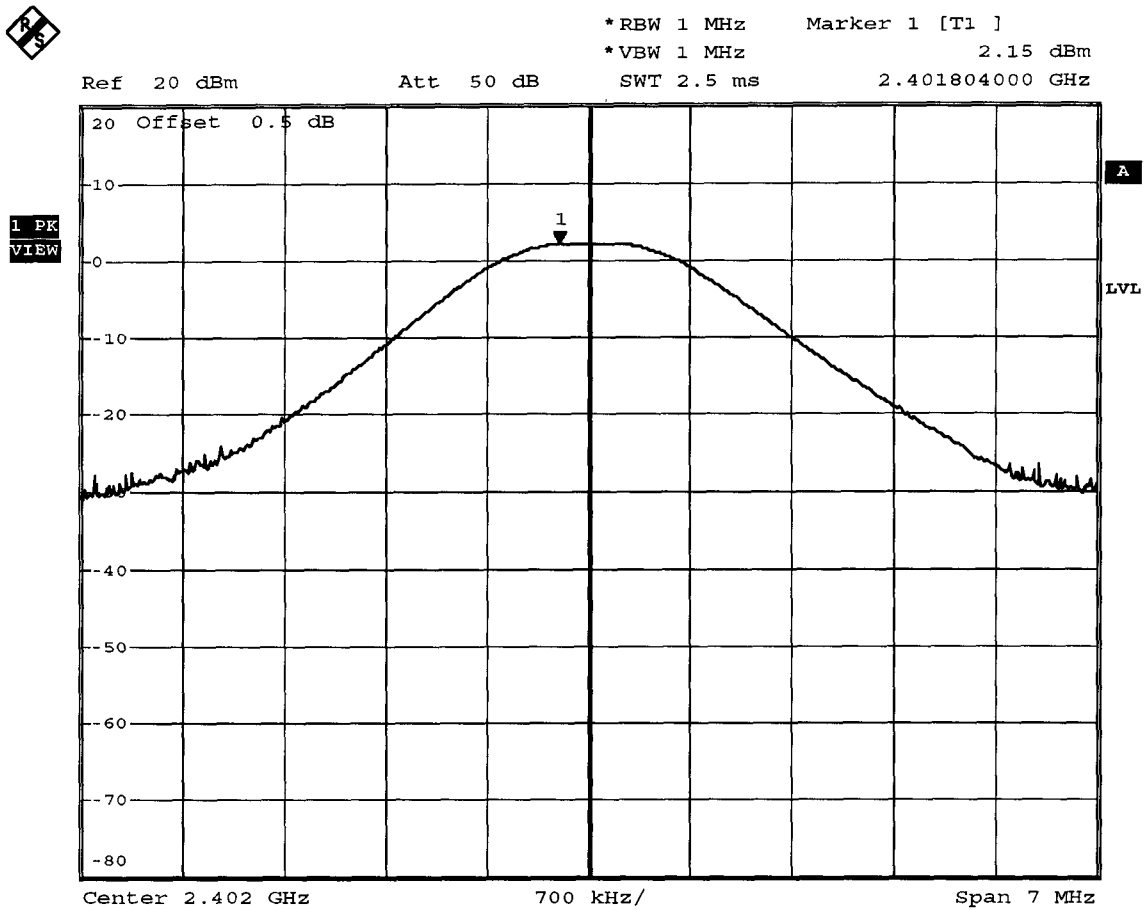


Appendix B

RF power output conducted

FCC part 15.247
Peak output power conducted

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	

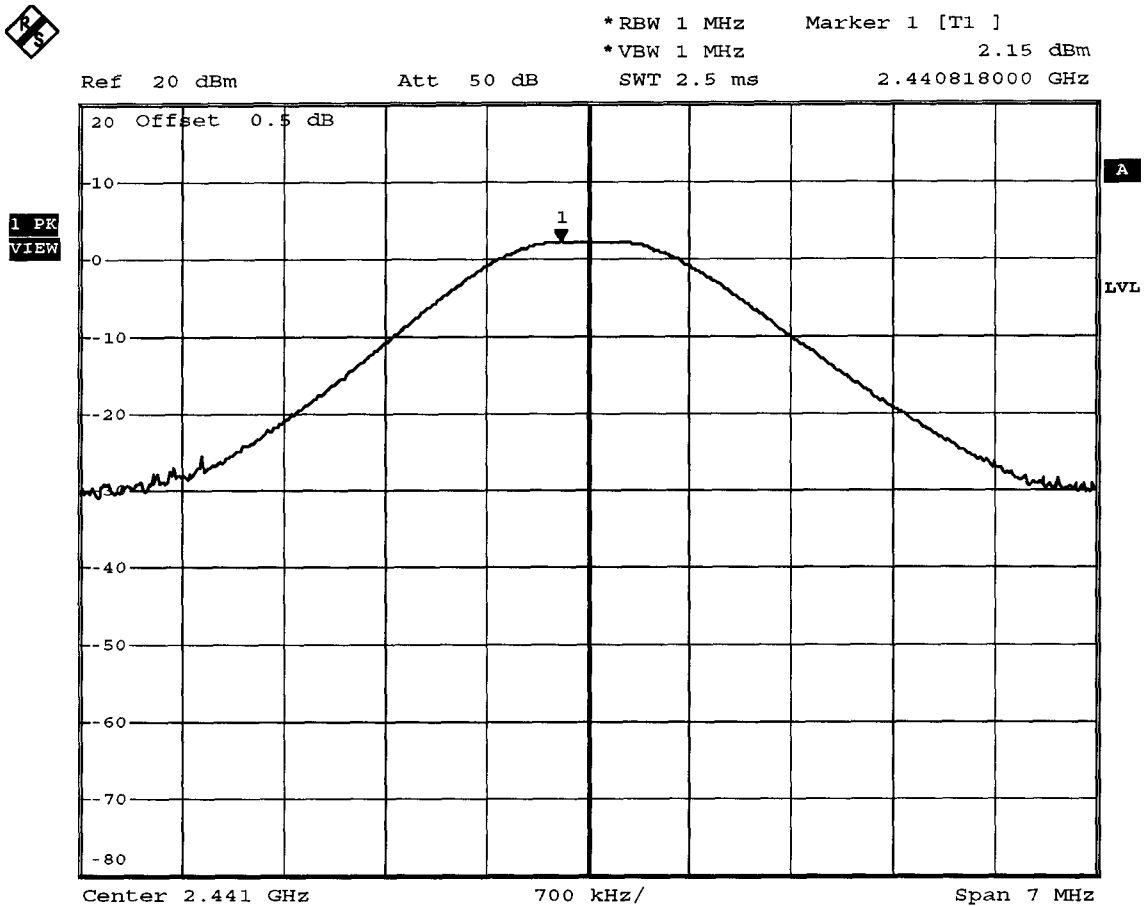


Comment: Output power=2.15 dBm; verdict: PASS
 Date: 11.JAN.2007 10:52:14

Measurement diagram

FCC part 15.247
Peak output power conducted

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	

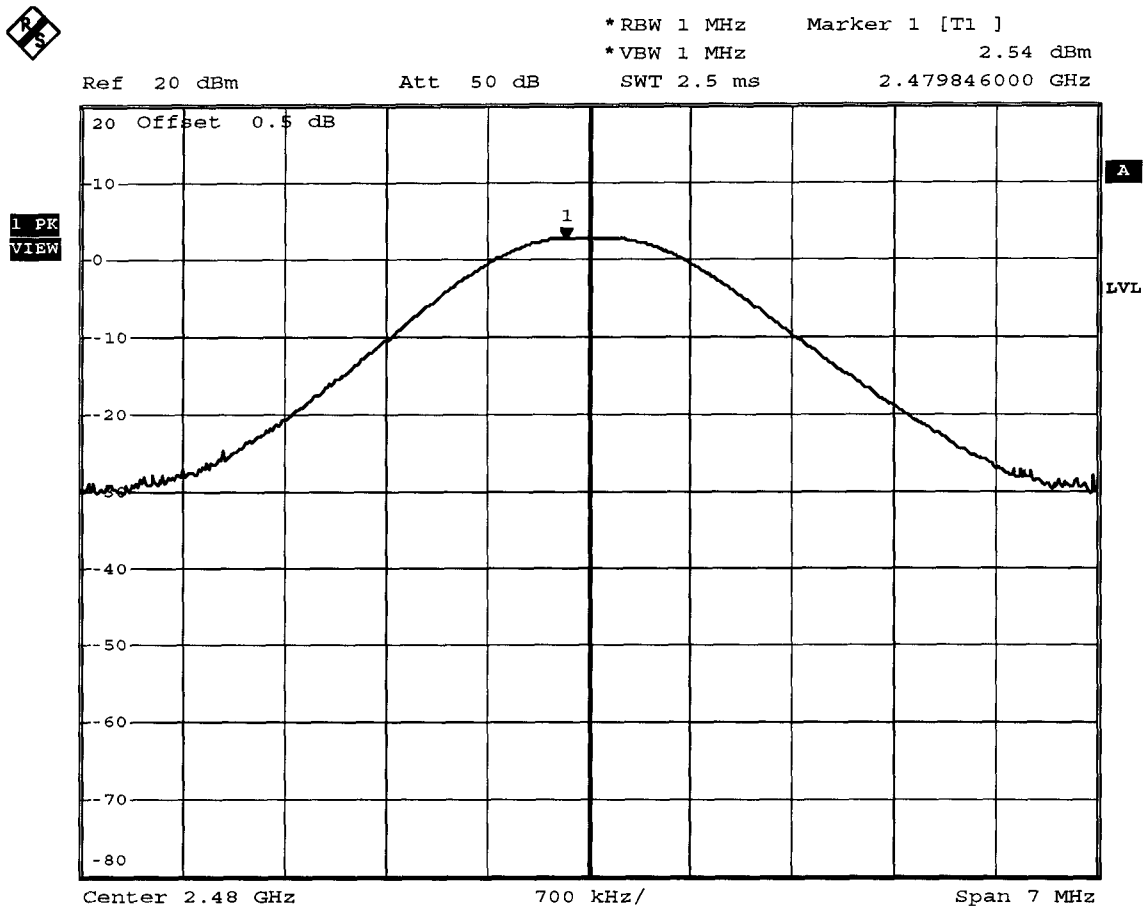


Comment: Output power=2.15 dBm; verdict: PASS
 Date: 11.JAN.2007 11:04:10

Measurement diagram

FCC part 15.247
Peak output power conducted

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: Output power=2.54 dBm; verdict: PASS
 Date: 11.JAN.2007 11:08:23

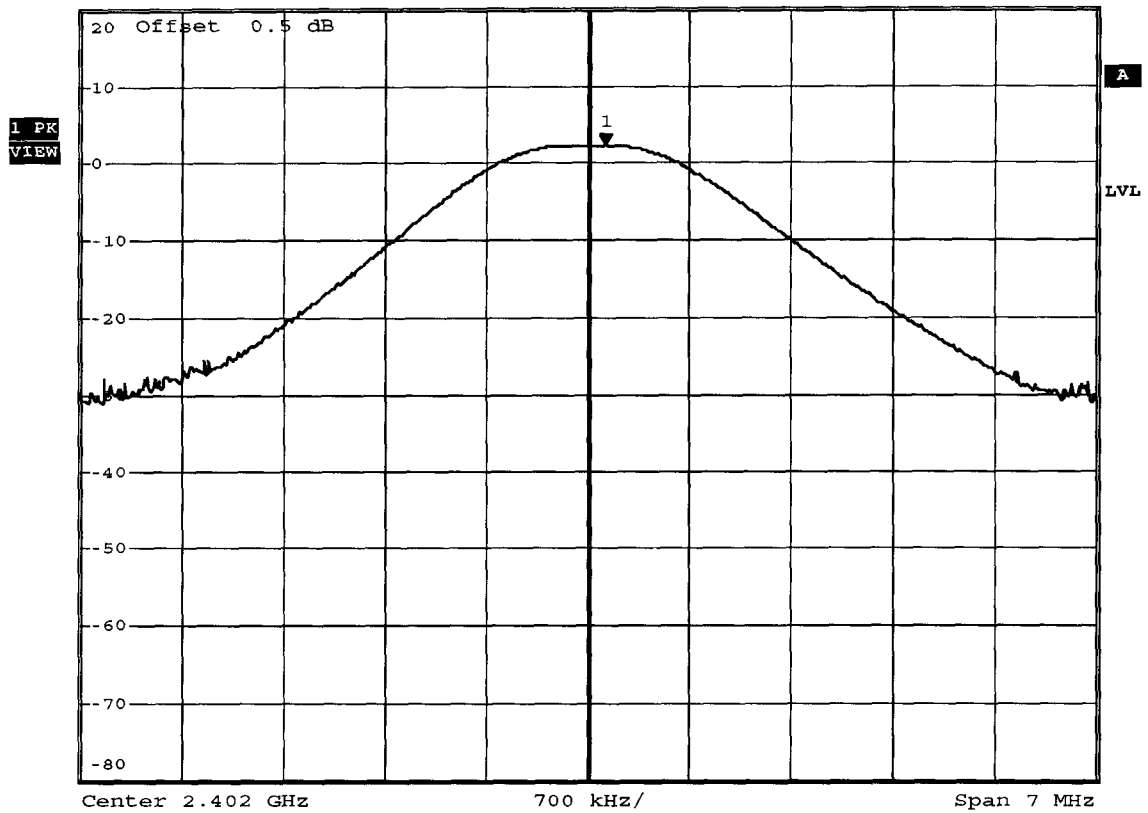
Measurement diagram

FCC part 15.247
Peak output power conducted

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



*RBW 1 MHz Marker 1 [T1]
 *VBW 1 MHz 2.16 dBm
 Ref 20 dBm Att 50 dB SWT 2.5 ms 2.402126000 GHz

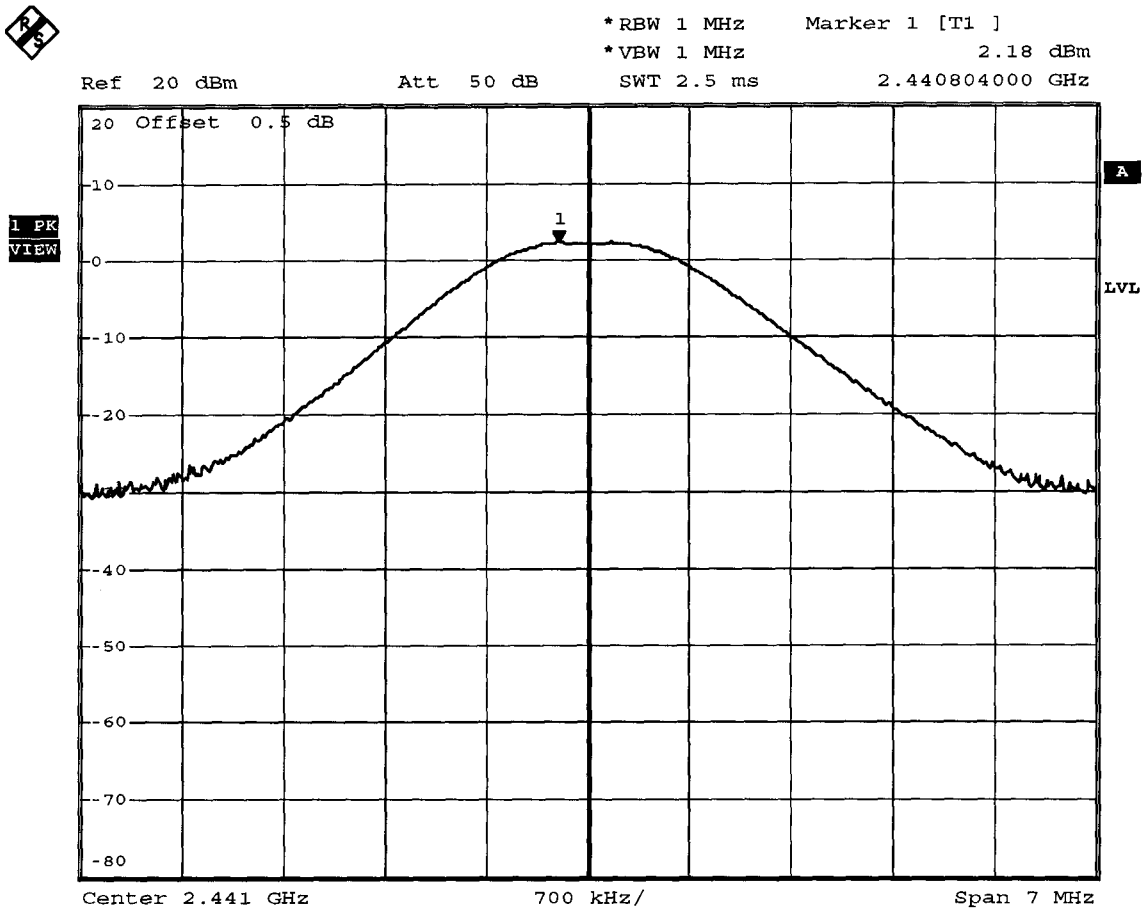


Comment: Output power=2.16 dBm; verdict: PASS
 Date: 11.JAN.2007 10:58:08

Measurement diagram

FCC part 15.247
Peak output power conducted

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vmin
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=2.18 dBm; verdict: PASS
Date: 11.JAN.2007 11:02:51

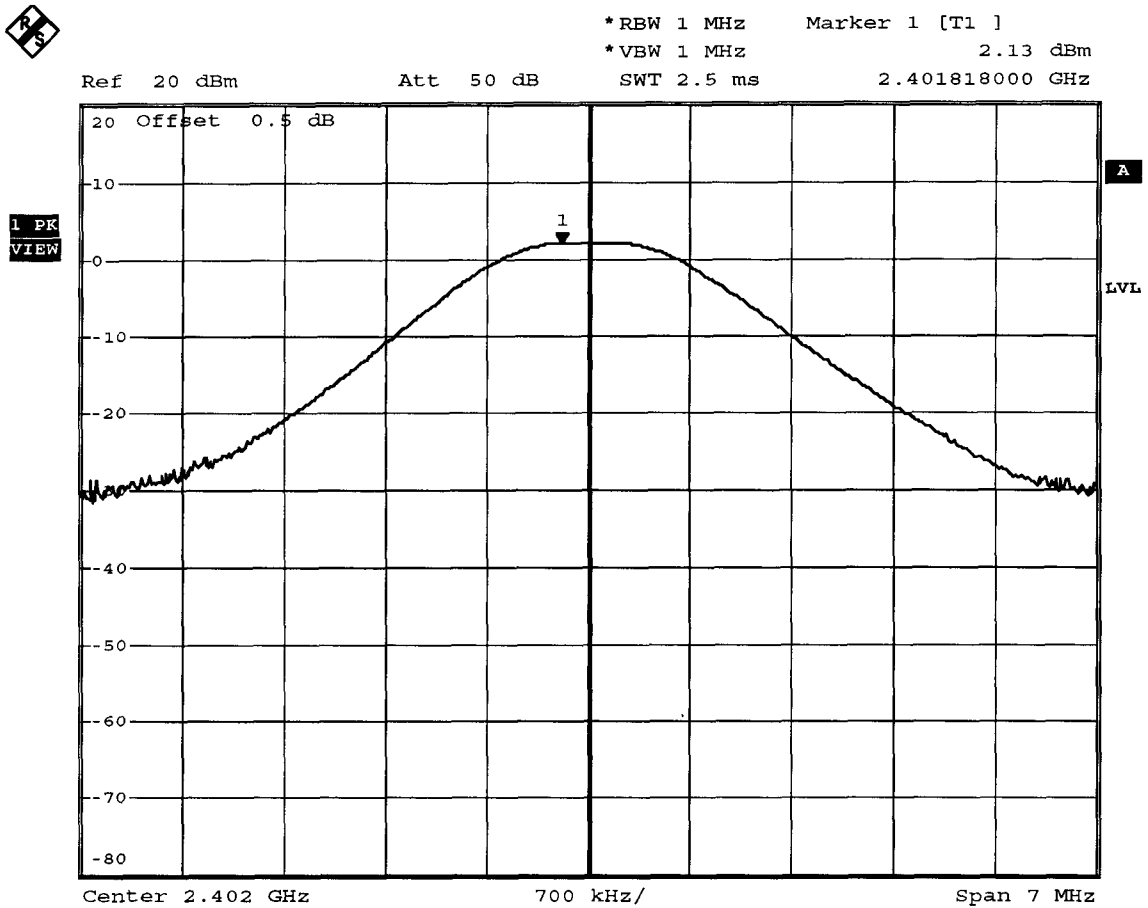
Measurement diagram

ETS Product Service AG

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

FCC part 15.247
Peak output power conducted

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	

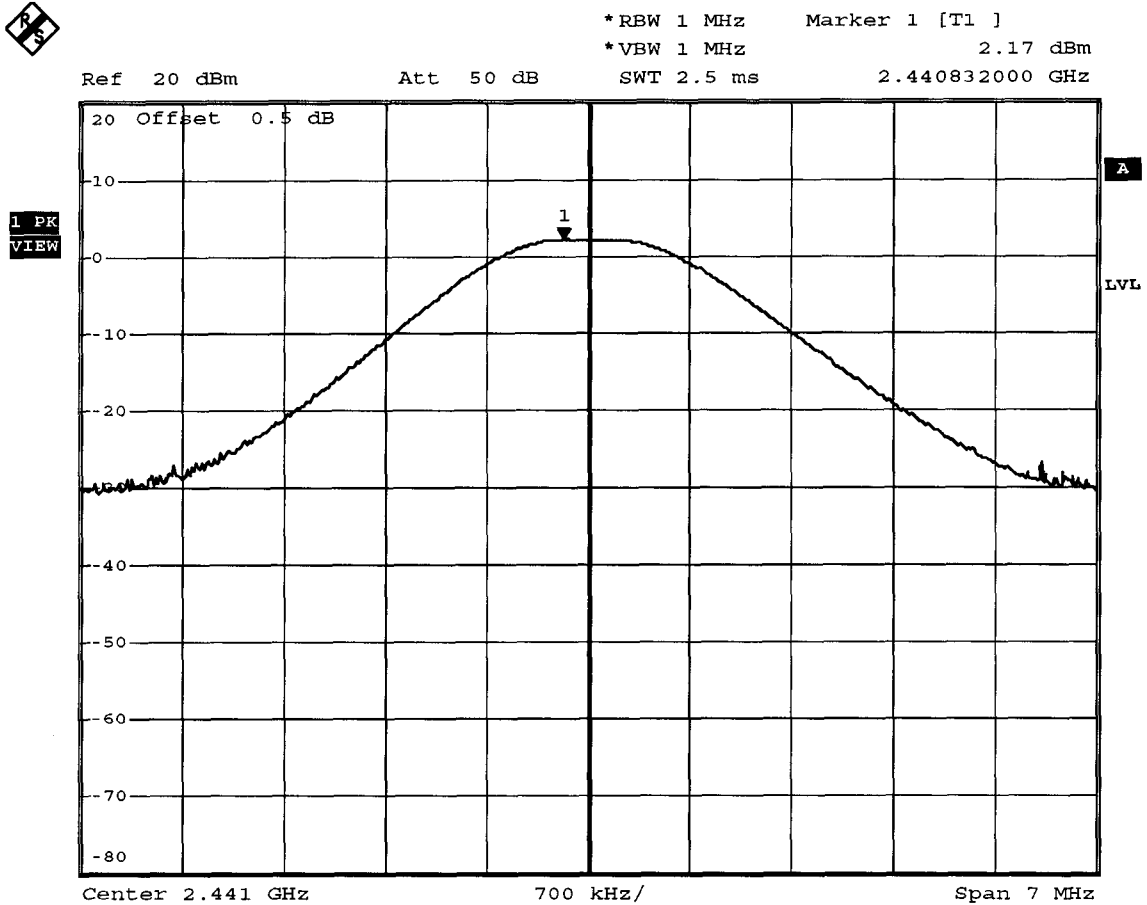


Comment: Output power=2.13 dBm; verdict: PASS
 Date: 11.JAN.2007 10:59:22

Measurement diagram

FCC part 15.247
Peak output power conducted

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment: Output power=2.17 dBm; verdict: PASS
 Date: 11.JAN.2007 11:01:02

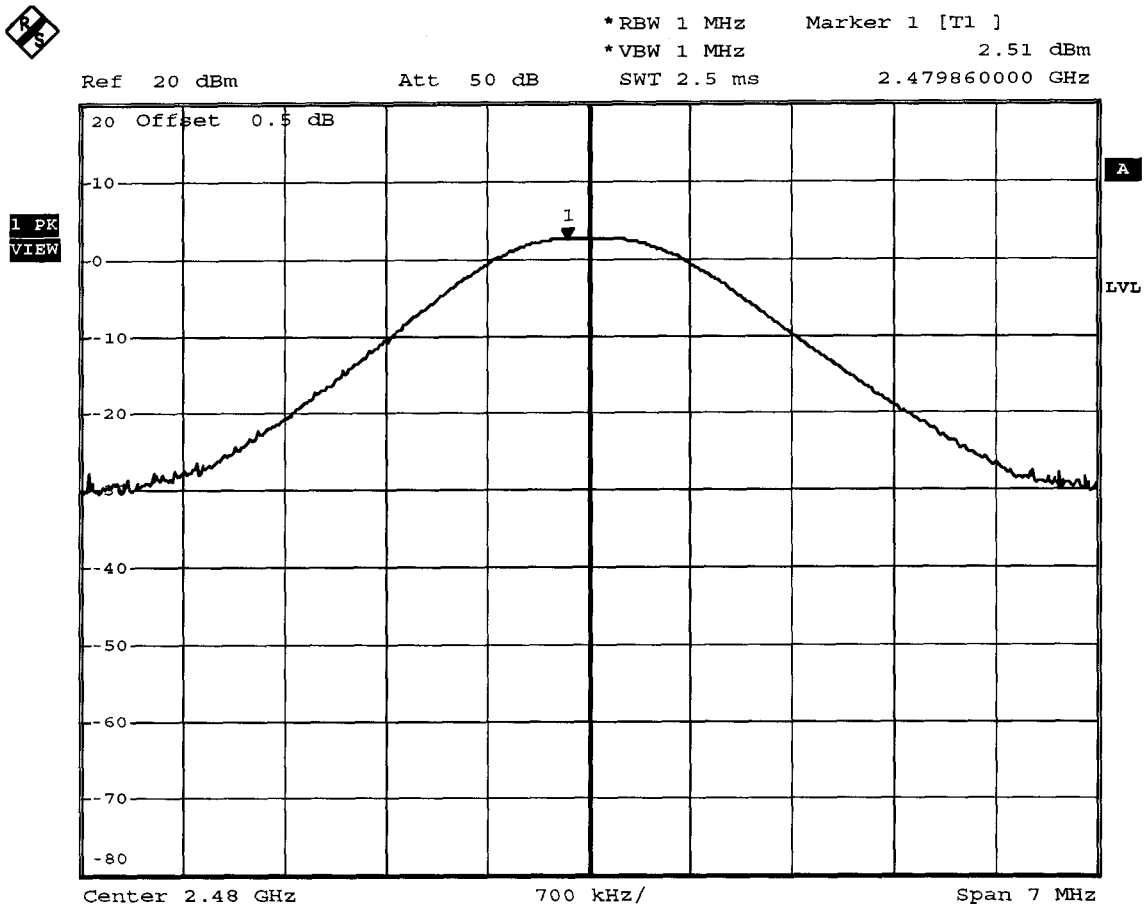
Measurement diagram

ETS Product Service AG

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

FCC part 15.247
Peak output power conducted

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vmax
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment: Output power=2.51 dBm; verdict: PASS
 Date: 11.JAN.2007 11:05:48

