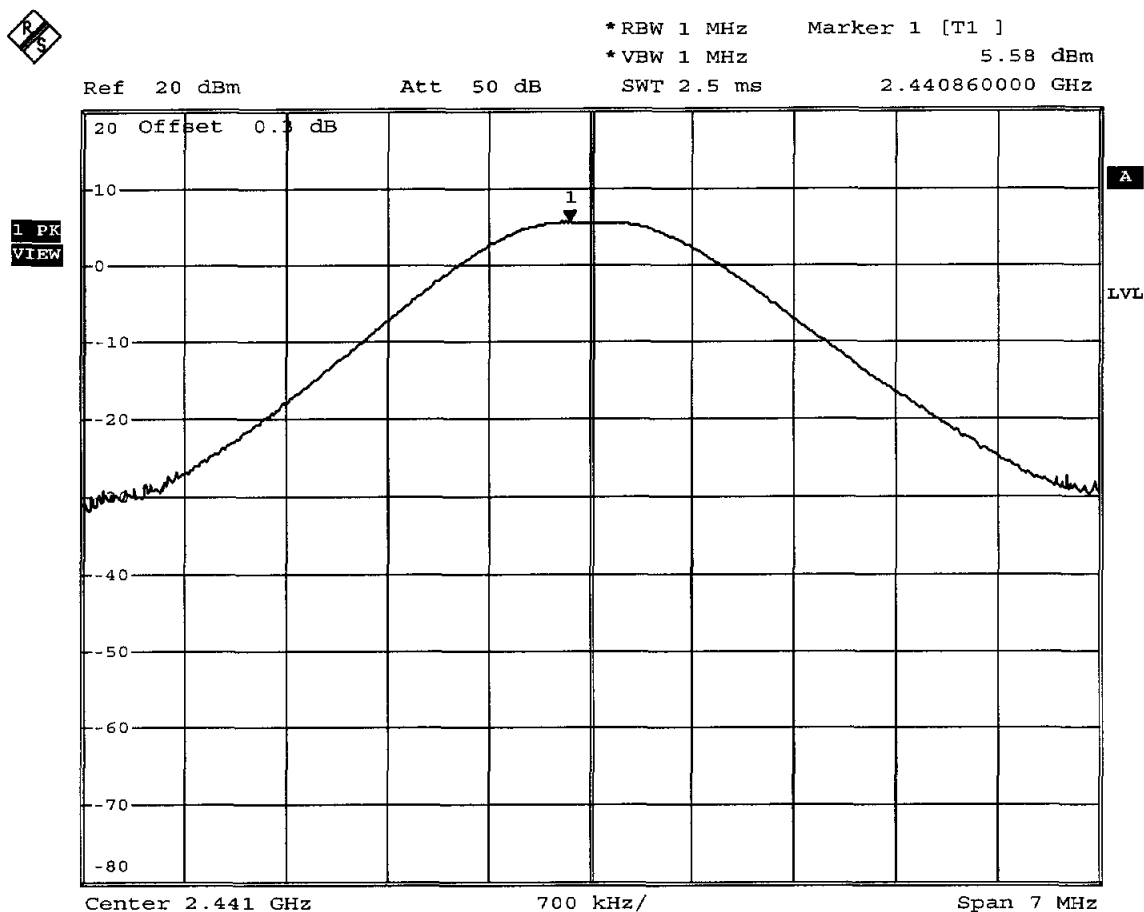
Measurement diagram

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FCC part 15.247**Peak output power conducted**

EUT	Low Power Bluetooth Module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=5.58 dBm; verdict: PASS
Date: 7.JUN.2007 11:15:45

Measurement diagram

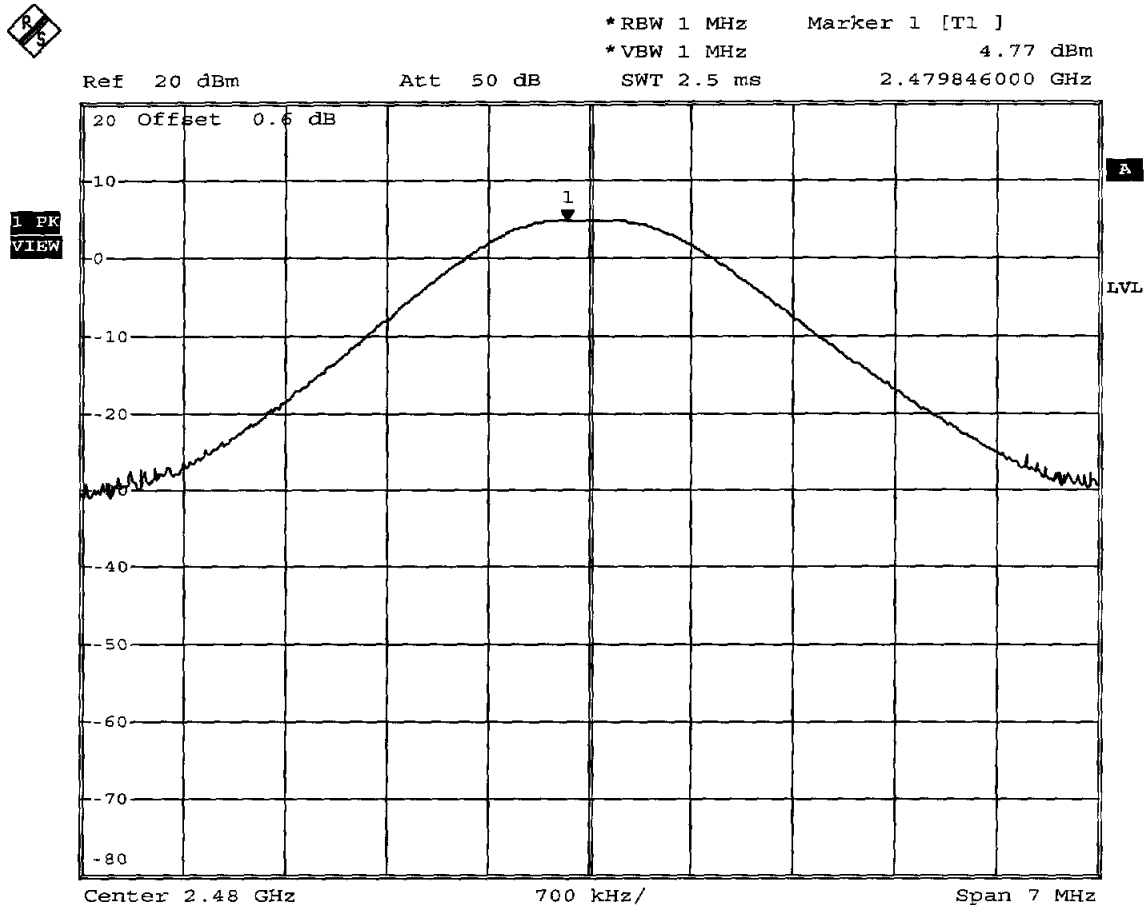
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth Module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel: 78 / 2480 MHz
Comment 3	



Comment: Output power=4.77 dBm; verdict: PASS
Date: 7.JUN.2007 11:18:48

Measurement diagram

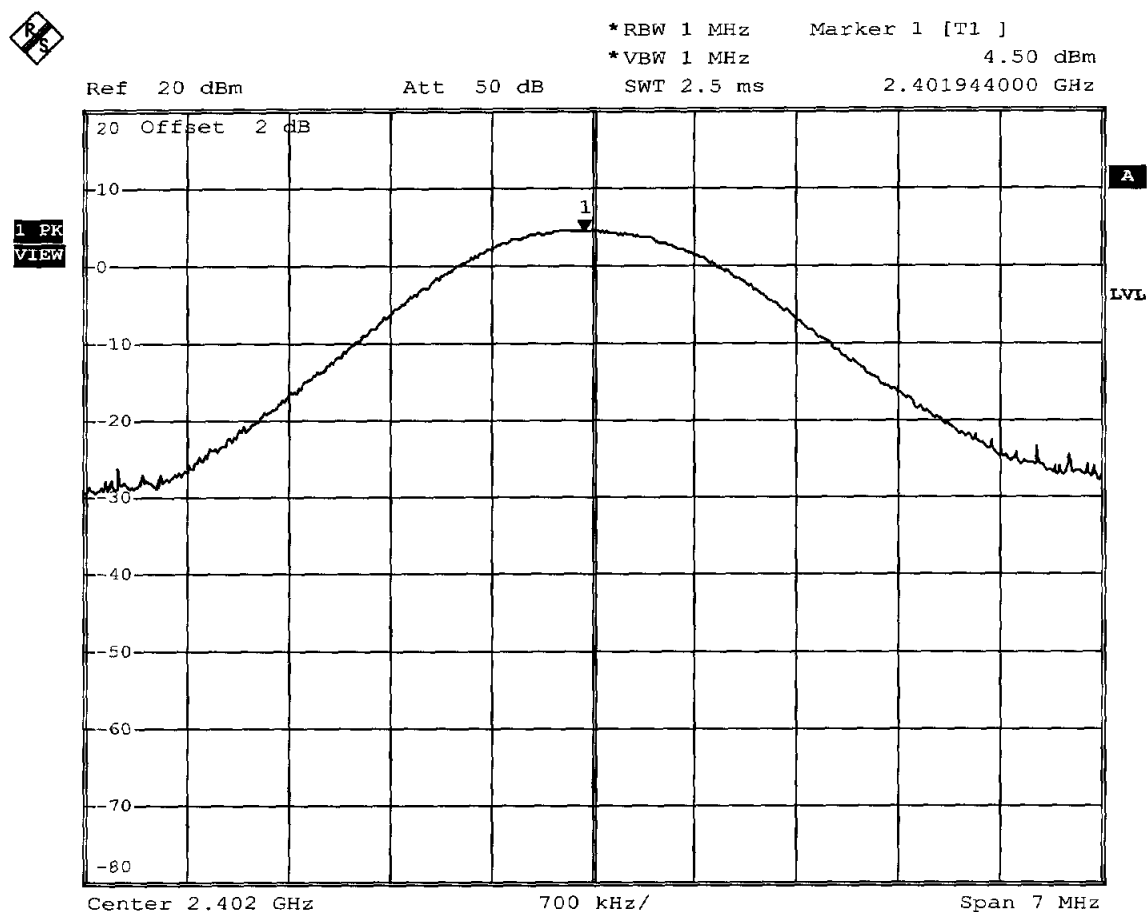
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vnom / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel: 0 / 2402 MHz
Comment 3	



Comment: Output power=4.5 dBm; verdict: PASS
Date: 27.JUN.2007 09:31:00

Measurement diagram

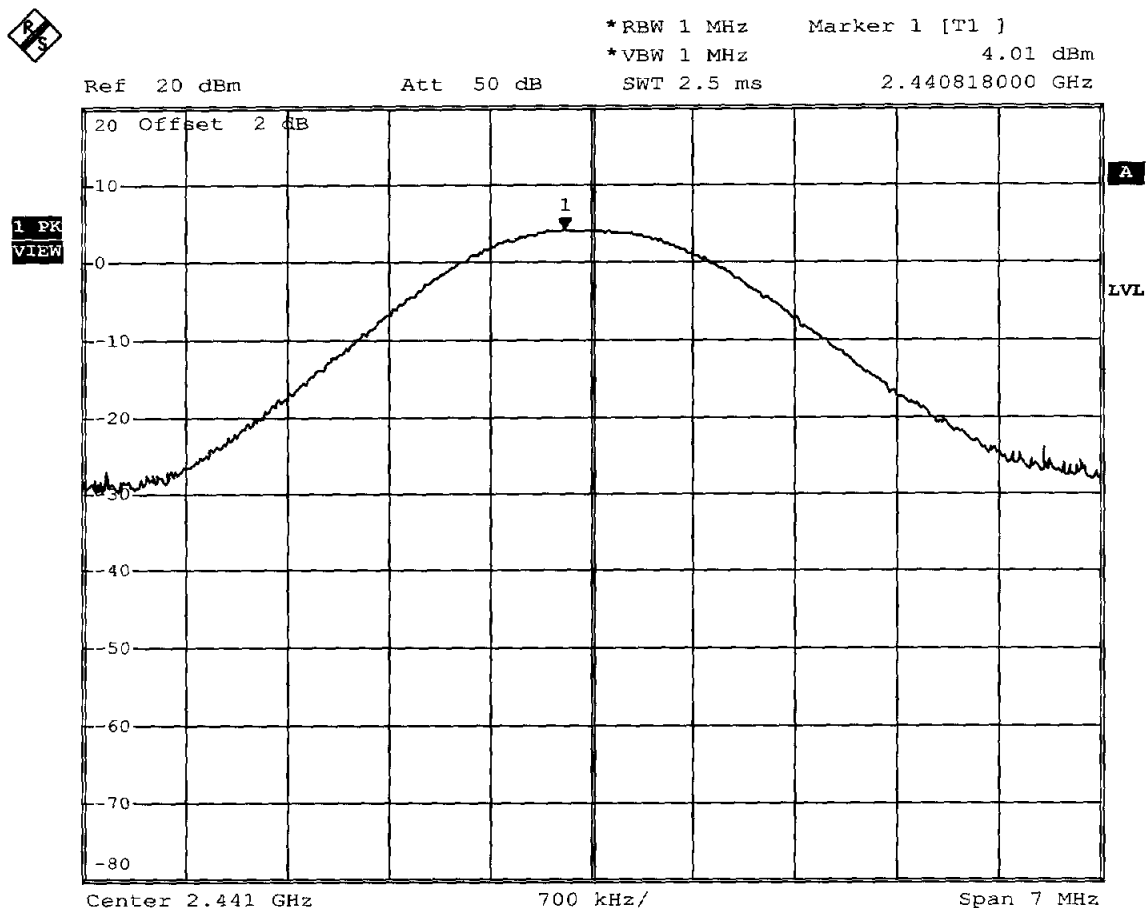
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vnom / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=4.01 dBm; verdict: PASS
Date: 27.JUN.2007 10:07:58

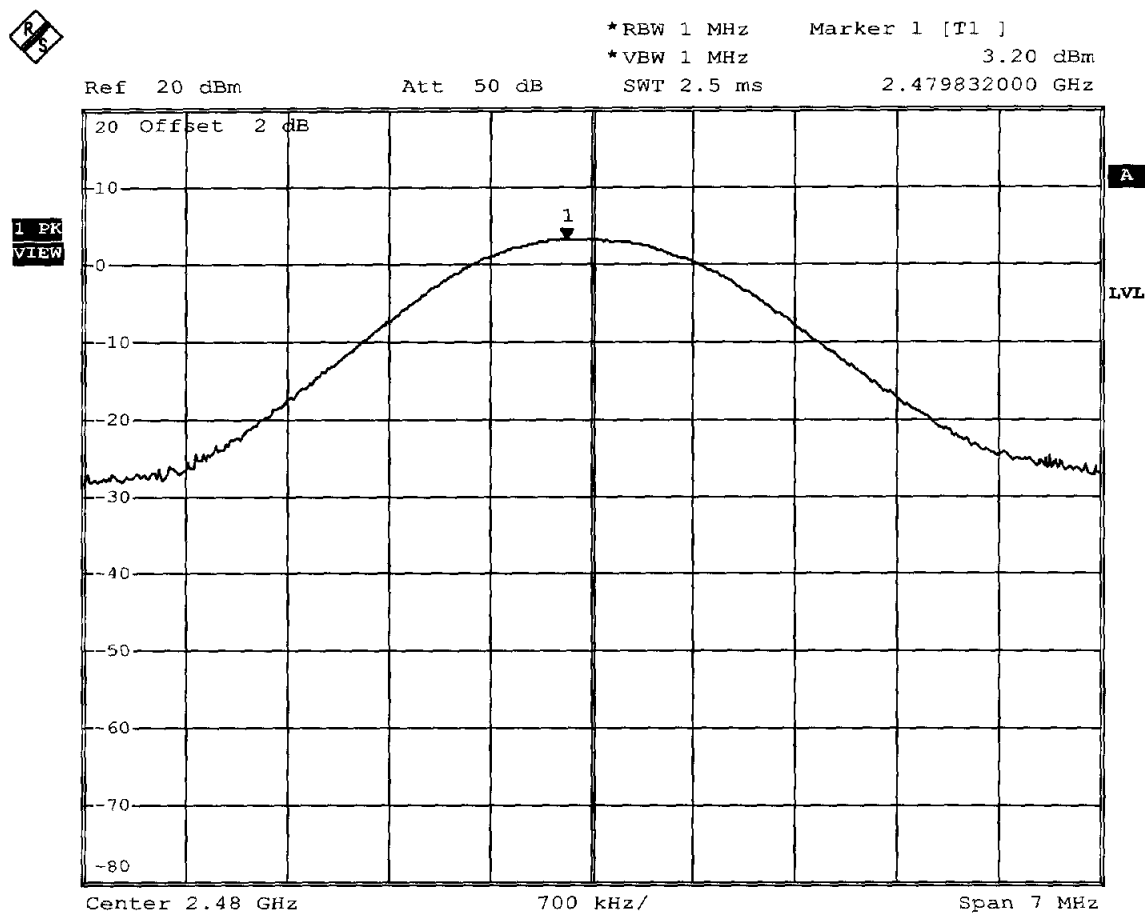
Measurement diagram

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FCC part 15.247**Peak output power conducted**

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vnom / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: Output power=3.2 dBm; verdict: PASS
Date: 27.JUN.2007 10:11:23

Measurement diagram

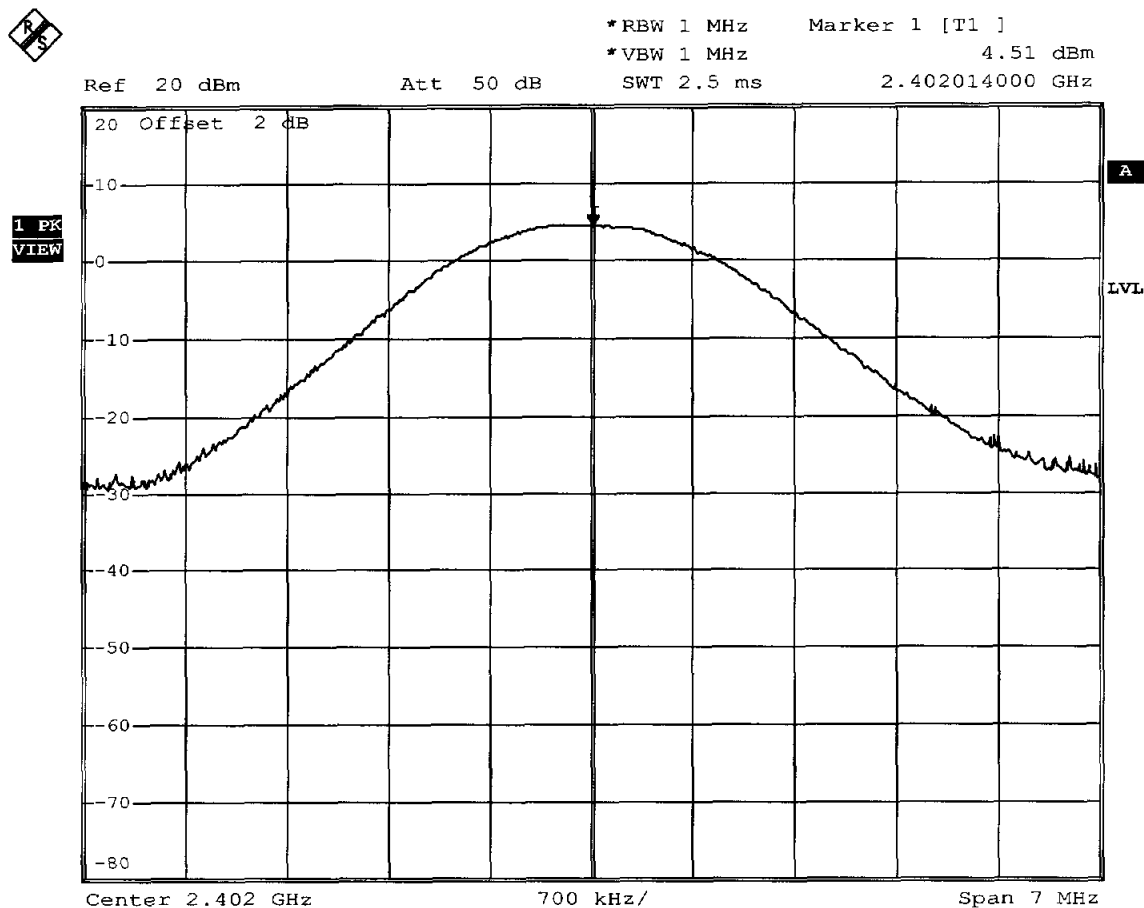
ETS Product Service AG
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmin / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Comment: Output power=4.51 dBm; verdict: PASS
Date: 27.JUN.2007 09:59:05

Measurement diagram

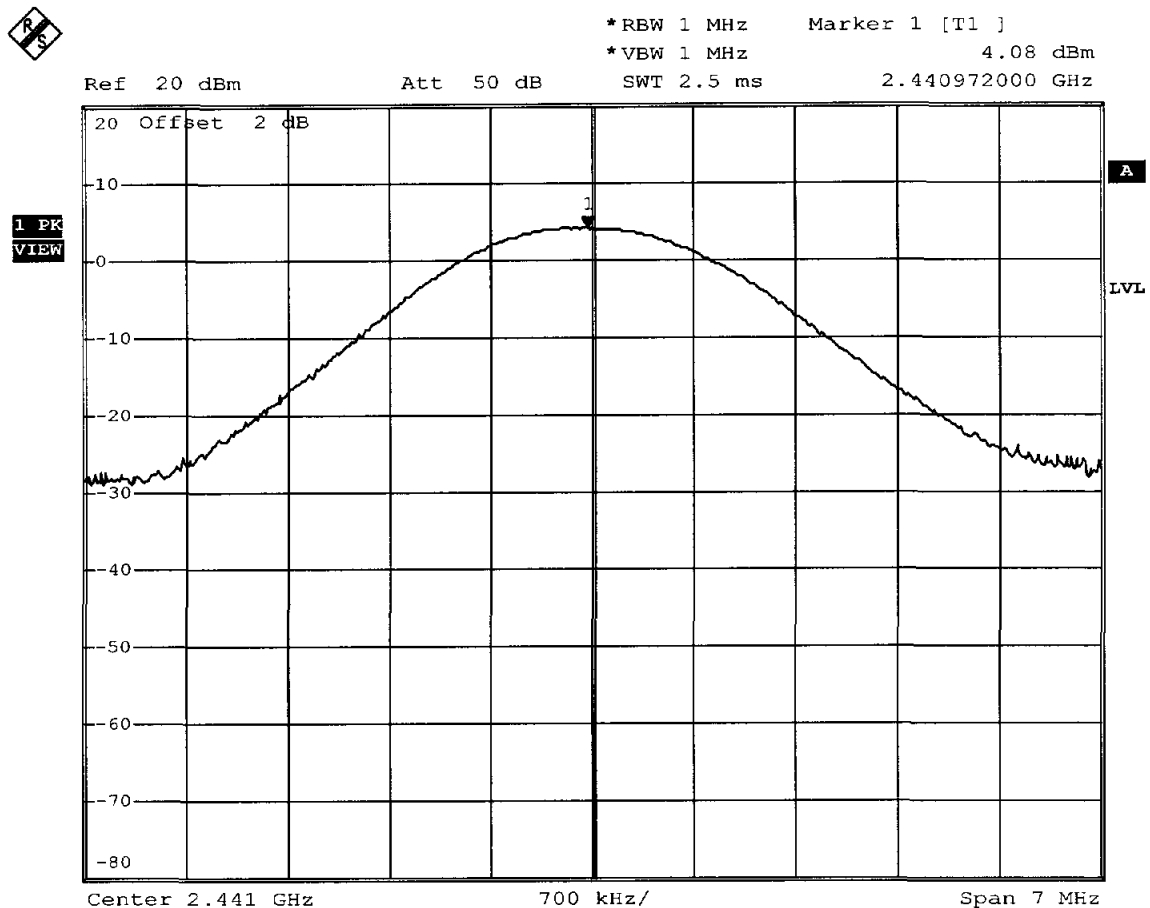
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmin / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=4.08 dBm; verdict: PASS
Date: 27.JUN.2007 10:06:25

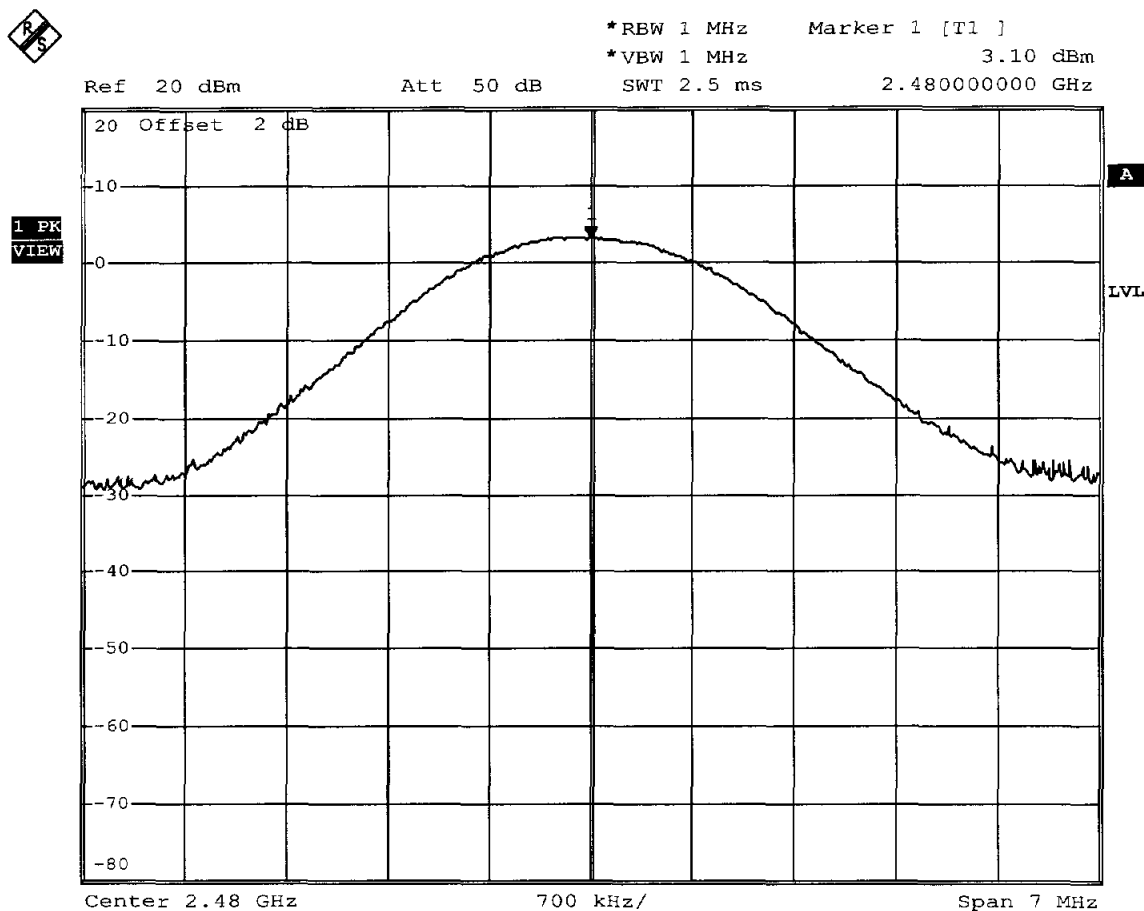
Measurement diagram

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FCC part 15.247**Peak output power conducted**