Measurement diagram

Appendix C

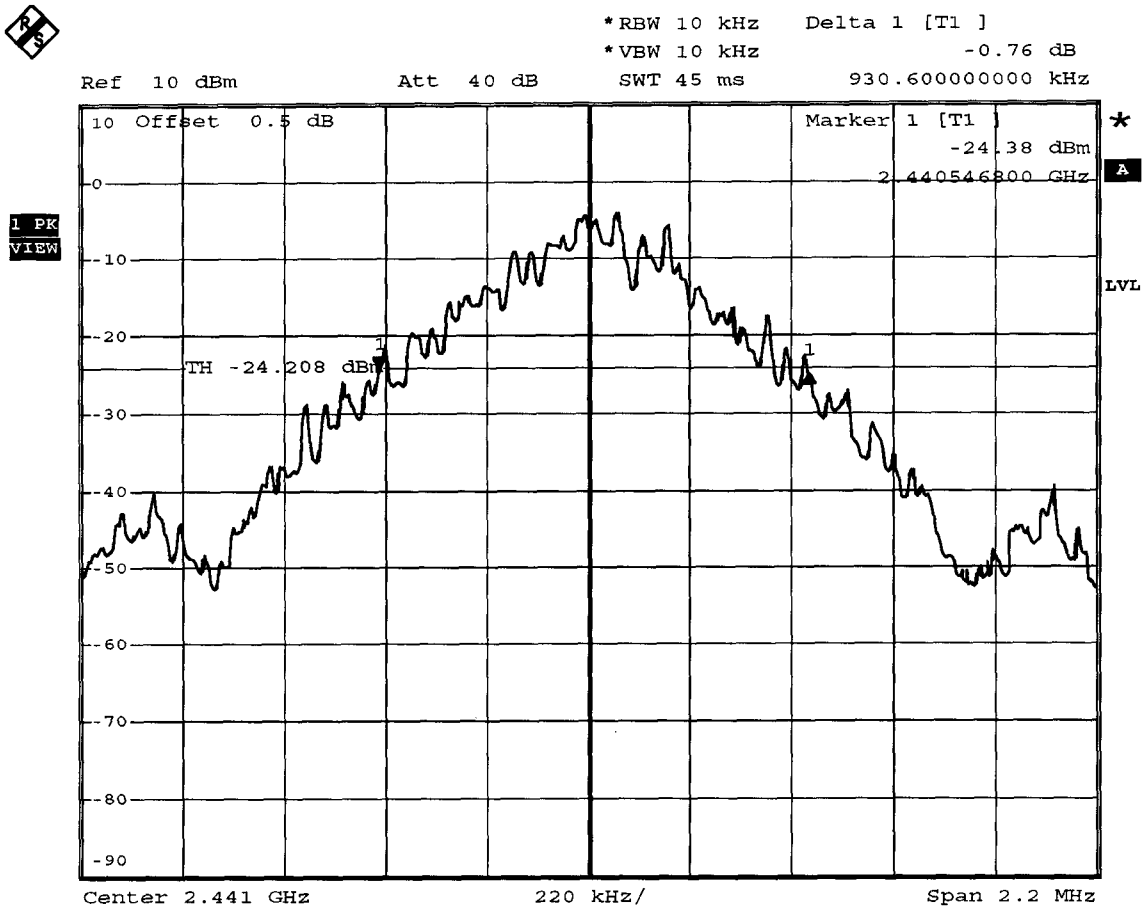
RF power output radiated (EIRP)

Appendix D

20 dB bandwidth

FCC part 15.247
20 dB bandwidth

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	

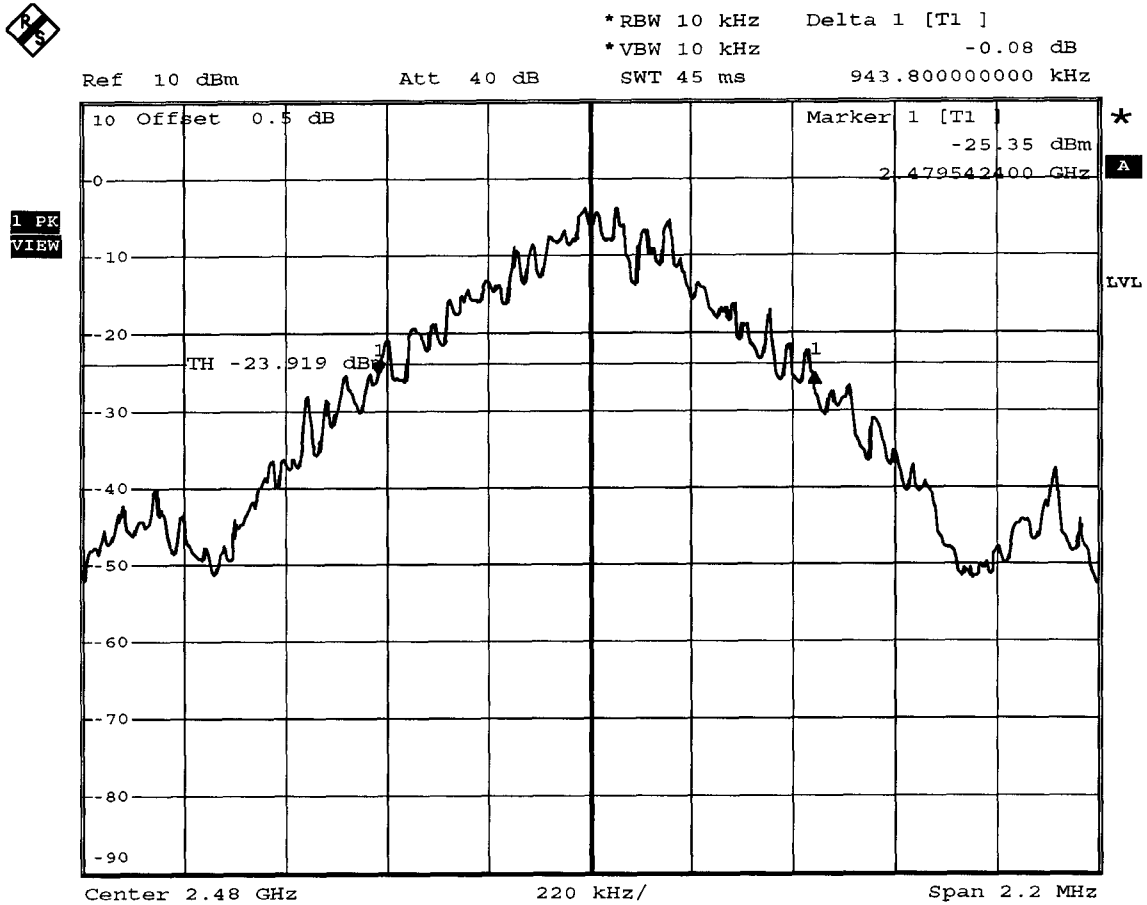


Comment: 20 dB bandwidth: 930.6 KHz < 1MHz; verdict: PASS
 Date: 11.JAN.2007 11:22:38

Measurement diagram

FCC part 15.247
20 dB bandwidth

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
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: 943.8 KHz < 1MHz; verdict: PASS
Date: 11.JAN.2007 11:17:02

Measurement diagram

ETS Product Service AG

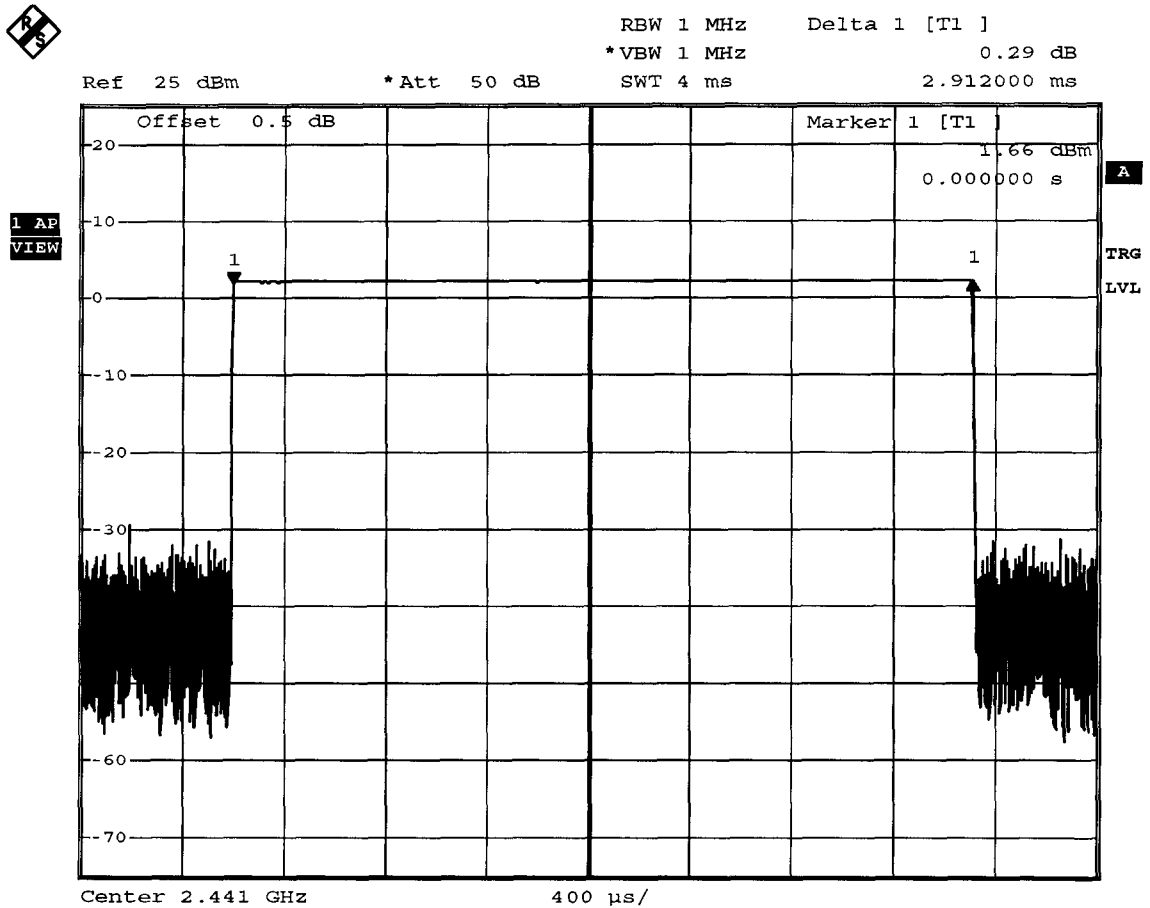
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Appendix E

Time of occupancy (dwell time)

FCC part 15.247
Time of occupancy (dwell time)

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Time of occupancy
Comment 2	Channel.: 39 / 2441 MHz (Hopping mode)
Comment 3	64 events * 2.912 ms result: 186.368 ms

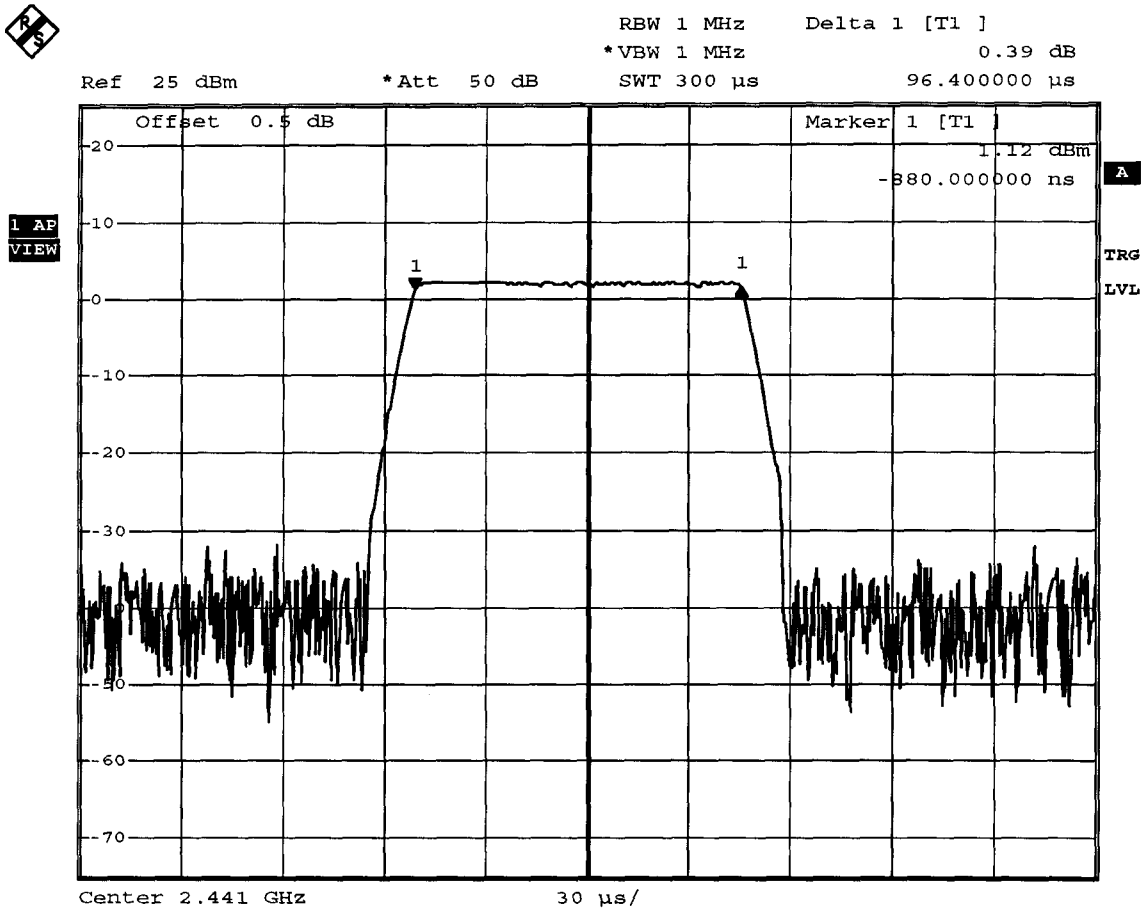


Comment: Burst length=2.912 ms
Date: 11.JAN.2007 14:22:30

Measurement diagram

FCC part 15.247
Time of occupancy inquiry

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Time of occupancy inquiry
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	573 events * 0.096400 ms result: 55.237 ms

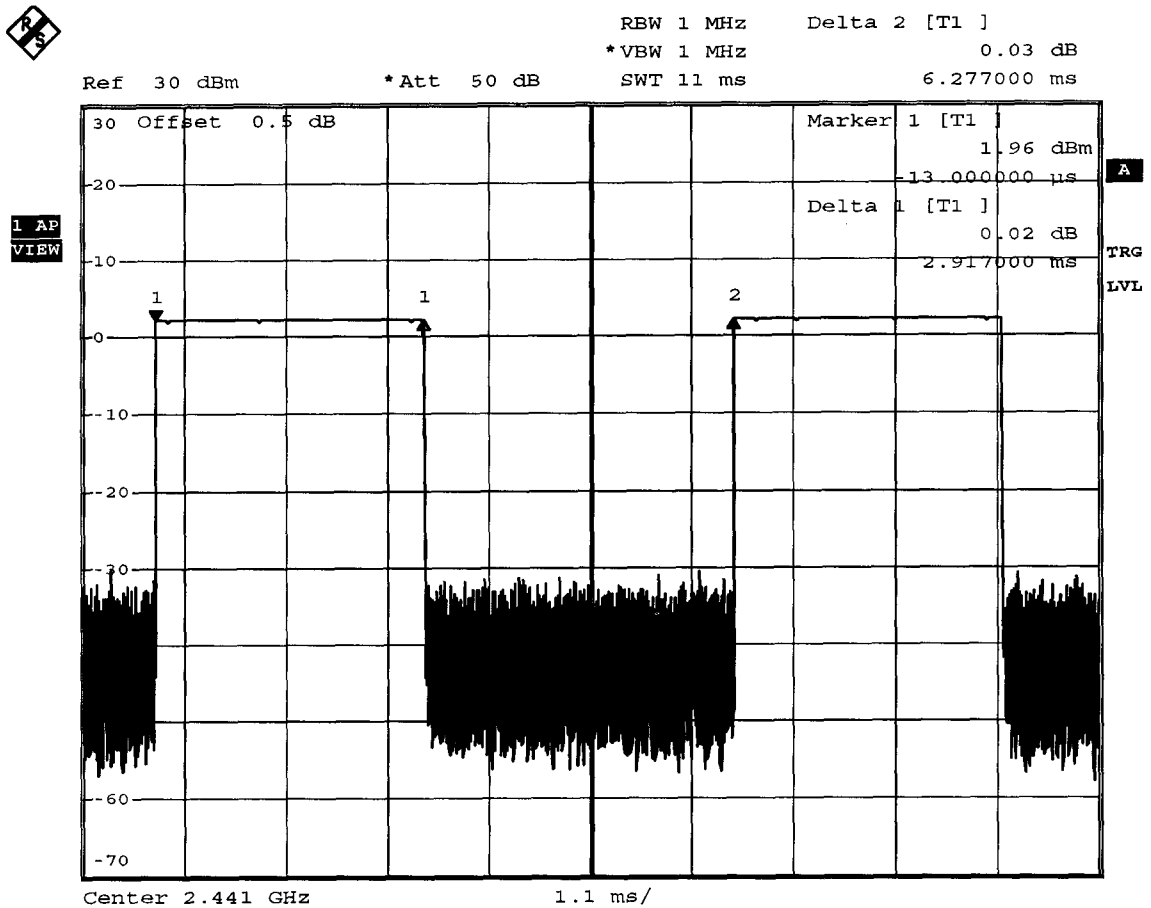


Comment: Burst length=0.0964 ms
Date: 11.JAN.2007 15:15:46

Measurement diagram

FCC part 15.247
Duty cycle

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
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: 11.JAN.2007 12:51:31

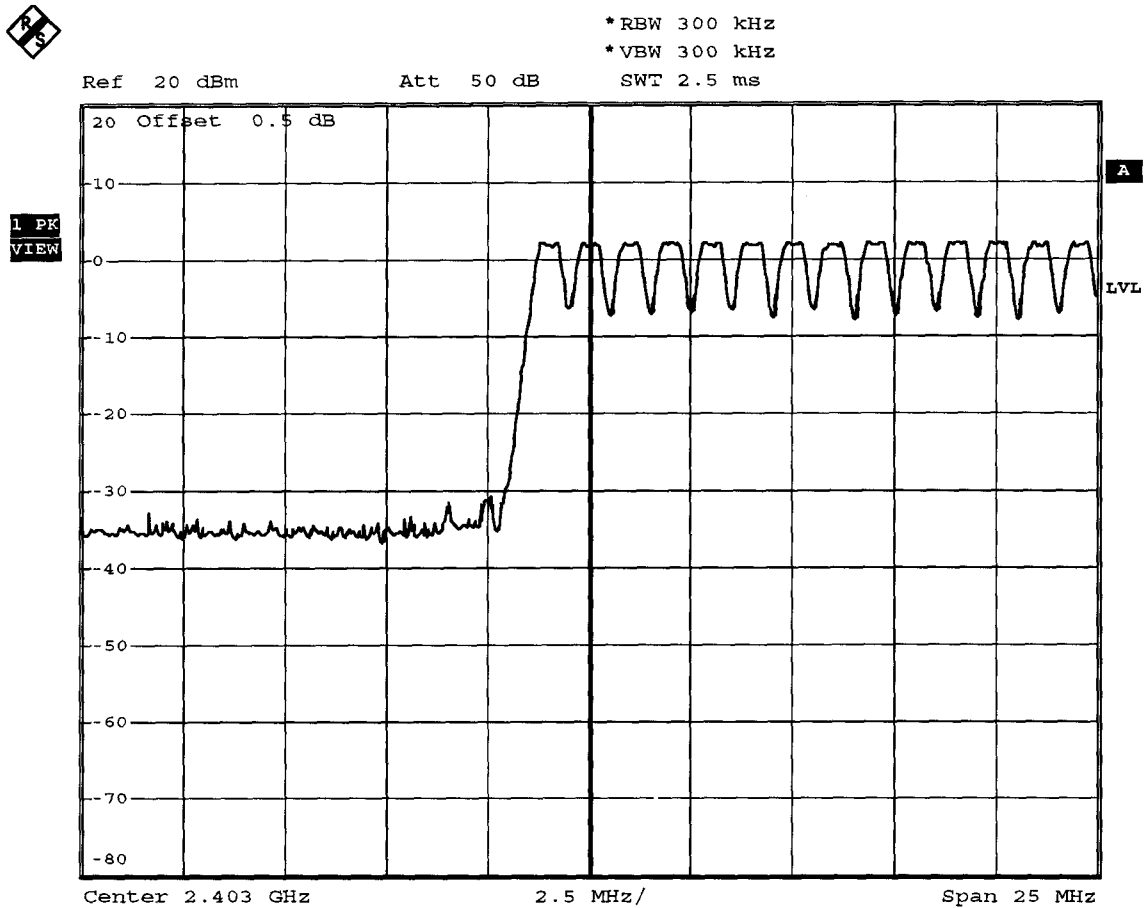
Measurement diagram

Appendix F

Number of hopping frequencies

FCC part 15.247
Number of hopping frequencies

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
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: 11.JAN.2007 14:08:45

Measurement diagram

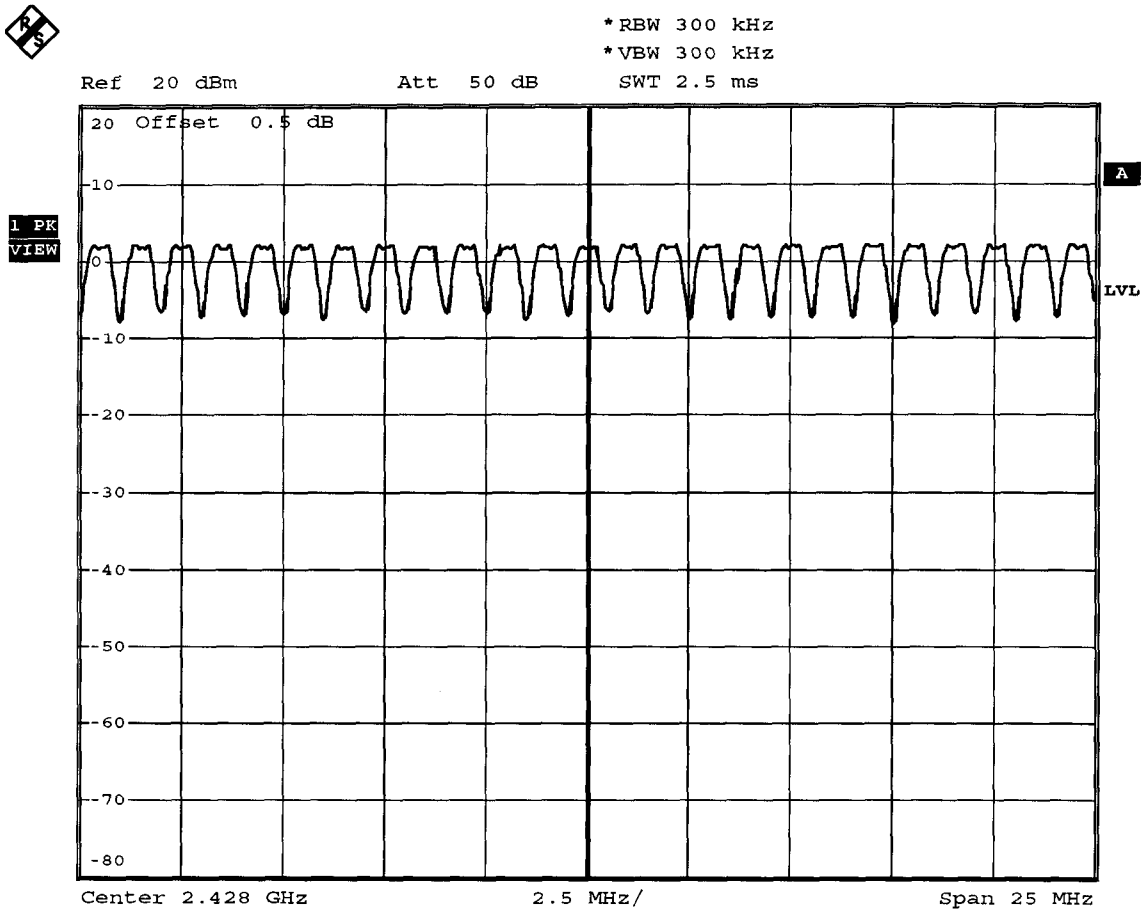
ETS Product Service AG

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

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FCC part 15.247
 Number of hopping frequencies

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 14-38
Comment 3	

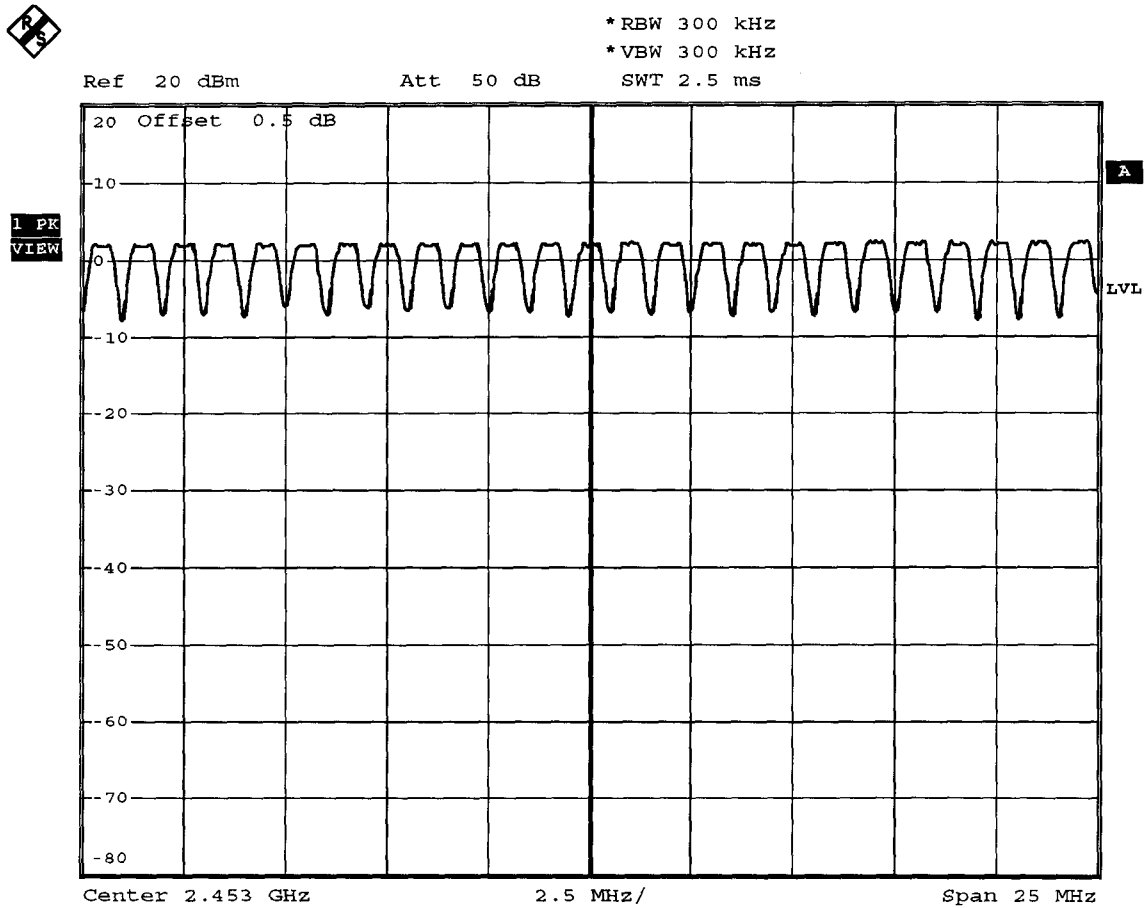


Comment: Number of hopping frequencies
 Date: 11.JAN.2007 14:11:09

Measurement diagram

FCC part 15.247
Number of hopping frequencies

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.:39-63
Comment 3	

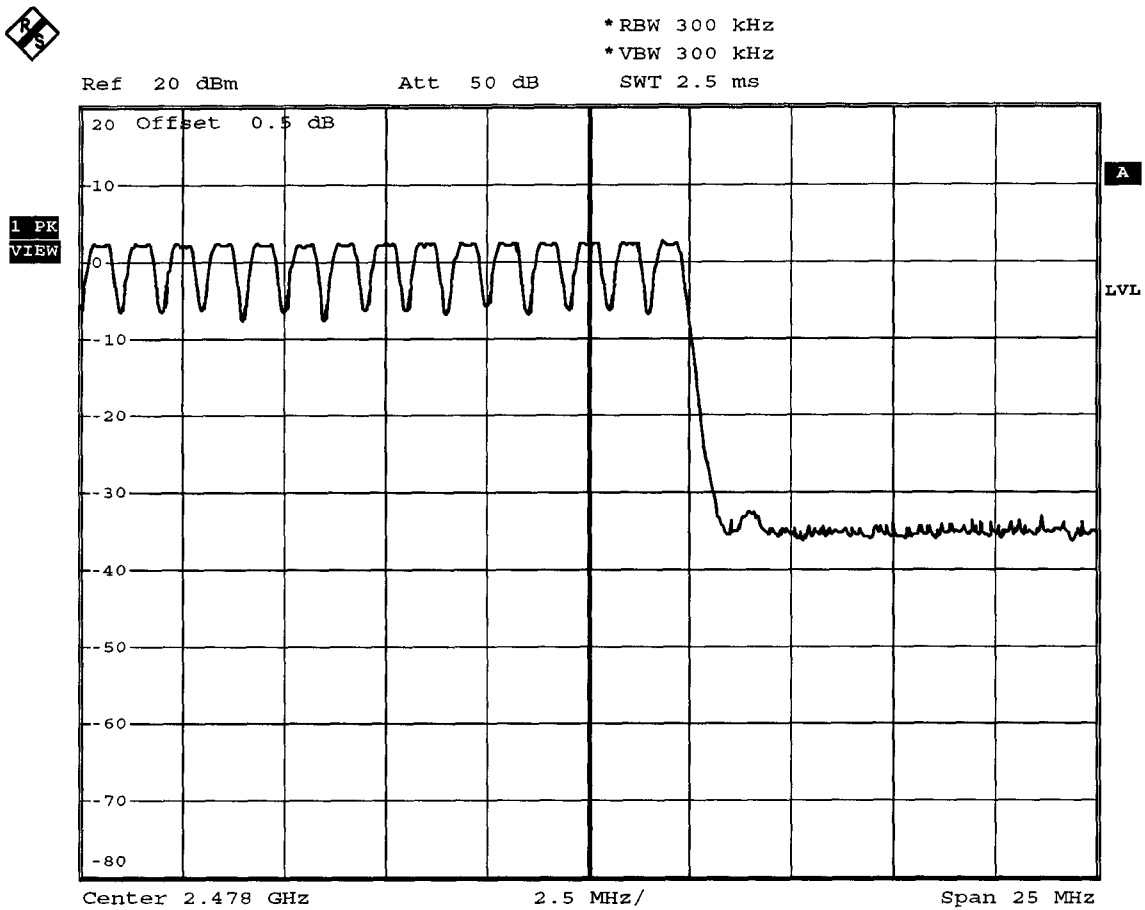


Comment: Number of hopping frequencies
 Date: 11.JAN.2007 14:13:32

Measurement diagram

FCC part 15.247
 Number of hopping frequencies

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 64-78
Comment 3	

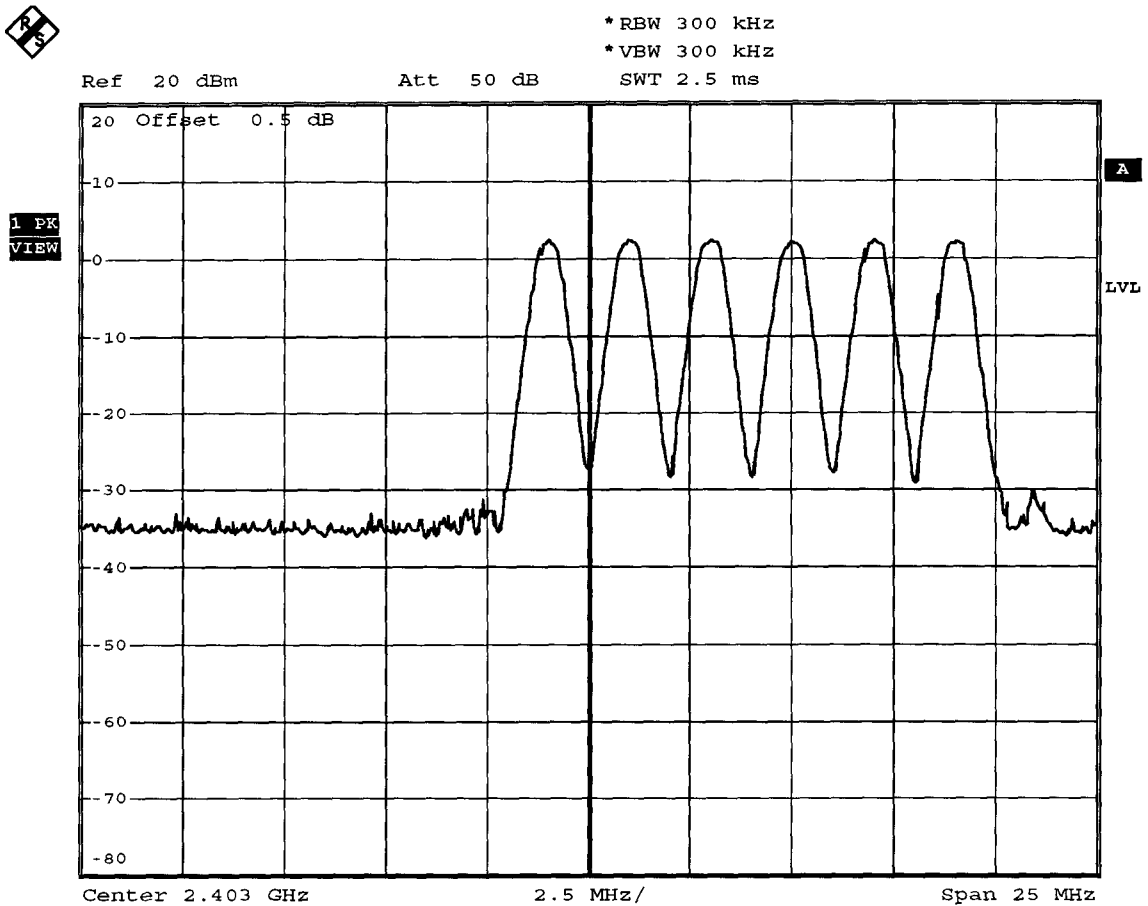


Comment: Number of hopping frequencies
 Date: 11.JAN.2007 14:16:04

Measurement diagram

FCC part 15.247
 Number of hopping frequencies

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Master inquiry mode
Comment 3	Channel.: 1-6

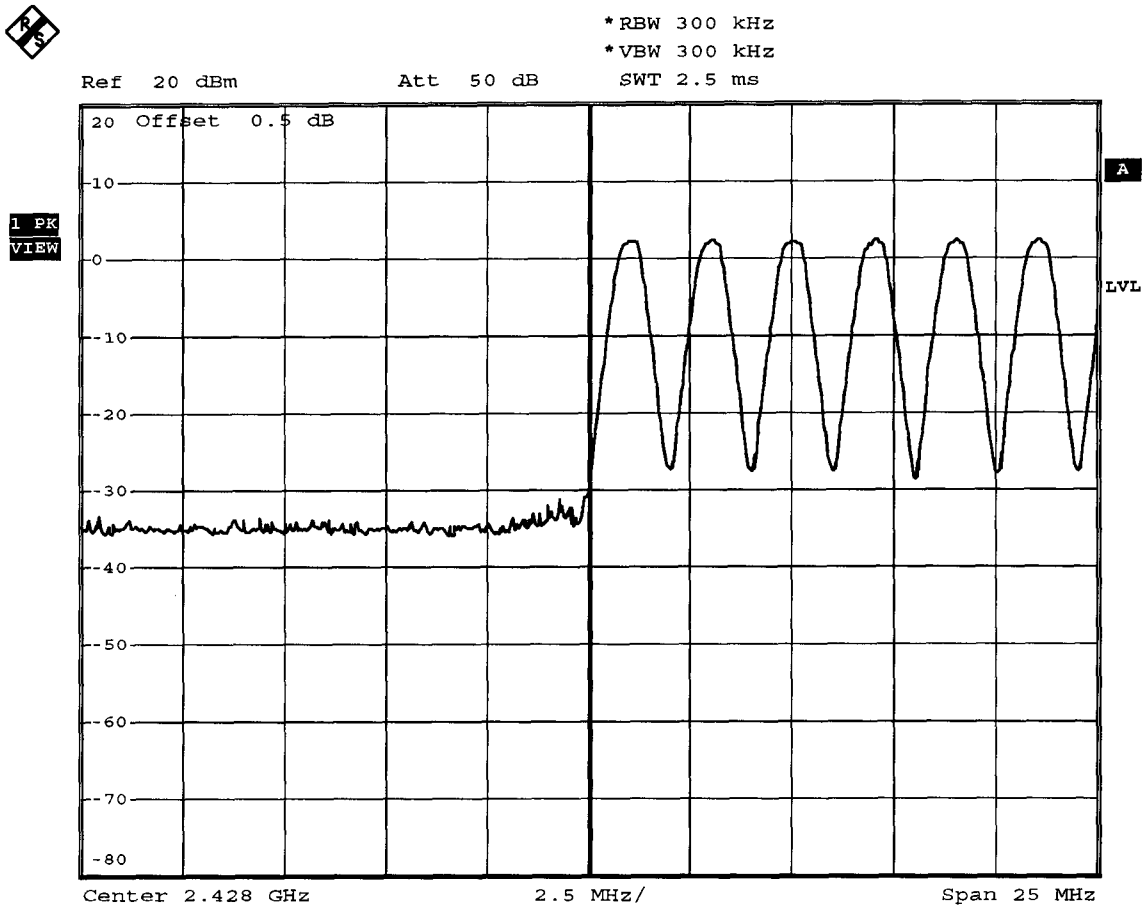


Comment: Number of hopping frequencies
 Date: 11.JAN.2007 14:48:31

Measurement diagram

FCC part 15.247
 Number of hopping frequencies

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Master inquiry mode
Comment 3	Channel.: 7-12

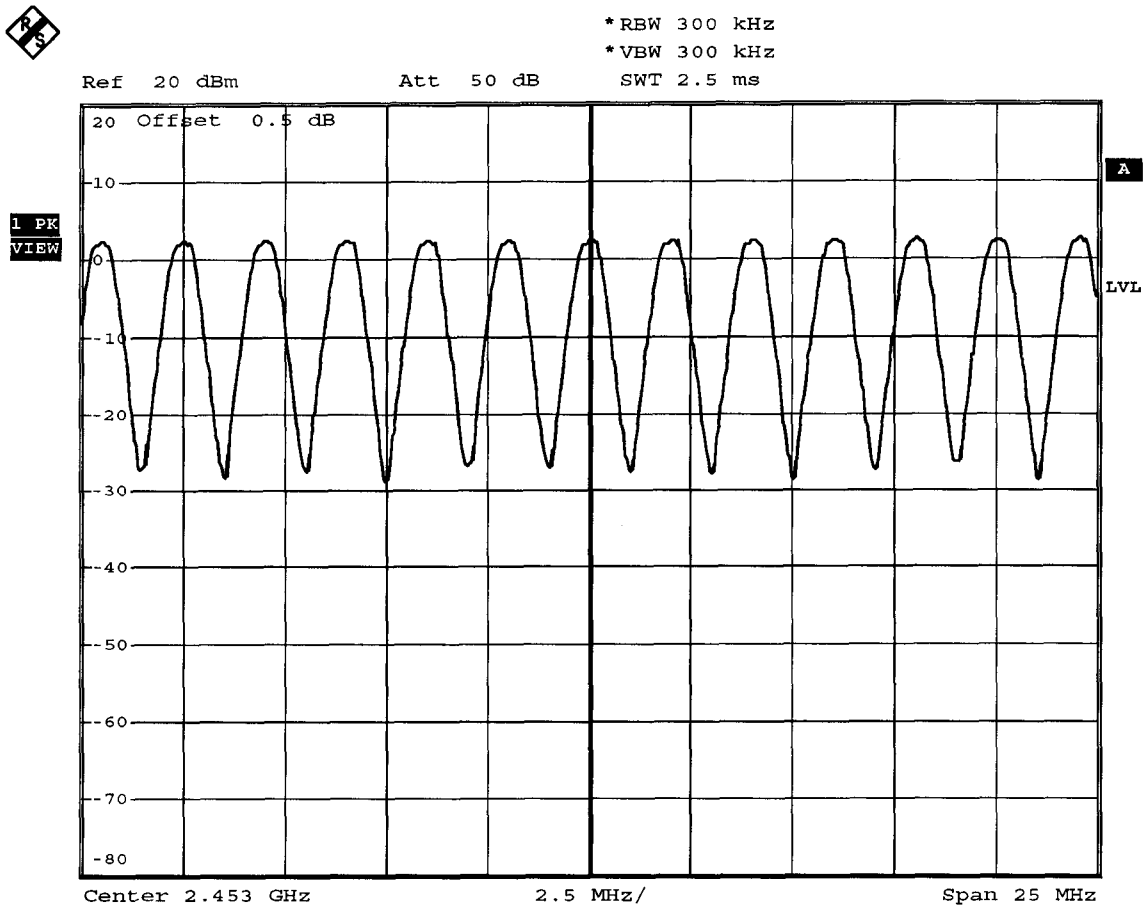


Comment: Number of hopping frequencies
 Date: 11.JAN.2007 14:53:22

Measurement diagram

FCC part 15.247
 Number of inquiry frequencies

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of inquiry frequencies
Comment 2	Master inquiry mode
Comment 3	Channel.: 13-25

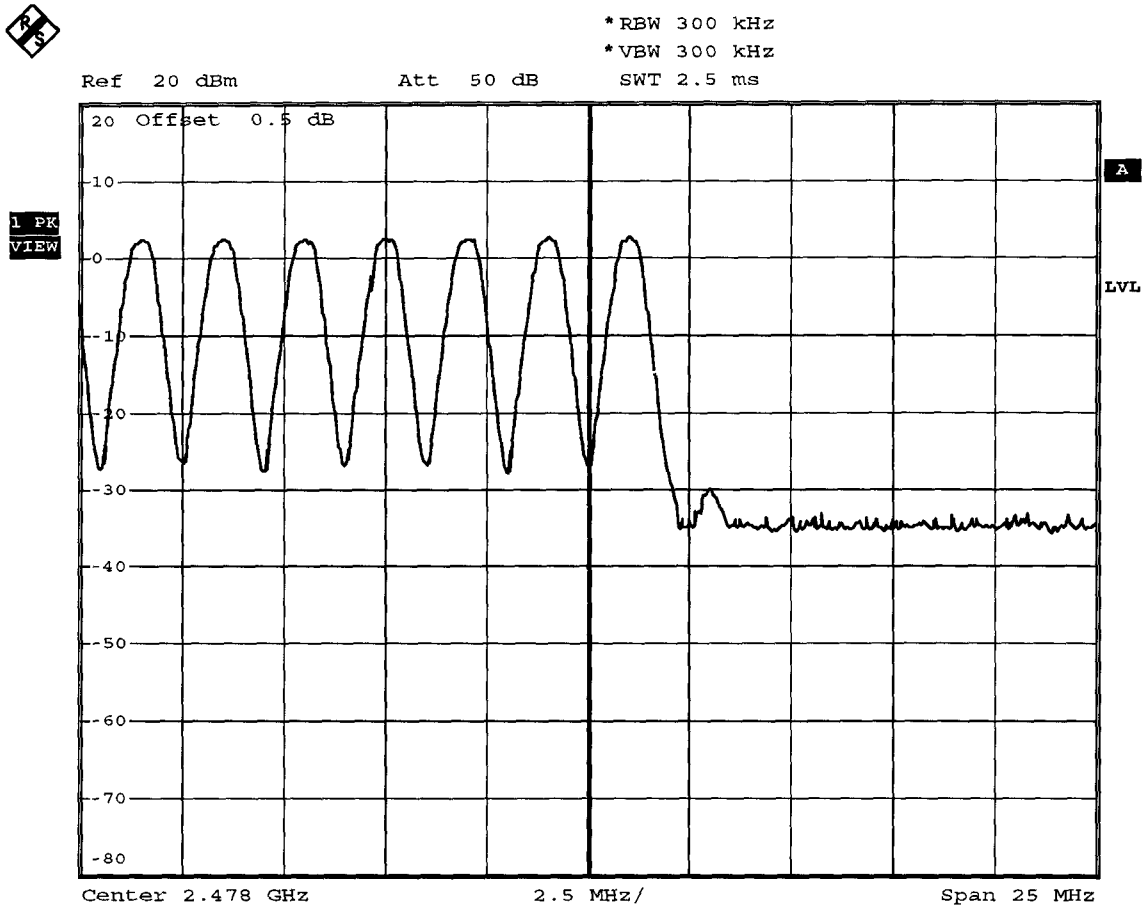


Comment: Number of hopping frequencies
 Date: 11.JAN.2007 14:58:19

Measurement diagram

FCC part 15.247
 Number of inquiry frequencies

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
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: 11.JAN.2007 15:02:48

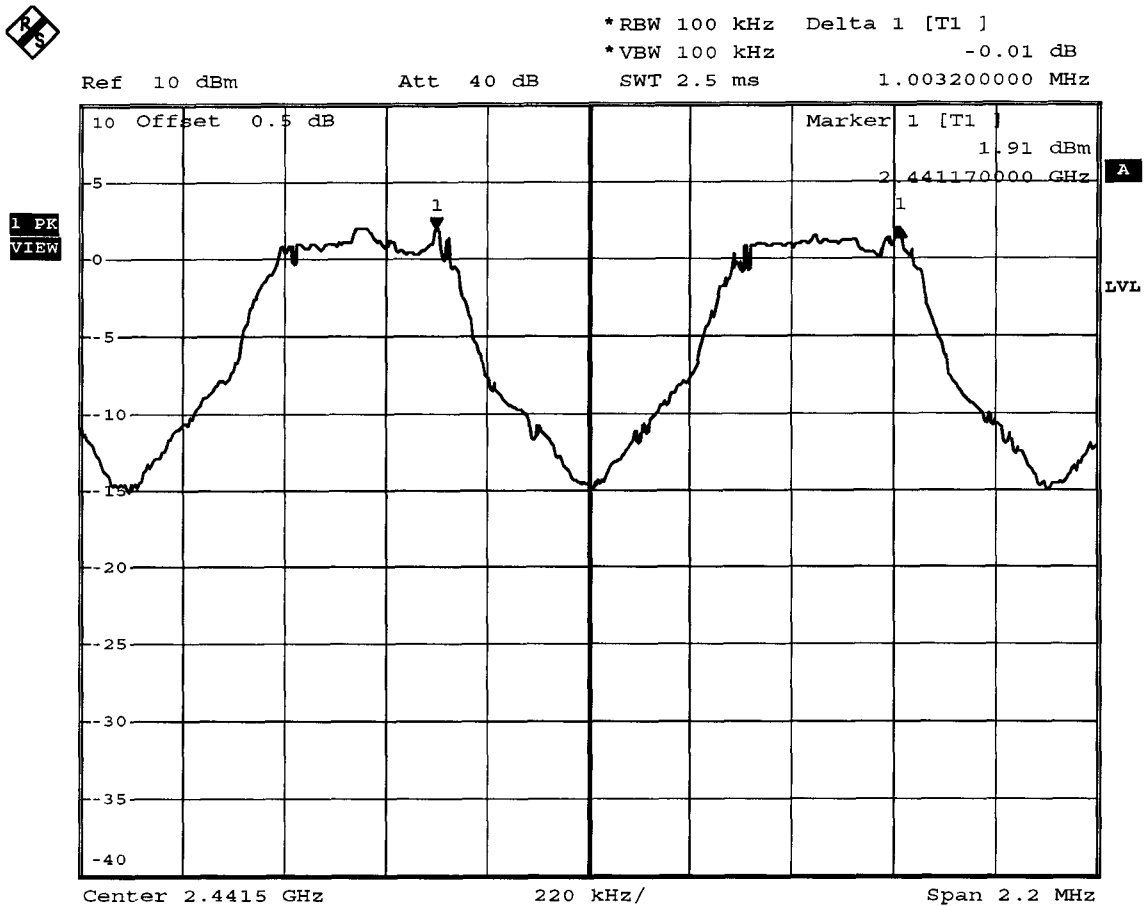
Measurement diagram

Appendix G

Carrier frequency separation

FCC part 15.247
Carrier frequency separation

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
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



Comment: Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass
 Date: 11.JAN.2007 13:24:21

Measurement diagram

ETS Product Service AG

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

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Appendix H

Spurious emission conducted

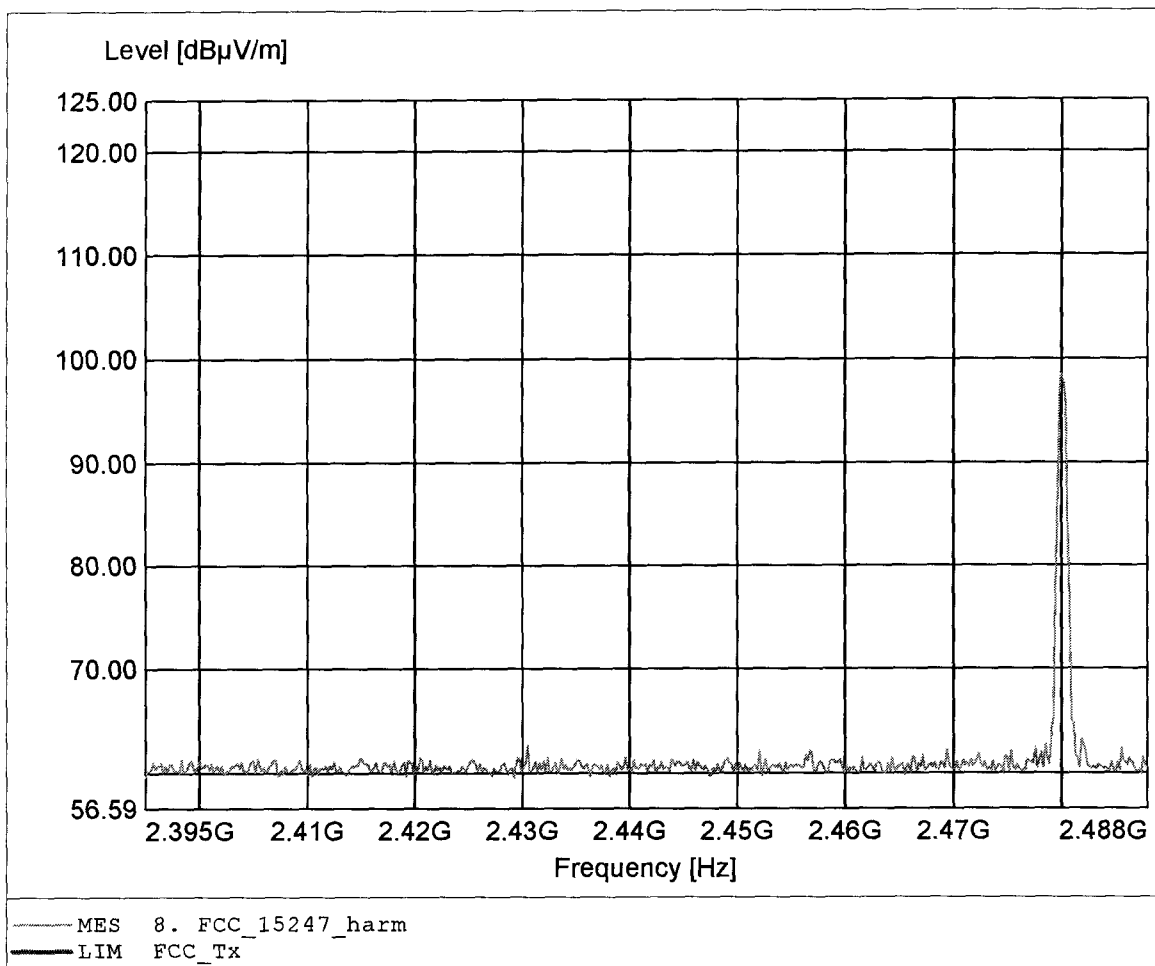
Appendix I

Spurious emission radiated

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

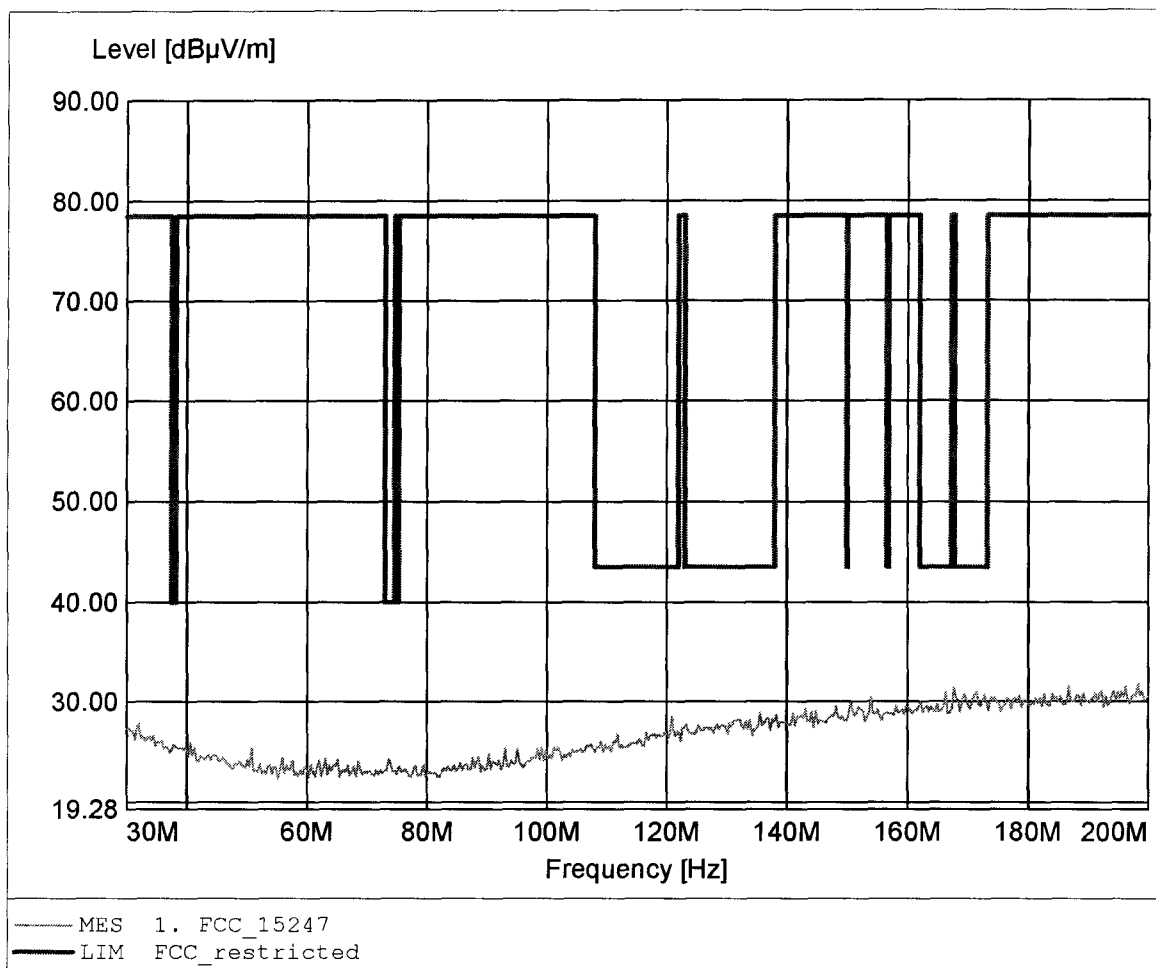
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Emax: 98.47dBµV/m, REW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