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmin / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: Output power=3.1 dBm; verdict: PASS
Date: 27.JUN.2007 10:26:59

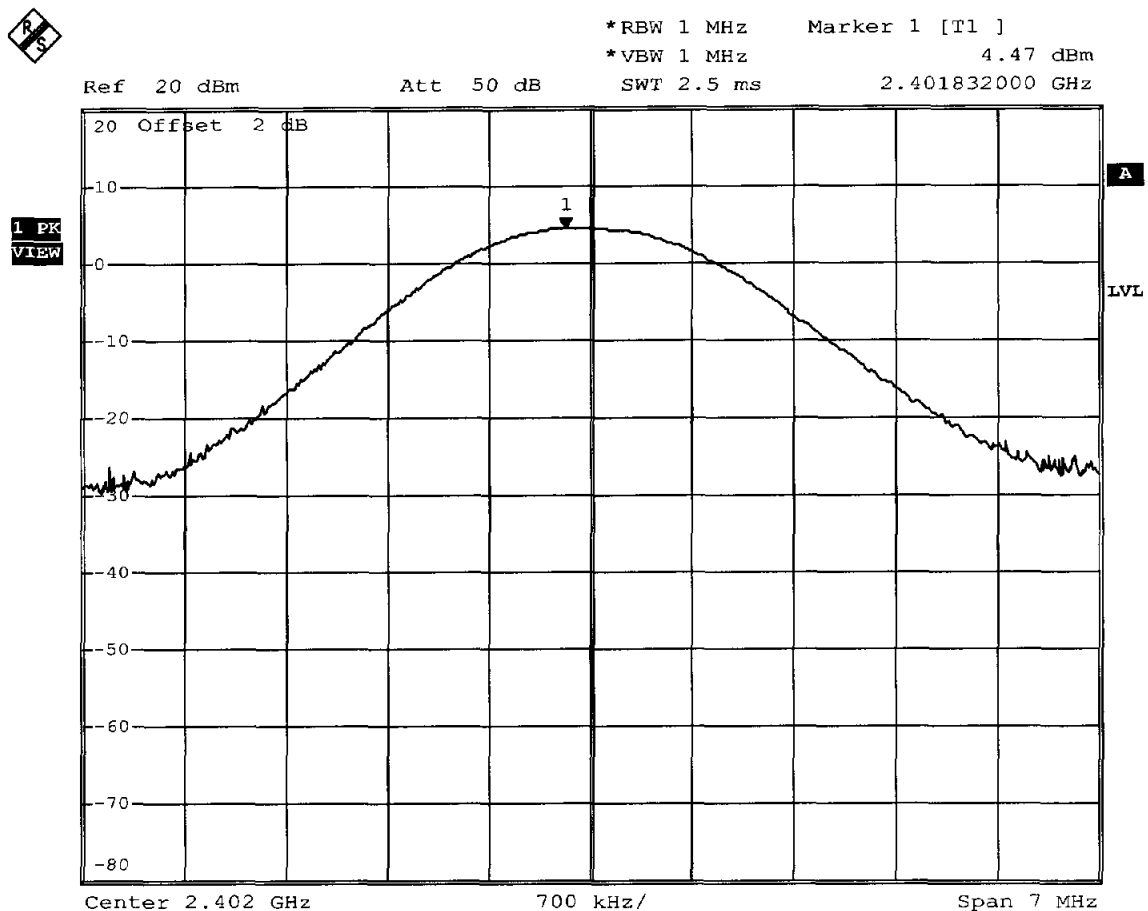
Measurement diagram

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FCC part 15.247**Peak output power conducted**

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmax / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Comment: Output power=4.47 dBm; verdict: PASS
Date: 27.JUN.2007 10:00:04

Measurement diagram

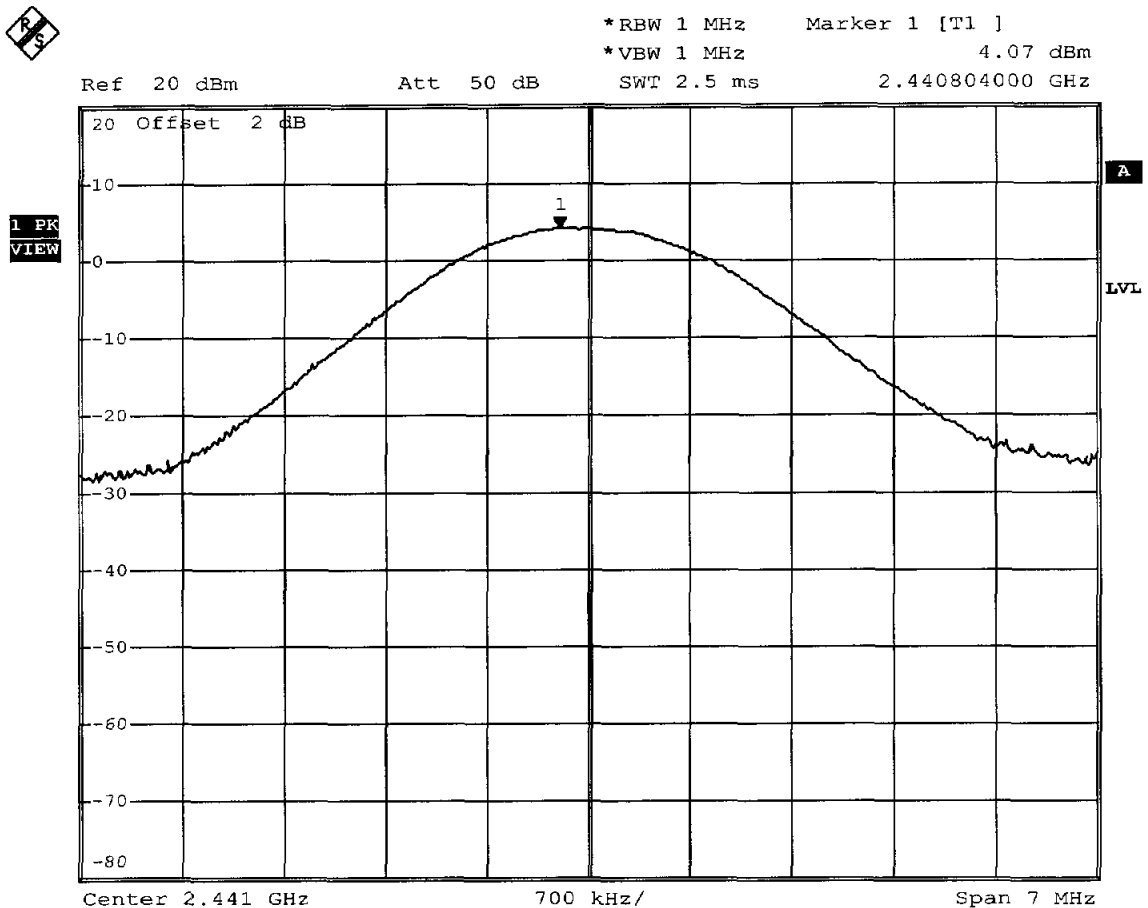
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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmax / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=4.07 dBm; verdict: PASS
Date: 27.JUN.2007 10:05:17

Measurement diagram

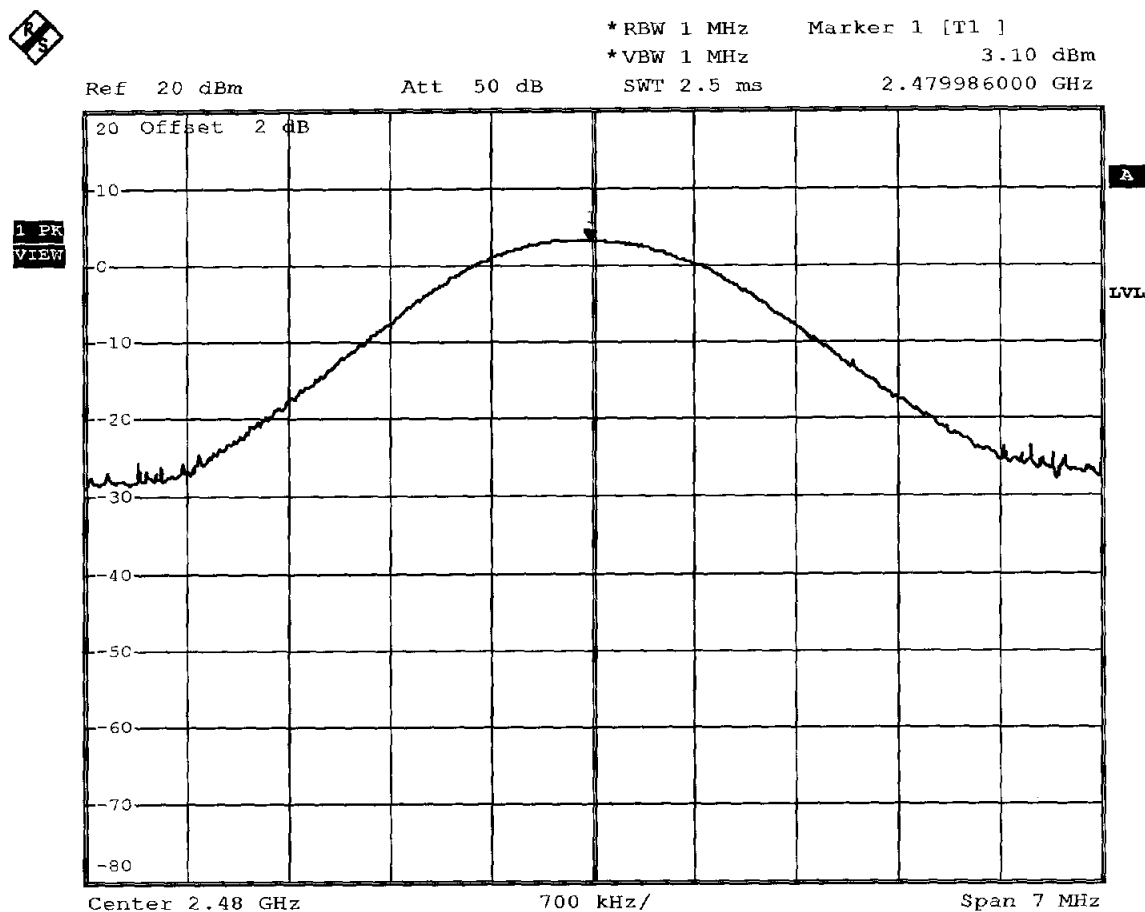
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Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vmax / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: Output power=3.1 dBm; verdict: PASS
Date: 27.JUN.2007 10:27:53

Measurement diagram

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

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Appendix C

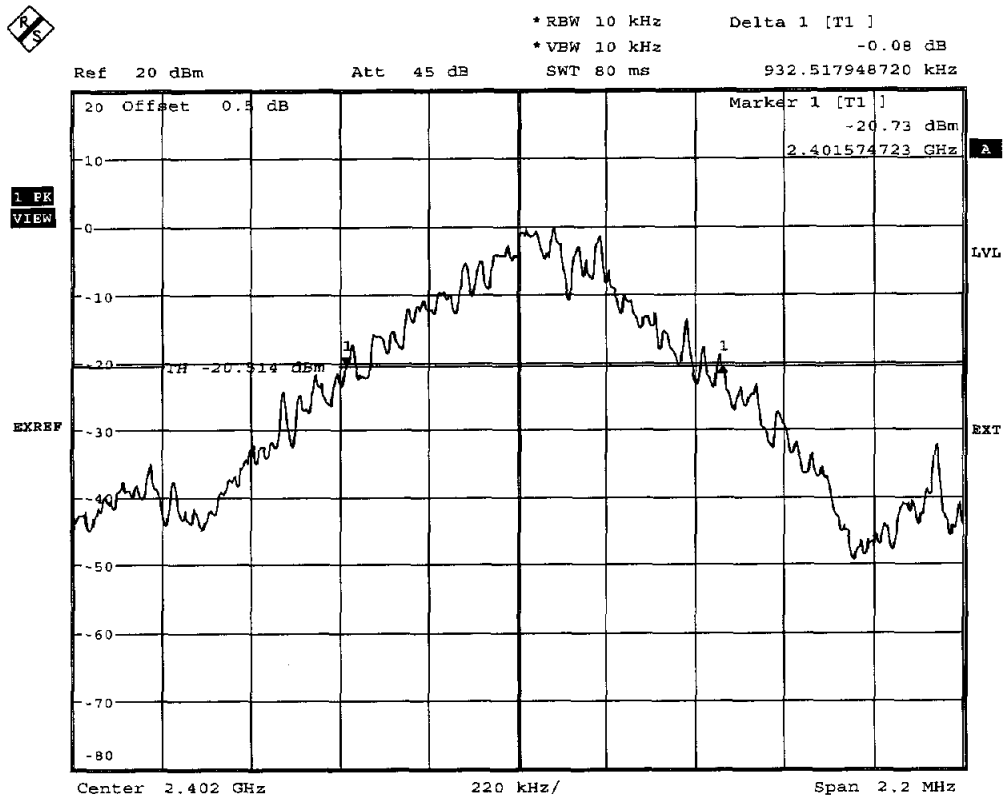
RF power output radiated (EIRP)

Appendix D

20 dB bandwidth

FCC part 15.247
20 dB bandwidth

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



20 dB bandwidth: 932.5 KHz < 1MHz; verdict: PASS
Date: 22.MAY.2007 13:18:42

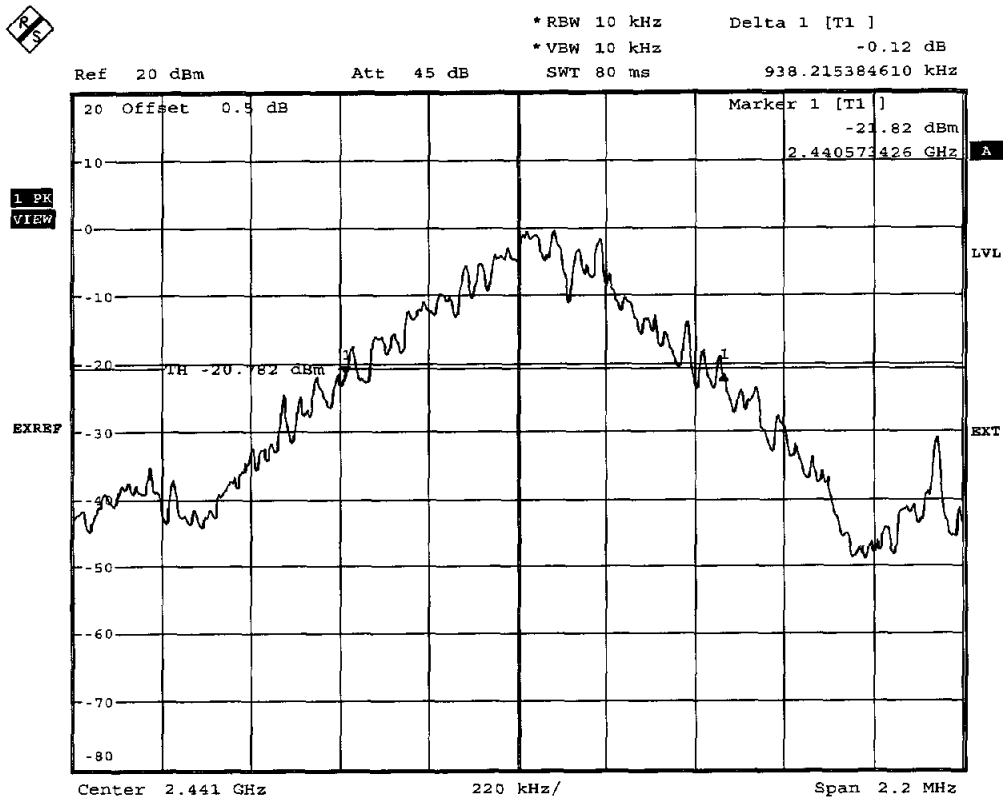
Measurement diagram

ETS Product Service AG
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FCC part 15.247
20 dB bandwidth

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



20 dB bandwidth: 938.2 KHz < 1MHz; verdict: PASS
Date: 22.MAY.2007 13:22:14

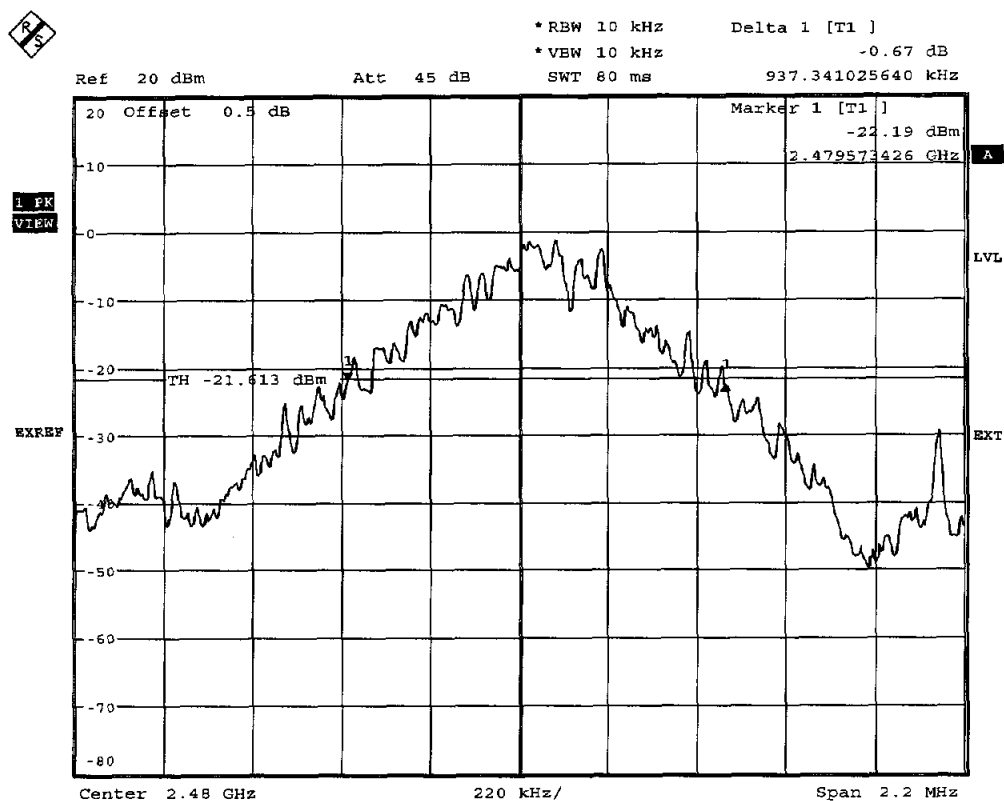
Measurement diagram

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

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FCC part 15.247
20 dB bandwidth

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



20 dB bandwidth: 937.3 KHz < 1MHz; verdict: PASS
Date: 22.MAY.2007 13:29:05

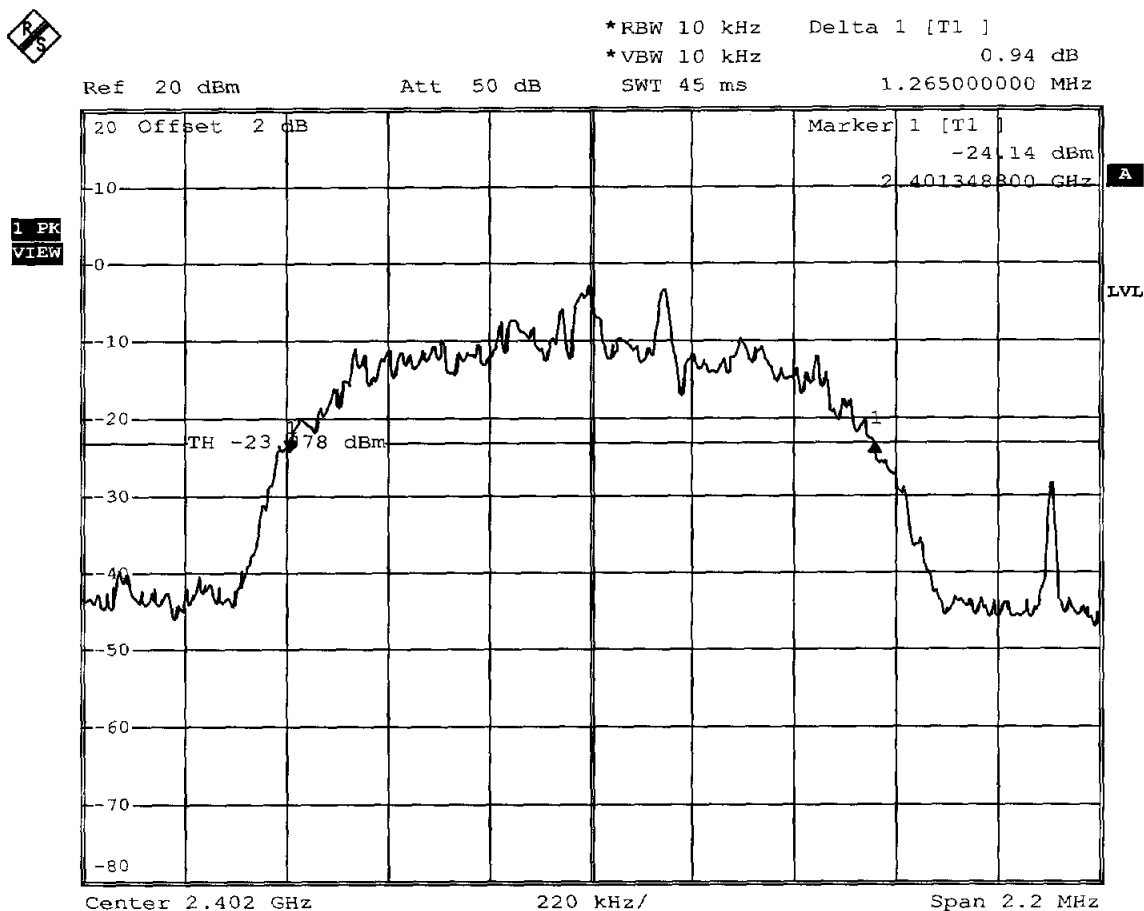
Measurement diagram

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

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FCC part 15.247
20 dB bandwidth

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vnom / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel: 0 / 2402 MHz
Comment 3	



Comment: 20 dB bandwidth: 1265 KHz
Date: 27.JUN.2007 10:40:41

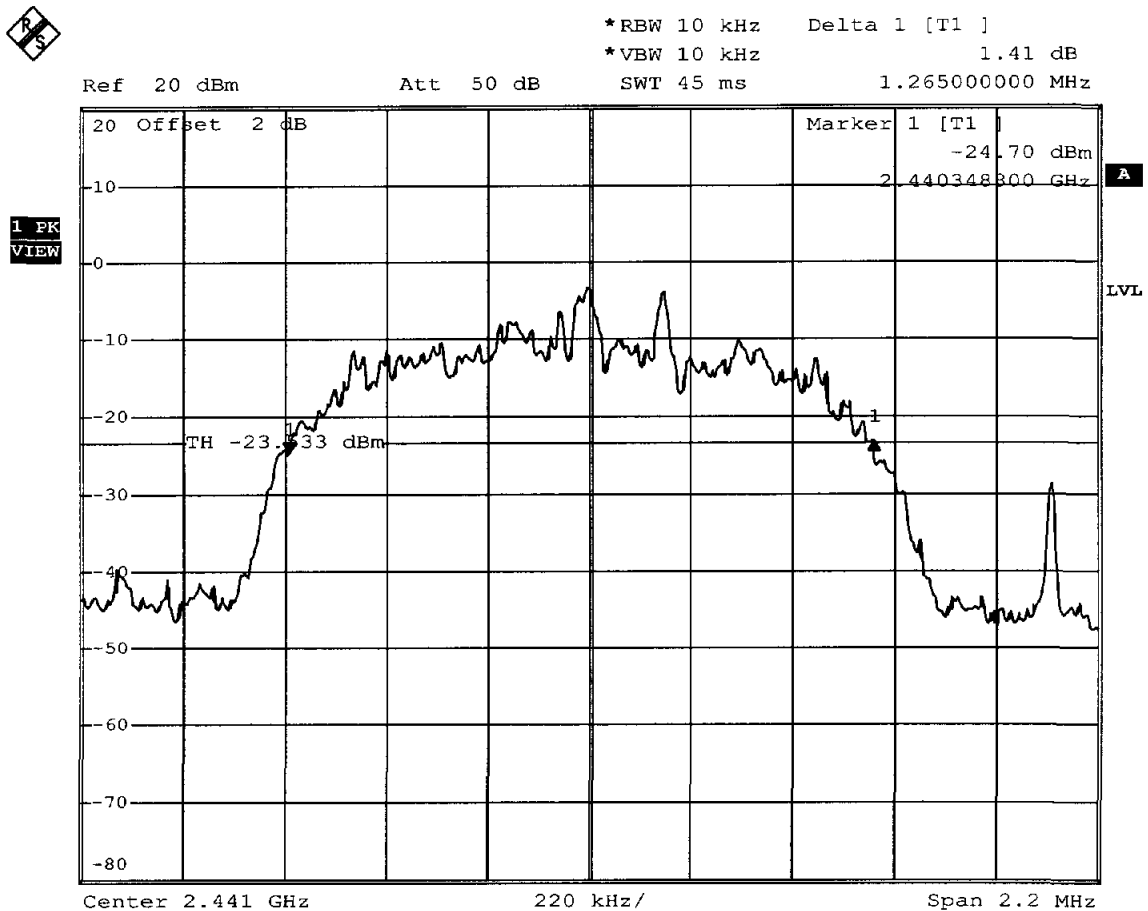
Measurement diagram

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FCC part 15.247
20 dB bandwidth

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vnom / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: 20 dB bandwidth: 1265 KHz
Date: 27.JUN.2007 10:38:18