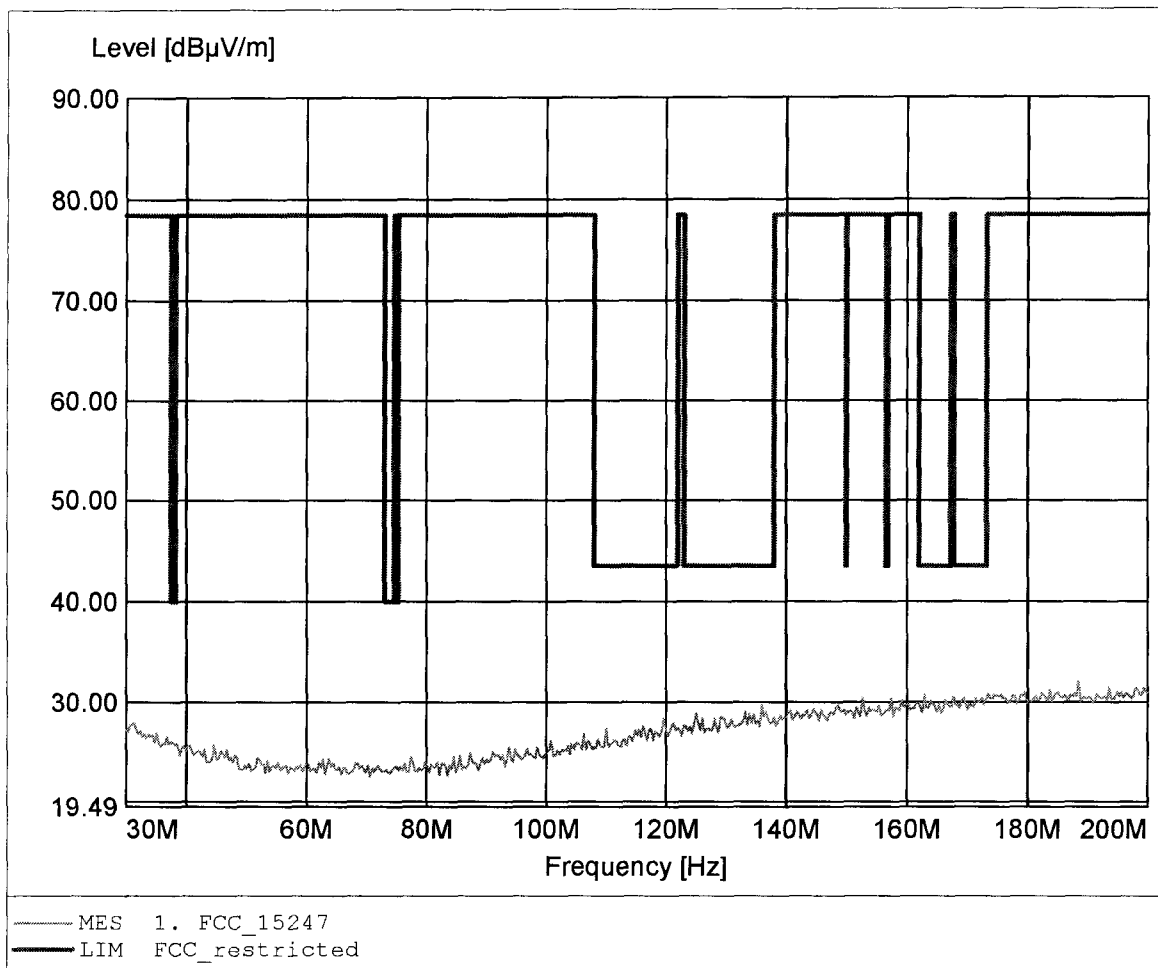
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.297MHz, Emax: 31.78dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

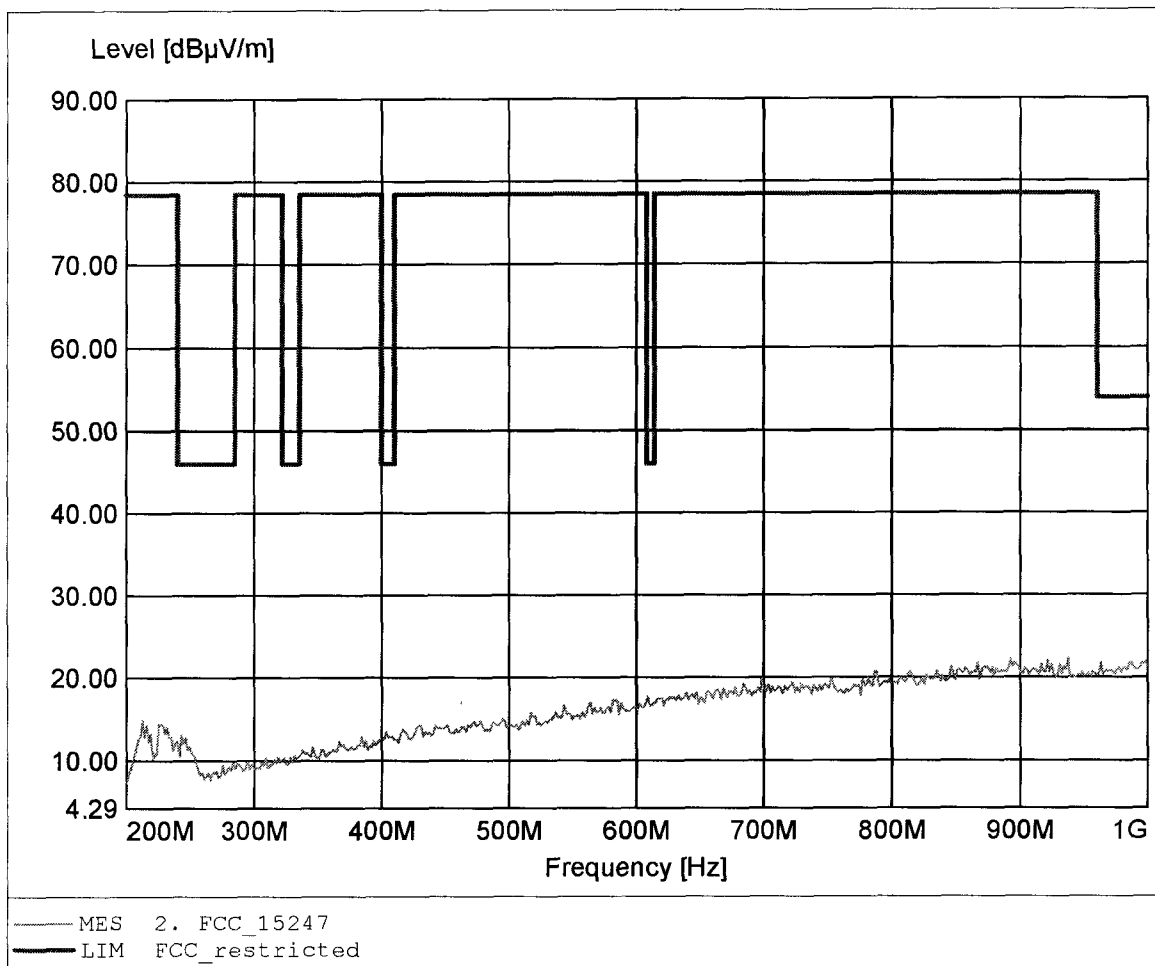
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 188.417MHz, Emax: 32.10dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

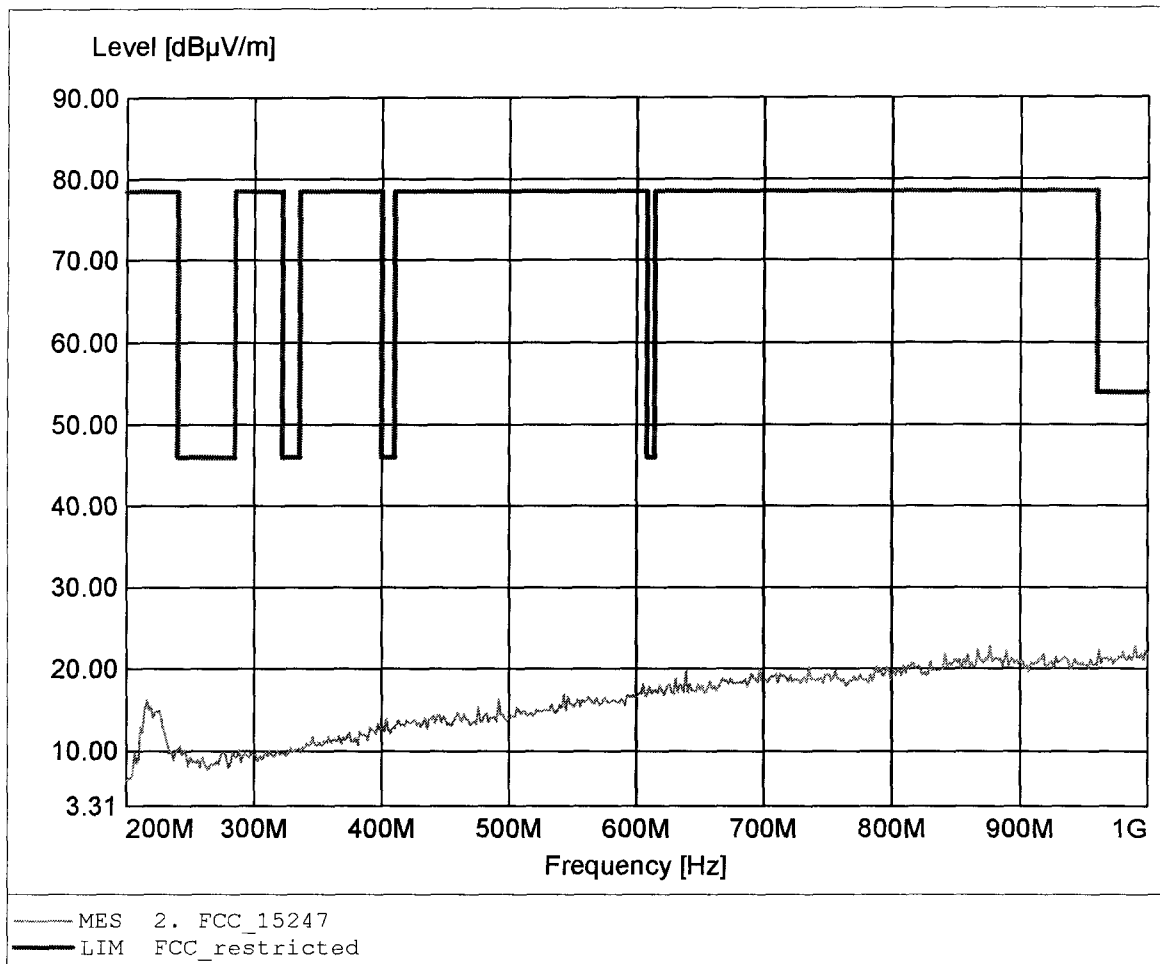
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 937.475MHz, Emax: 22.28dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

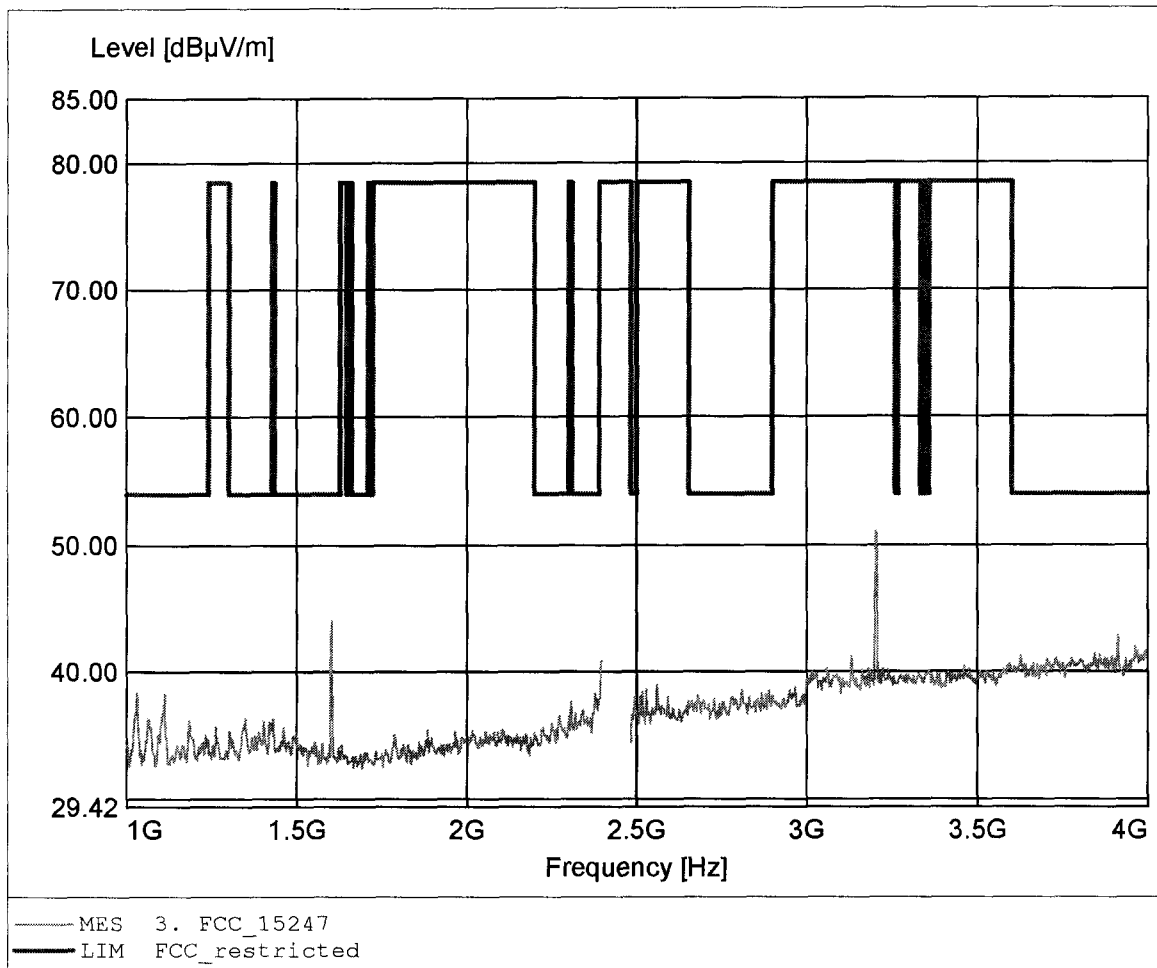
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 990.381MHz, Emax: 22.77dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

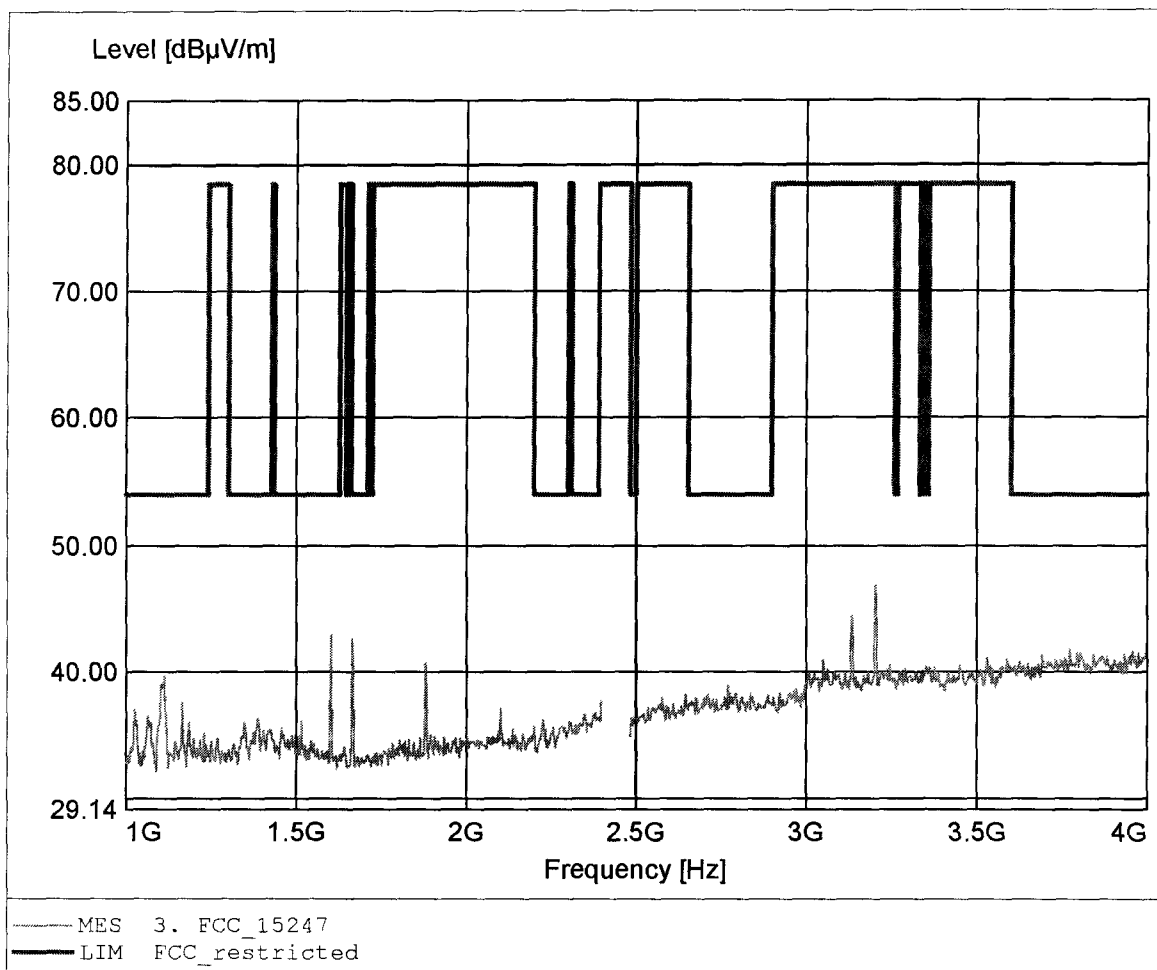
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.202GHz, Emax: 51.03dBµV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

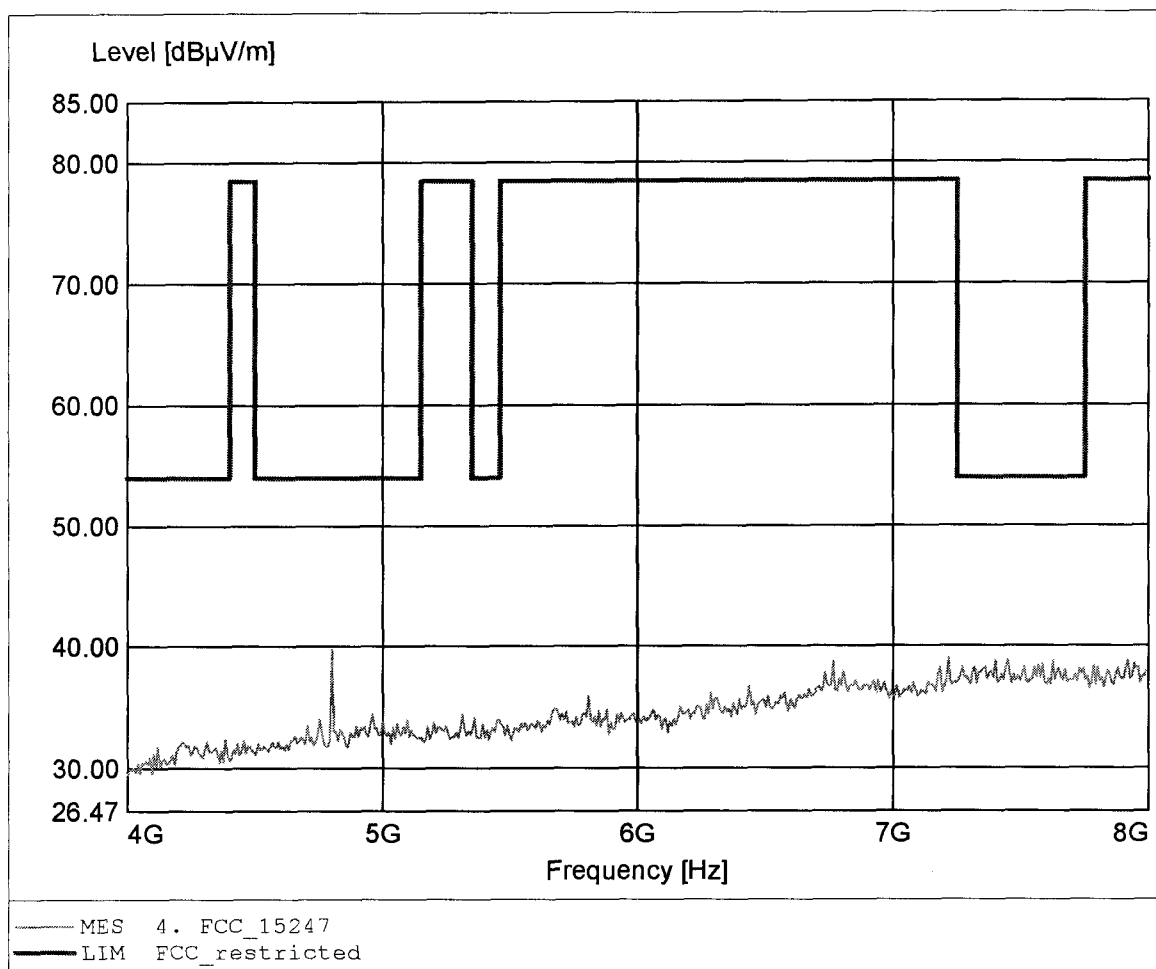
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.202GHz, Emax: 46.91dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

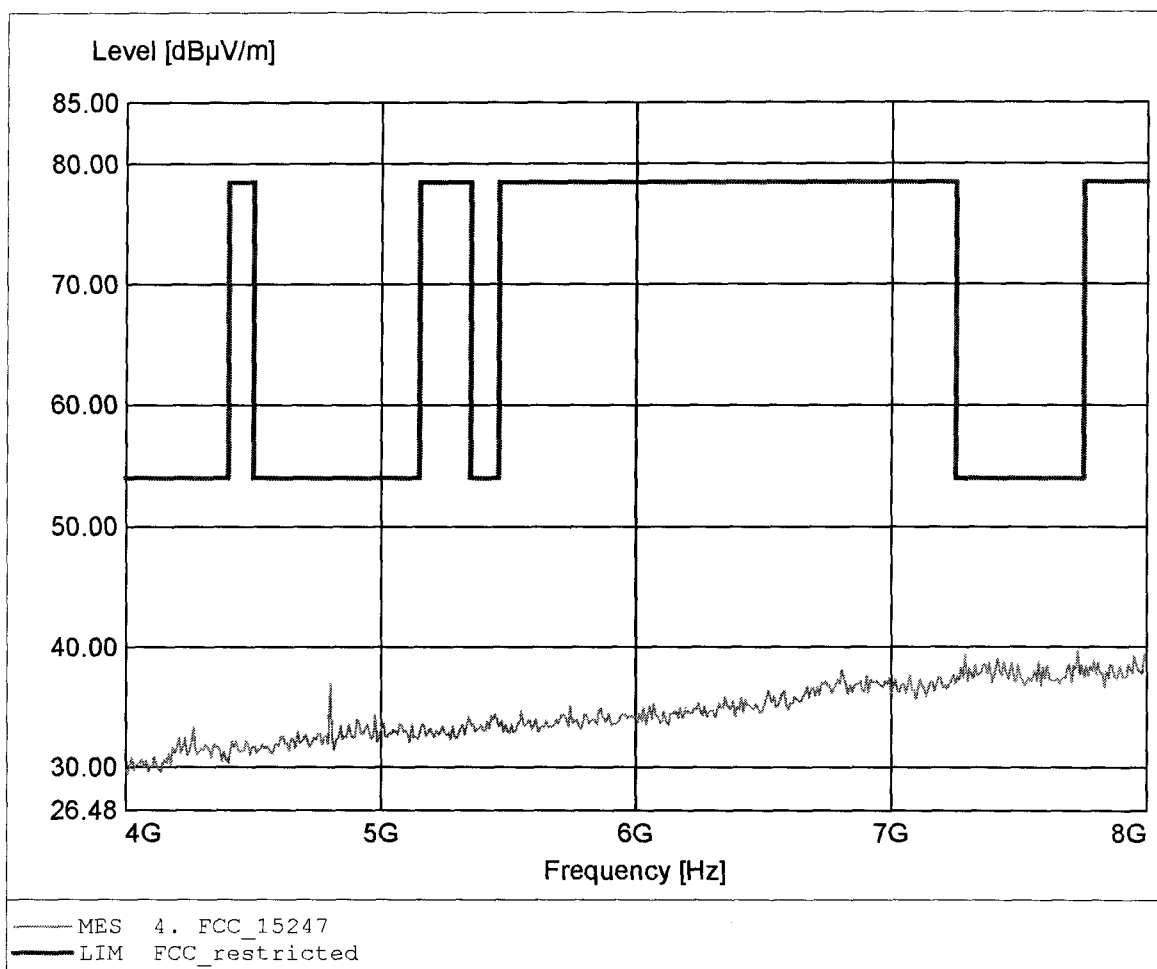
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.800GHz, Emax: 39.70dBµV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

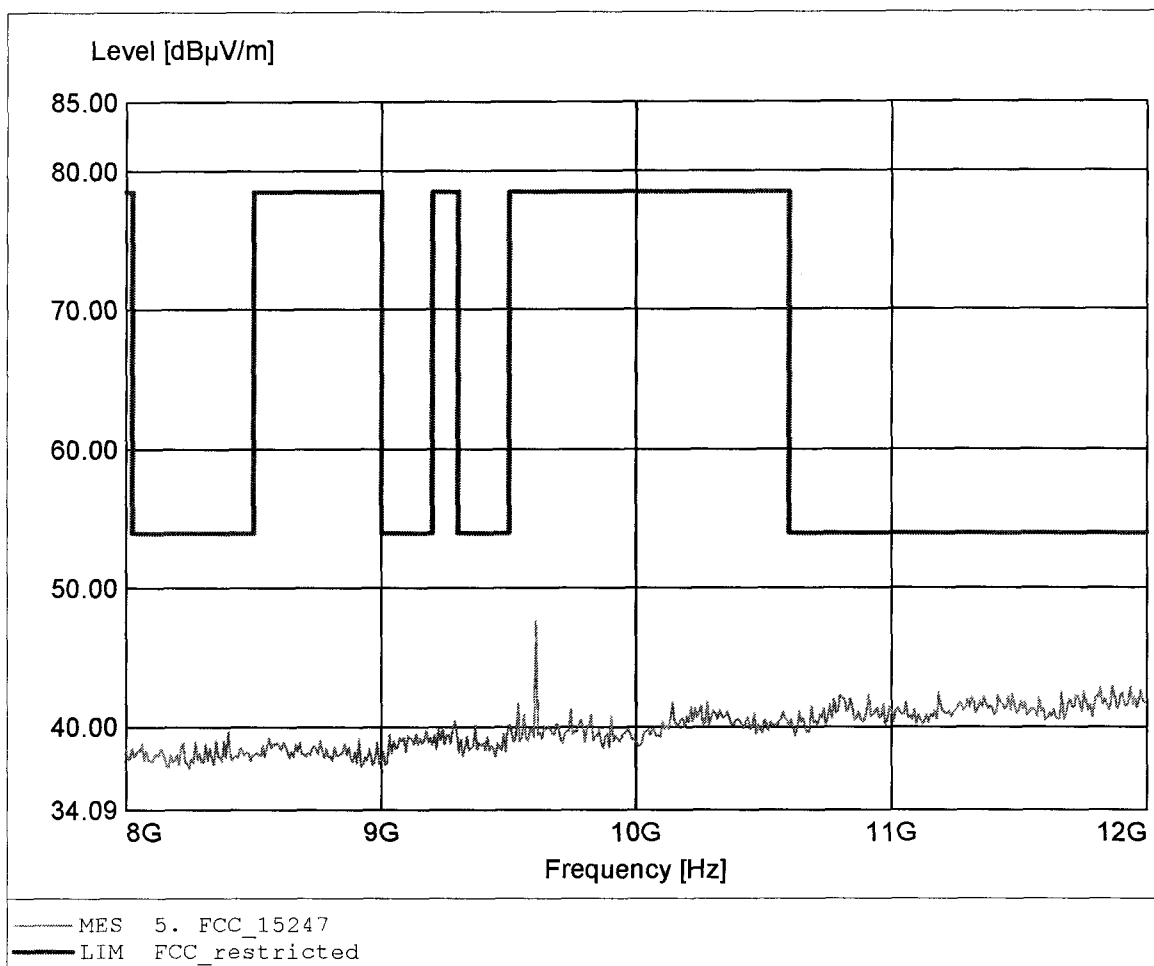
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.728GHz, Emax: 39.71dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

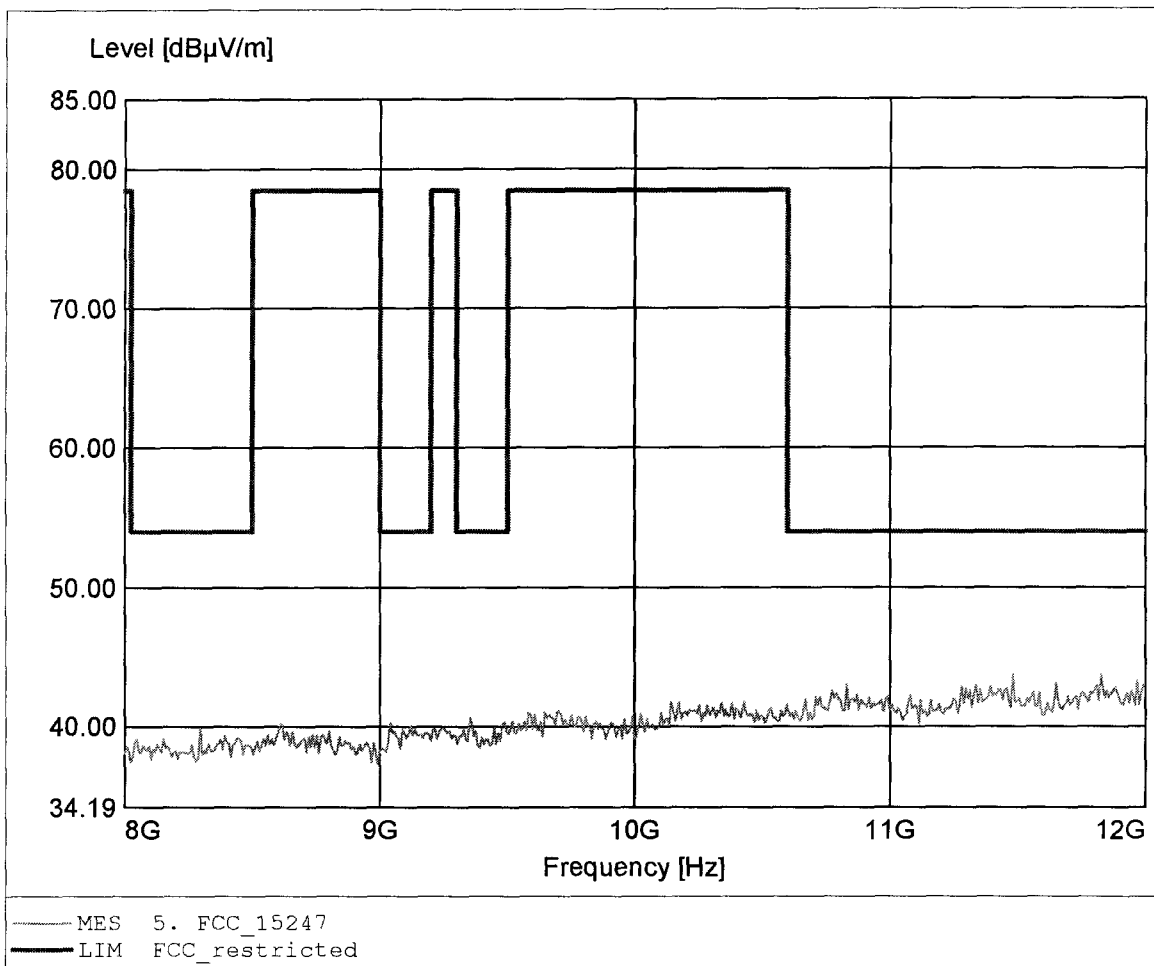
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.608GHz, Emax: 47.61dBuV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

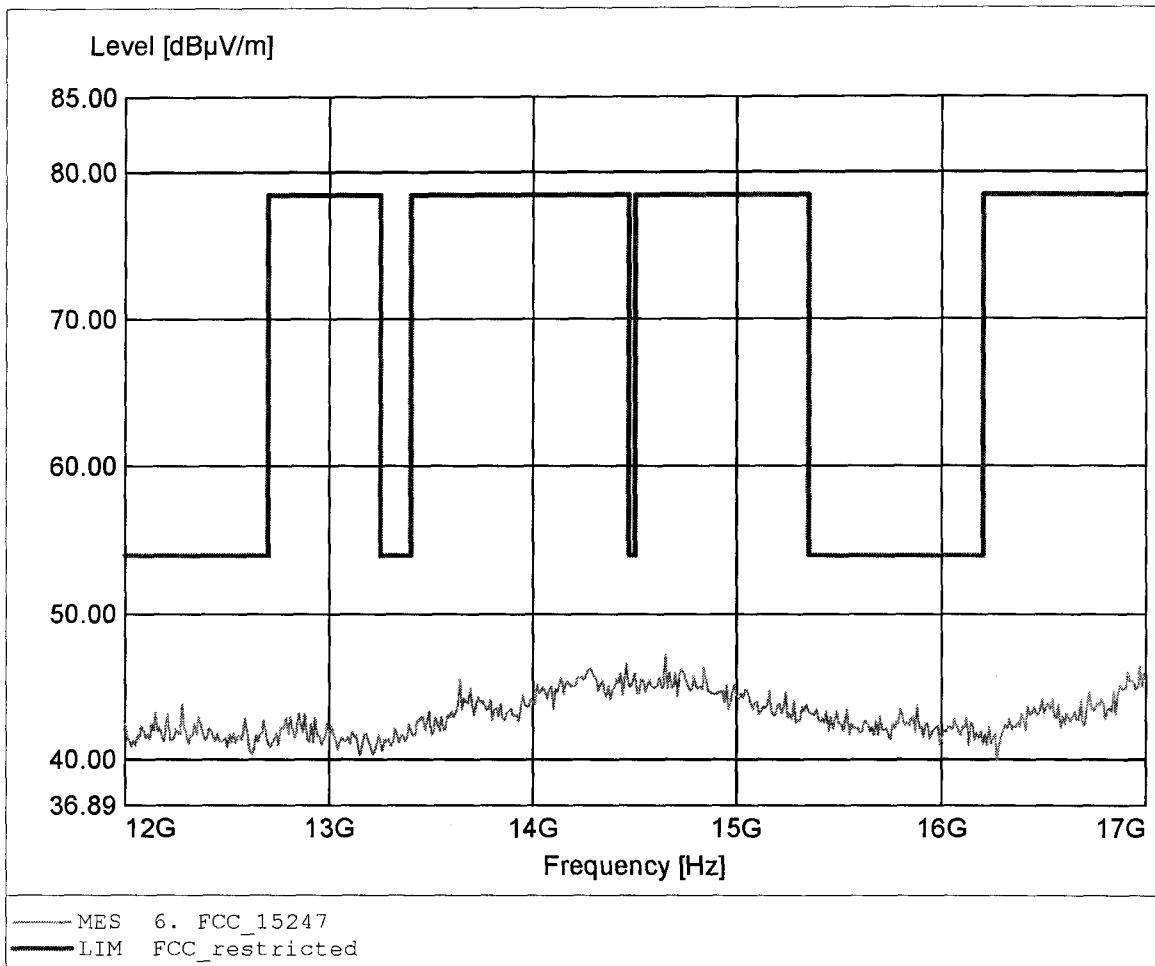
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.824GHz, Emax: 43.72dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

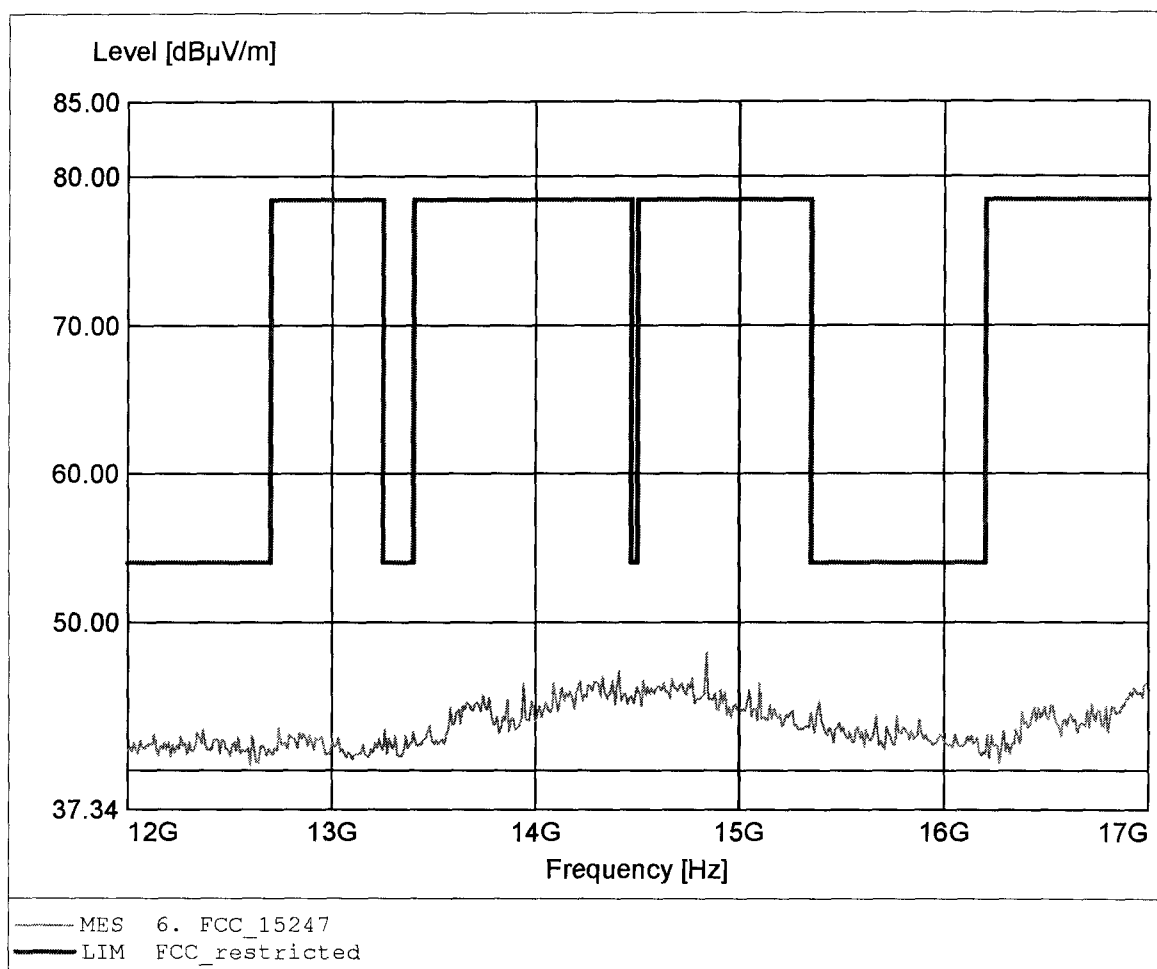
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.650GHz, Emax: 47.24dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

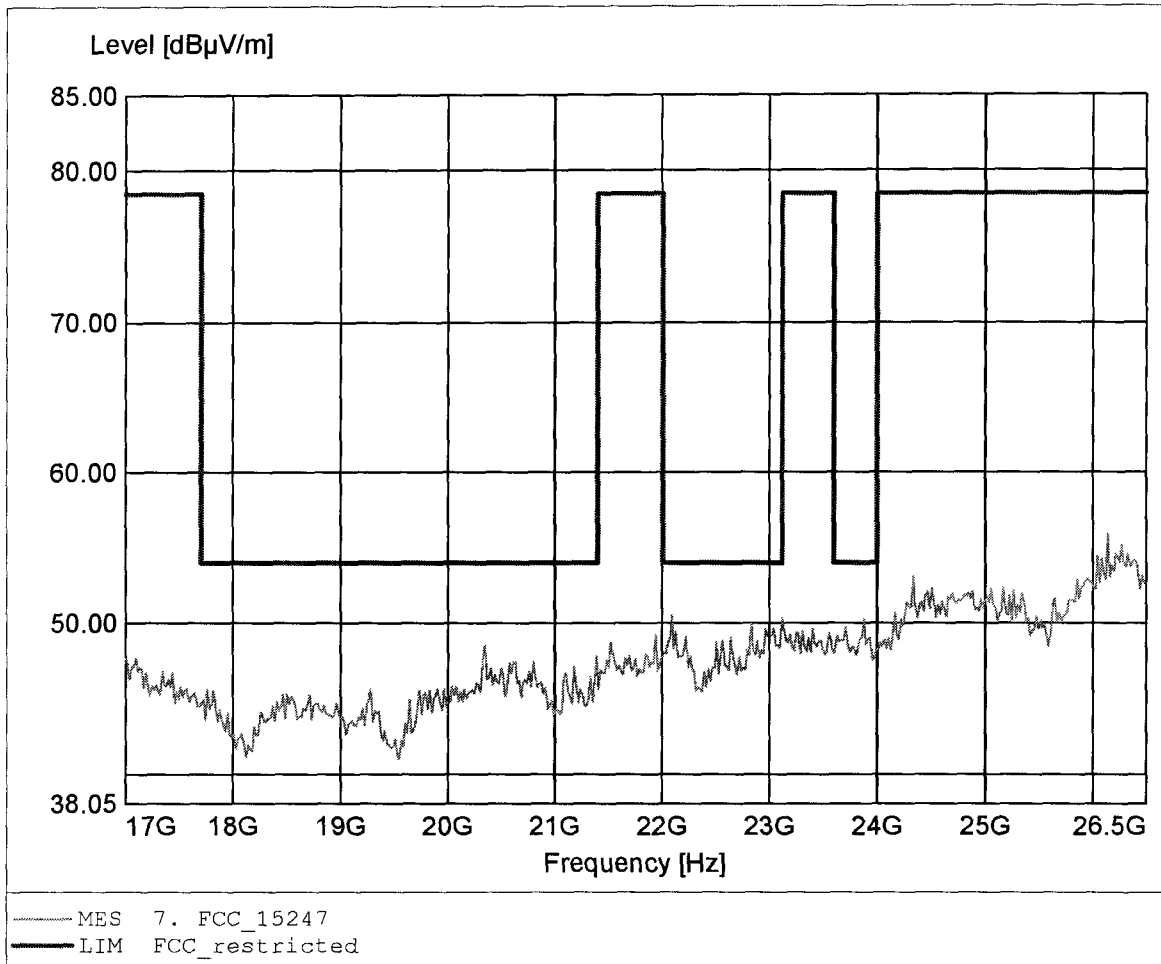
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.840GHz, Emax: 48.01dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

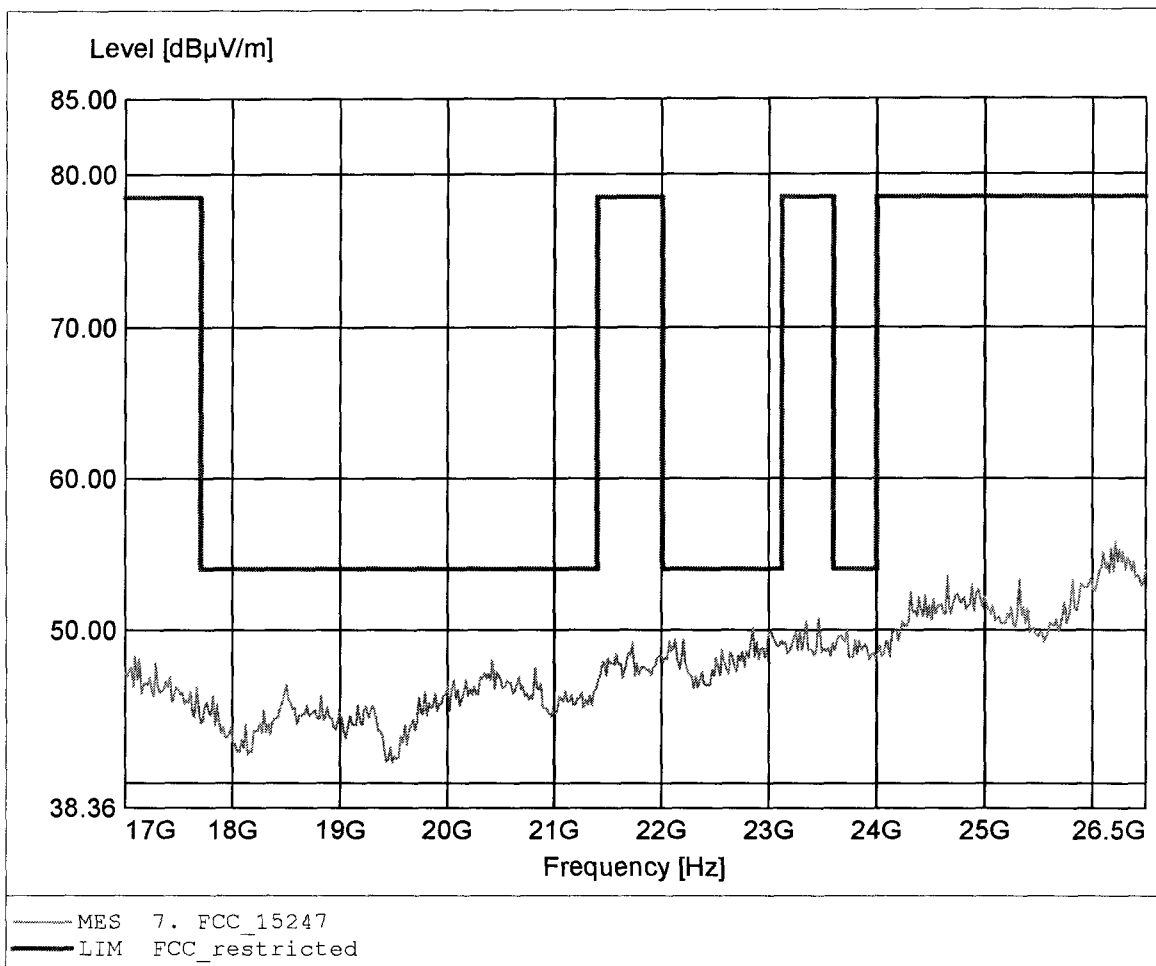
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.139GHz, Emax: 55.89dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

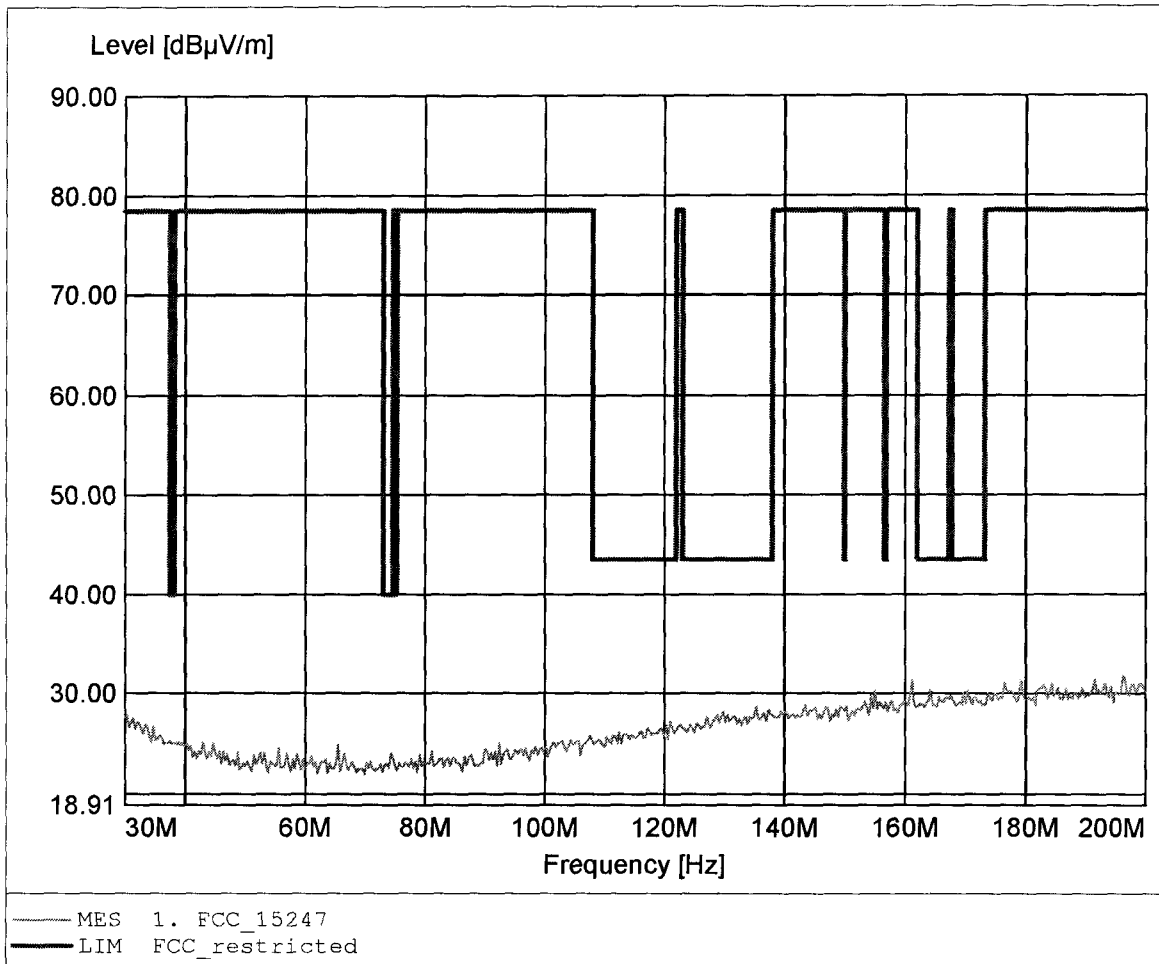
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2402 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.215GHz, Emax: 55.91dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

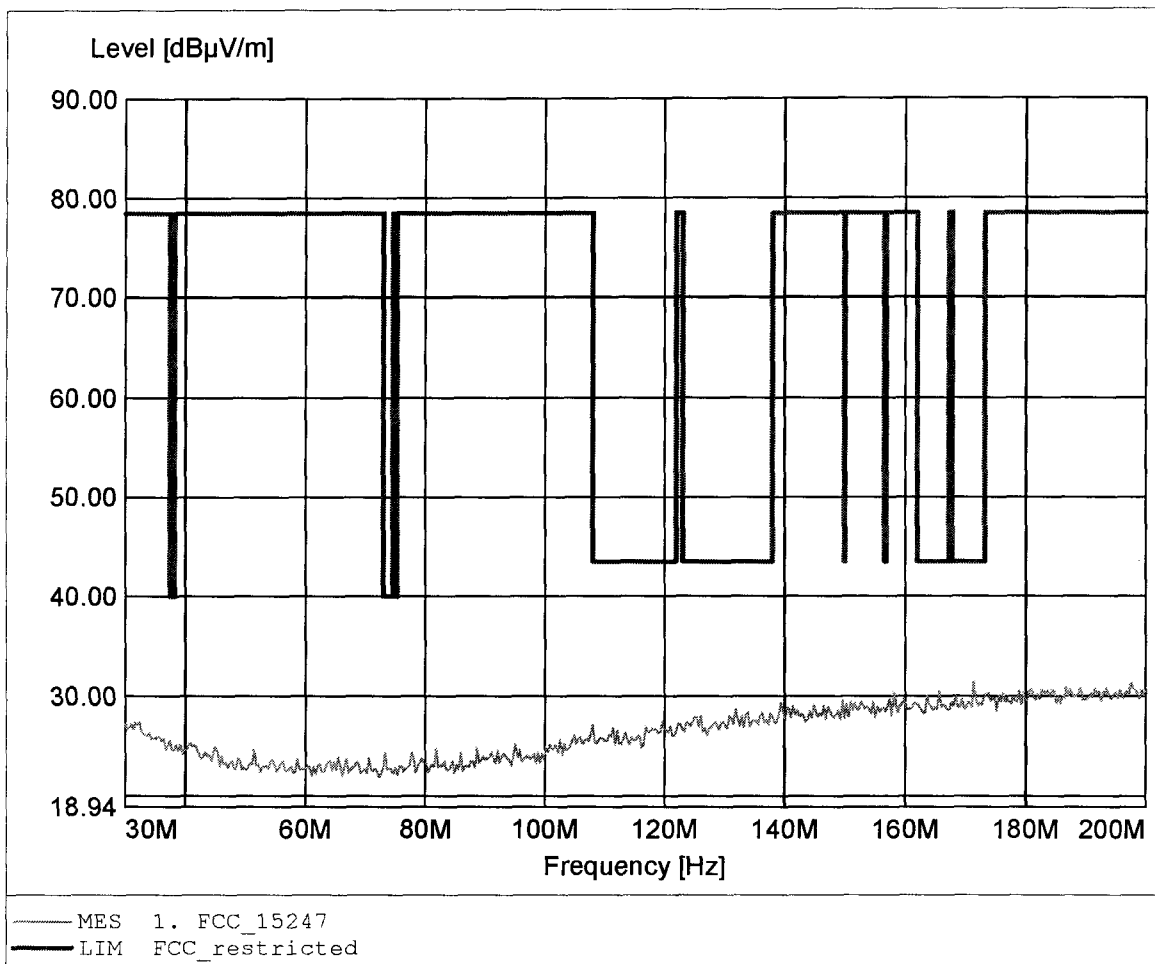
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 196.253MHz, Emax: 31.82dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

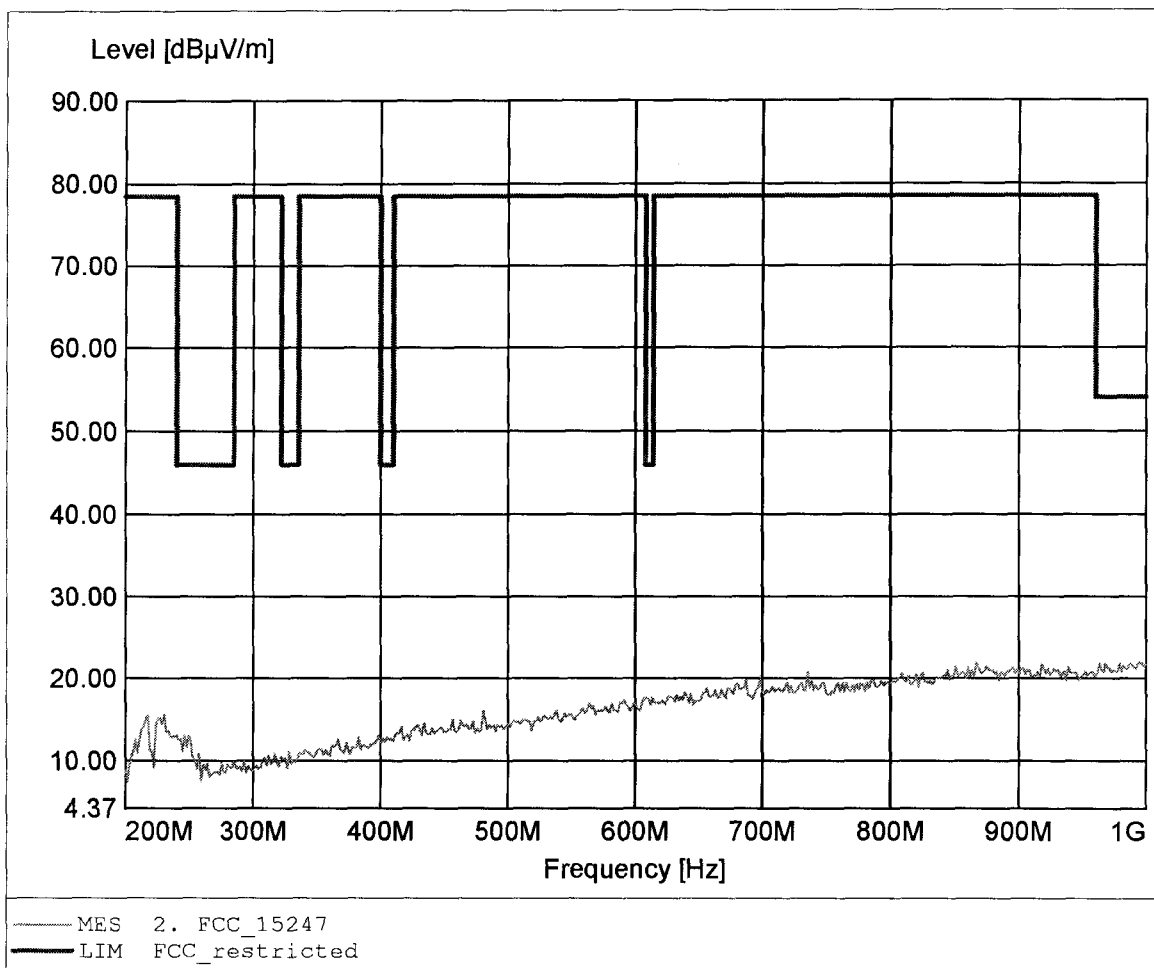
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 171.383MHz, Emax: 31.47dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