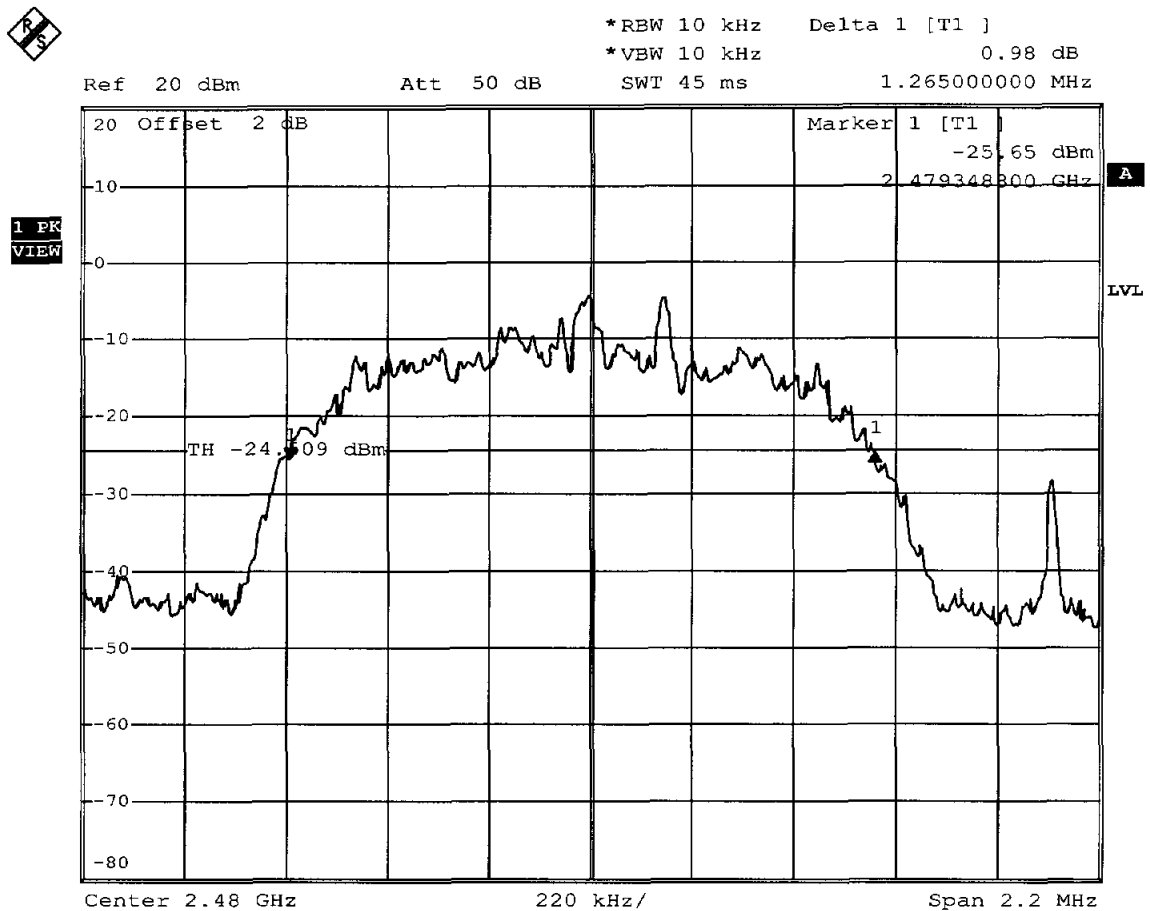
Measurement diagram

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FCC part 15.247
20 dB bandwidth

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vnom / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: 20 dB bandwidth: 1265 KHz
Date: 27.JUN.2007 10:34:46

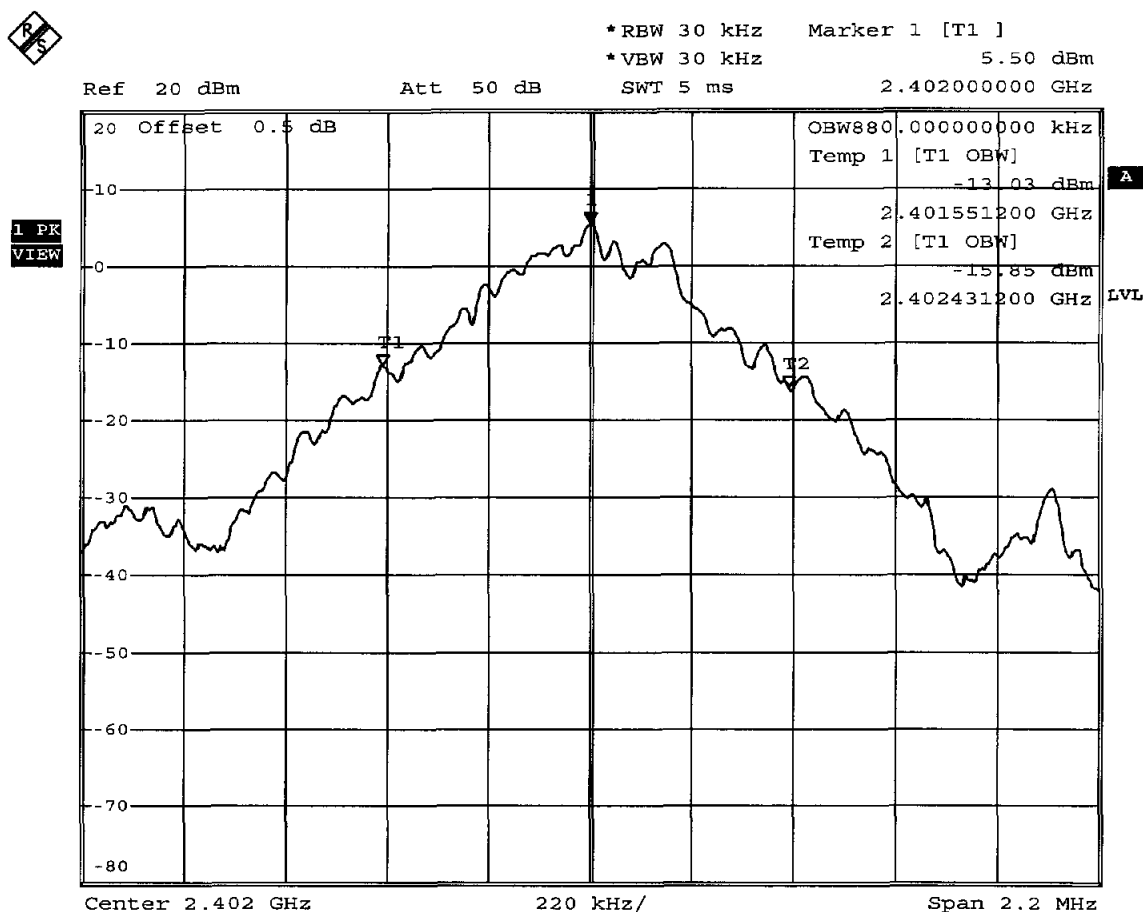
Measurement diagram

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RSS Gen
Occupied Bandwidth

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 0 / 2402 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	



Comment: Occupied bandwidth: 880 KHz
Date: 24.MAY.2007 13:41:59

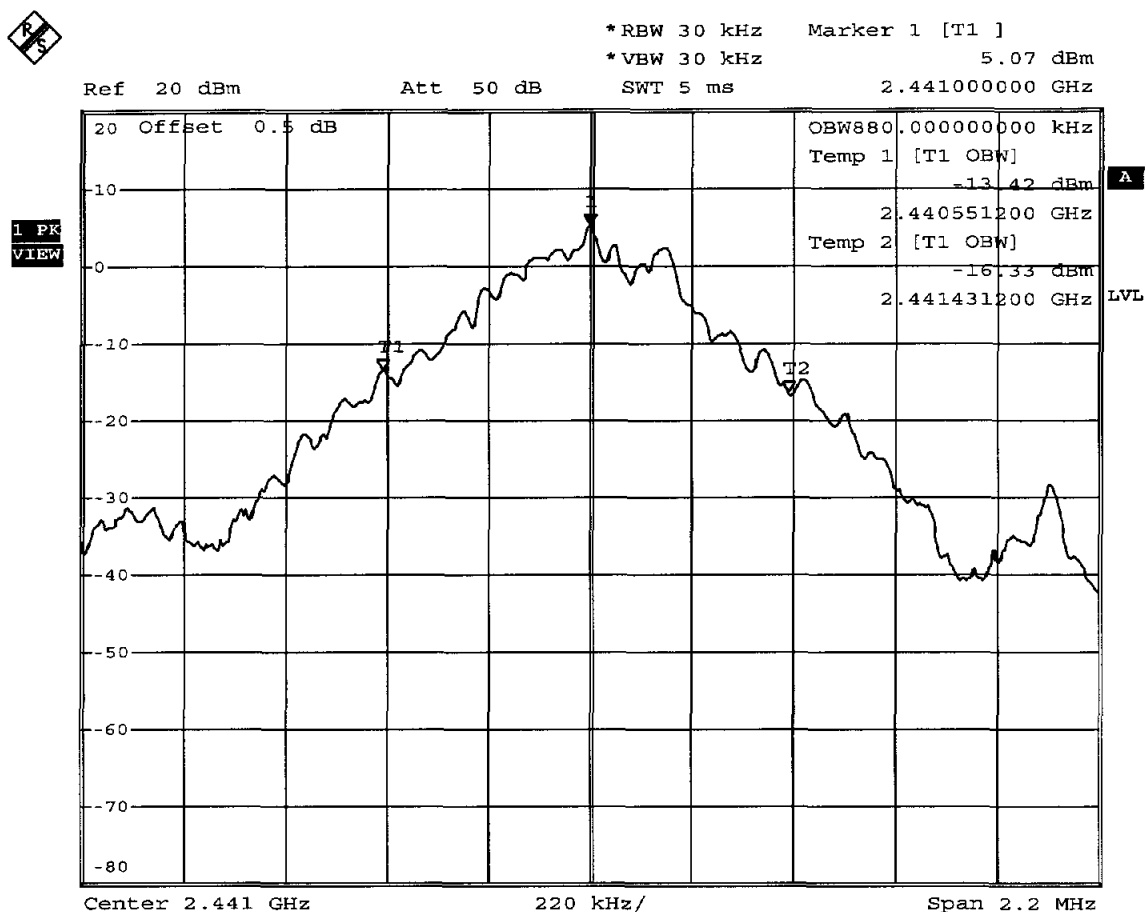
Measurement diagram

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

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RSS Gen
Occupied Bandwidth

EUT Low Power Bluetooth module with Antenna
Model F2M03GLA
Approval Holder Free2move AB
Temperature / Voltage 25°C / Vnom
Test Site / Operator ETS Product Service AG / Mr. Treffke
Test Specification 4.4.1 Occupied Bandwidth
Comment 1 Channel.: 39 / 2441 MHz
Comment 2 A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3



Comment: Occupied bandwidth: 880 KHz
Date: 24.MAY.2007 13:45:26

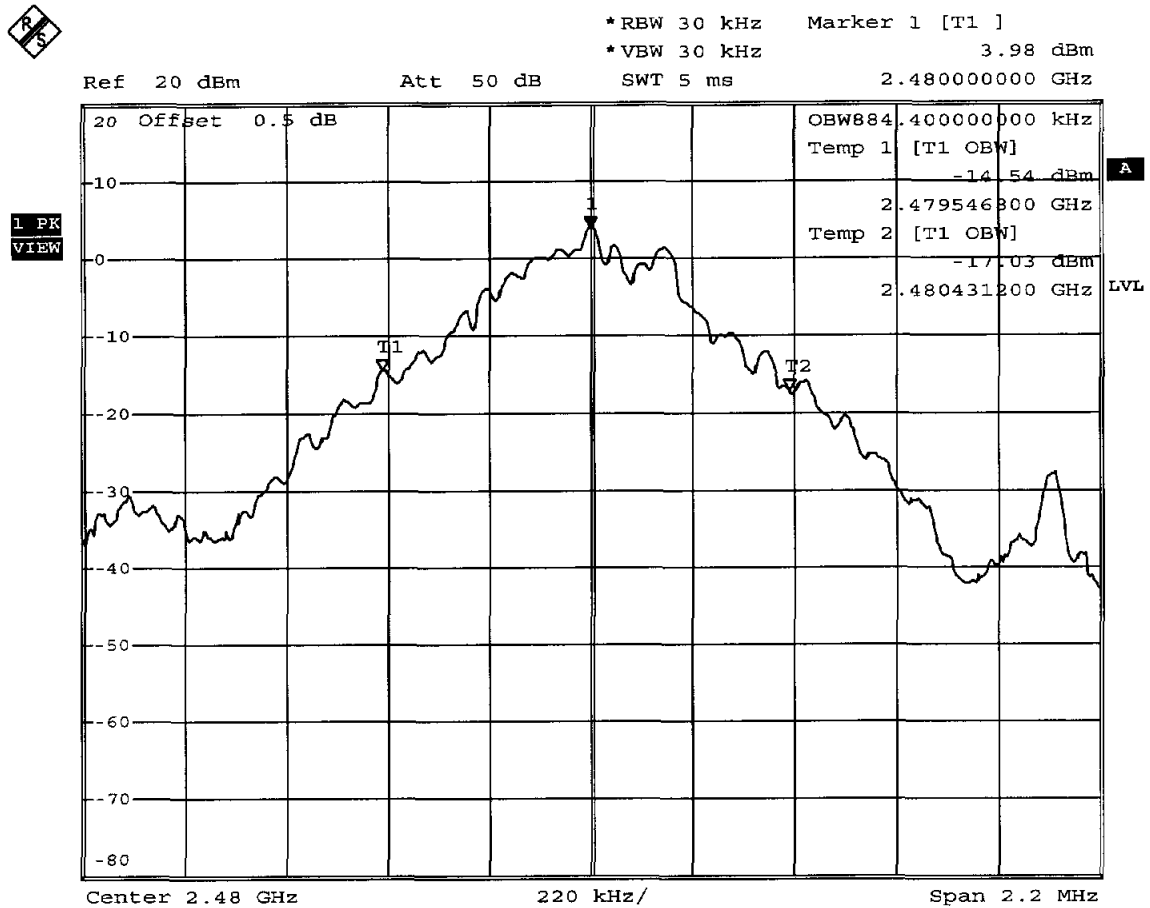
Measurement diagram

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

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RSS Gen Occupied Bandwidth

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 78 / 2480 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	



Comment: Occupied bandwidth: 884.4 KHz
 Date: 24.MAY.2007 13:47:13

Measurement diagram

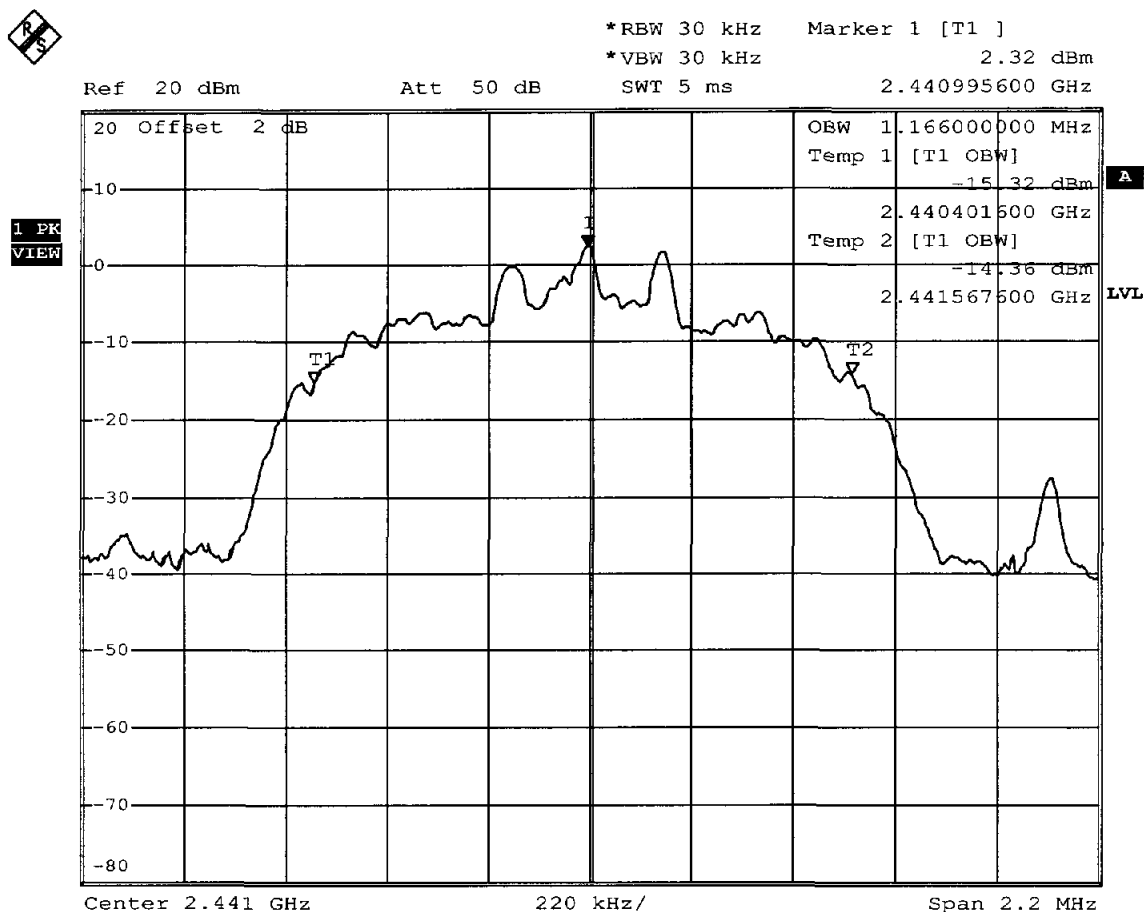
ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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EUT Model	Low Power Bluetooth module with antenna F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vnom / modulation: 3DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 0 / 2402 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	

RSS Gen
Occupied Bandwidth

EUT Low Power Bluetooth module with antenna
Model F2M03GLA
Approval Holder Free2move AB
Temperature / Voltage 23°C / Vnom / modulation: 3-DH5
Test Site / Operator ETS Product Service AG / Mr. Treffke
Test Specification 4.4.1 Occupied Bandwidth
Comment 1 Channel.: 39 / 2441 MHz
Comment 2 A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3



Comment: Occupied bandwidth: 1166 KHz
Date: 27.JUN.2007 14:19:00

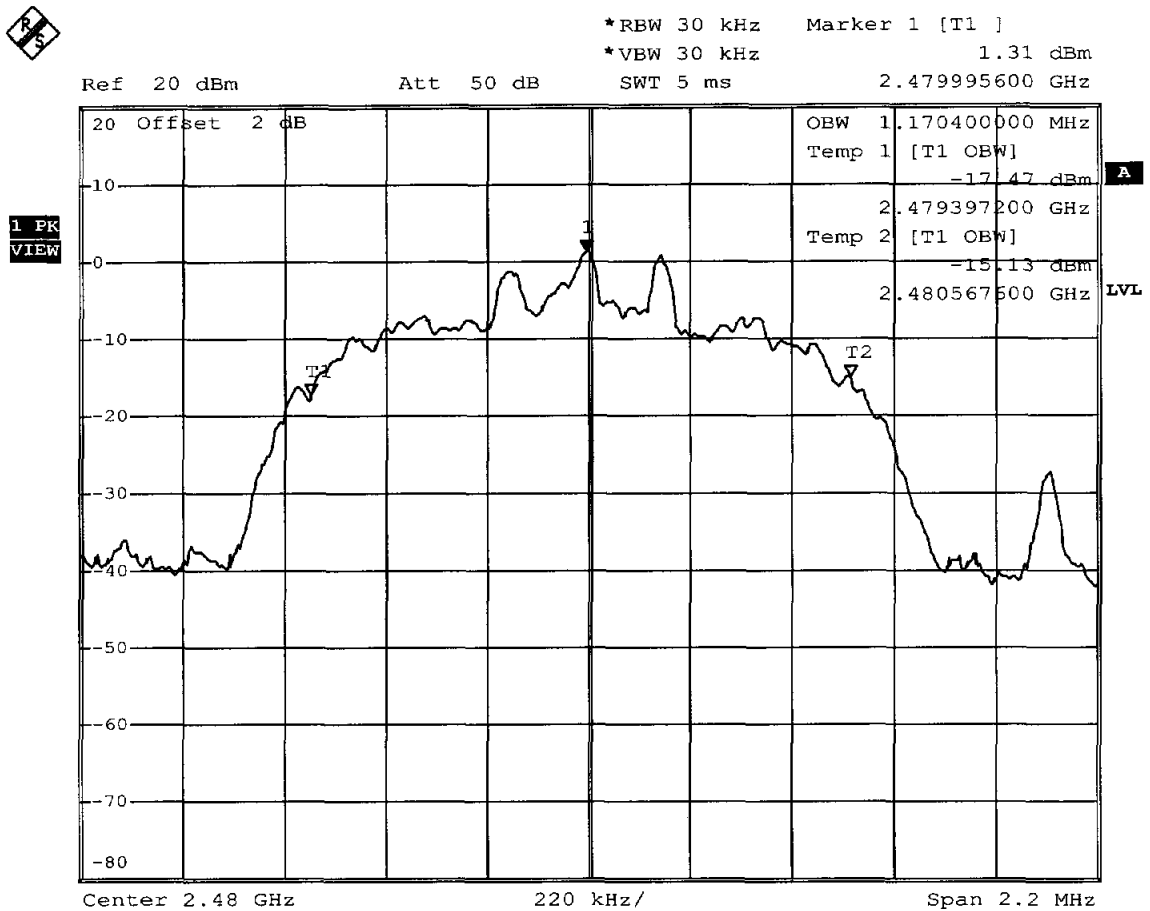
Measurement diagram

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

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**RSS Gen
Occupied Bandwidth**

EUT	Low Power Bluetooth module with antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	23°C / Vnom / modulation: 3-DH5
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 78 / 2480 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	



Comment: Occupied bandwidth: 1170.4 KHz
Date: 27.JUN.2007 14:21:37

Measurement diagram

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

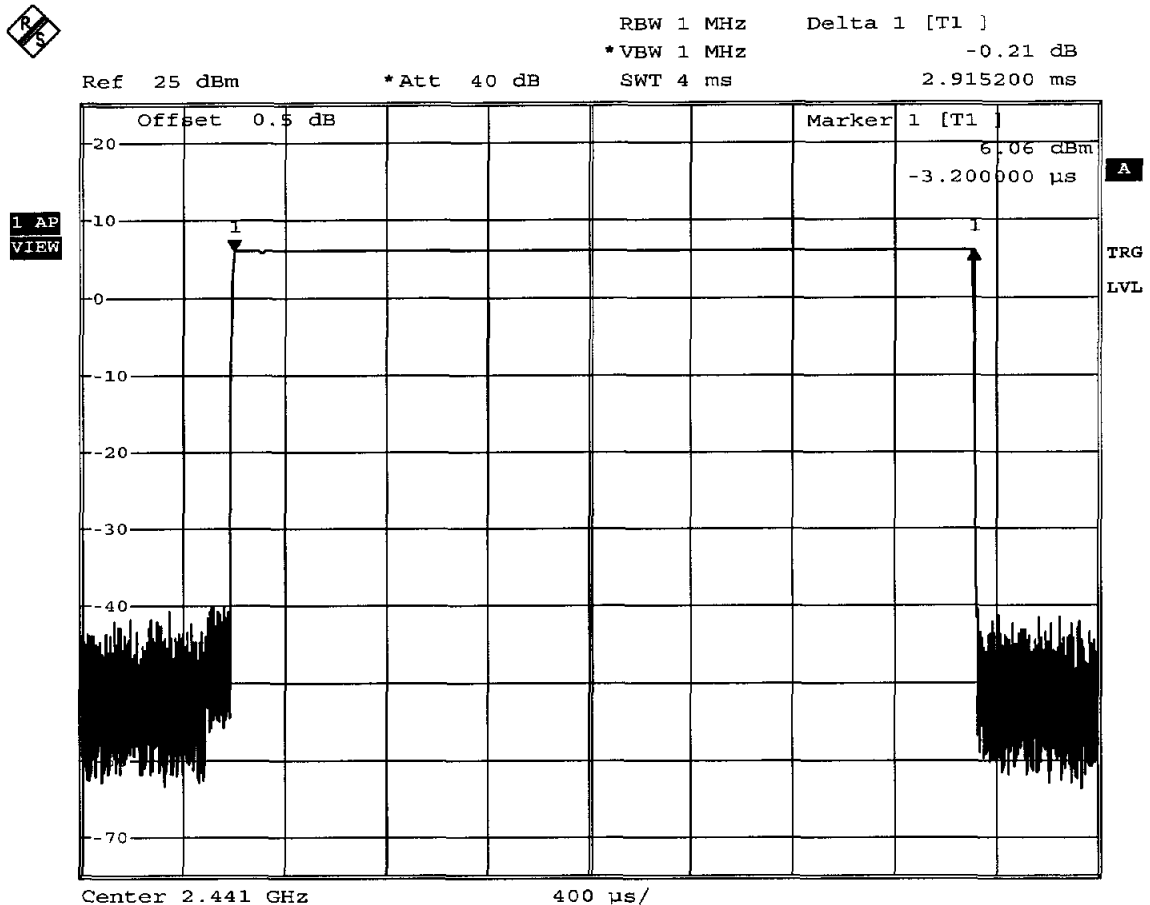
Page 1 of 1

Appendix E

Time of occupancy (dwell time)

FCC part 15.247**Time of occupancy (dwell time)**

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Time of occupancy
Comment 2	Channel.: 39 / 2441 MHz (Hopping mode)
Comment 3	62 events * 2.915 ms result: 180.73 ms



Comment: Burst length=2.9152 ms
Date: 24.MAY.2007 12:28:57

Measurement diagram

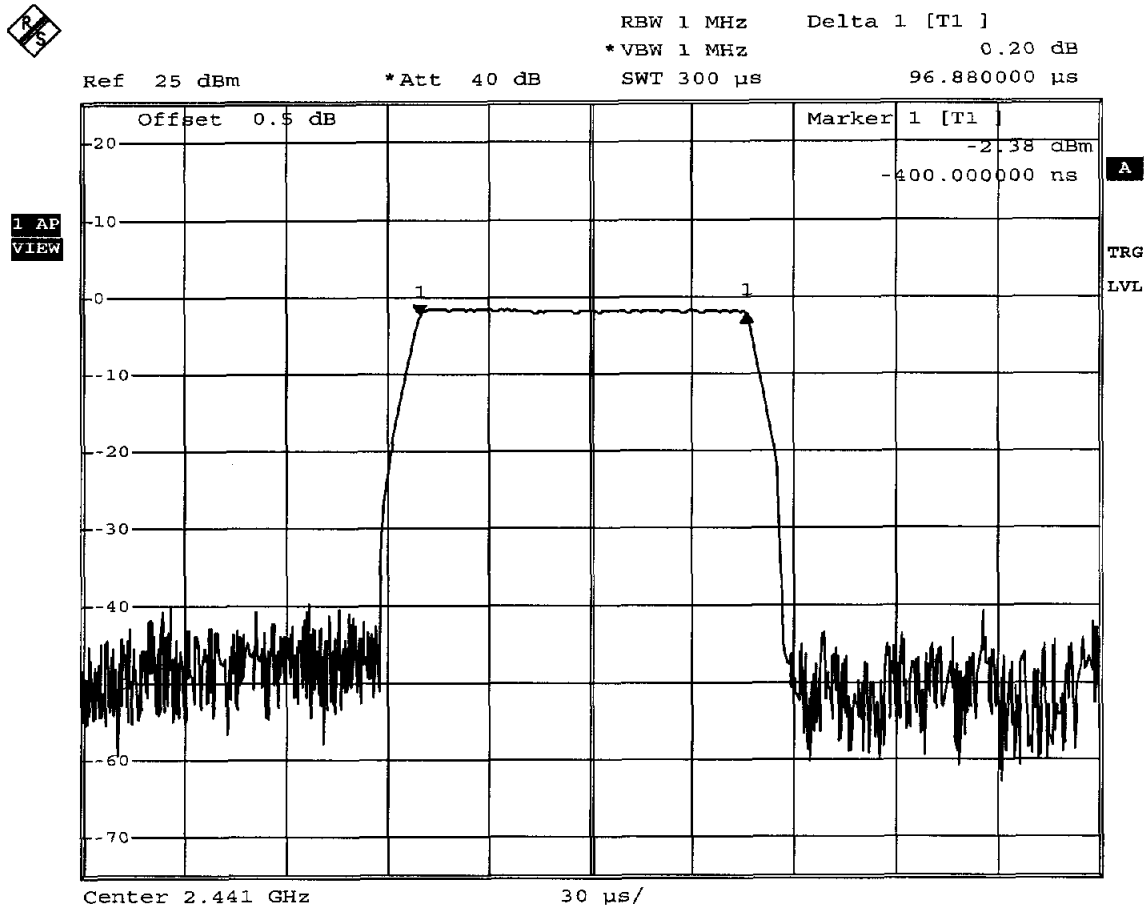
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Time of occupancy inquiry

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Time of occupancy inquiry
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	506 events * 0.09688 ms result: 48.73 ms



Comment: Burst length=0.09688 ms

Date: 24.MAY.2007 12:38:51

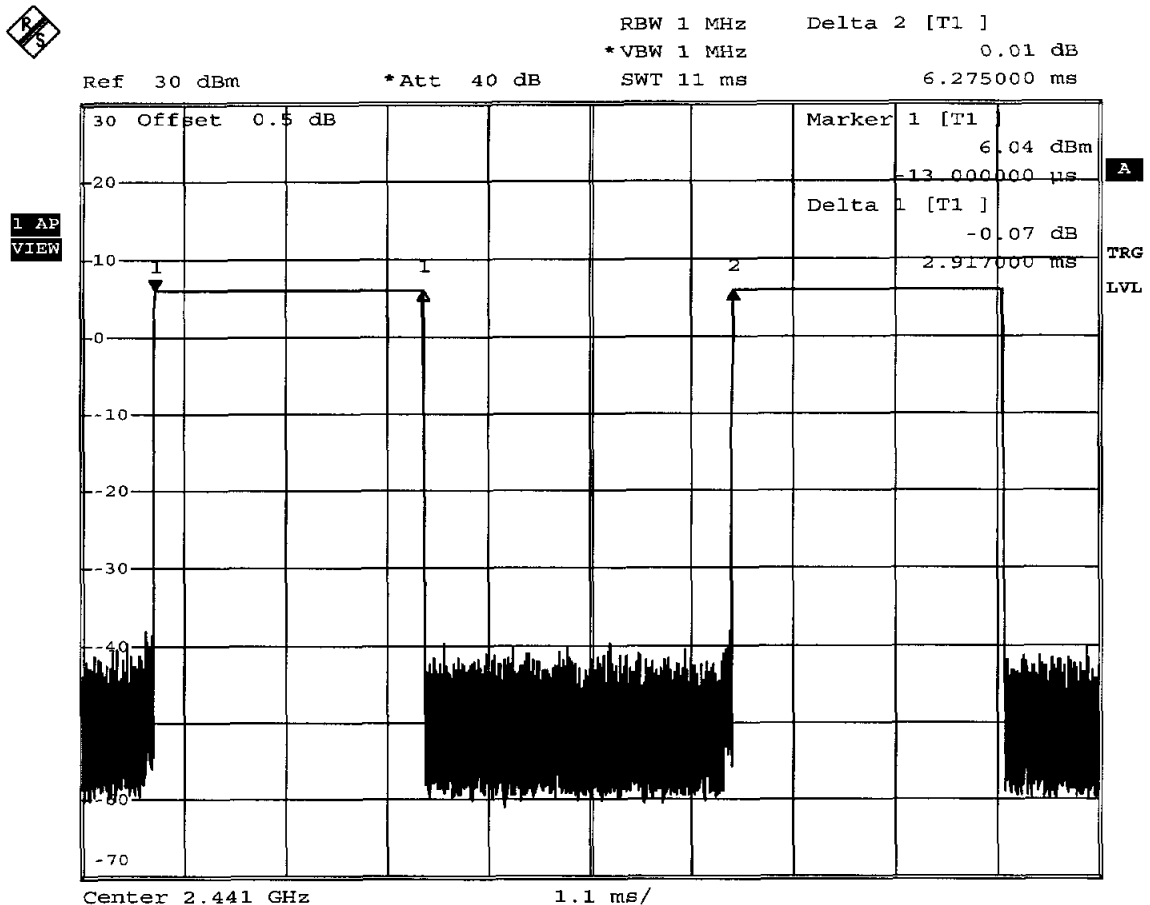
Measurement diagram

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

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FCC part 15.247
Duty cycle

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Duty cycle
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Duty cycle=0.46
Date: 24.MAY.2007 12:25:12

Measurement diagram

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

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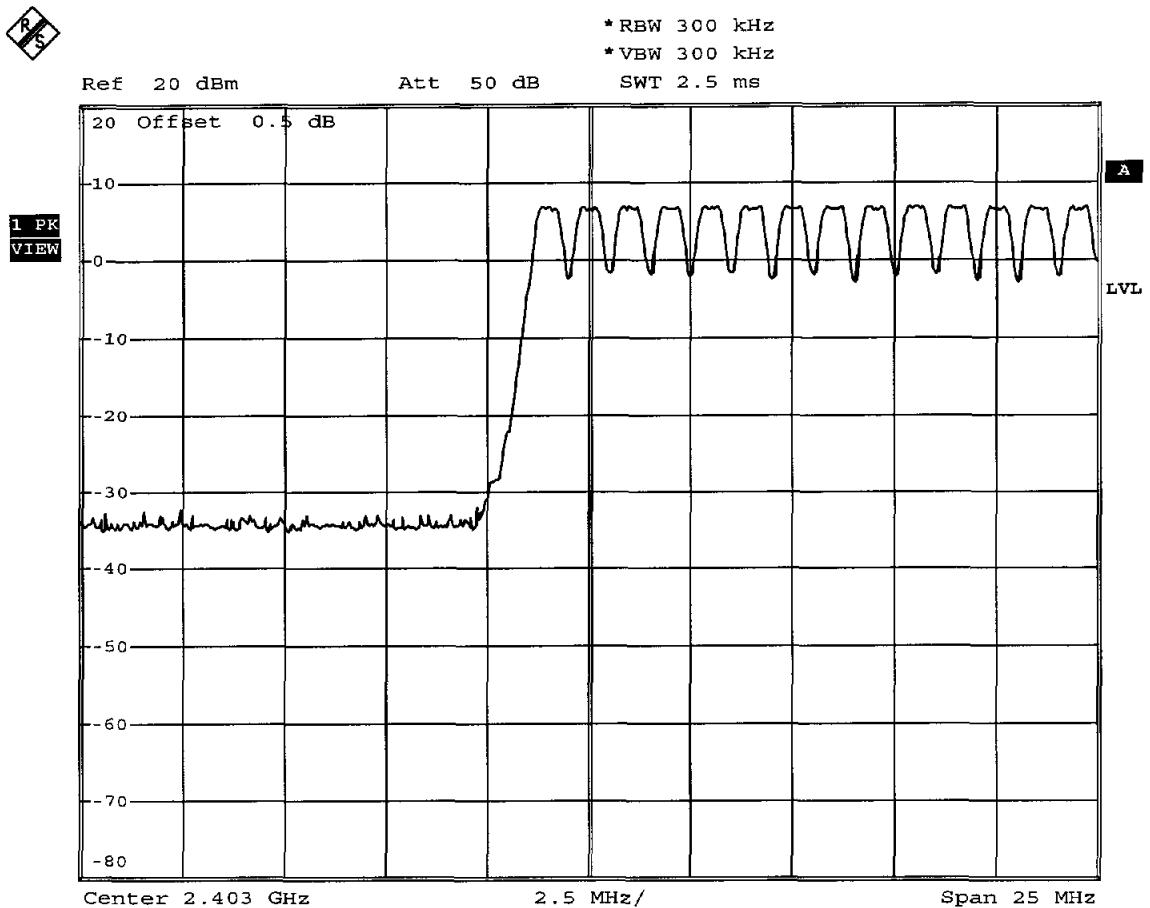
Appendix F

Number of hopping frequencies

FCC part 15.247

Number of hopping frequencies

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 0-13
Comment 3	



Comment: Number of hopping frequencies

Date: 24.MAY.2007 13:24:43

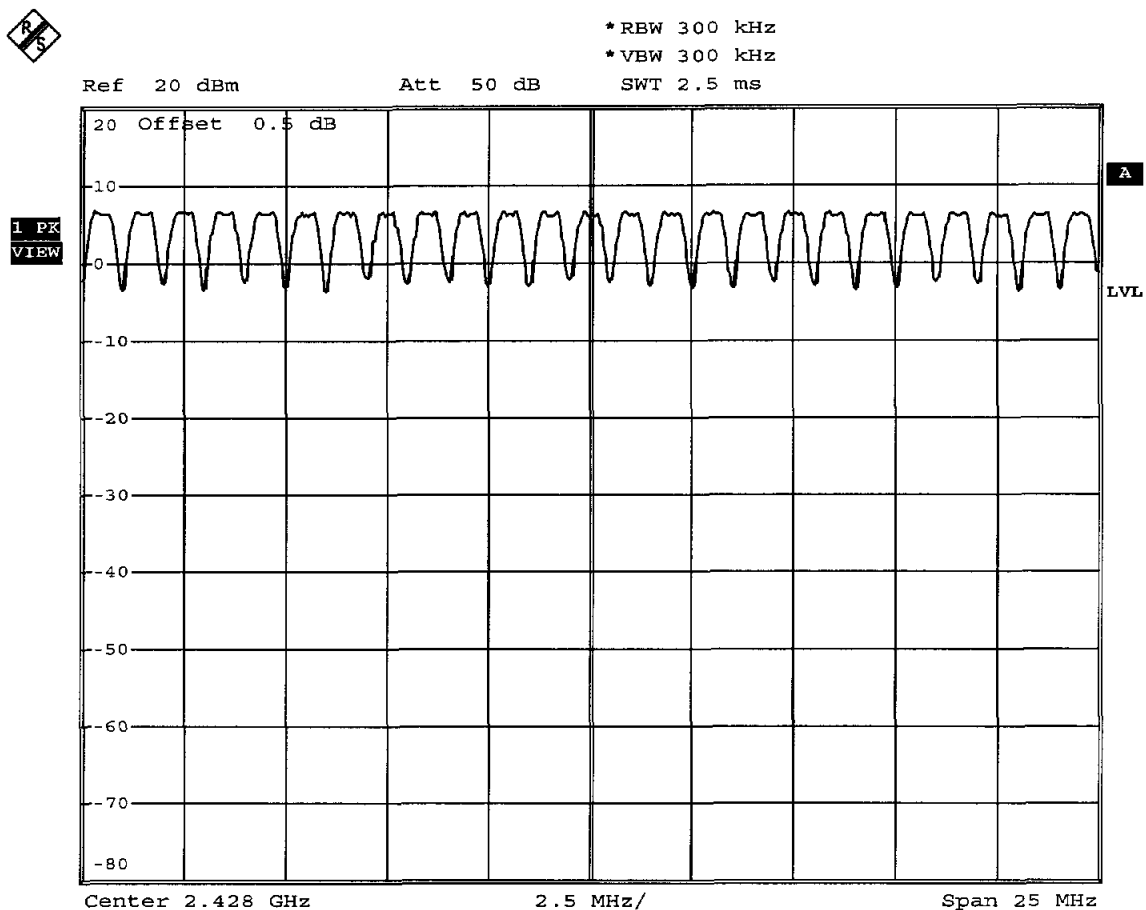
Measurement diagram

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

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FCC part 15.247
Number of hopping frequencies

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 14-38
Comment 3	



Comment: Number of hopping frequencies
Date: 24.MAY.2007 13:27:13

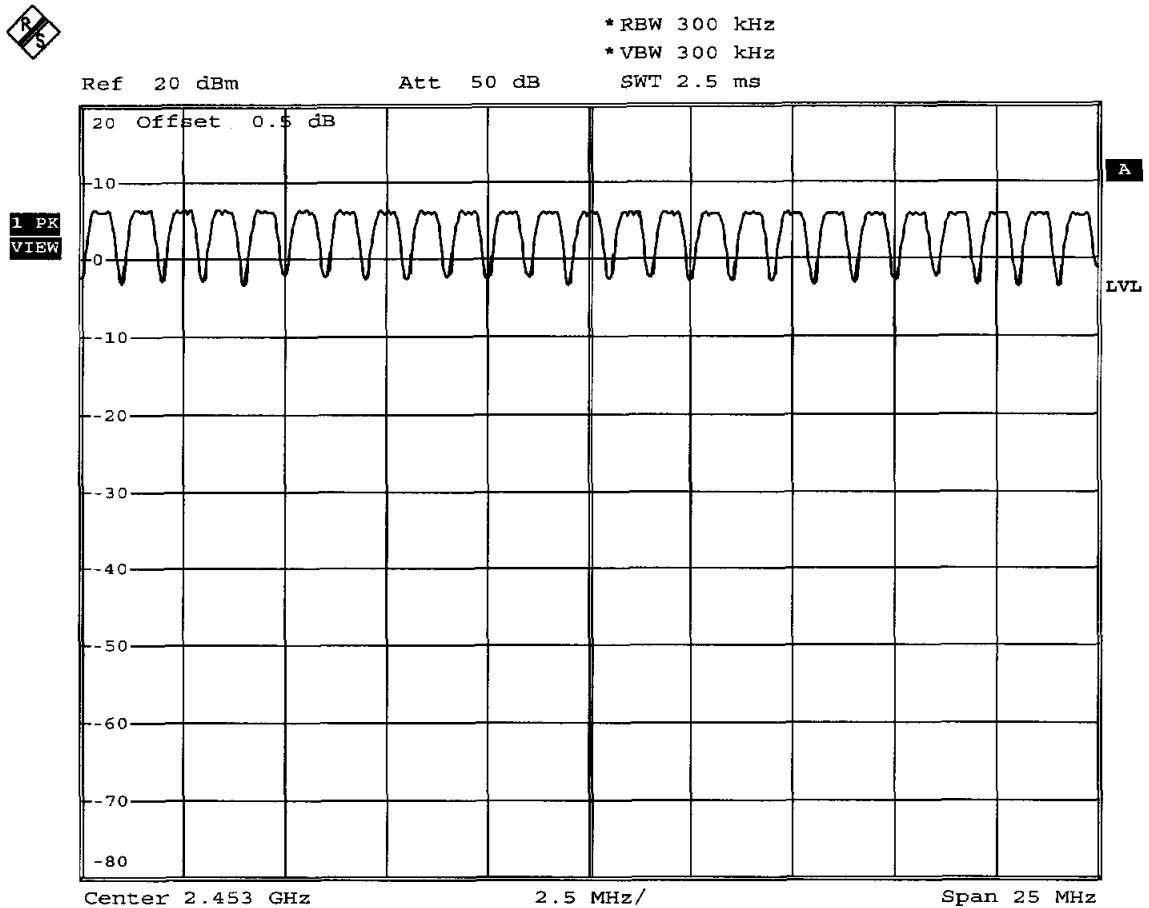
Measurement diagram

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

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FCC part 15.247
Number of hopping frequencies

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.:39-63
Comment 3	



Comment: Number of hopping frequencies
Date: 24.MAY.2007 13:36:03

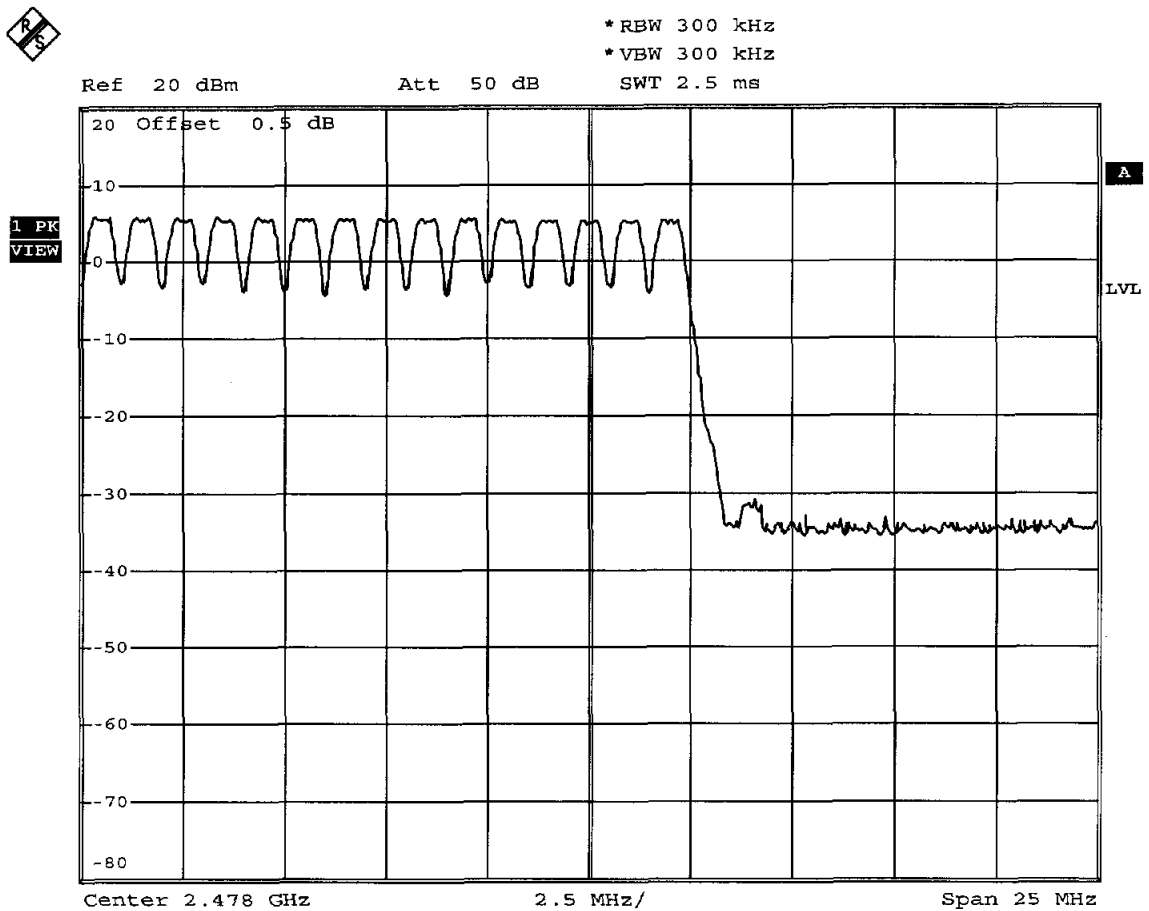
Measurement diagram

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

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FCC part 15.247
Number of hopping frequencies

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 64-78
Comment 3	



Comment: Number of hopping frequencies
Date: 24.MAY.2007 13:38:29

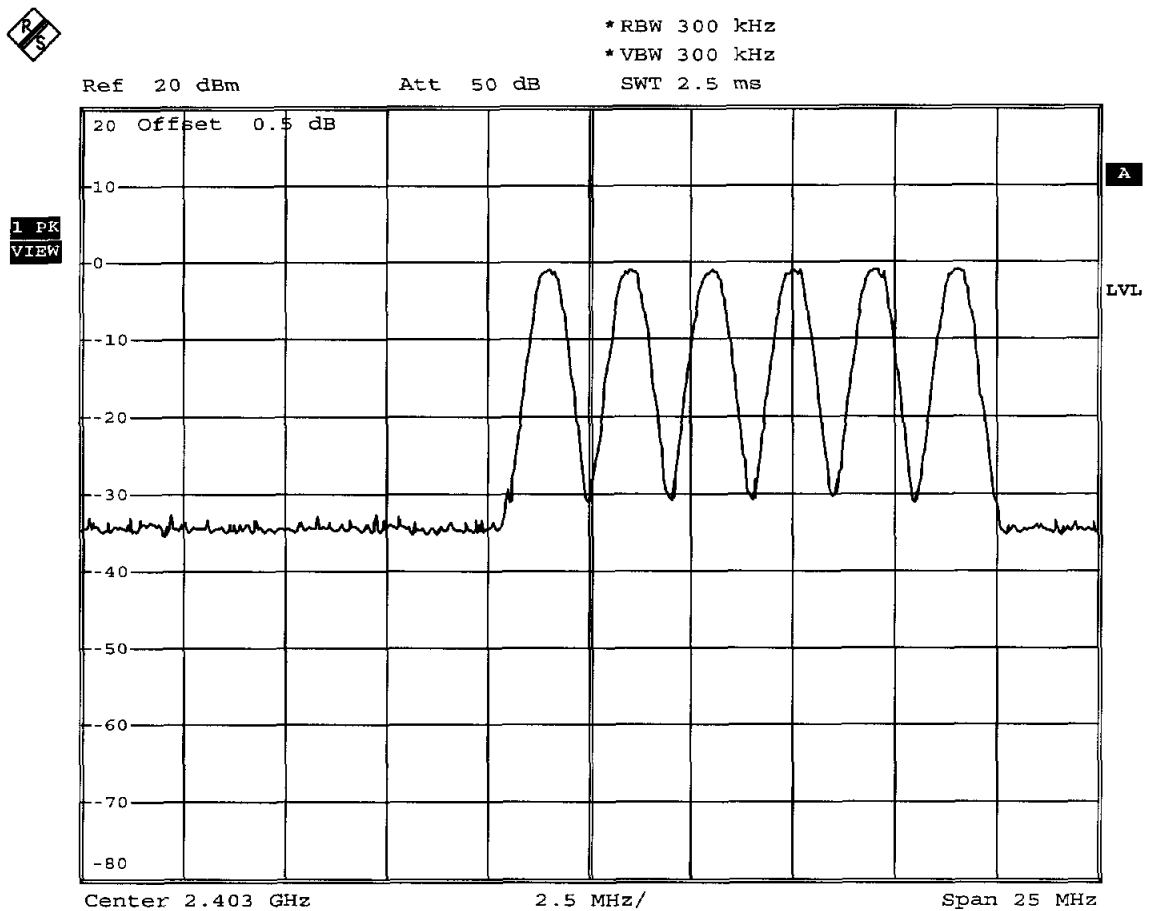
Measurement diagram

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

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FCC part 15.247
Number of hopping frequencies

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Master inquiry mode
Comment 3	Channel.: 1-6



Comment: Number of hopping frequencies
Date: 24.MAY.2007 12:46:55

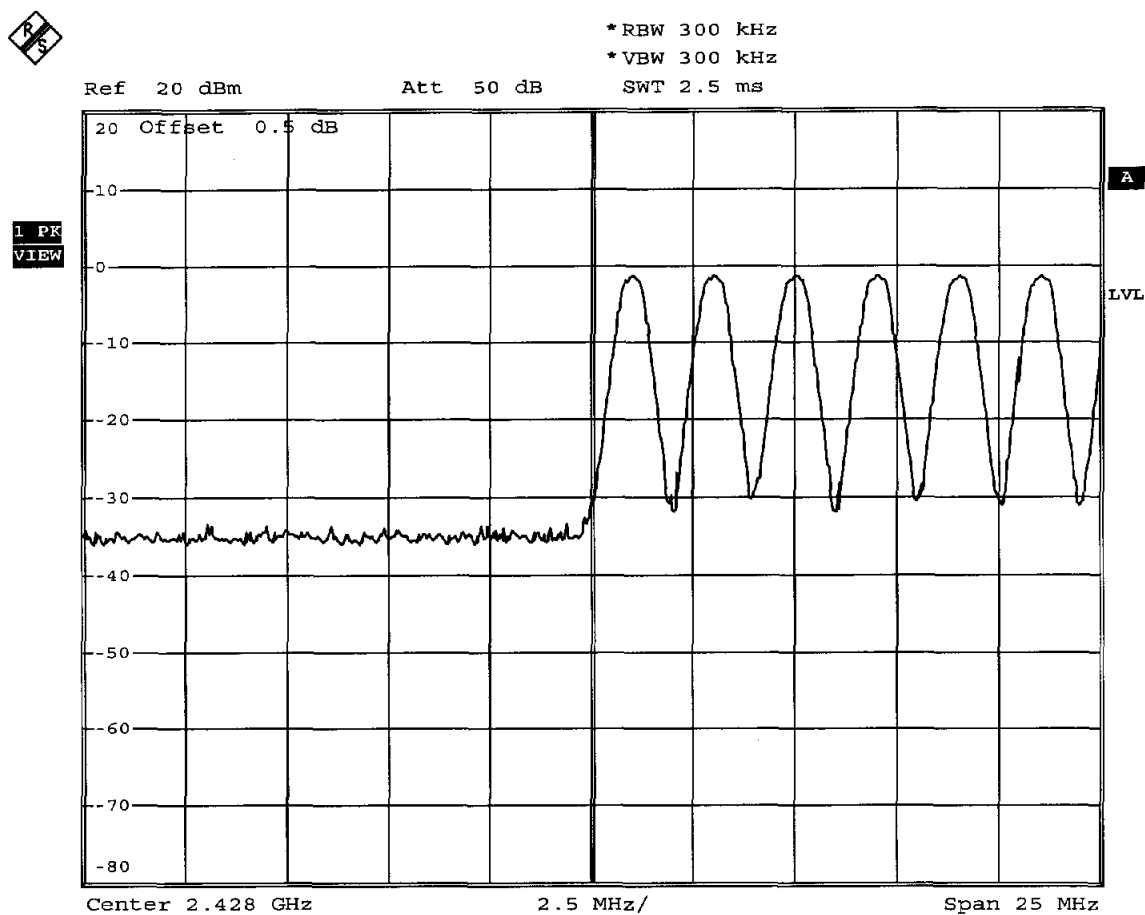
Measurement diagram

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

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FCC part 15.247**Number of hopping frequencies**

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Master inquiry mode
Comment 3	Channel.: 7-12



Comment: Number of hopping frequencies

Date: 24.MAY.2007 13:10:34

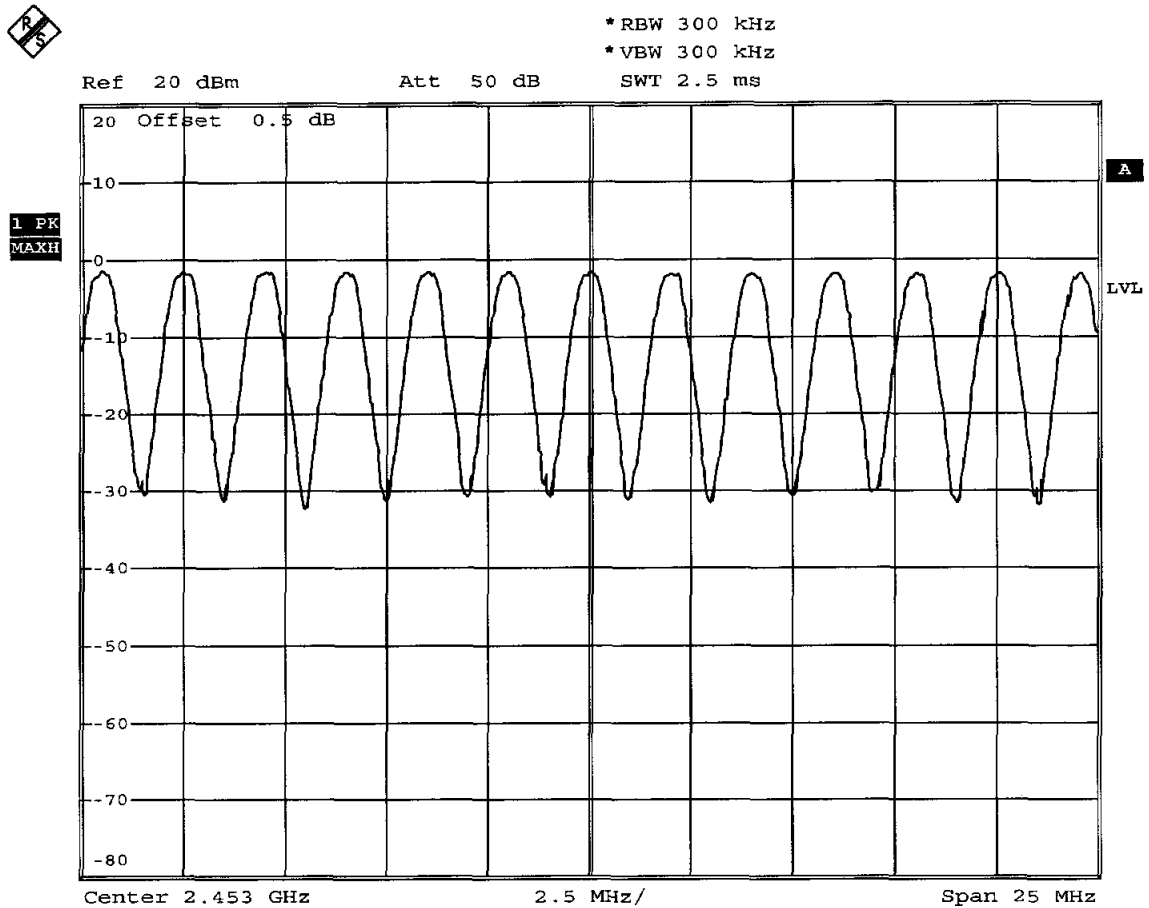
Measurement diagram

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

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FCC part 15.247
Number of inquiry frequencies