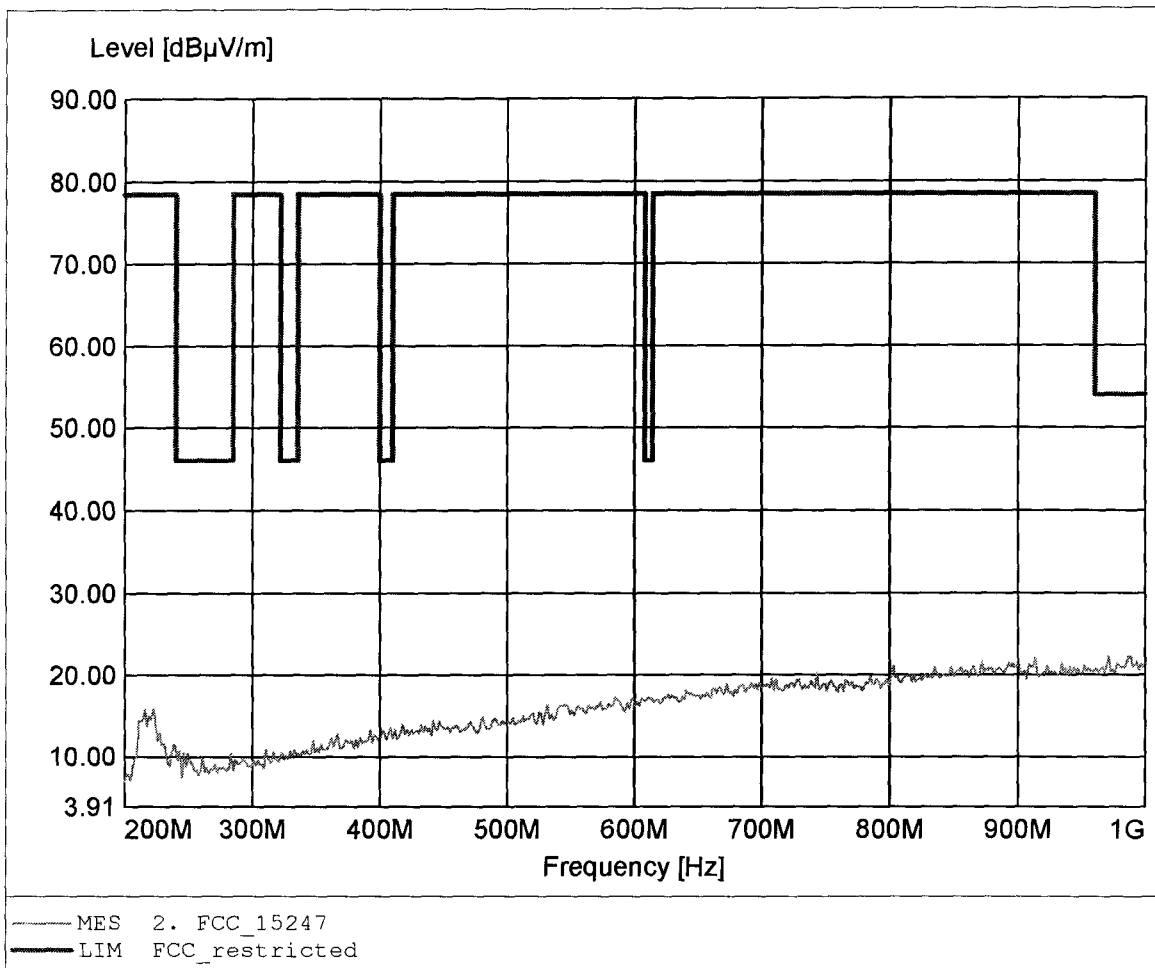
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 995.190MHz, Emax: 21.94dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

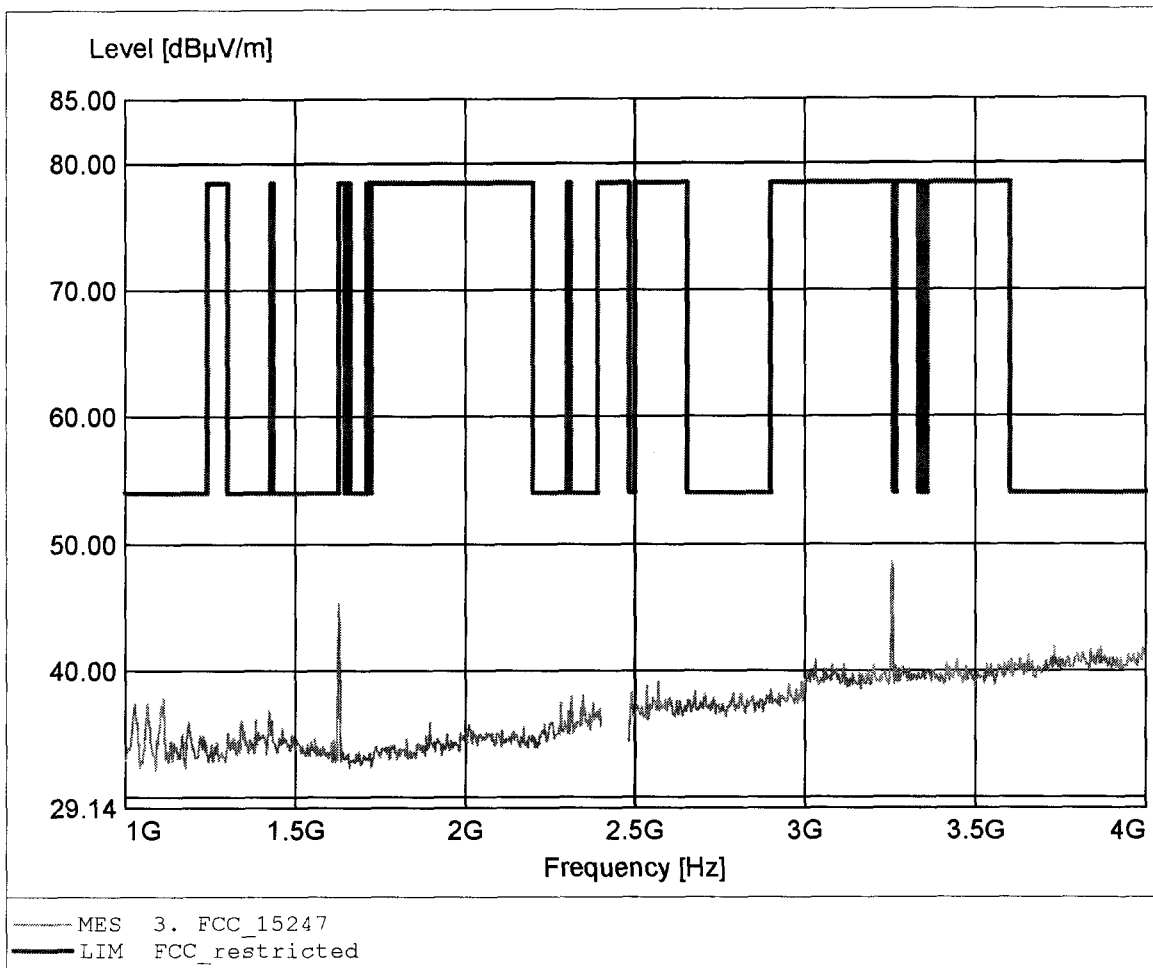
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 987.174MHz, Emax: 22.24dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

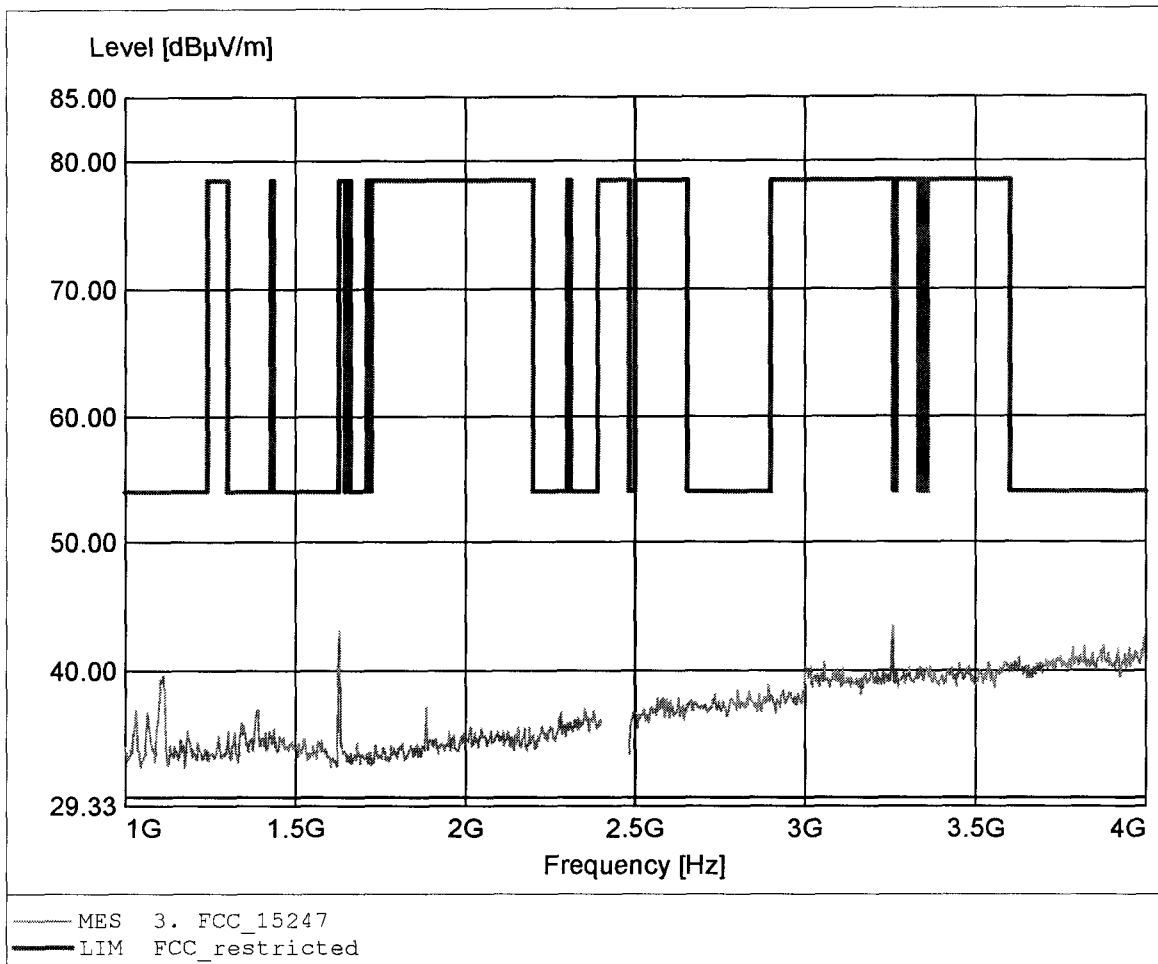
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.254GHz, Emax: 48.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

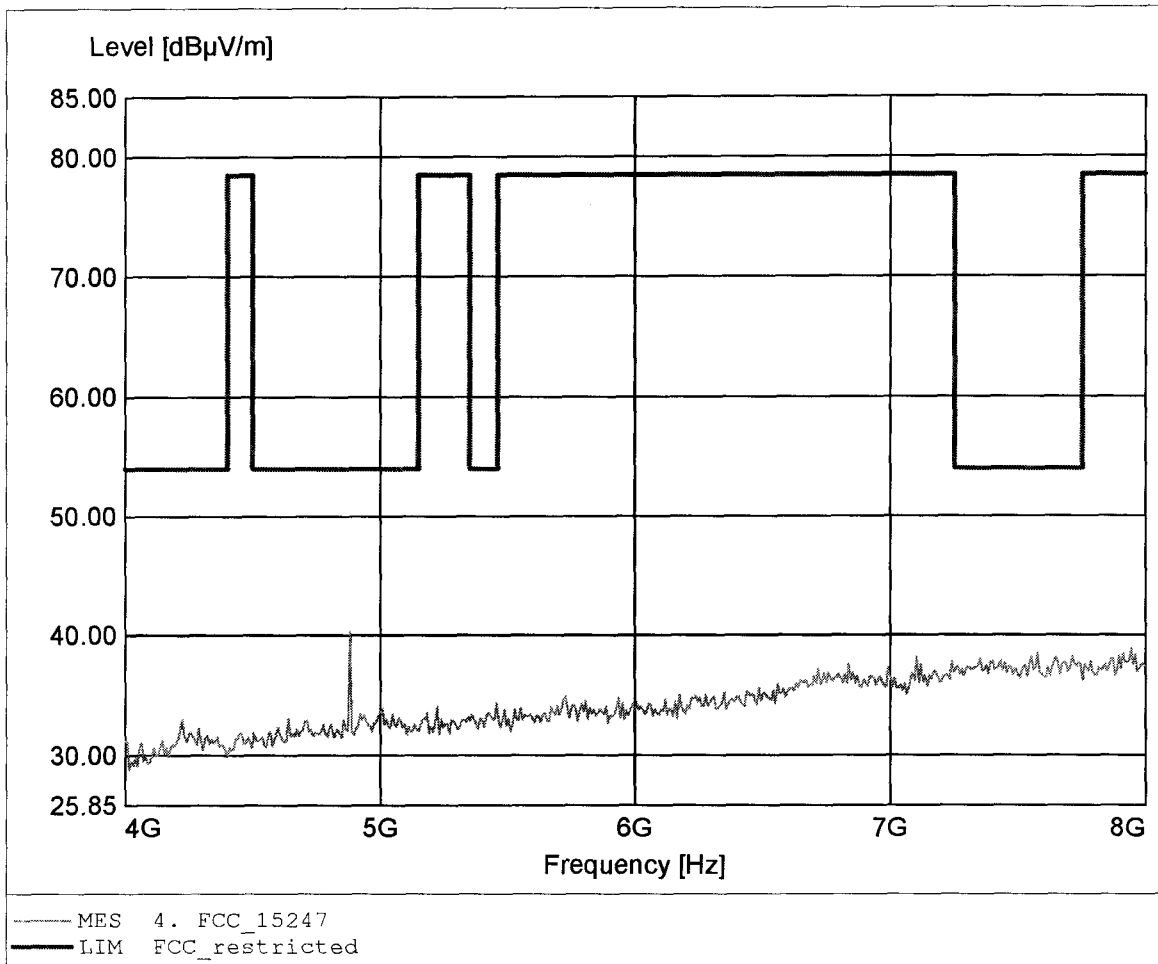
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.257GHz, Emax: 43.50dBuV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

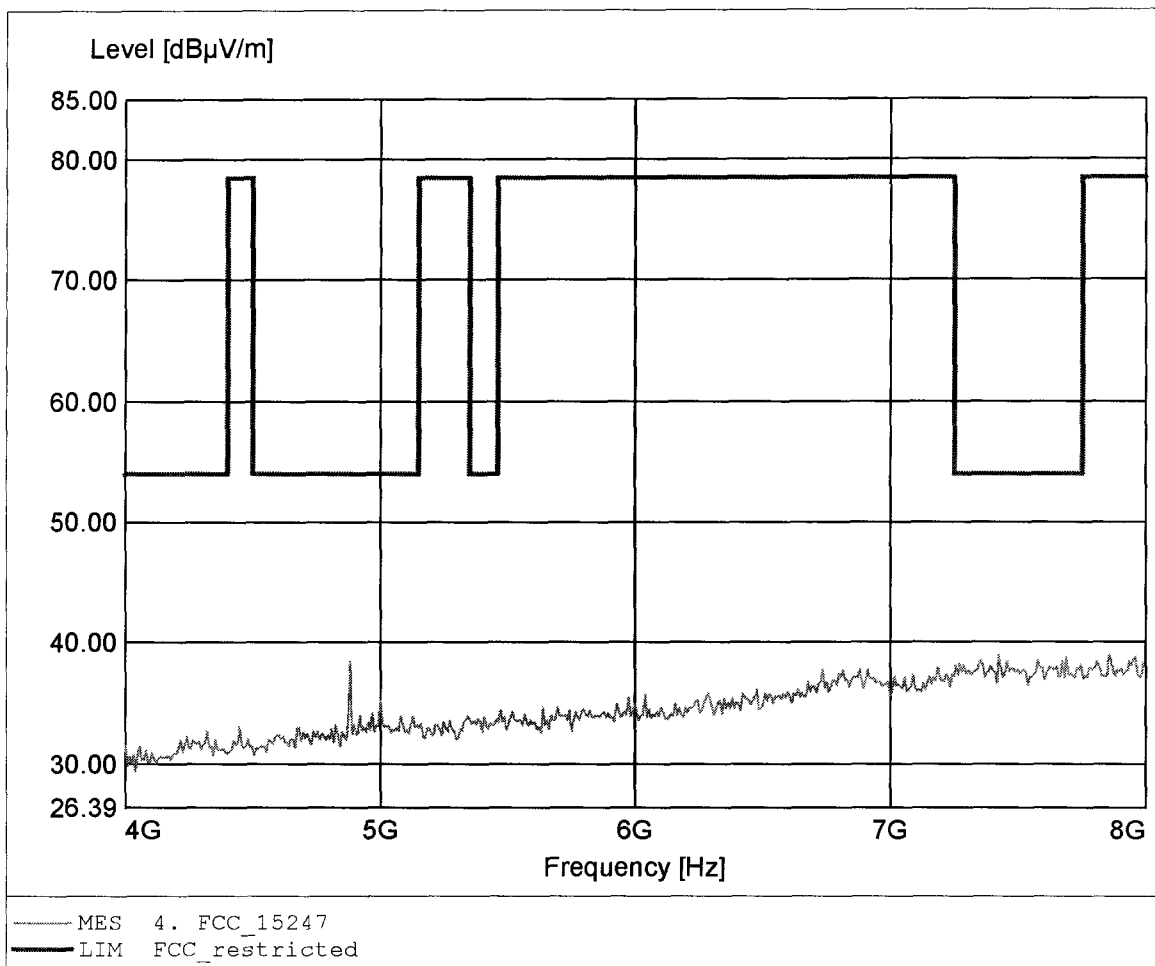
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.880GHz, Emax: 40.28dBµV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

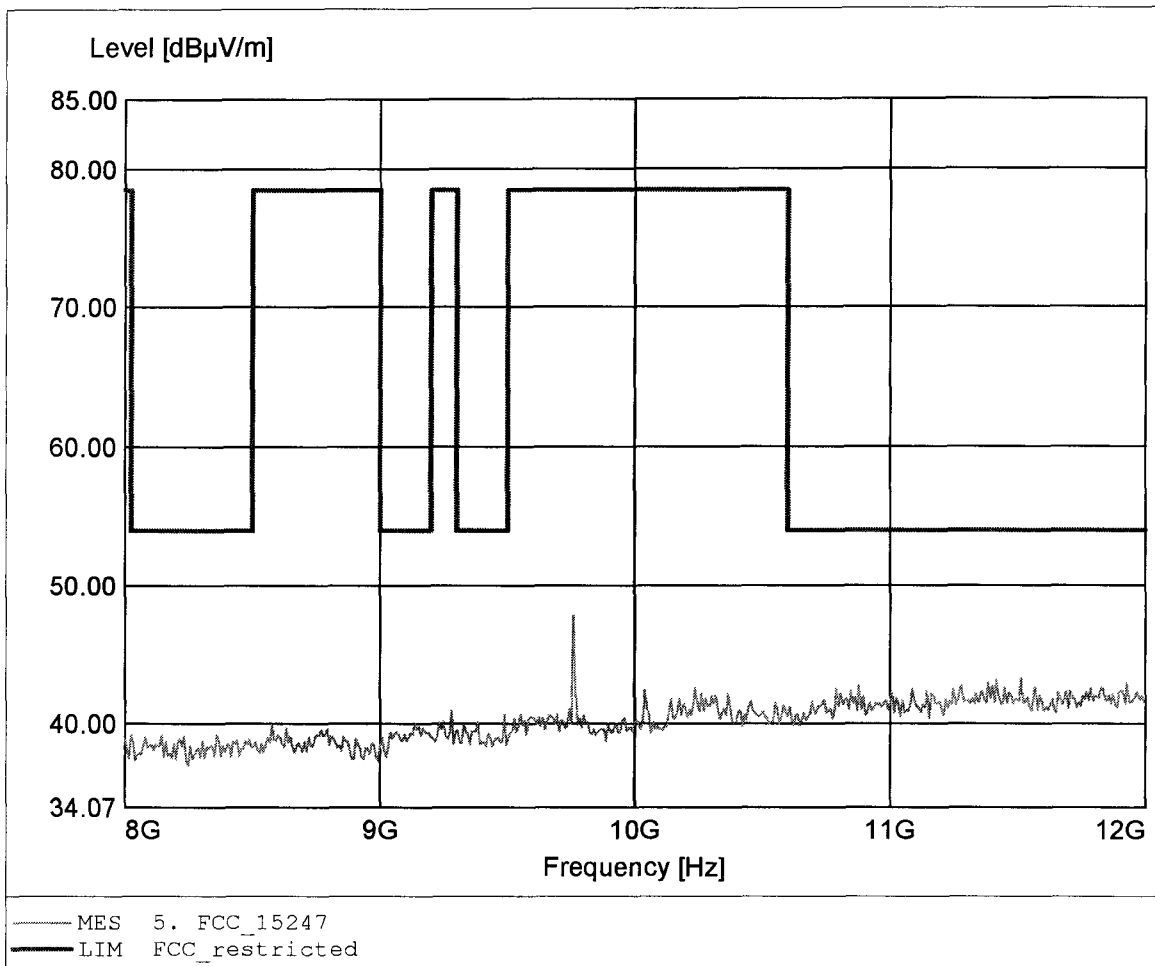
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.856GHz, Emax: 38.92dBuV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

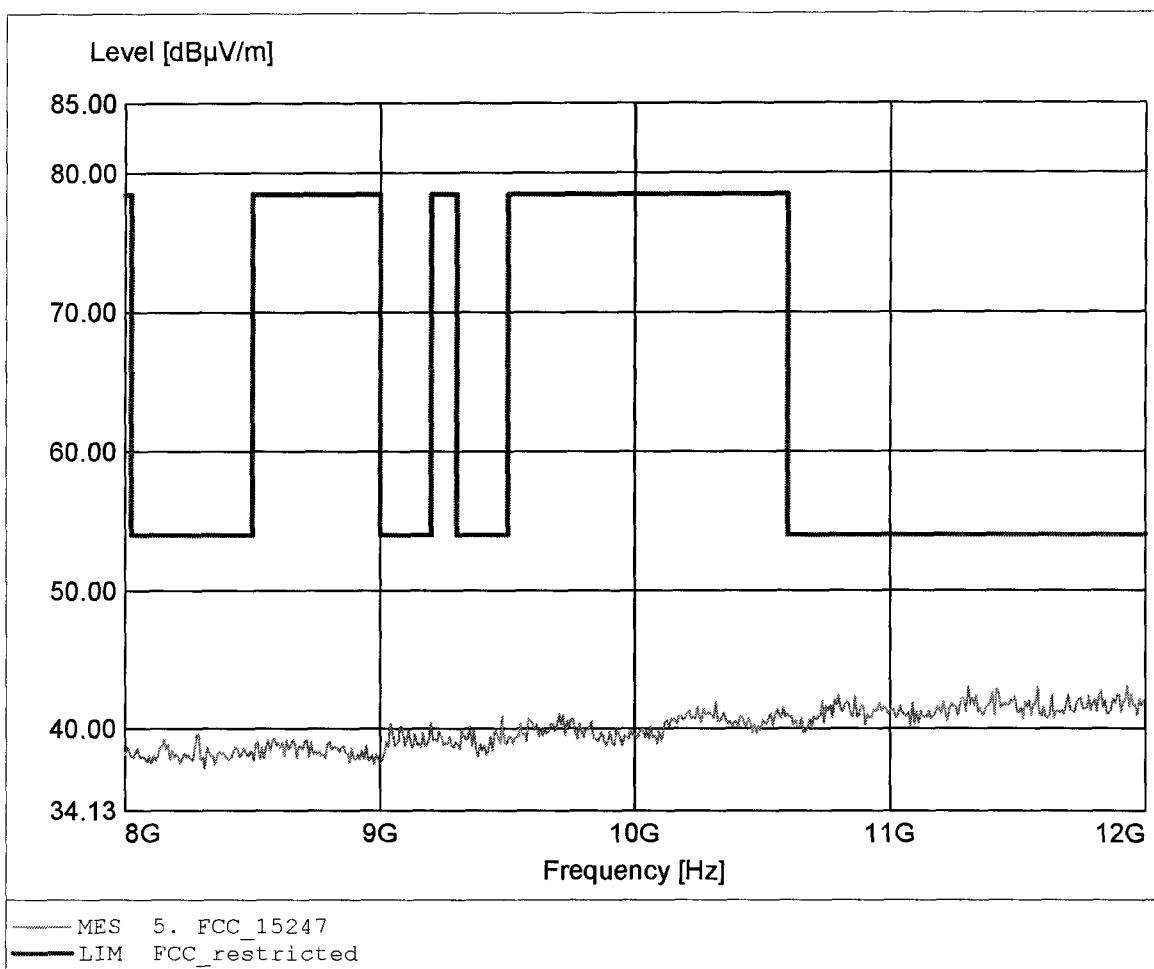
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.760GHz, Emax: 47.83dBµV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

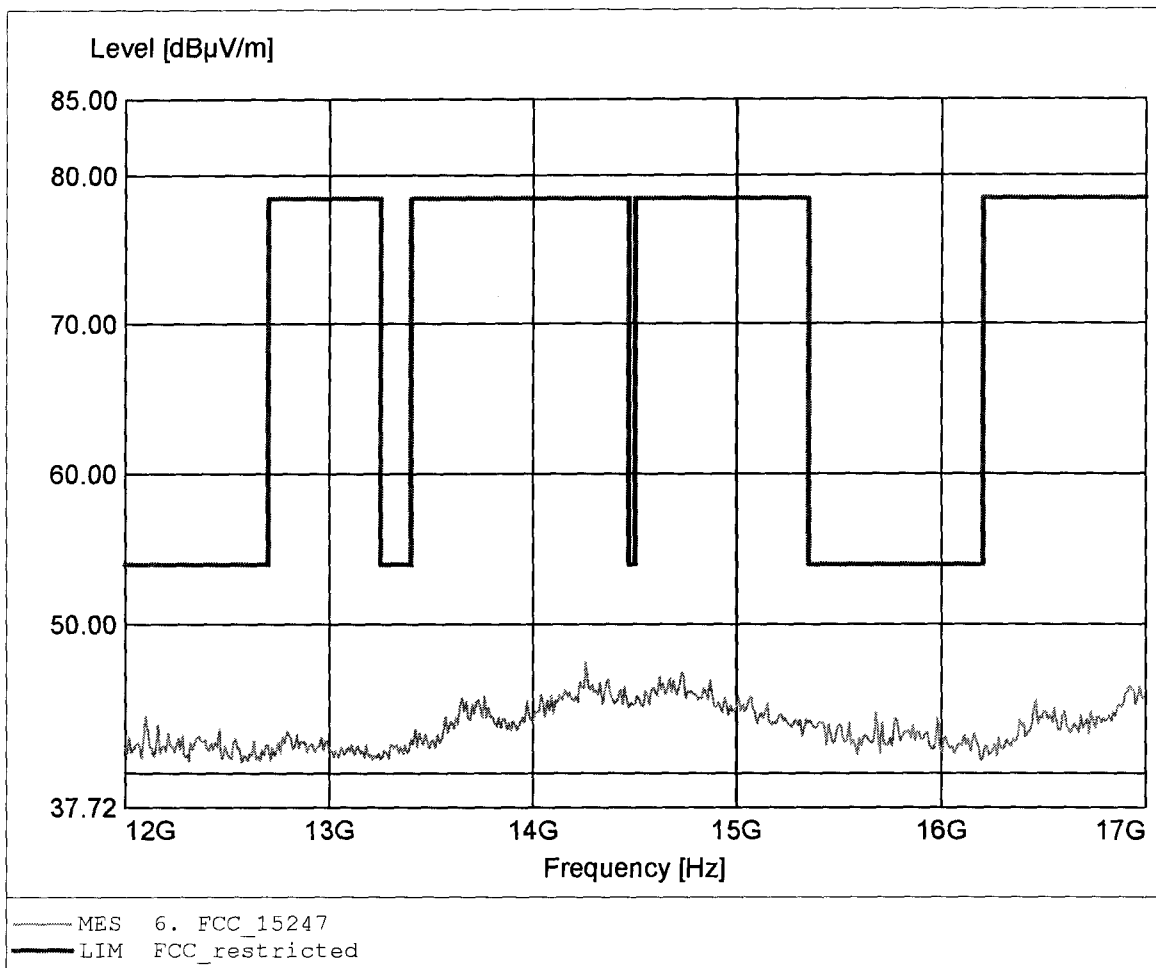
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.928GHz, Emax: 43.08dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

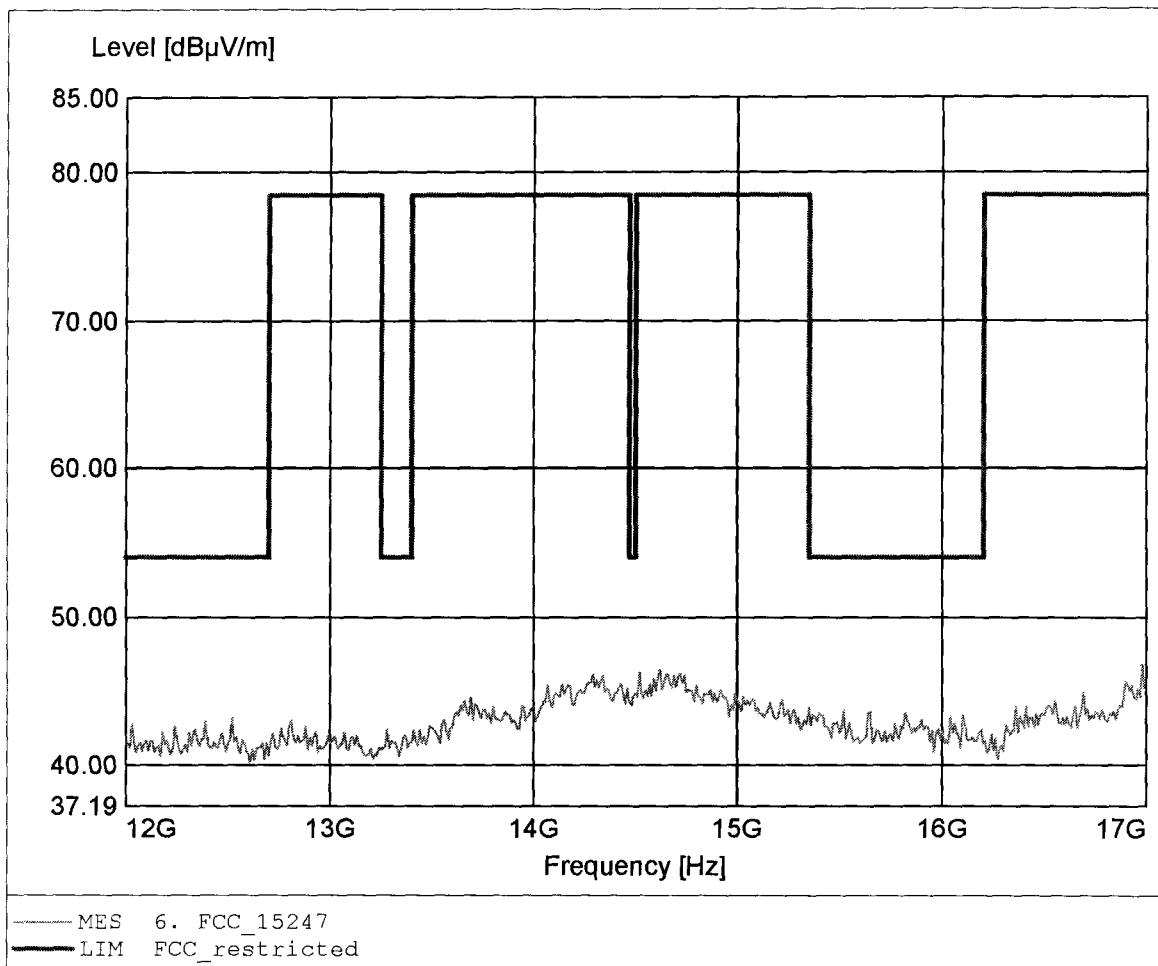
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.260GHz, Emax: 47.42dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

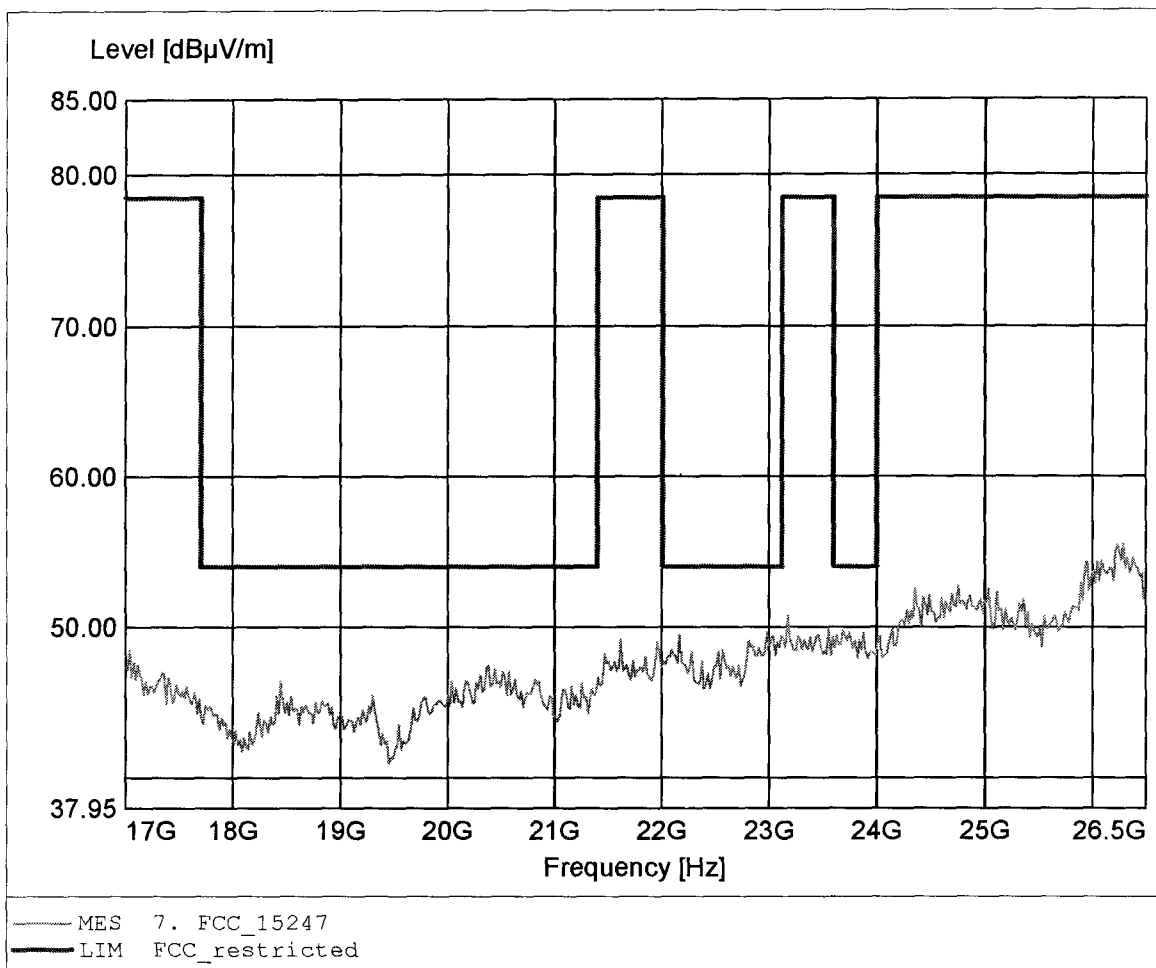
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 16.980GHz, Emax: 46.83dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

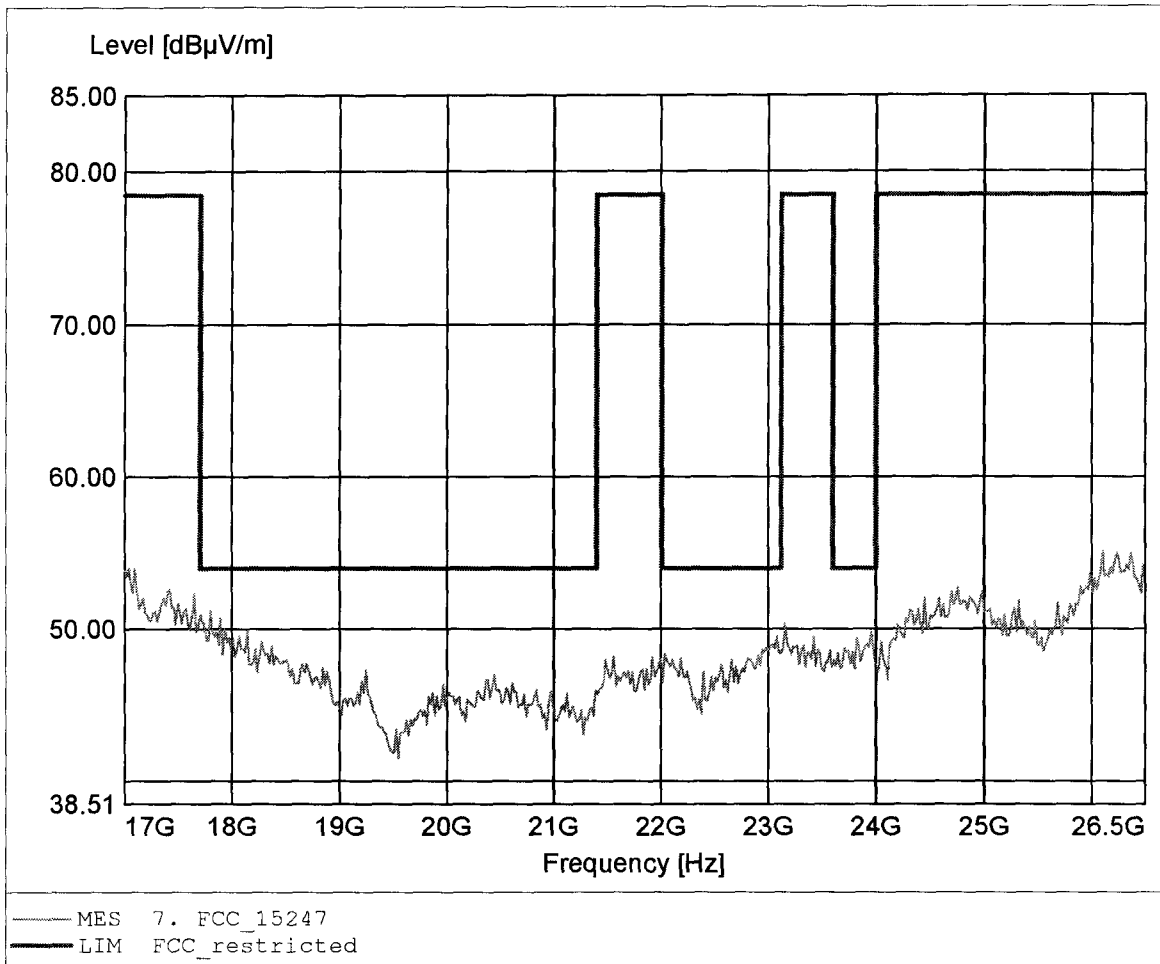
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.291GHz, Emax: 55.53dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

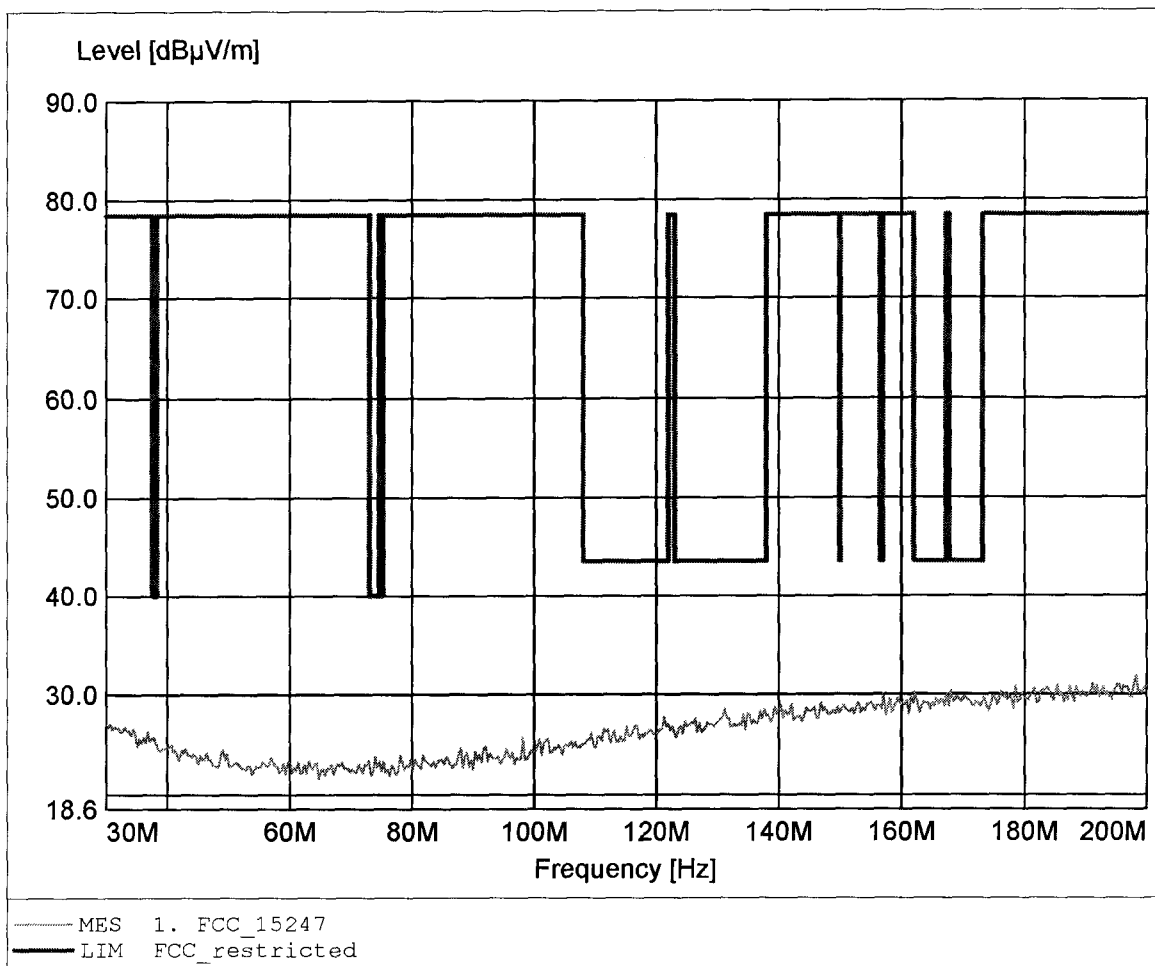
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2441 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.101GHz, Emax: 55.09dBµV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

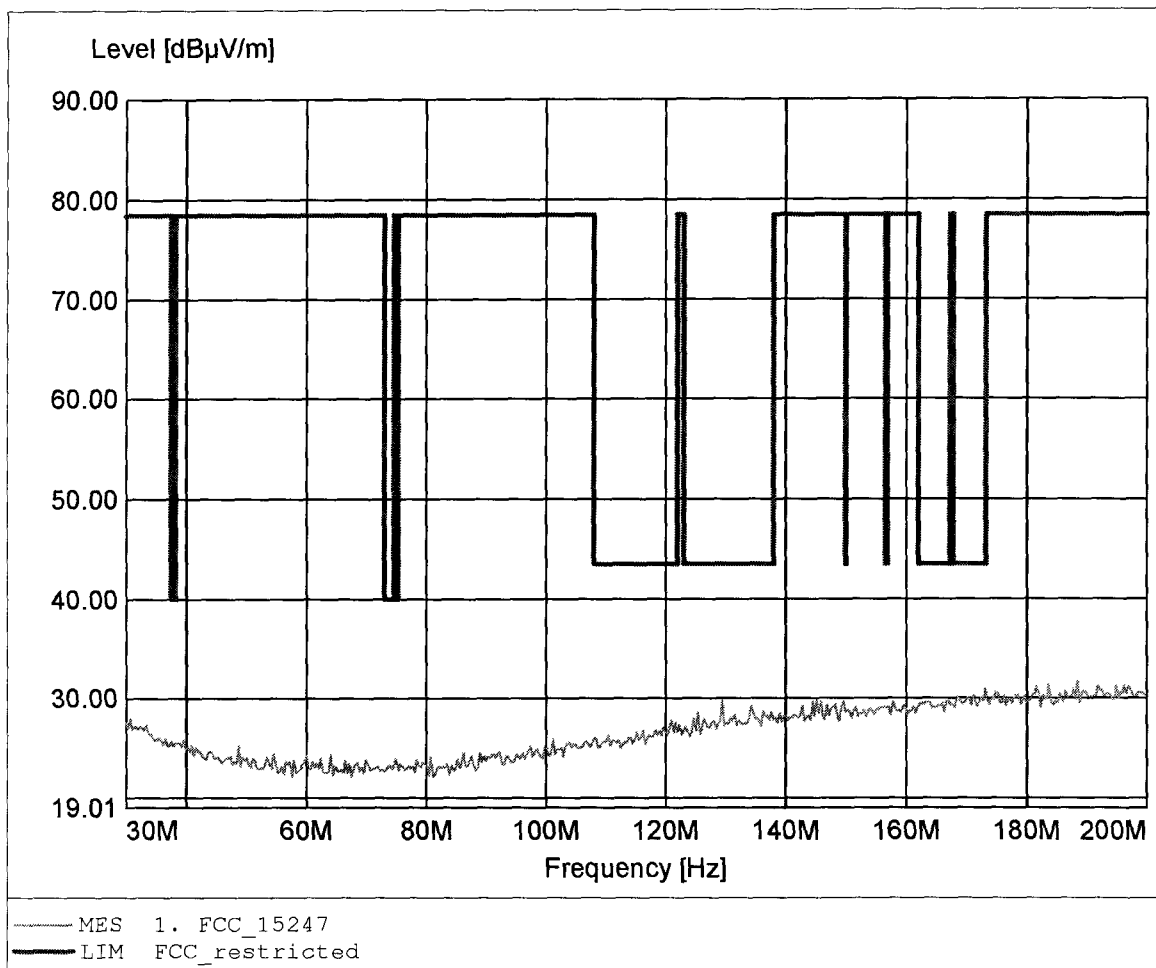
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.297MHz, Emax: 31.90dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

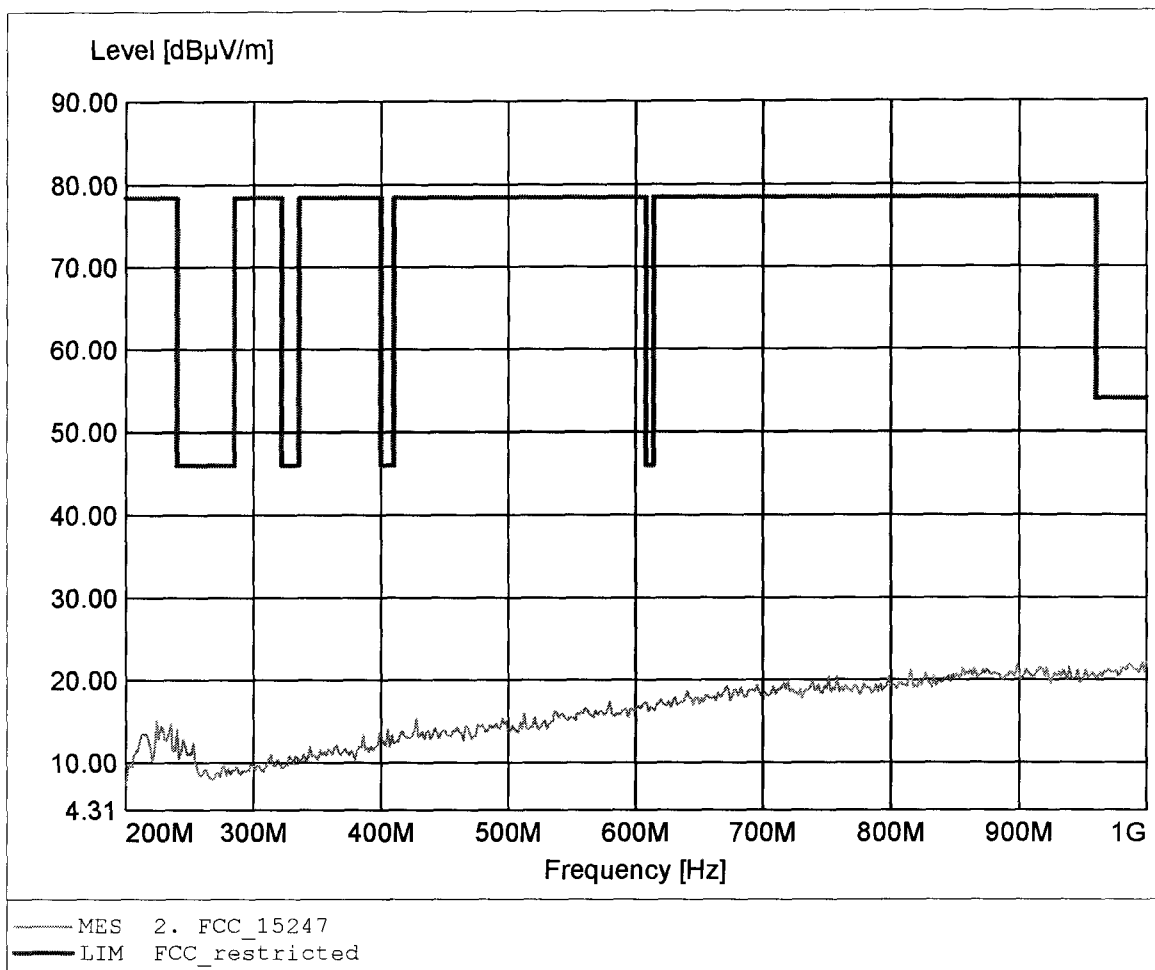
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 188.417MHz, Emax: 31.72dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

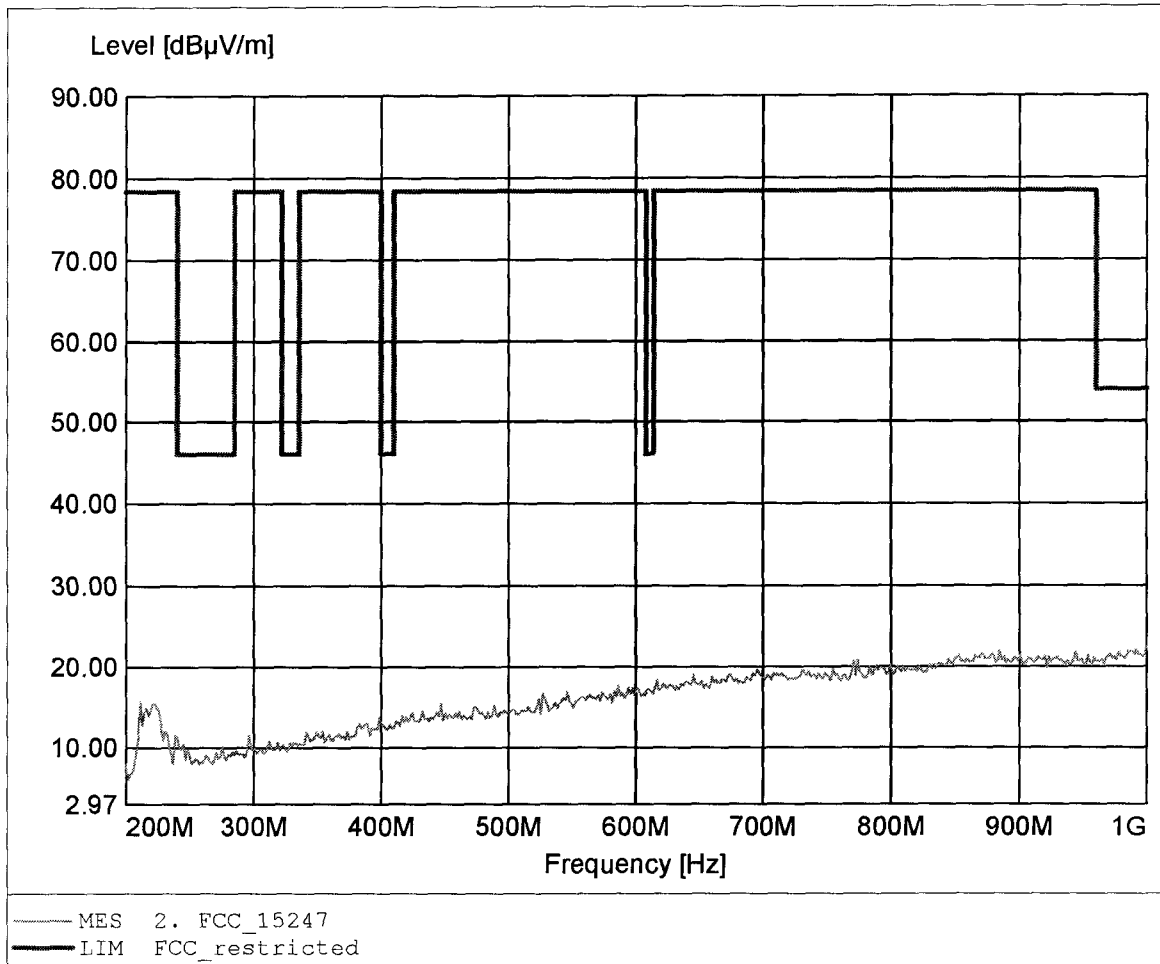
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 1.000GHz, Emax: 22.18dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

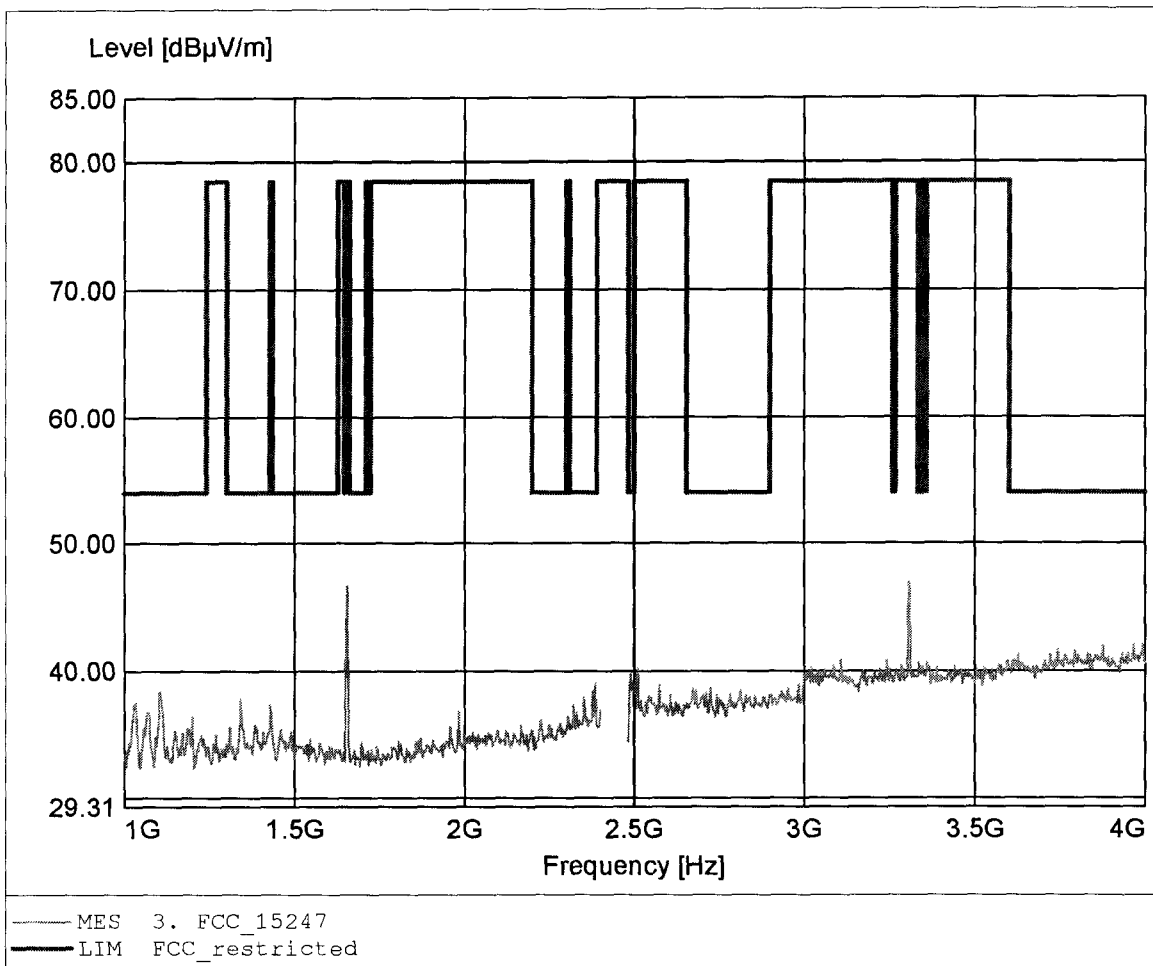
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD.
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Hoppe
Test Condition: 25°C / Unom.: 2.8 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 1.000GHz, Emax: 22.38dBµV/m, REW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