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of inquiry frequencies
Comment 2	Master inquiry mode
Comment 3	Channel.: 13-25



Comment: Number of hopping frequencies
Date: 24.MAY.2007 13:13:15

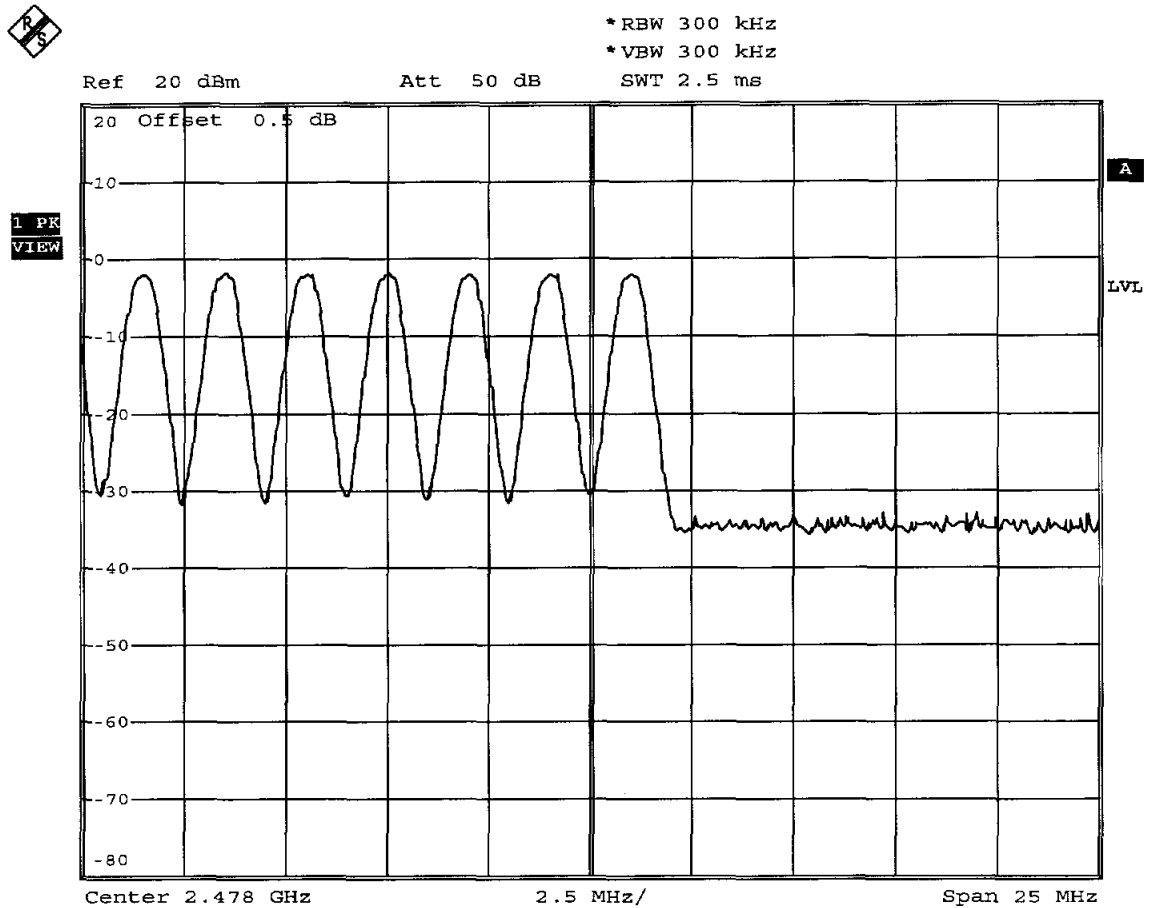
Measurement diagram

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

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FCC part 15.247
Number of inquiry frequencies

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of inquiry frequencies
Comment 2	Master inquiry mode
Comment 3	Channel.: 26-32



Comment: Number of hopping frequencies
Date: 24.MAY.2007 13:17:47

Measurement diagram

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

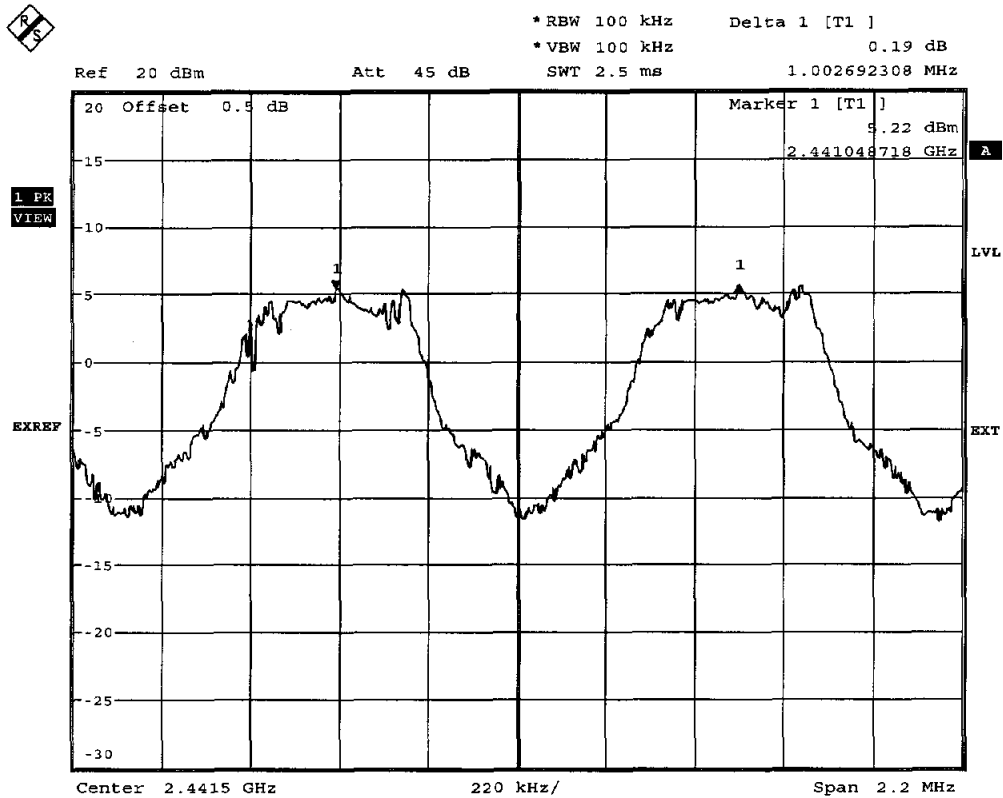
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Appendix G

Carrier frequency separation

FCC part 15.247
Carrier frequency separation

EUT	Low Power Bluetooth module with Antenna
Model	F2M03GLA
Approval Holder	Free2move AB
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Carrier frequency separation
Comment 2	Channel.: 39/40 / 2441/2442 MHz
Comment 3	Hopping mode



Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass
Date: 22.MAY.2007 13:55:46

Measurement diagram

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

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Appendix H

Spurious emission conducted

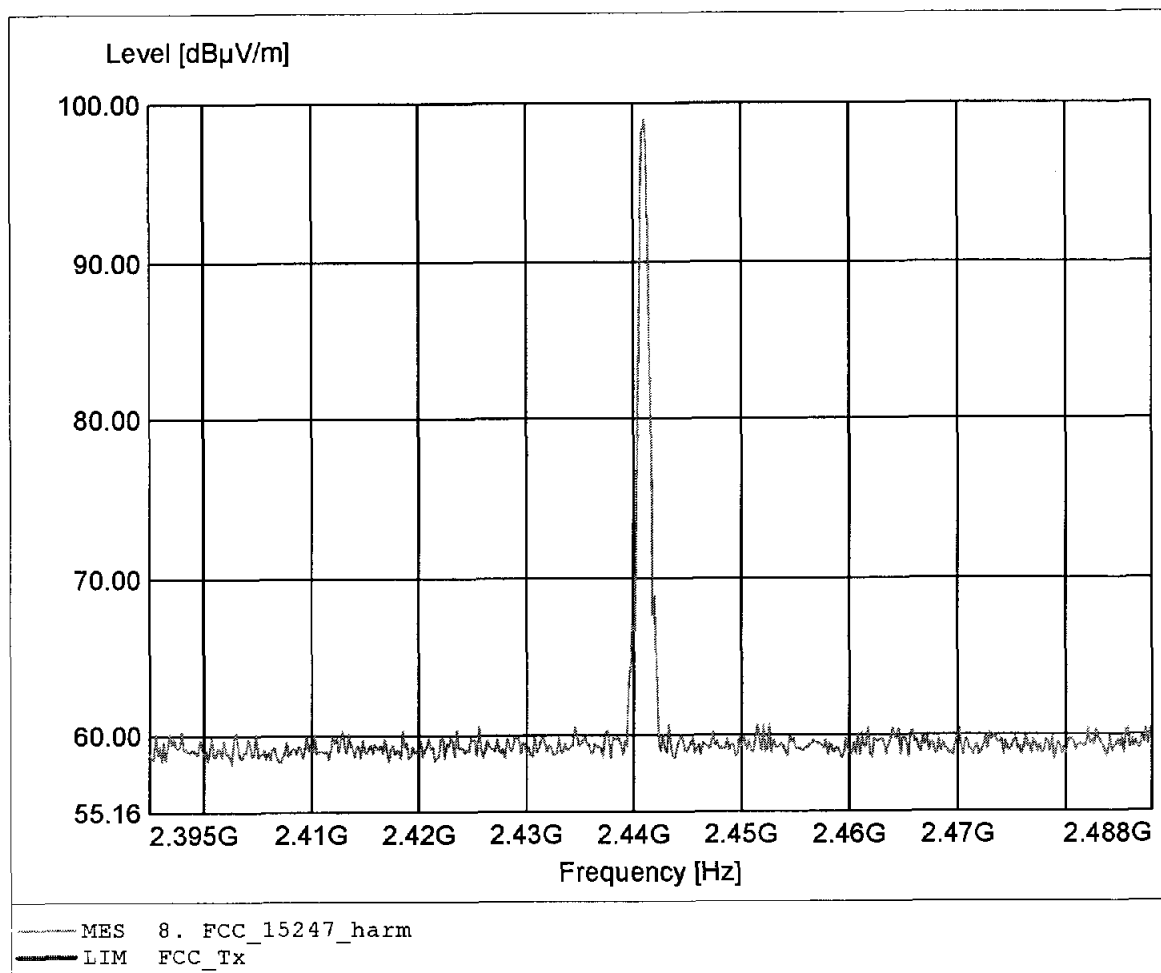
Appendix I

Spurious emission radiated

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

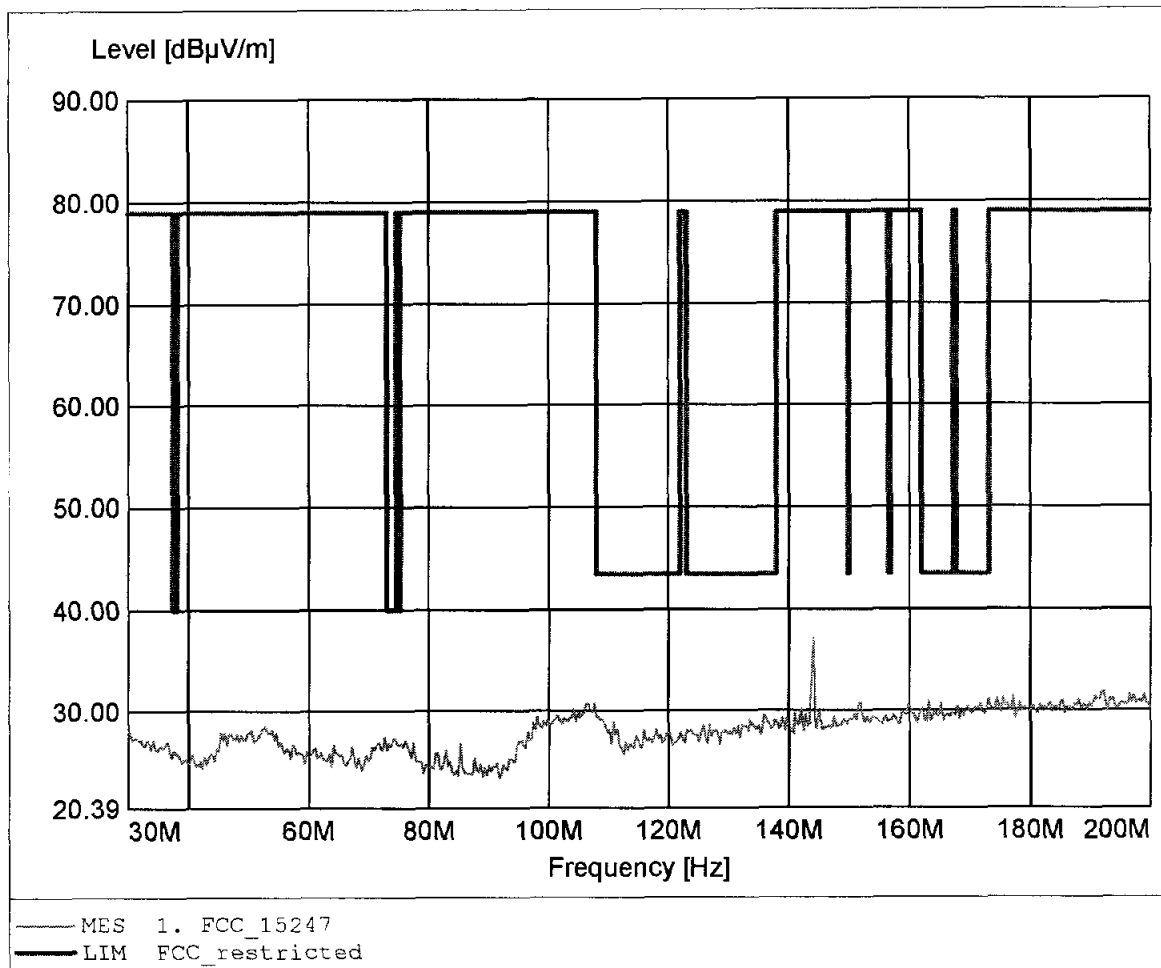
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Emax: 98.98dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

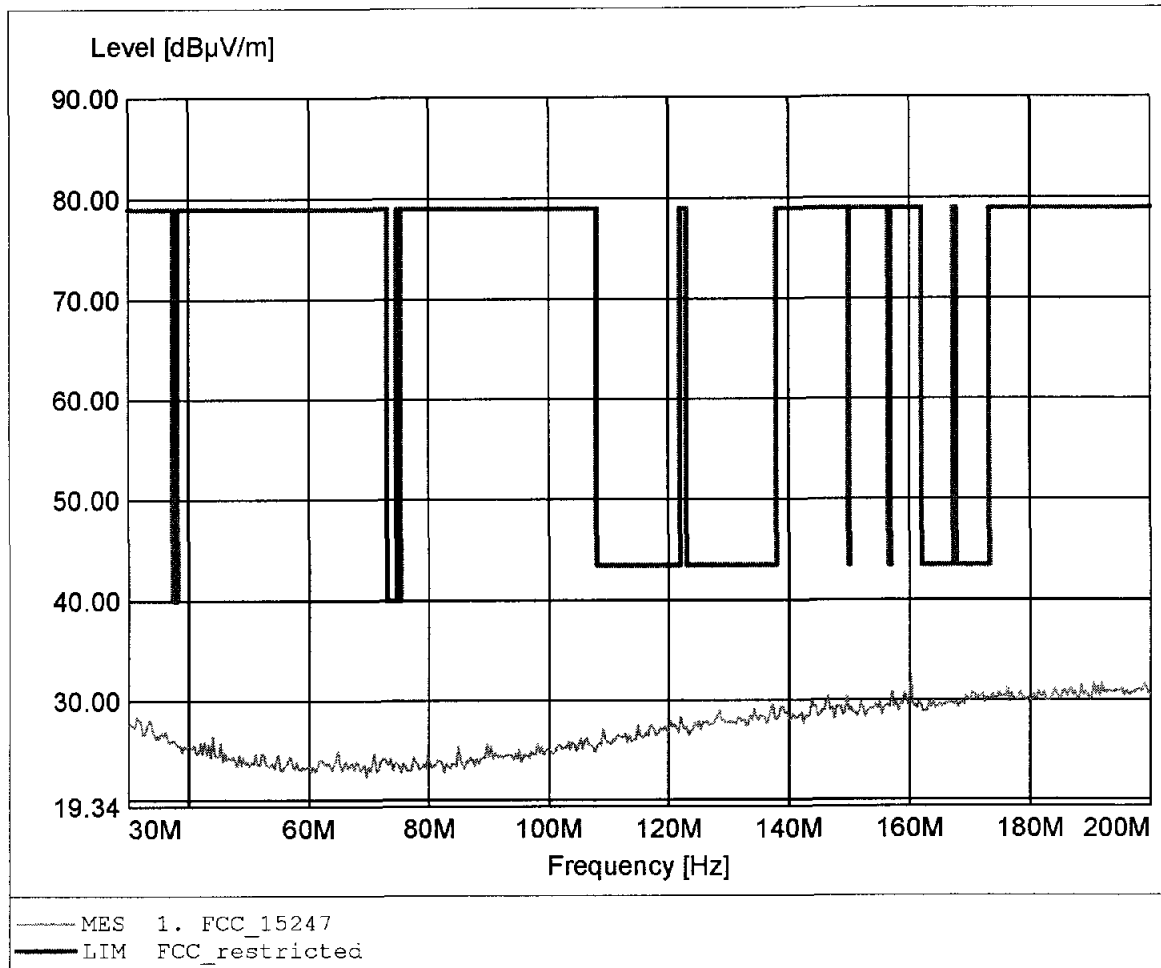
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 144.128MHz, Emax: 37.11dB μ V/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

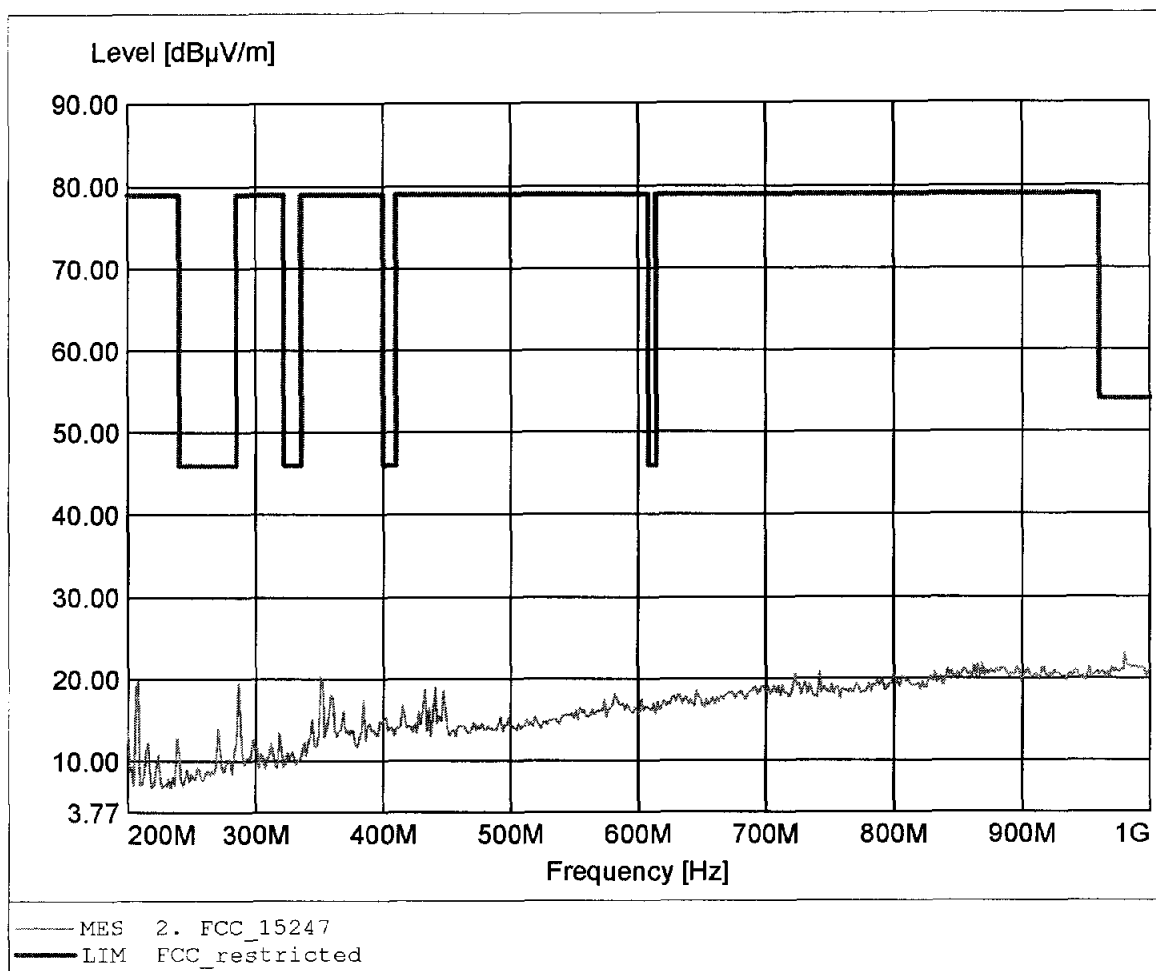
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 160.140MHz, Emax: 32.42dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

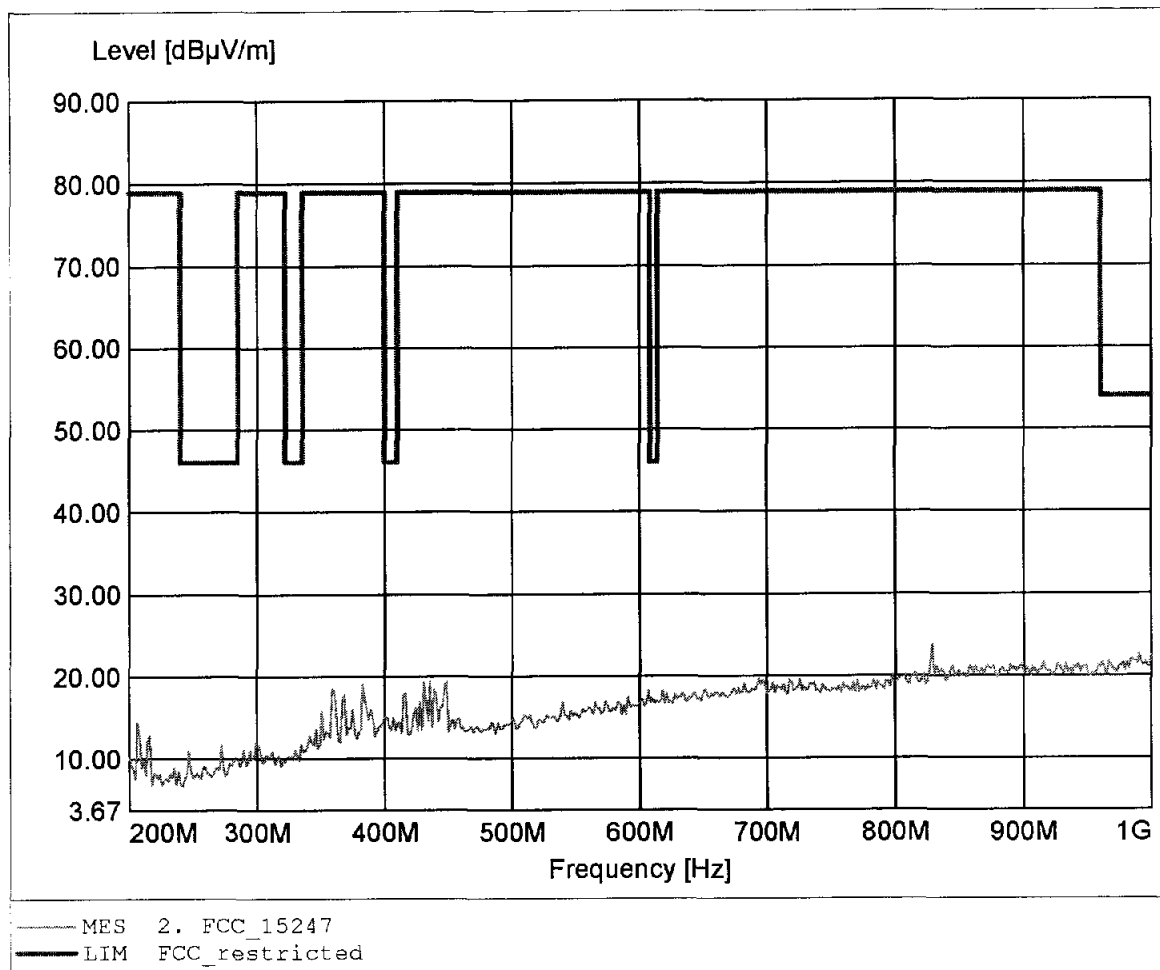
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 980.762MHz, Emax: 23.03dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

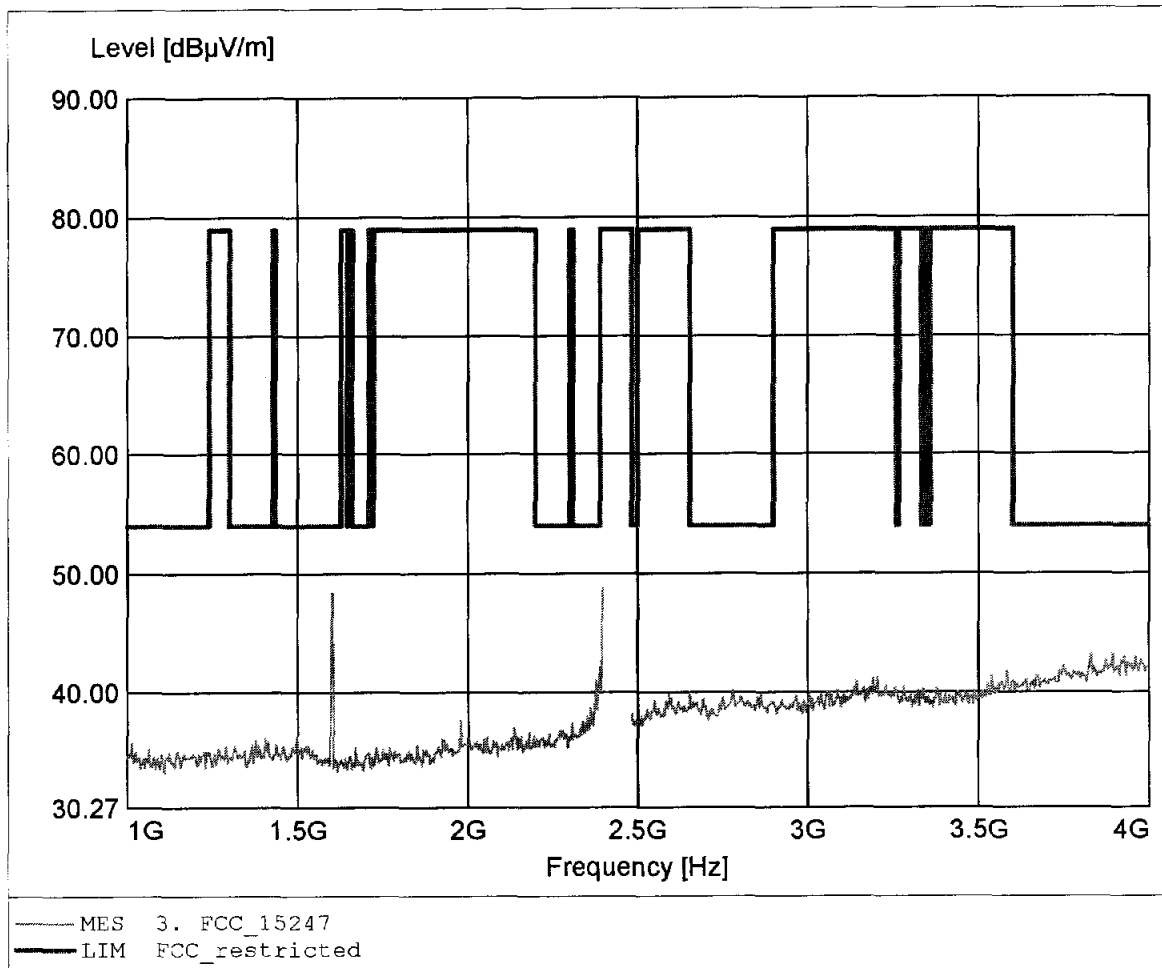
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 828.457MHz, Emax: 23.79dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

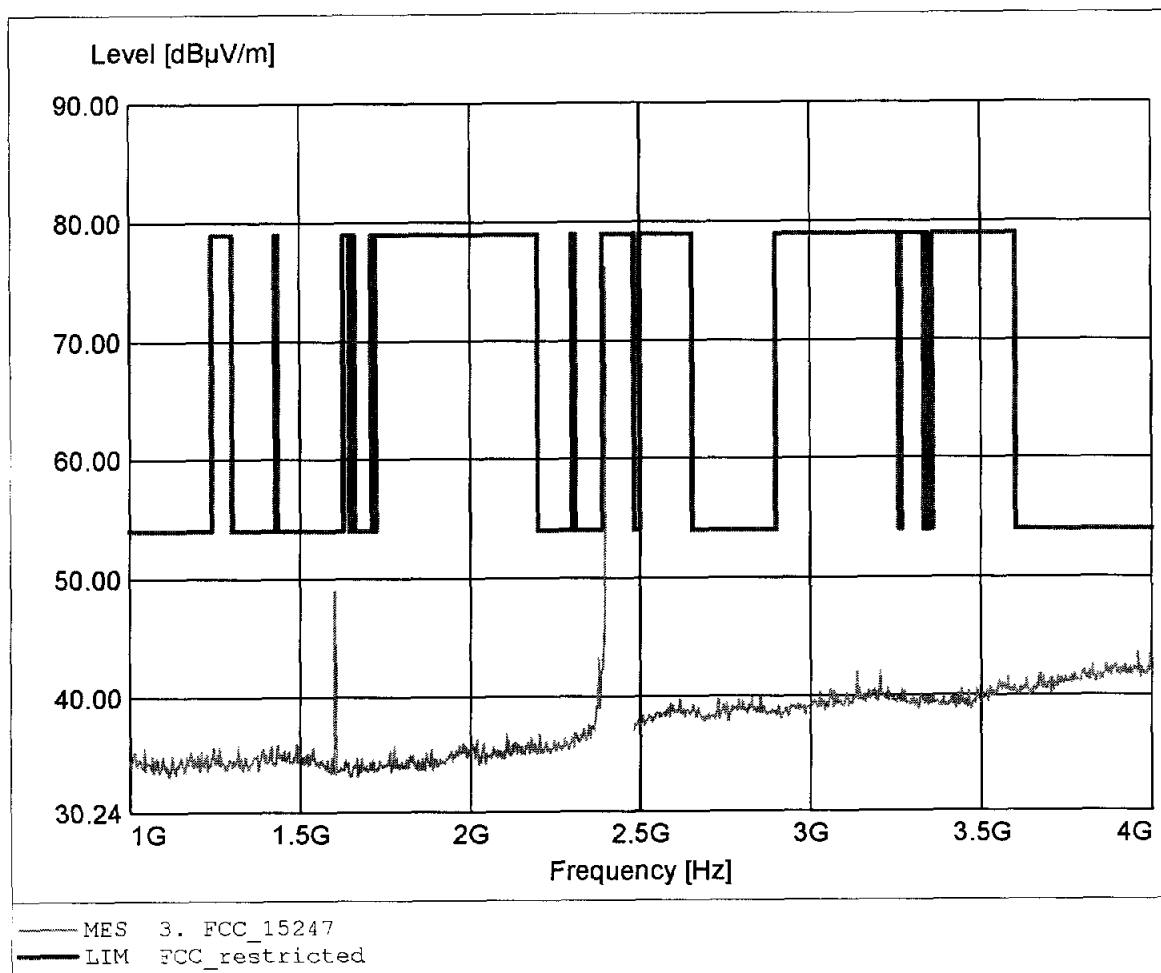
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 48.81dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

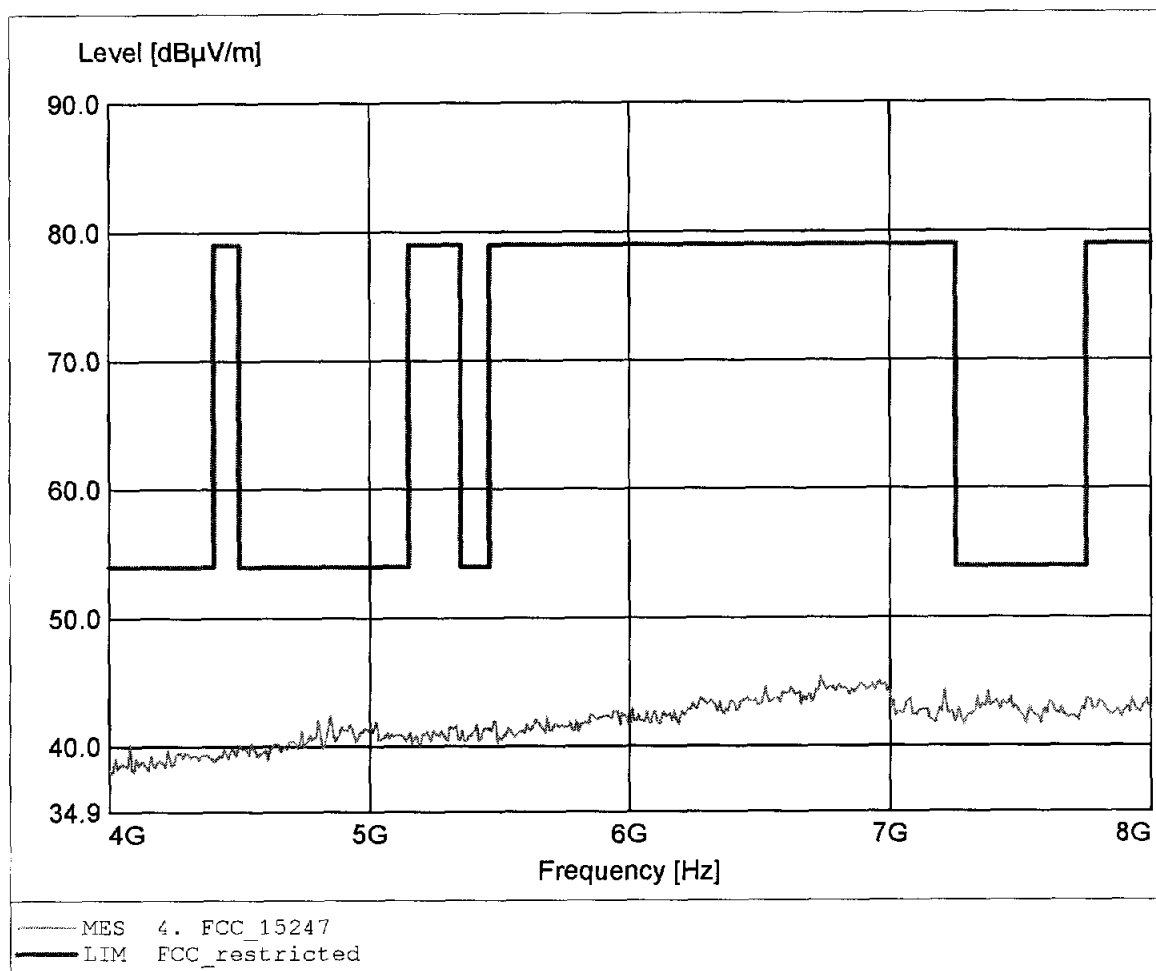
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 76.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

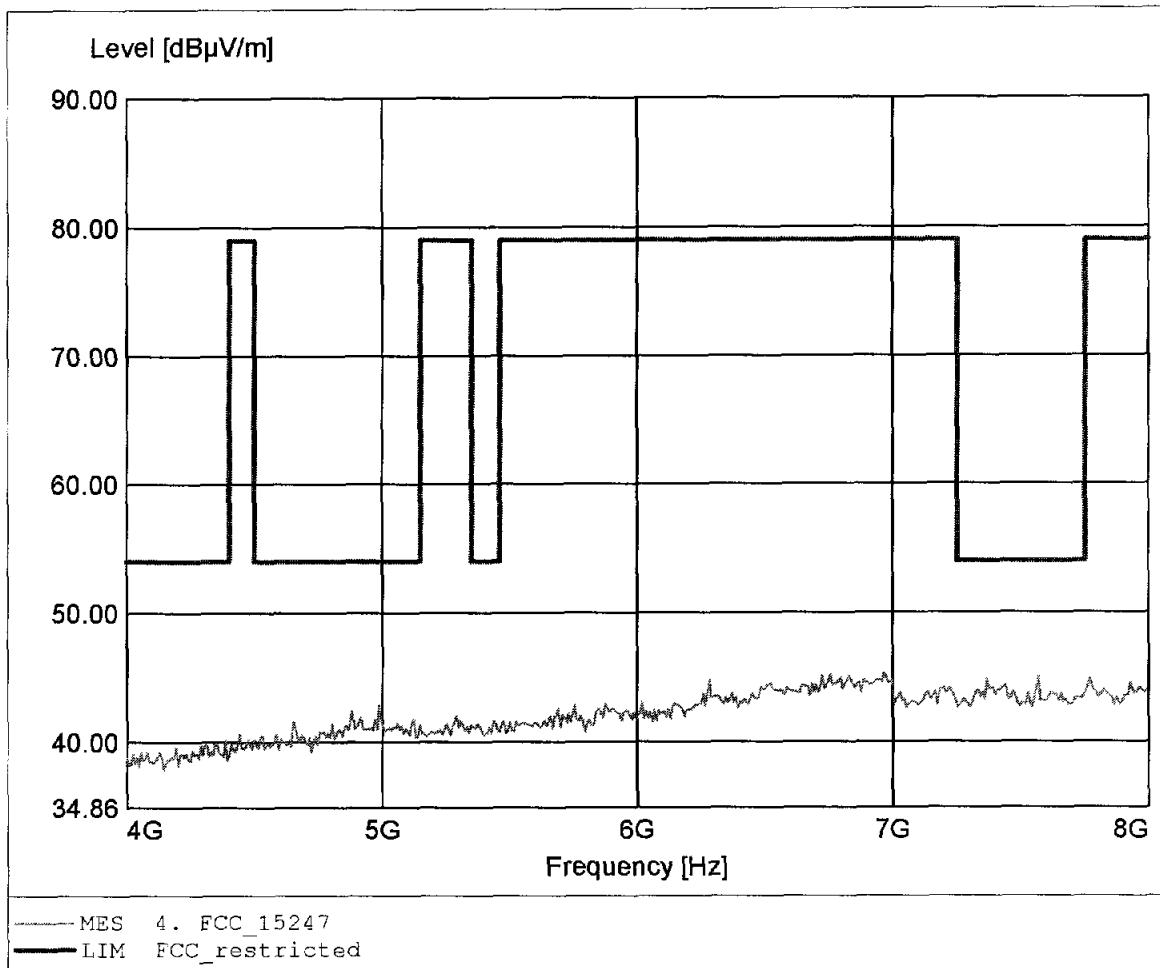
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.733GHz, Emax: 45.37dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

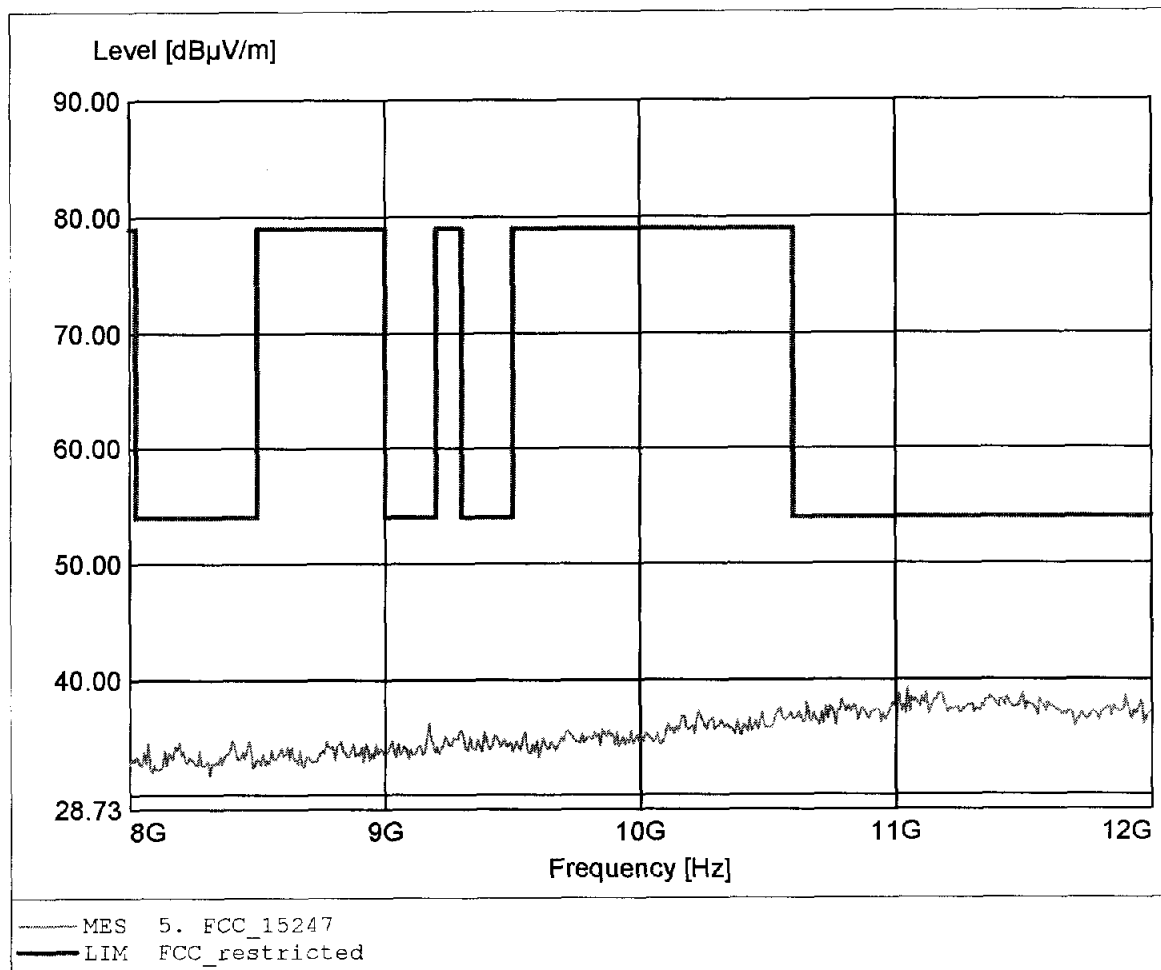
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.966GHz, Emax: 45.35dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

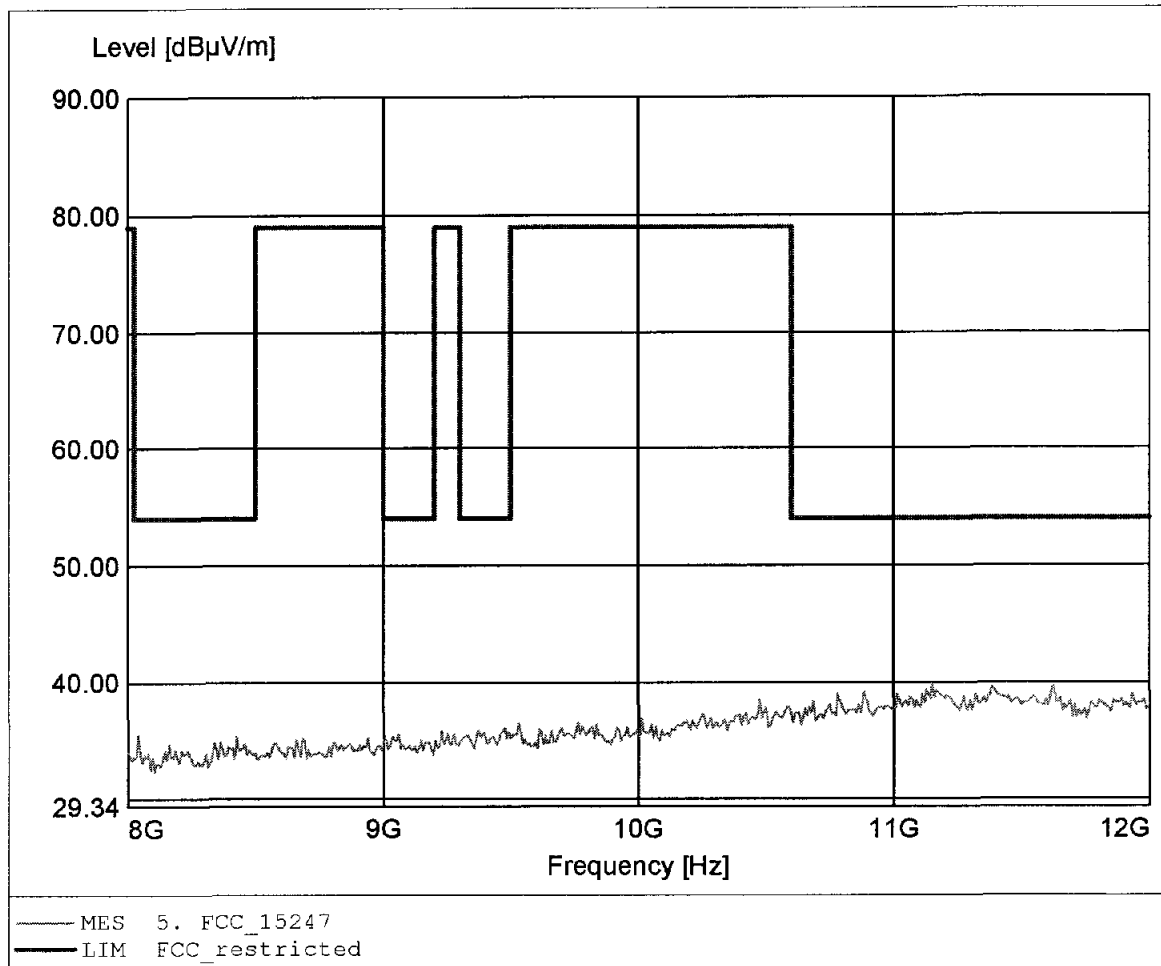
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.046GHz, Emax: 39.30dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

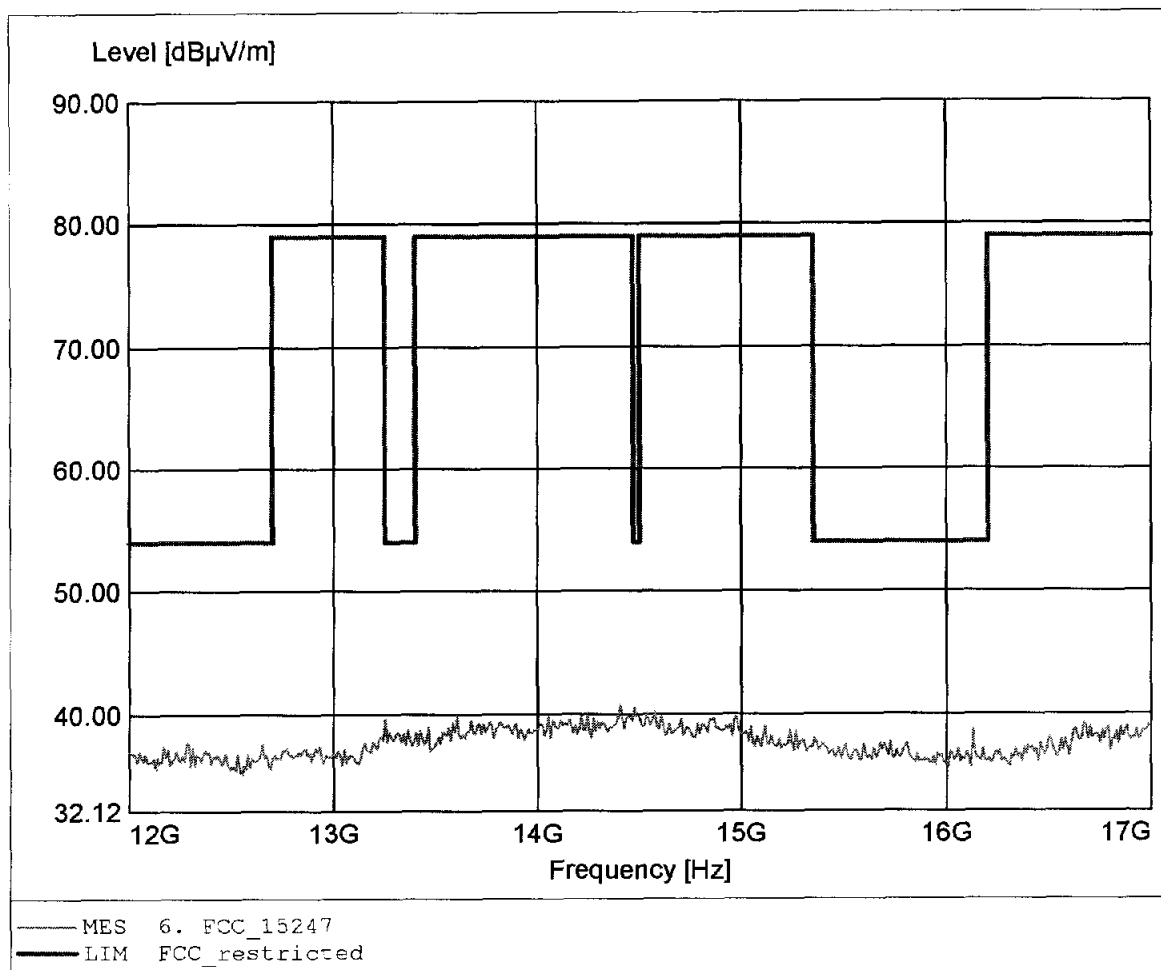
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.150GHz, Emax: 39.88dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

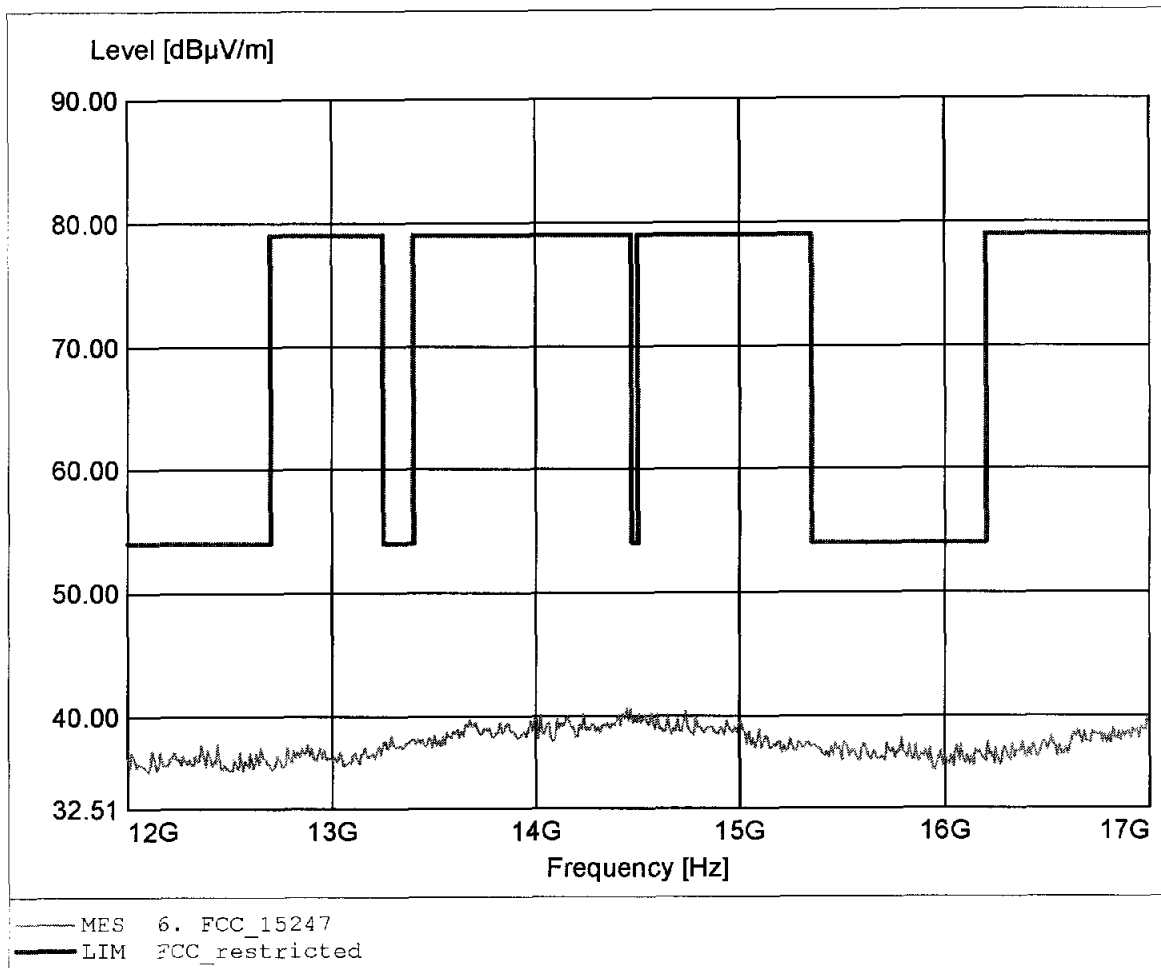
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.405GHz, Emax: 40.78dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

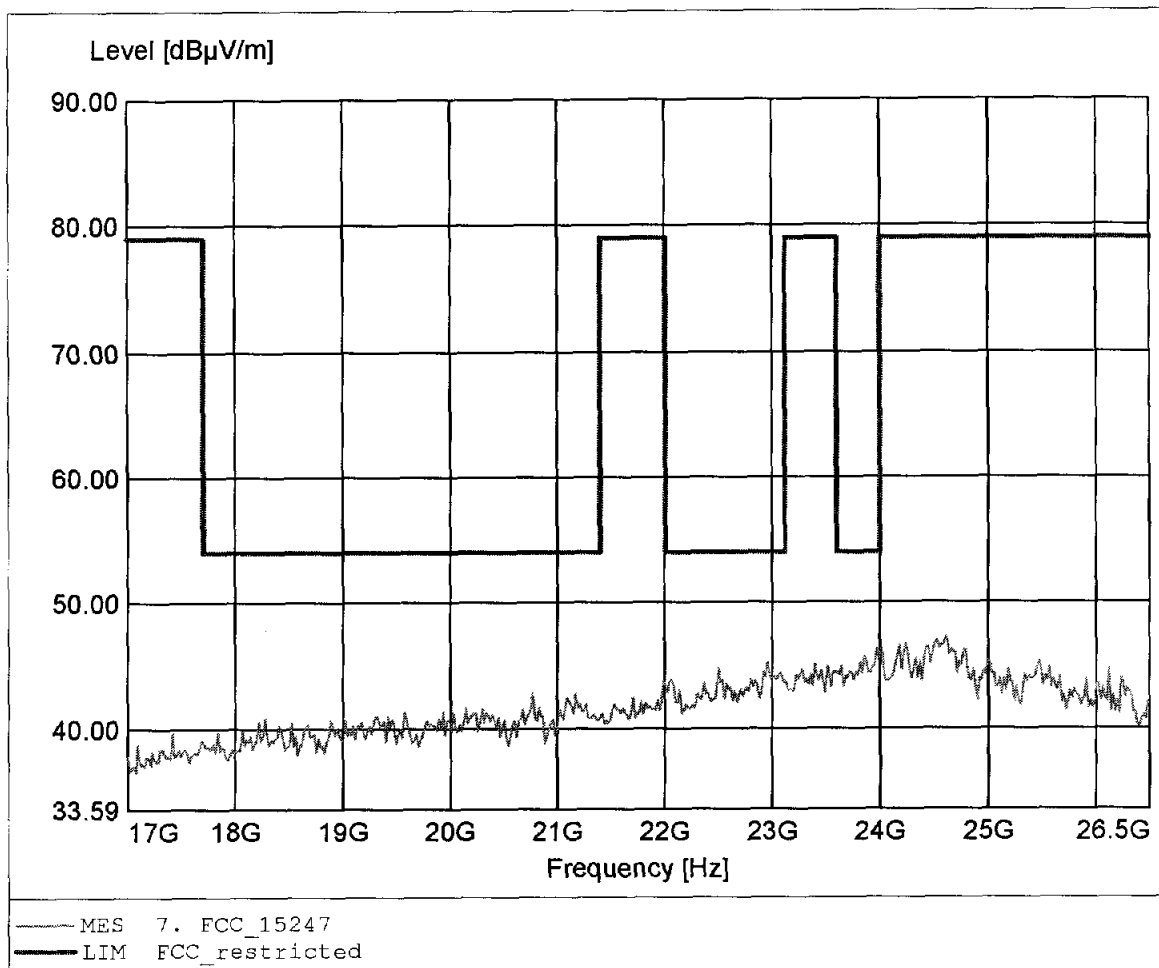
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.445GHz, Emax: 40.64dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

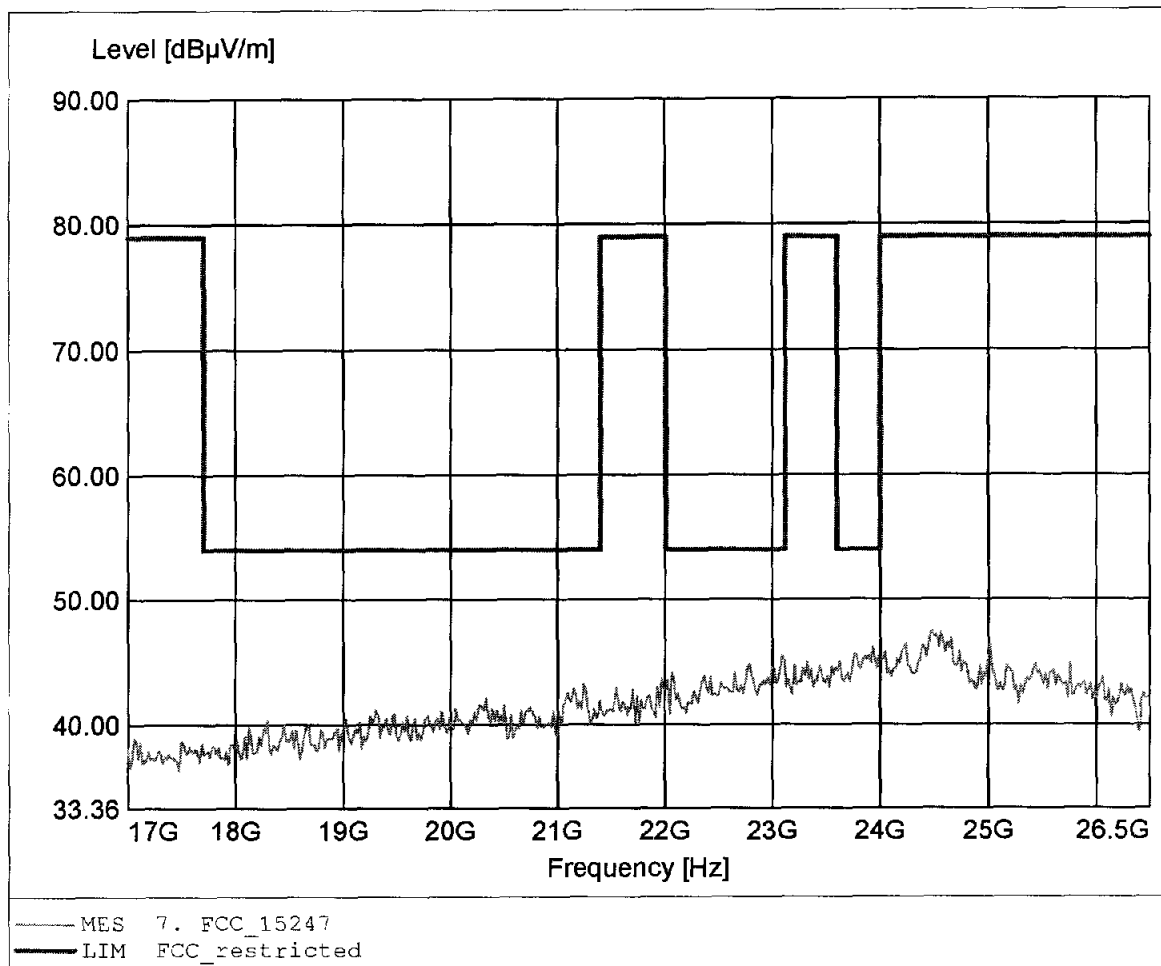
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.615GHz, Emax: 47.27dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

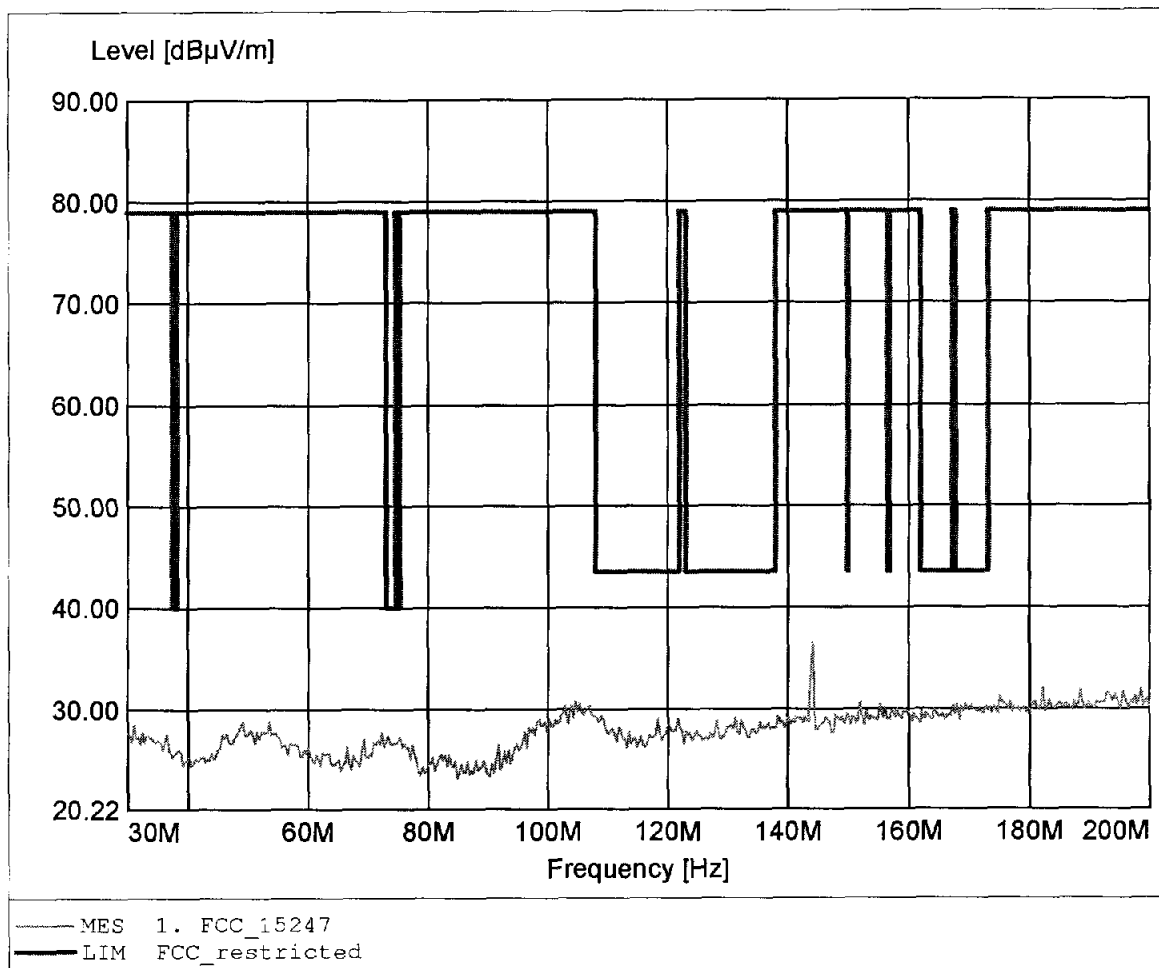
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2402
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.482GHz, Emax: 47.47dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

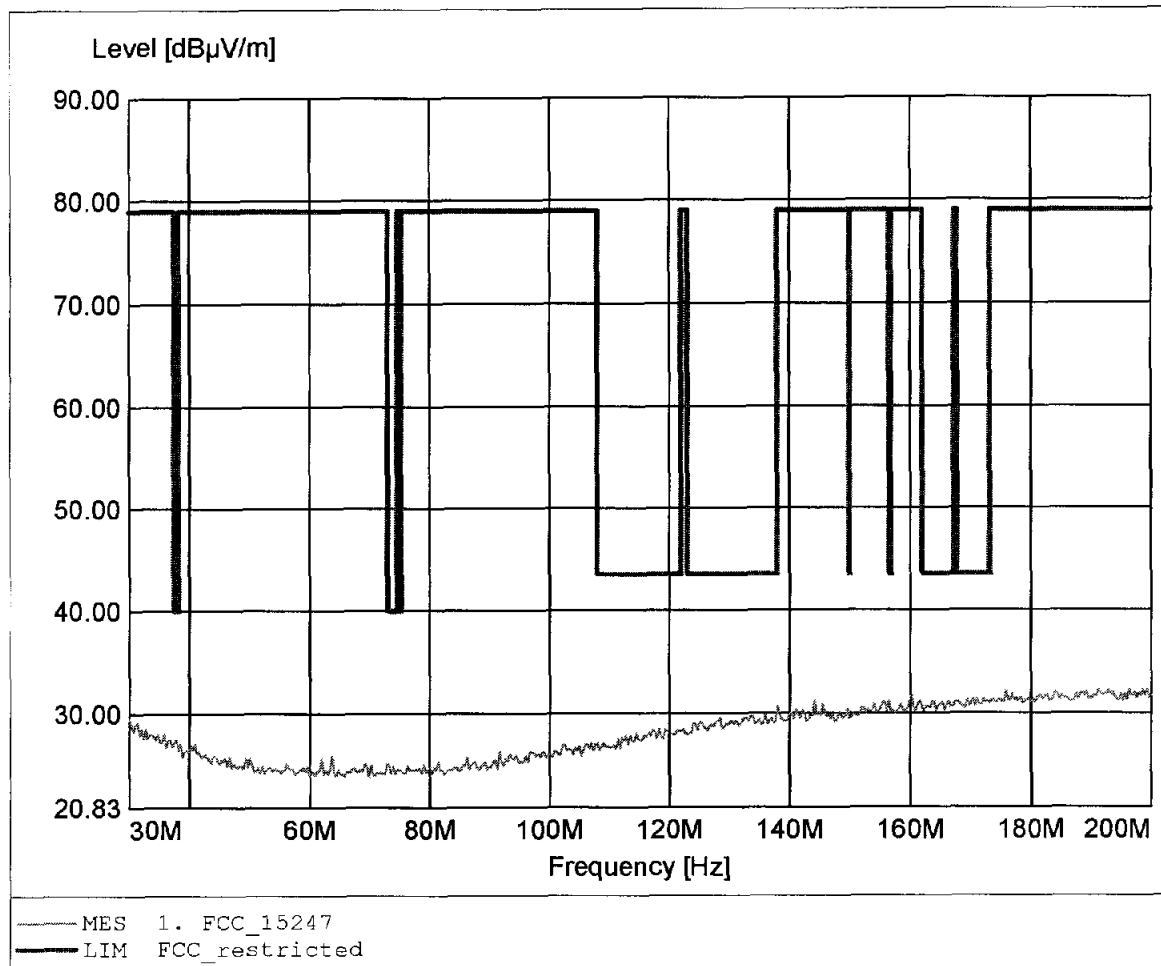
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 144.128MHz, Emax: 36.62dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

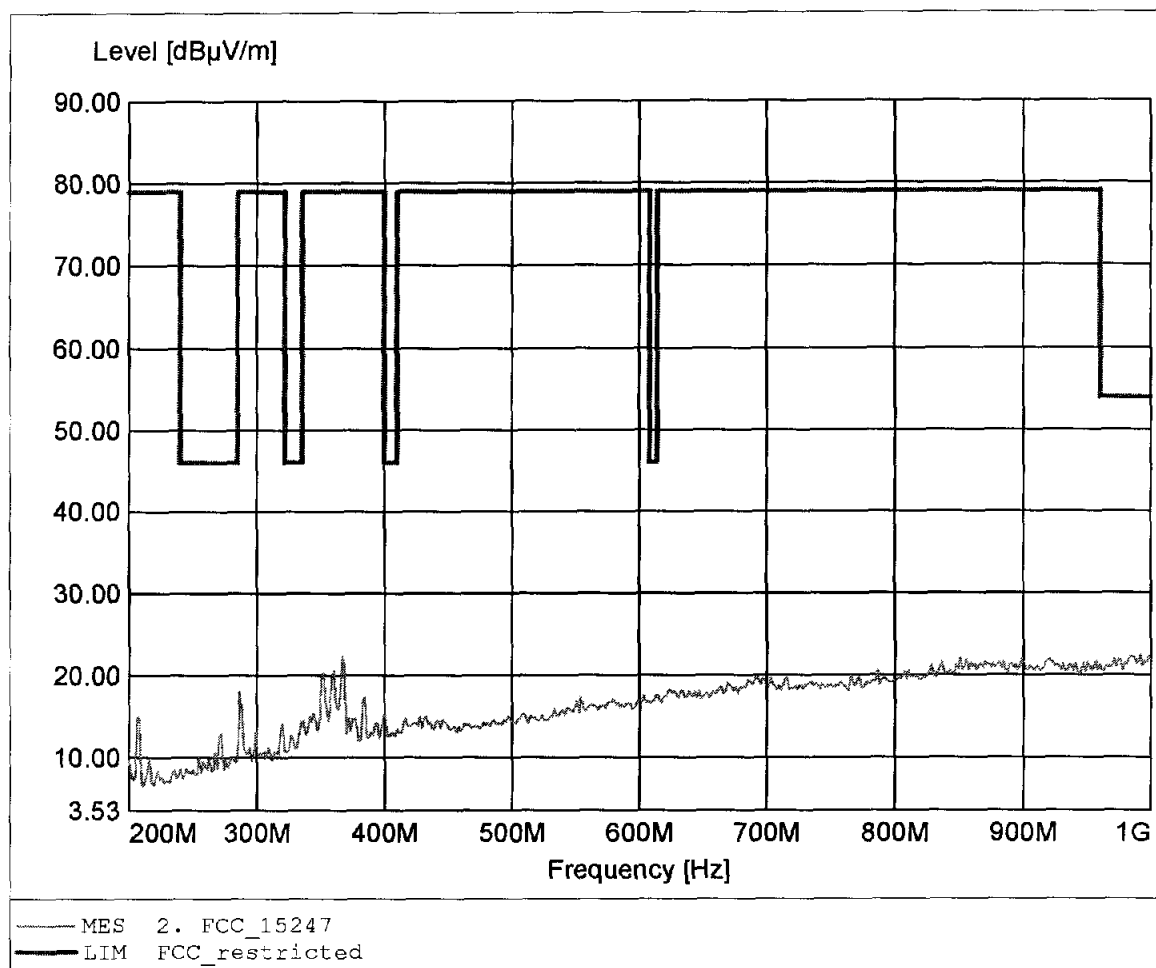
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 196.253MHz, Emax: 32.31dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

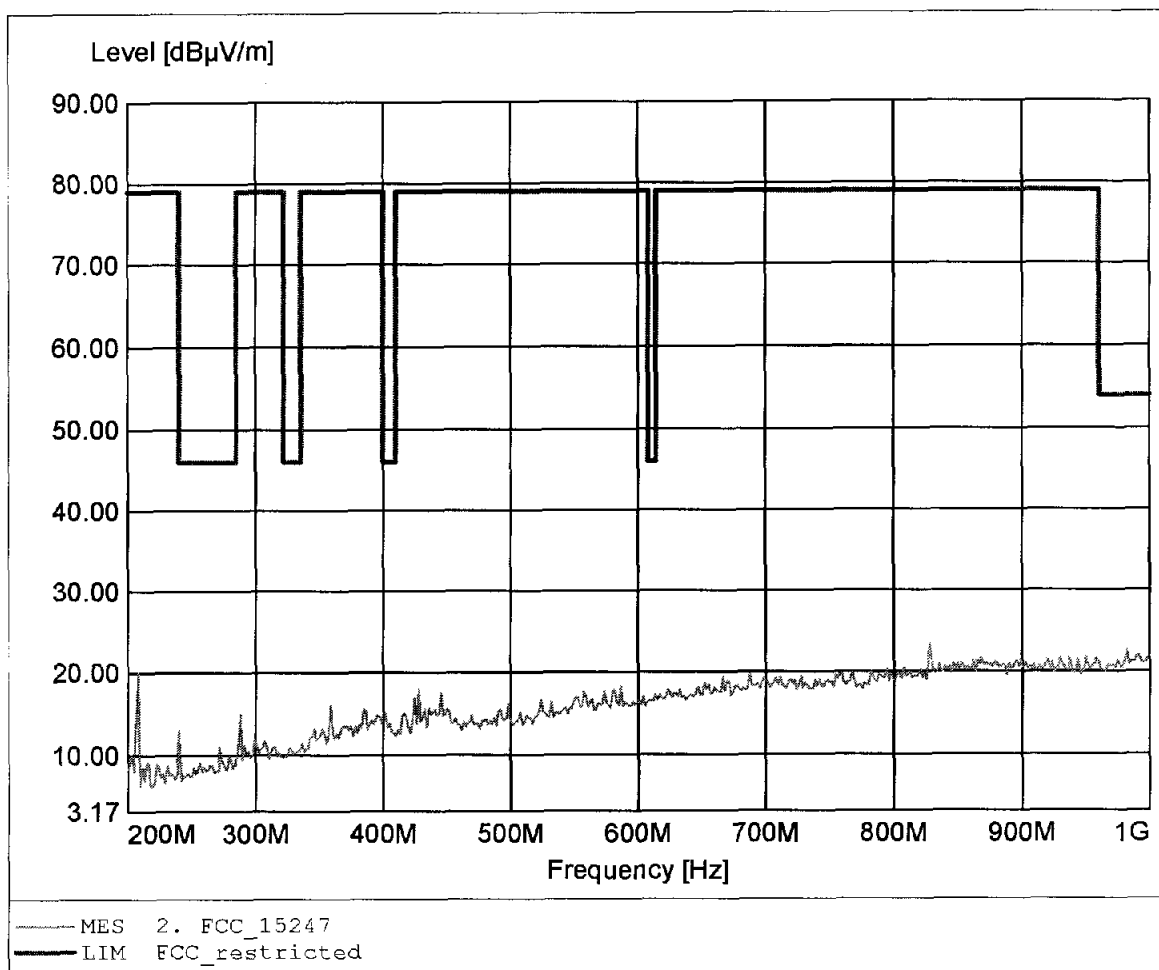
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 991.984MHz, Emax: 22.51dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

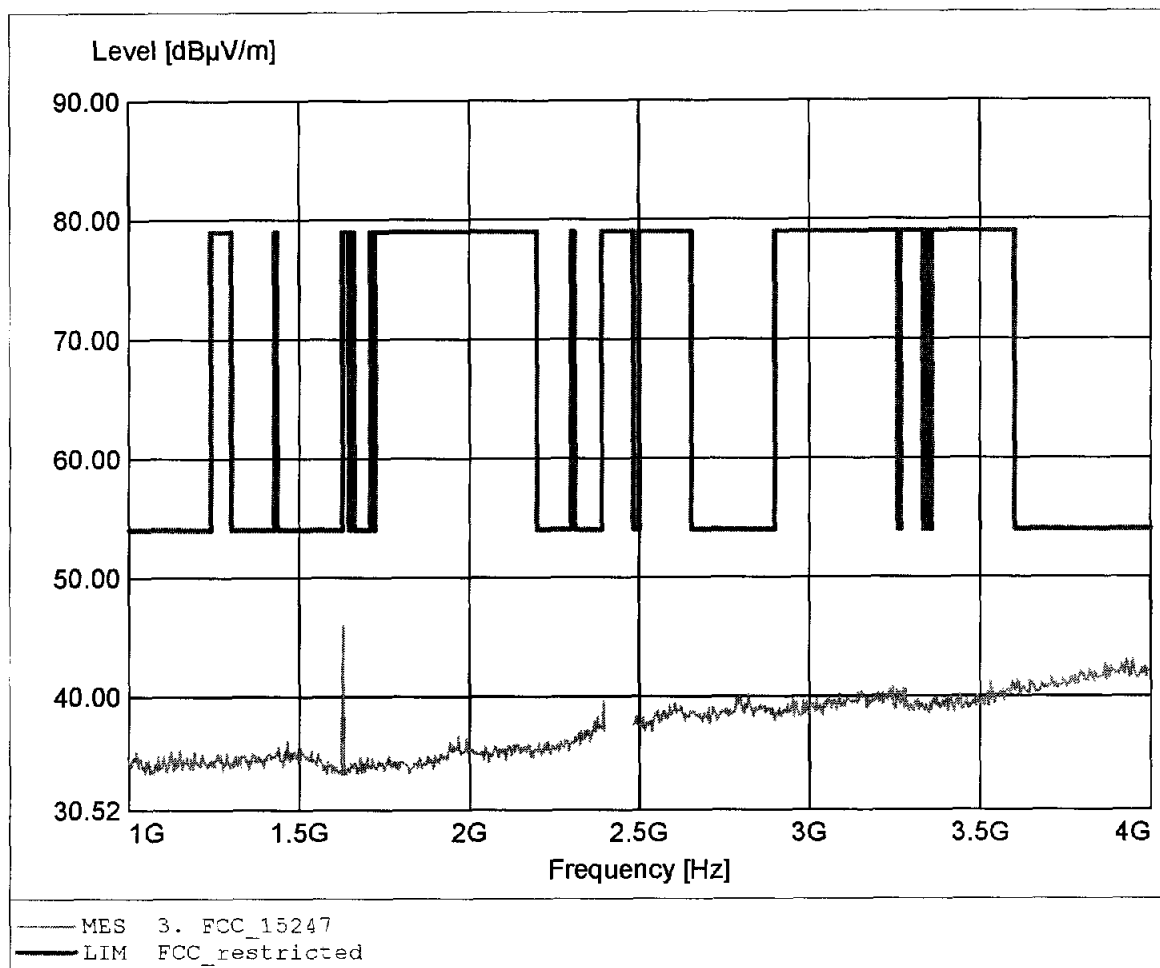
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 828.457MHz, Emax: 23.43dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

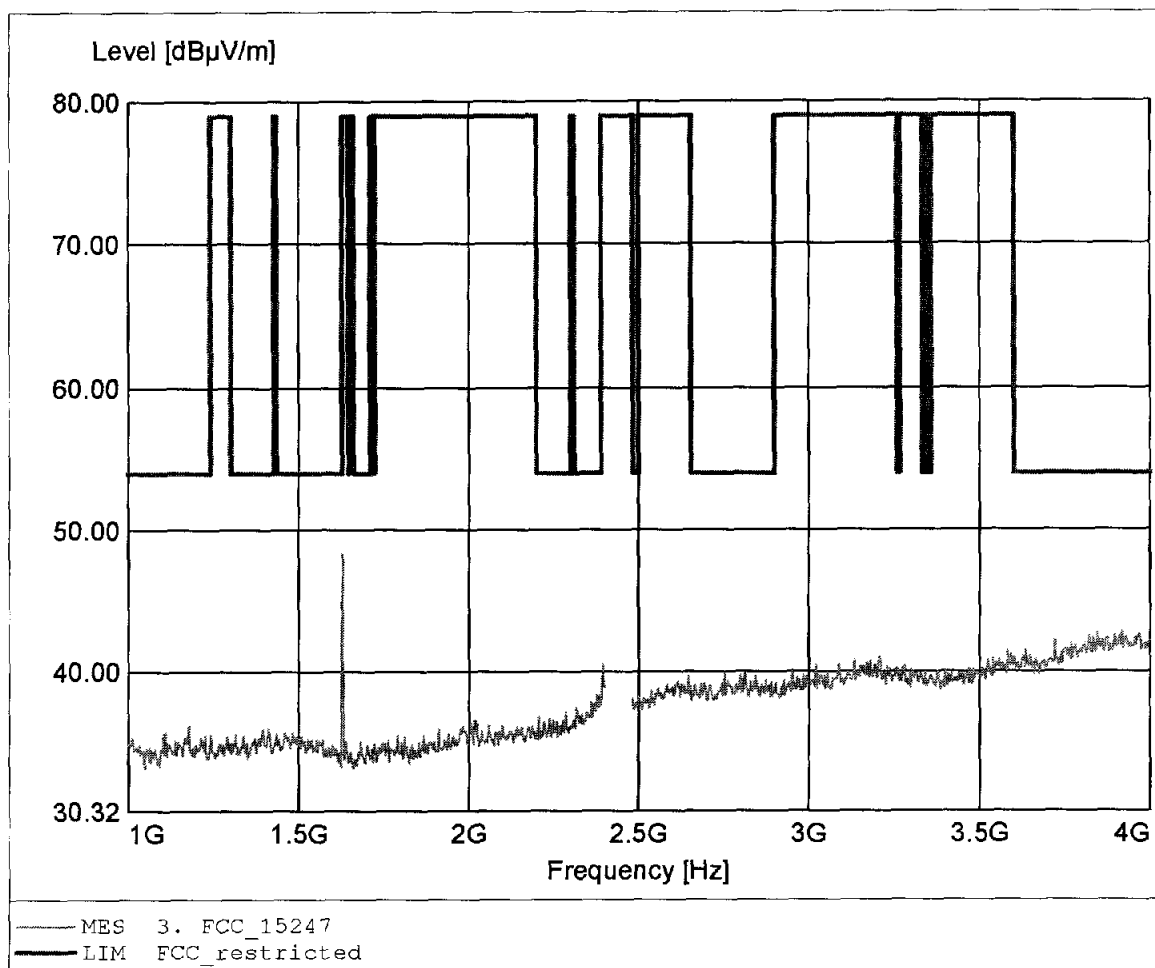
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.628GHz, Emax: 45.97dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

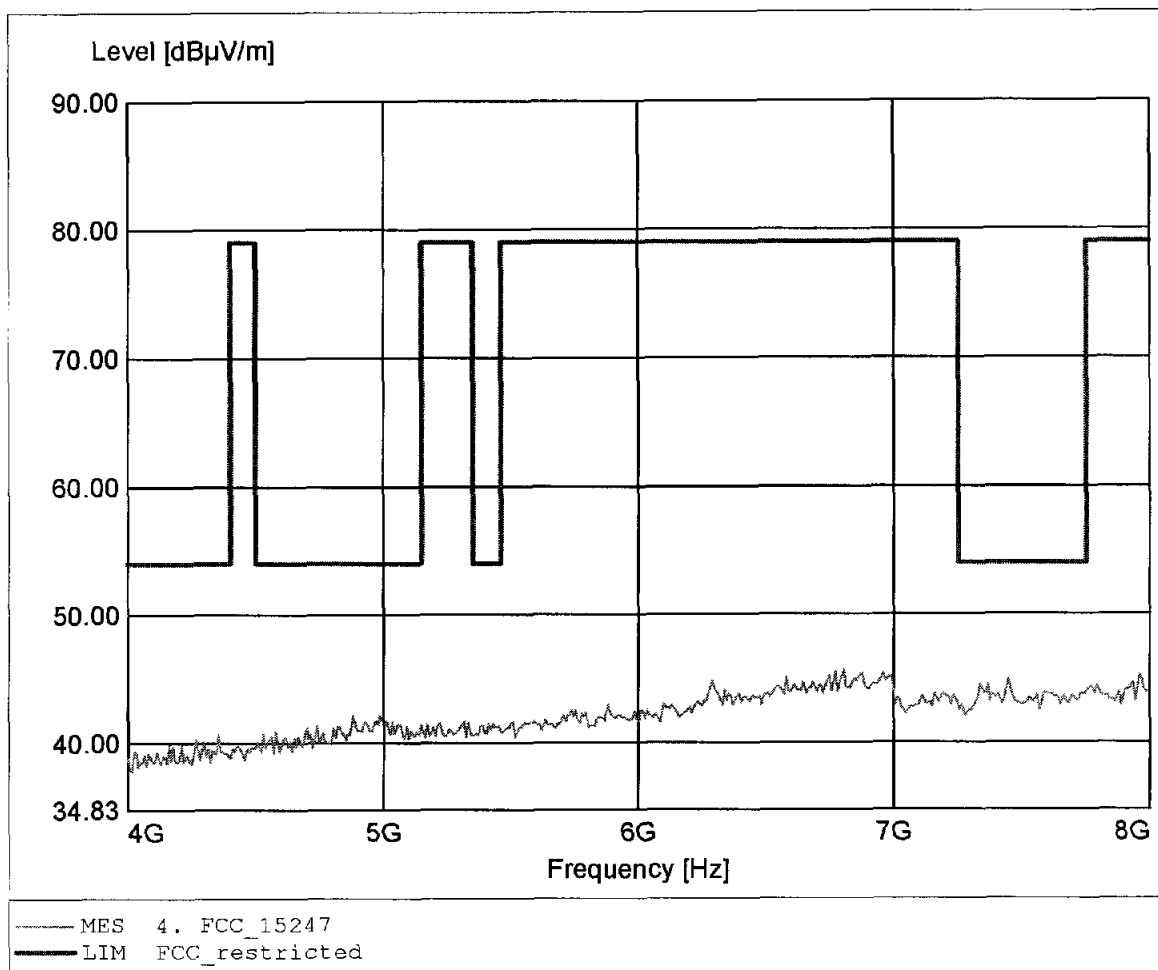
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.628GHz, Emax: 48.29dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

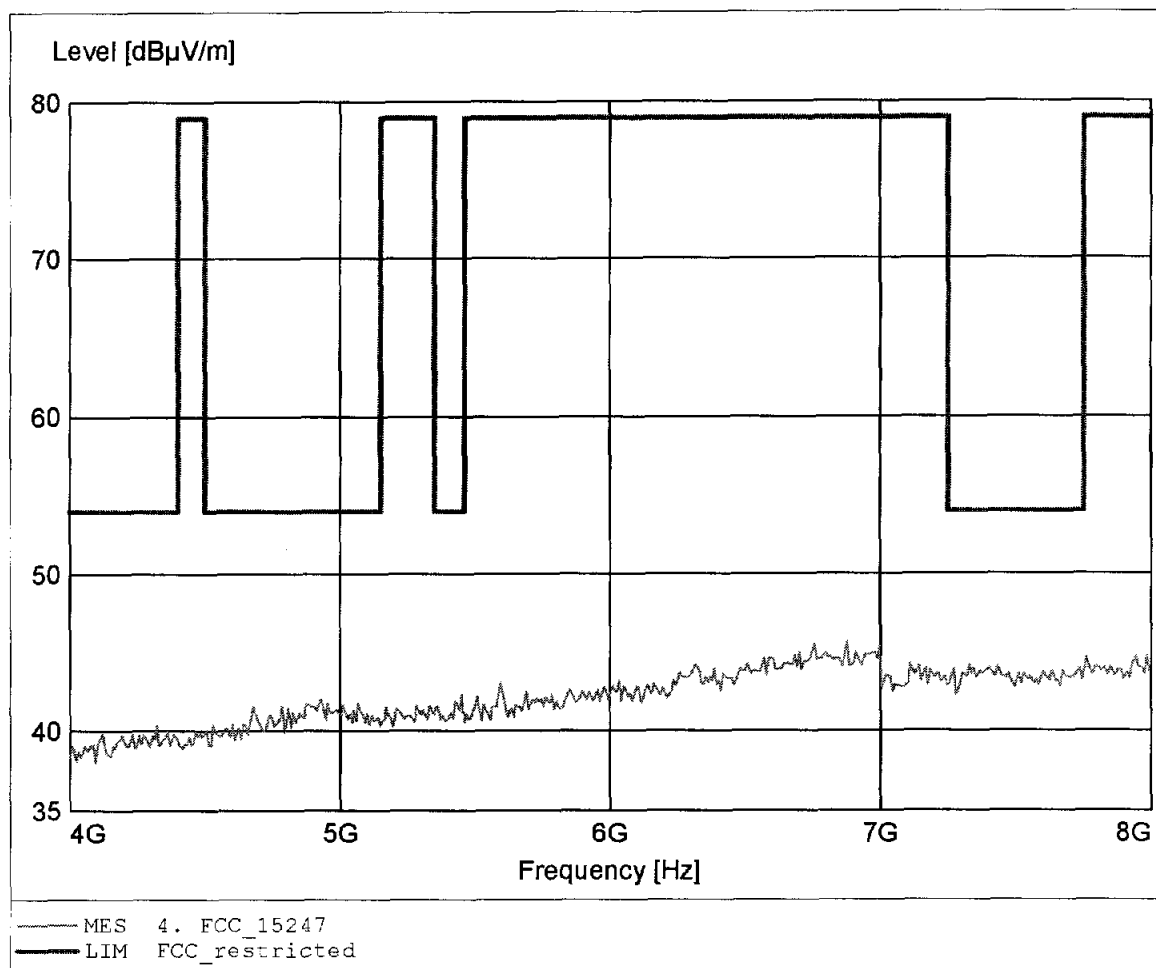
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.806GHz, Emax: 45.65dB μ V/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

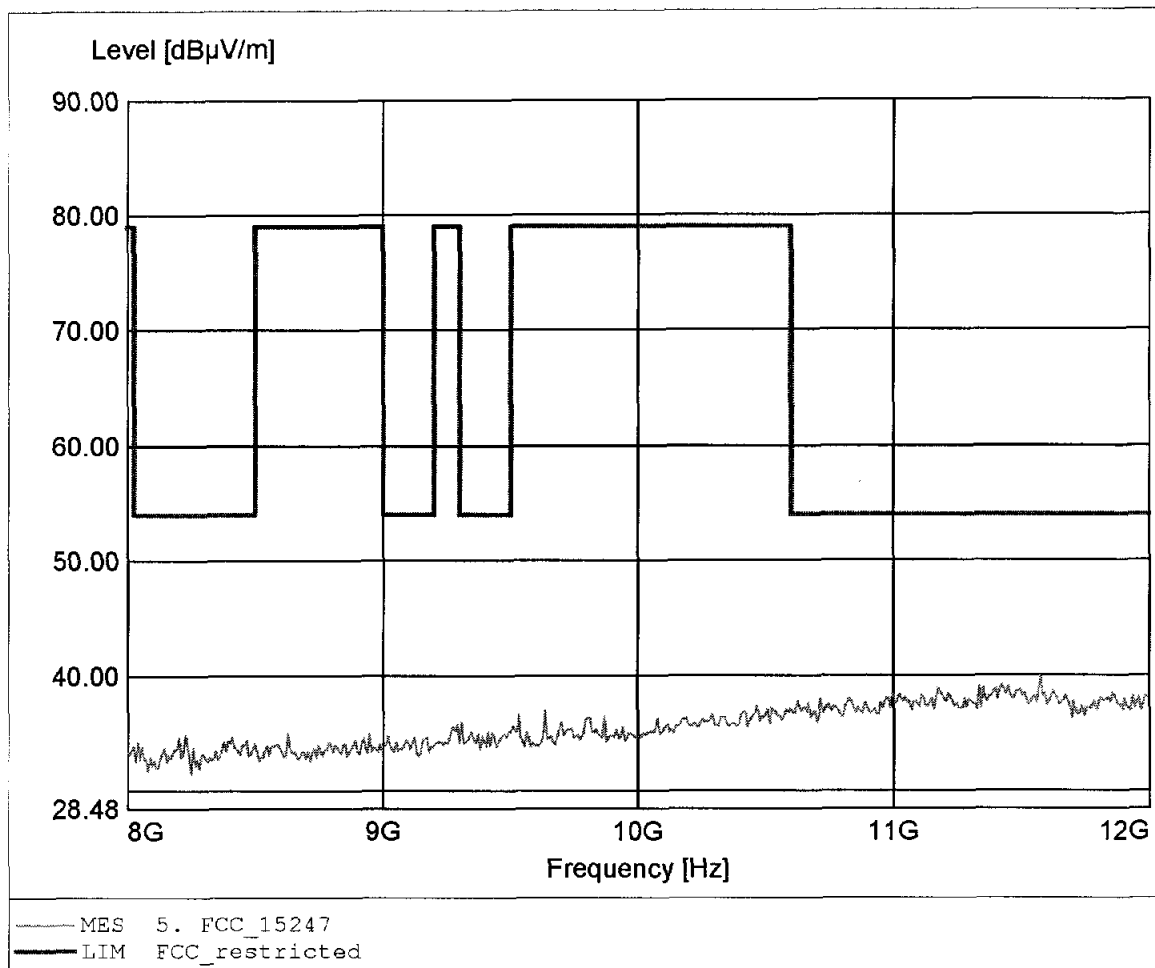
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.878GHz, Emax: 45.63dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

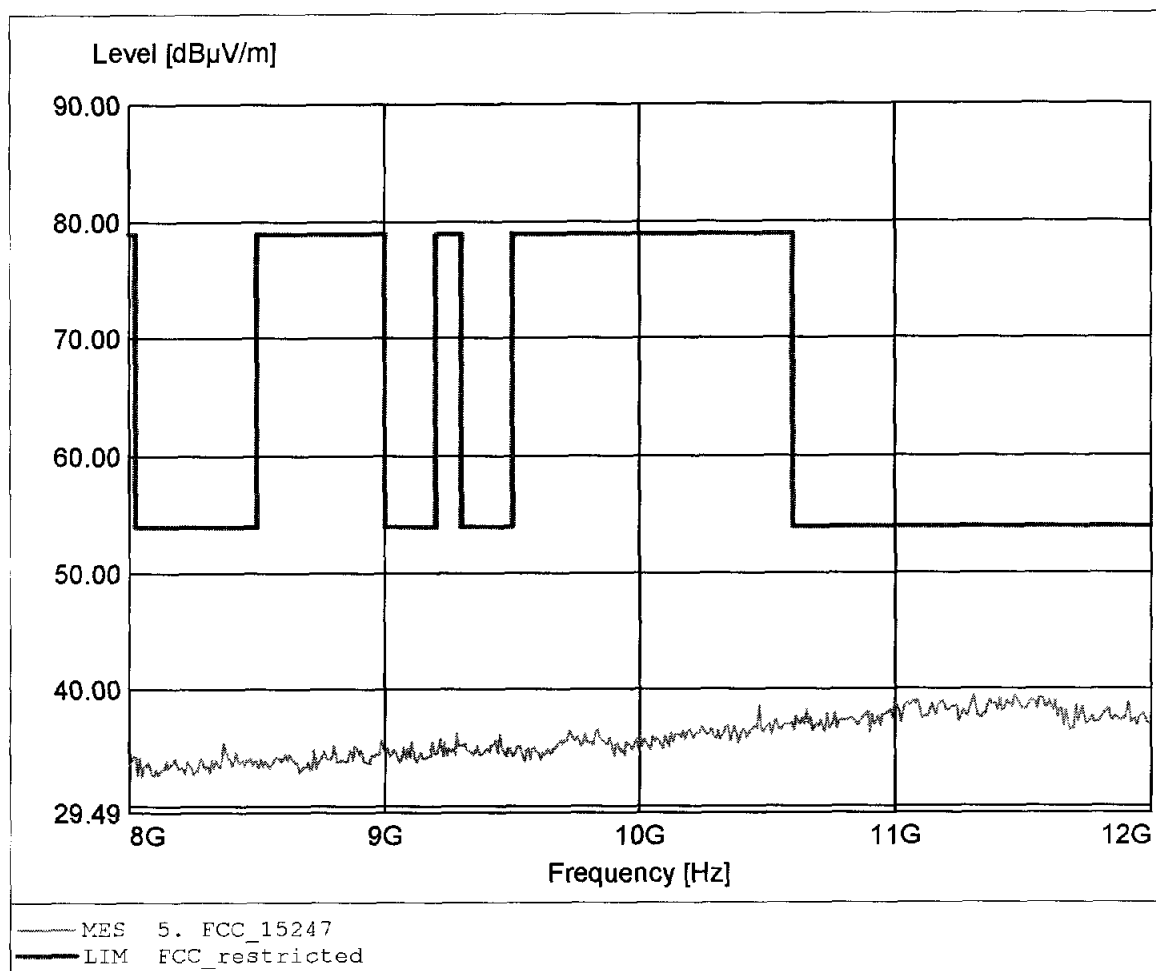
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.575GHz, Emax: 39.90dB μ V/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

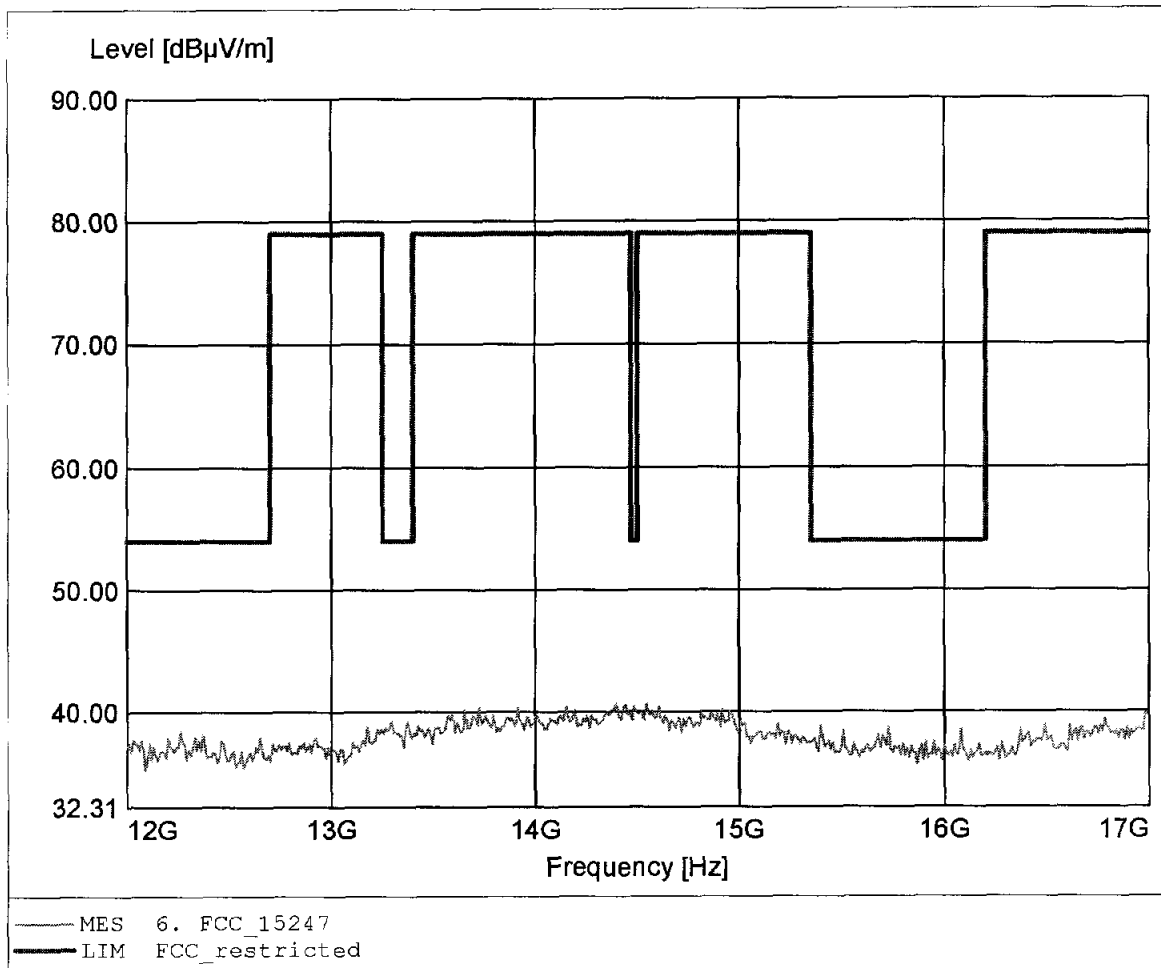
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.463GHz, Emax: 39.42dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

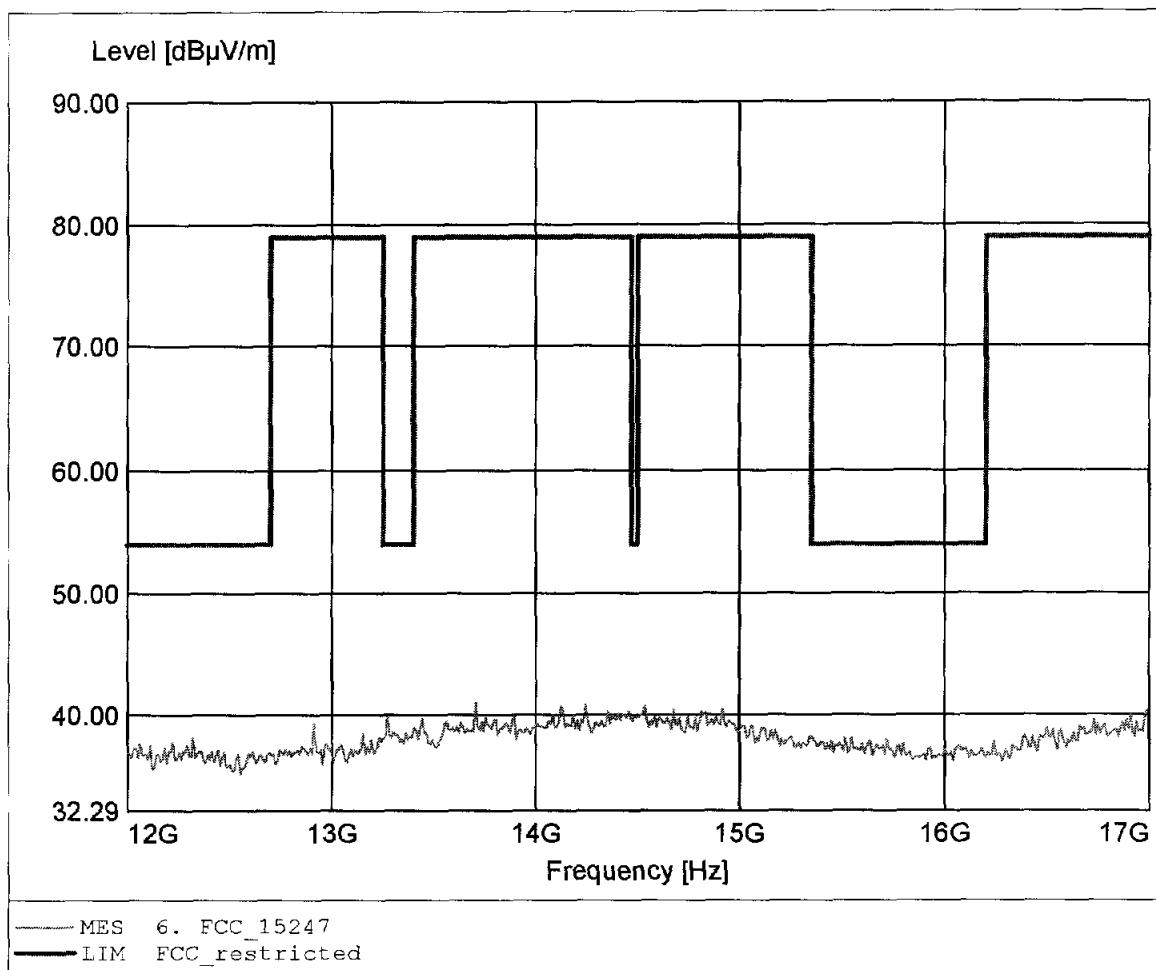
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.395GHz, Emax: 40.75dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

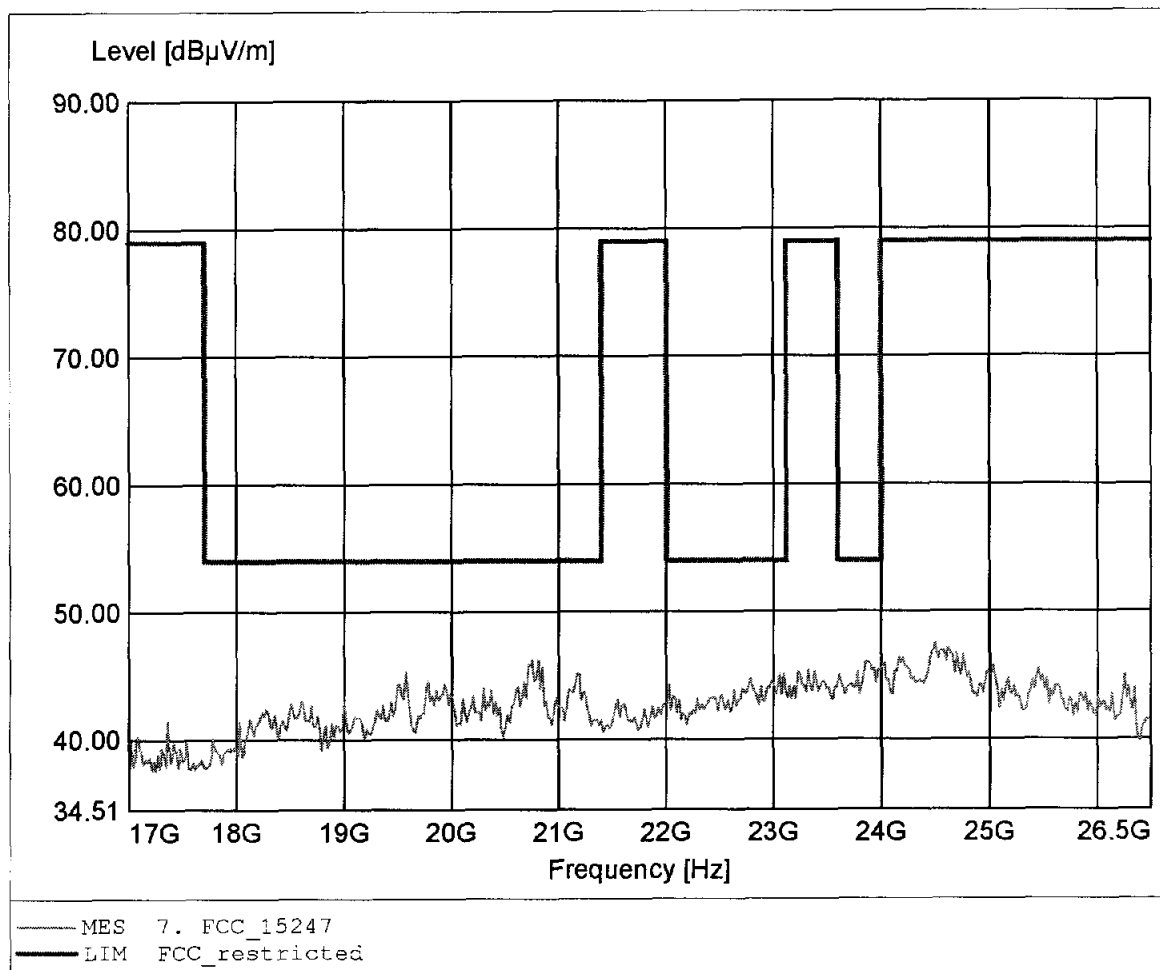
Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.703GHz, Emax: 41.01dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.501GHz, Emax: 47.45dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: Free2move AB
EUT: Low Power Bluetooth module with Antenna
Model: F2M03GLA / Channel: 2441
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 3.3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 20.808GHz, Emax: 47.34dBμV/m, RBW: 1MHz