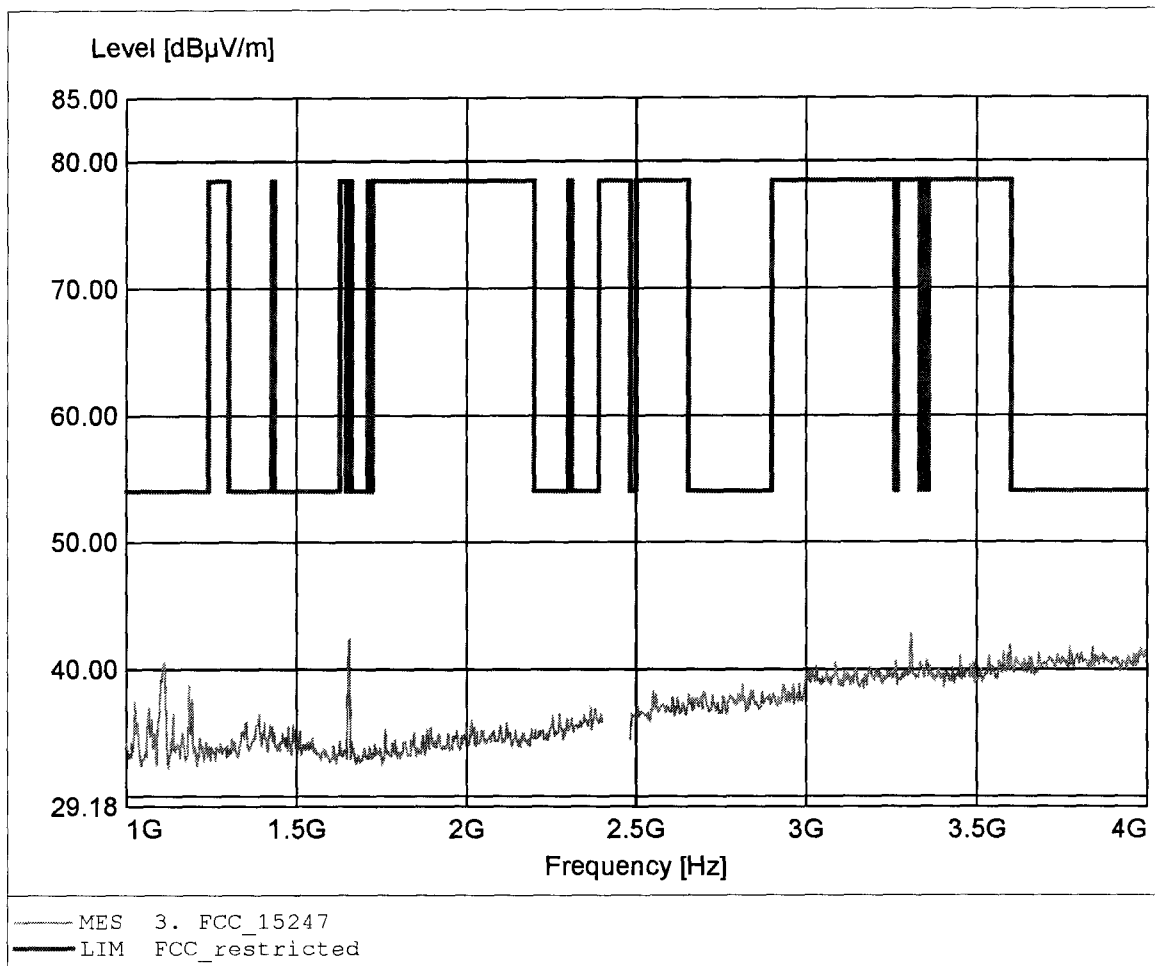
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.305GHz, Emax: 46.98dBµV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

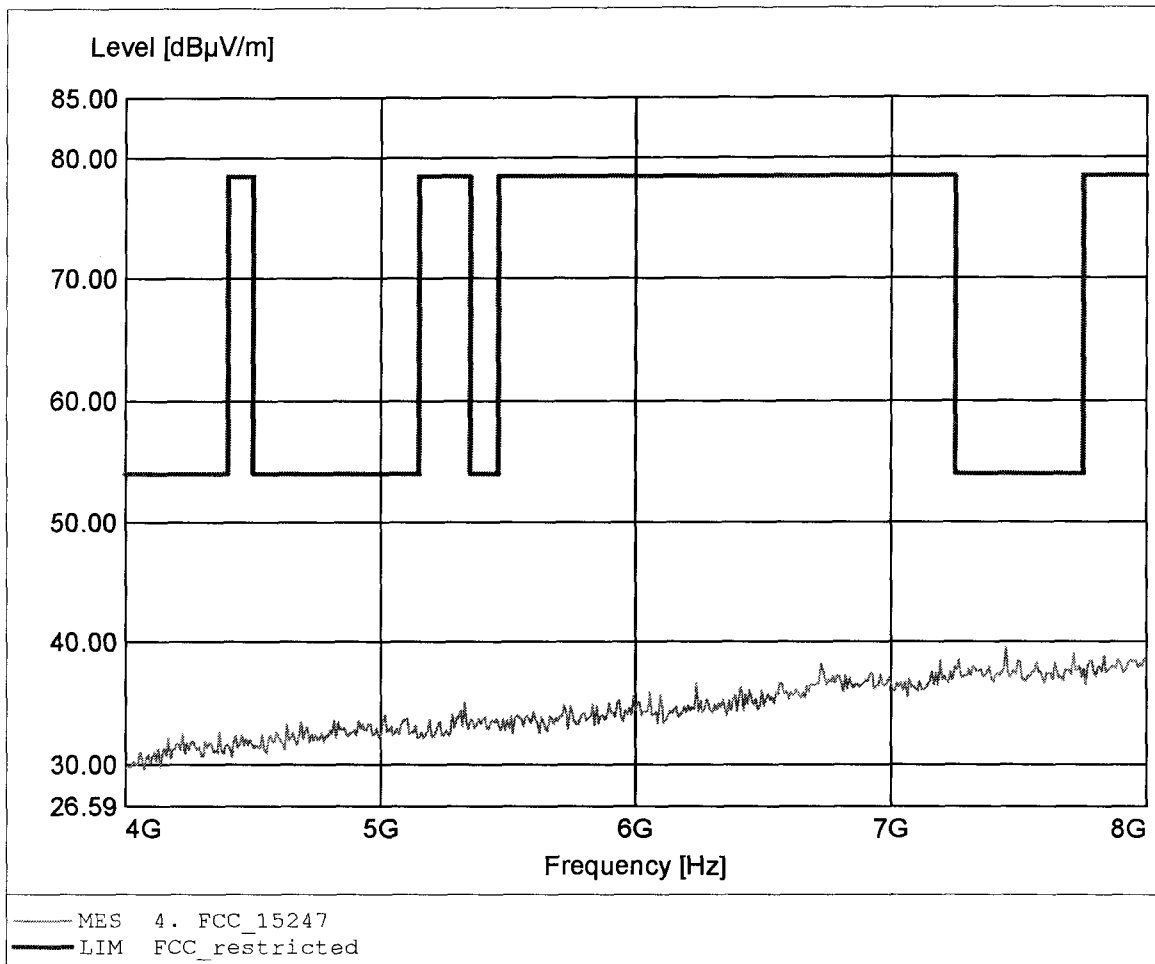
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.305GHz, Emax: 42.83dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

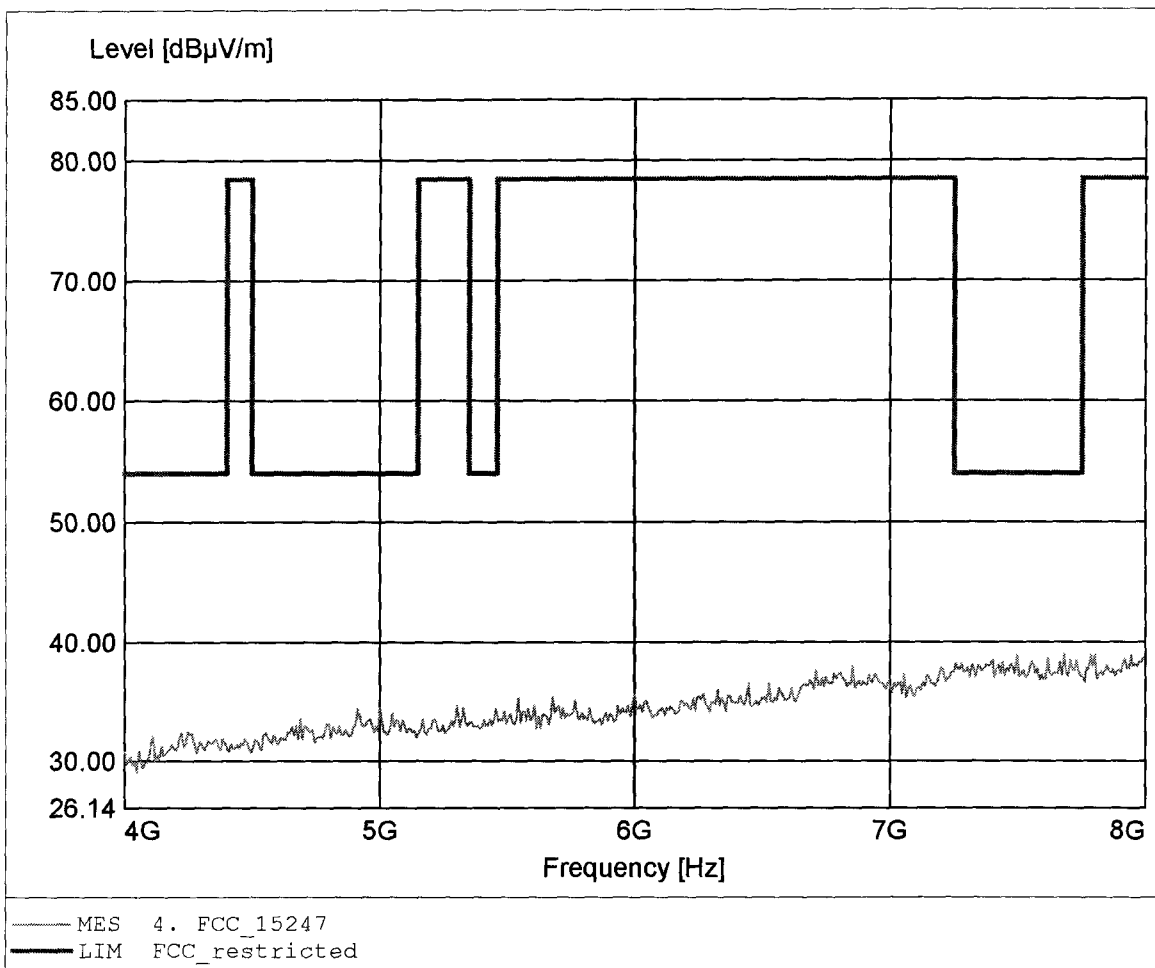
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.448GHz, Emax: 39.49dBuV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

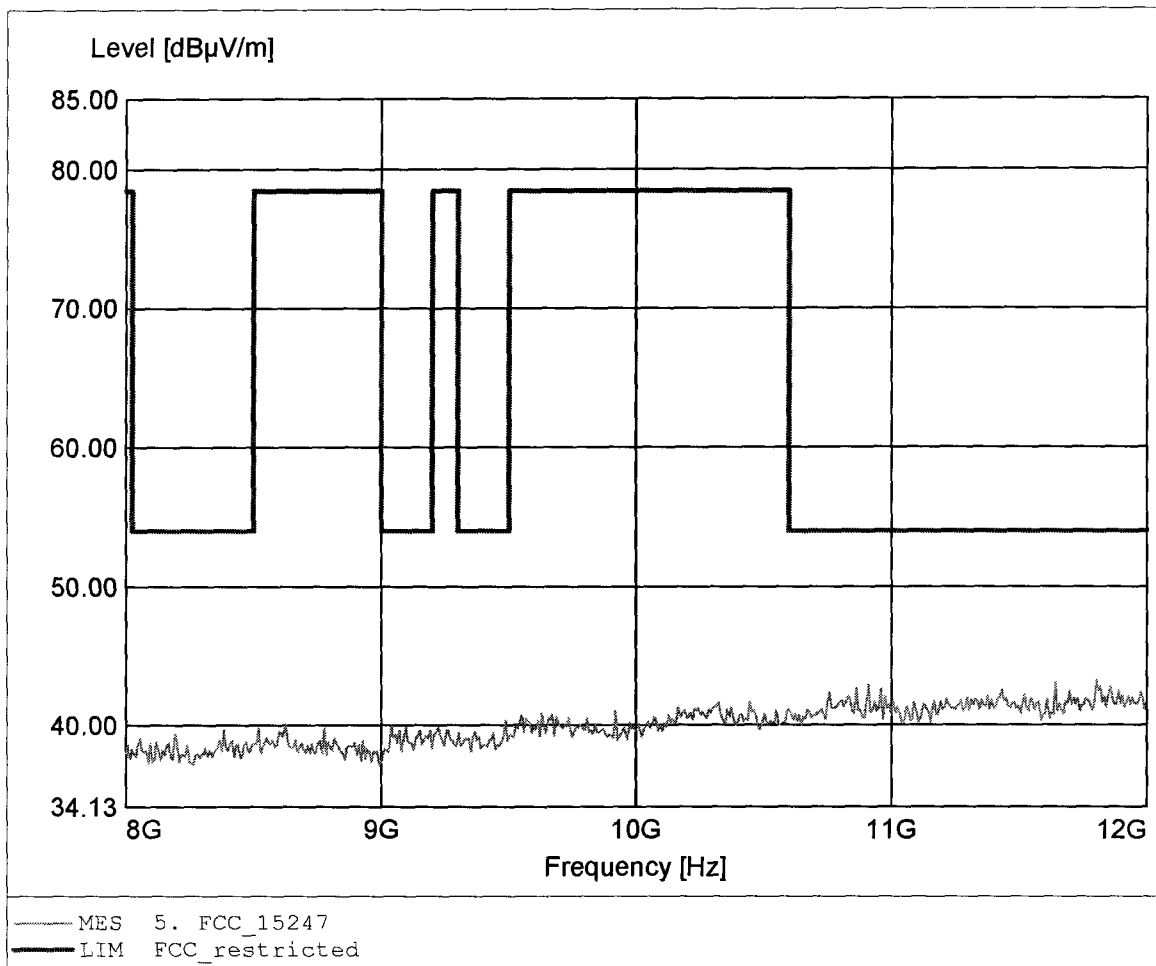
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.680GHz, Emax: 38.96dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

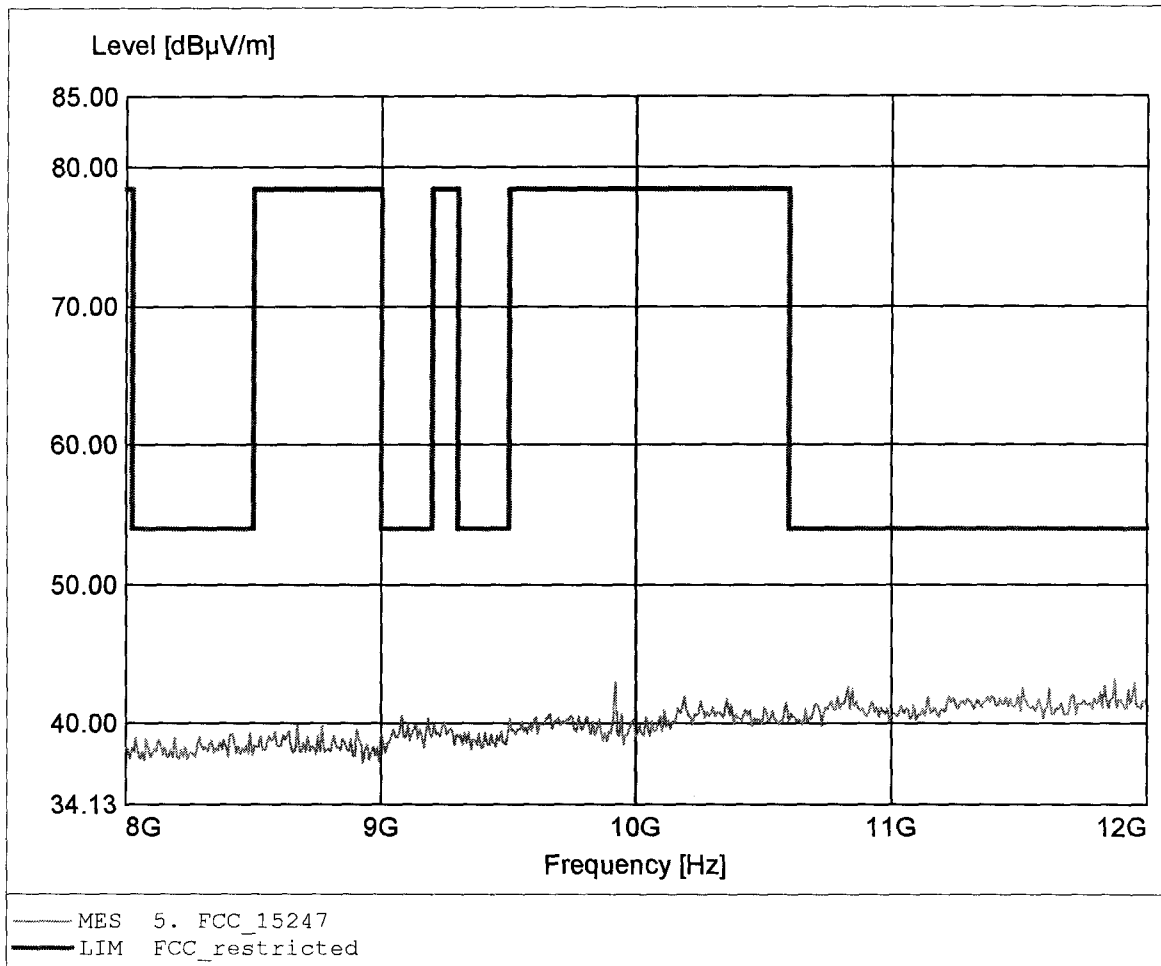
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.800GHz, Emax: 43.24dBµV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

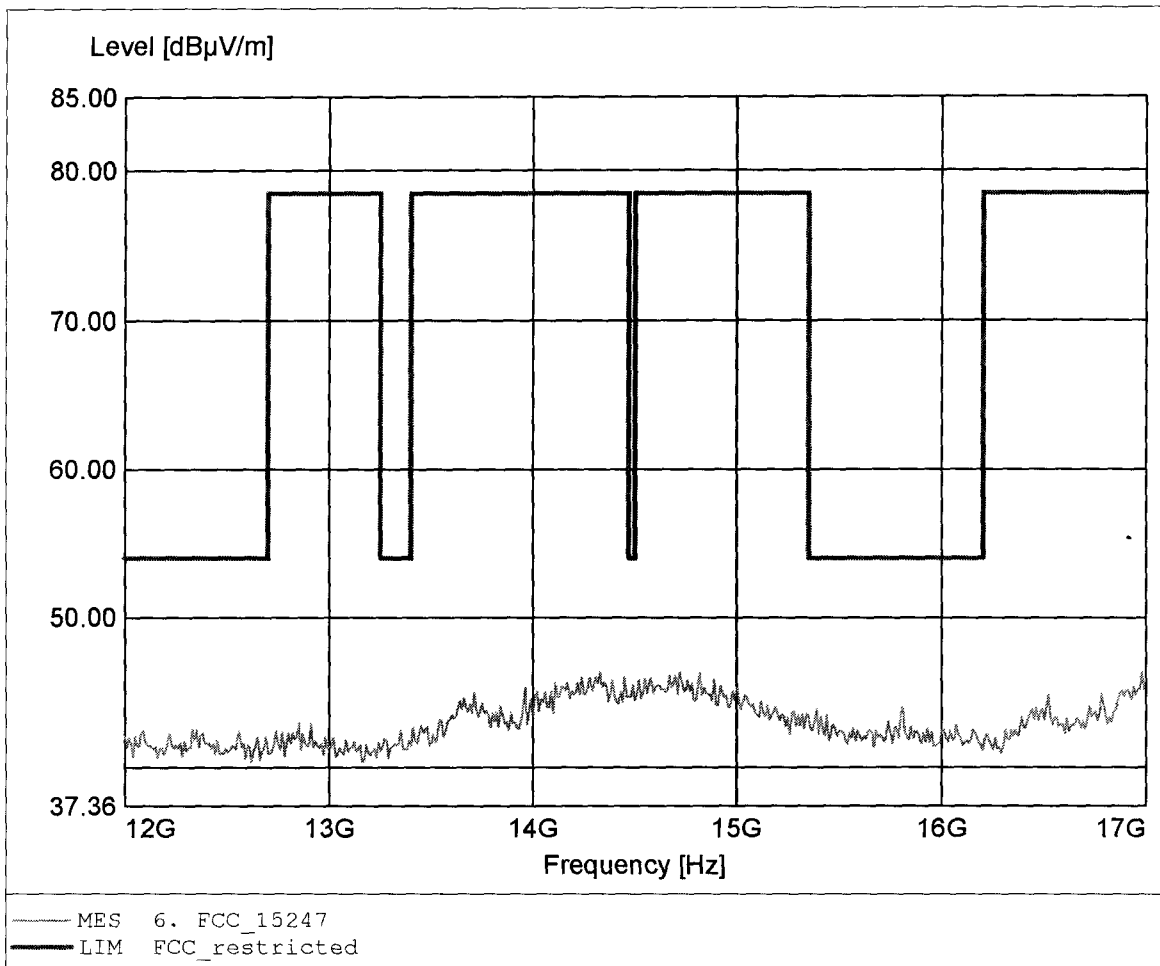
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.872GHz, Emax: 43.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

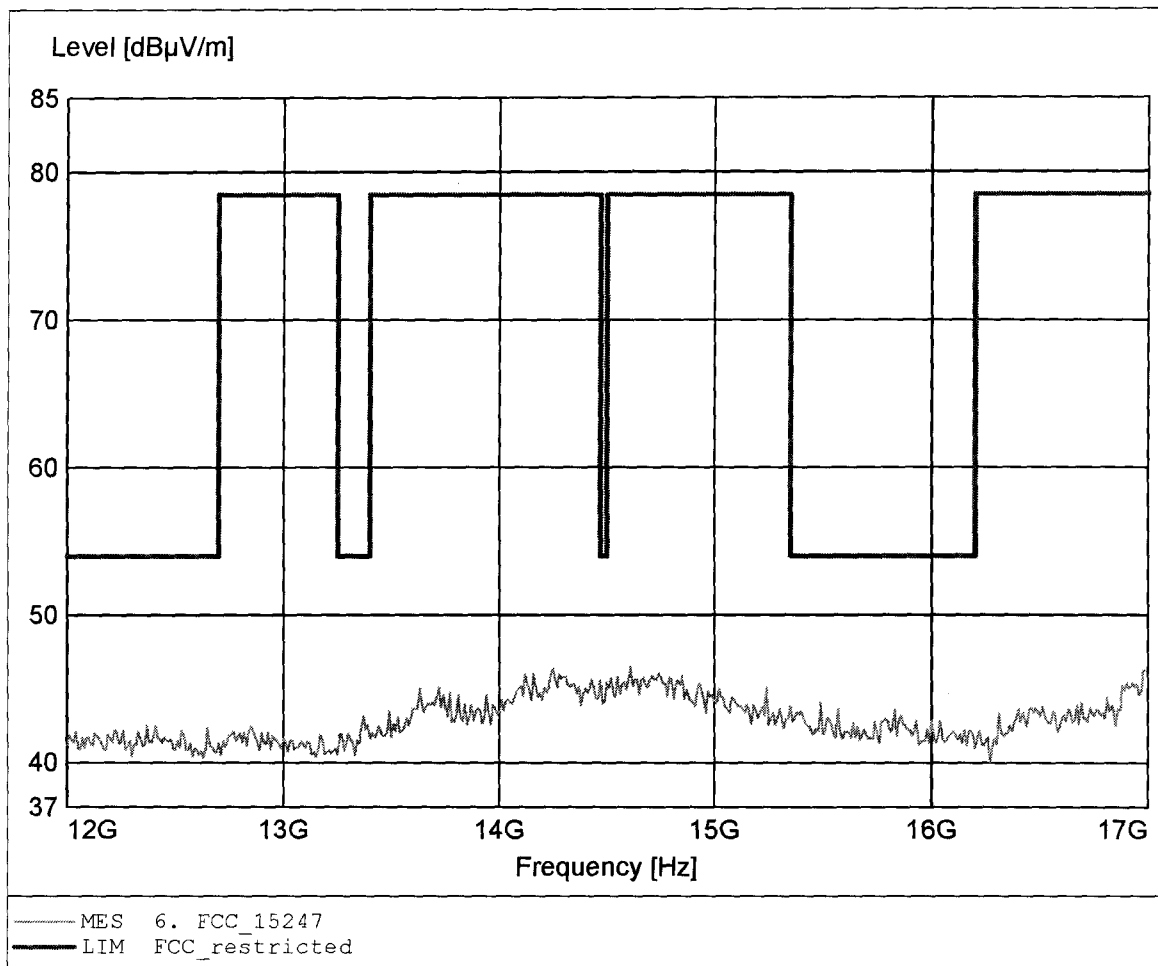
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 16.980GHz, Emax: 46.35dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

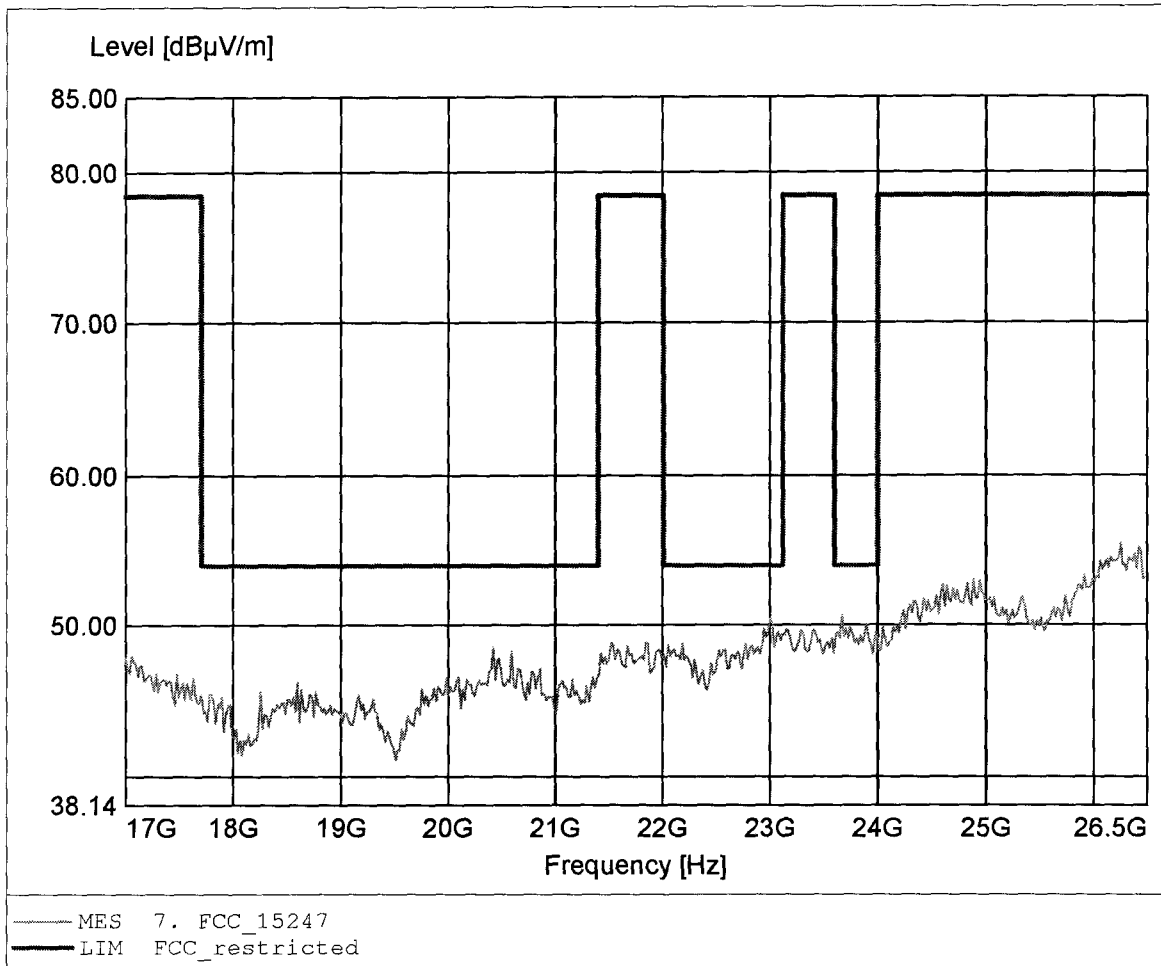
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.610GHz, Emax: 46.47dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

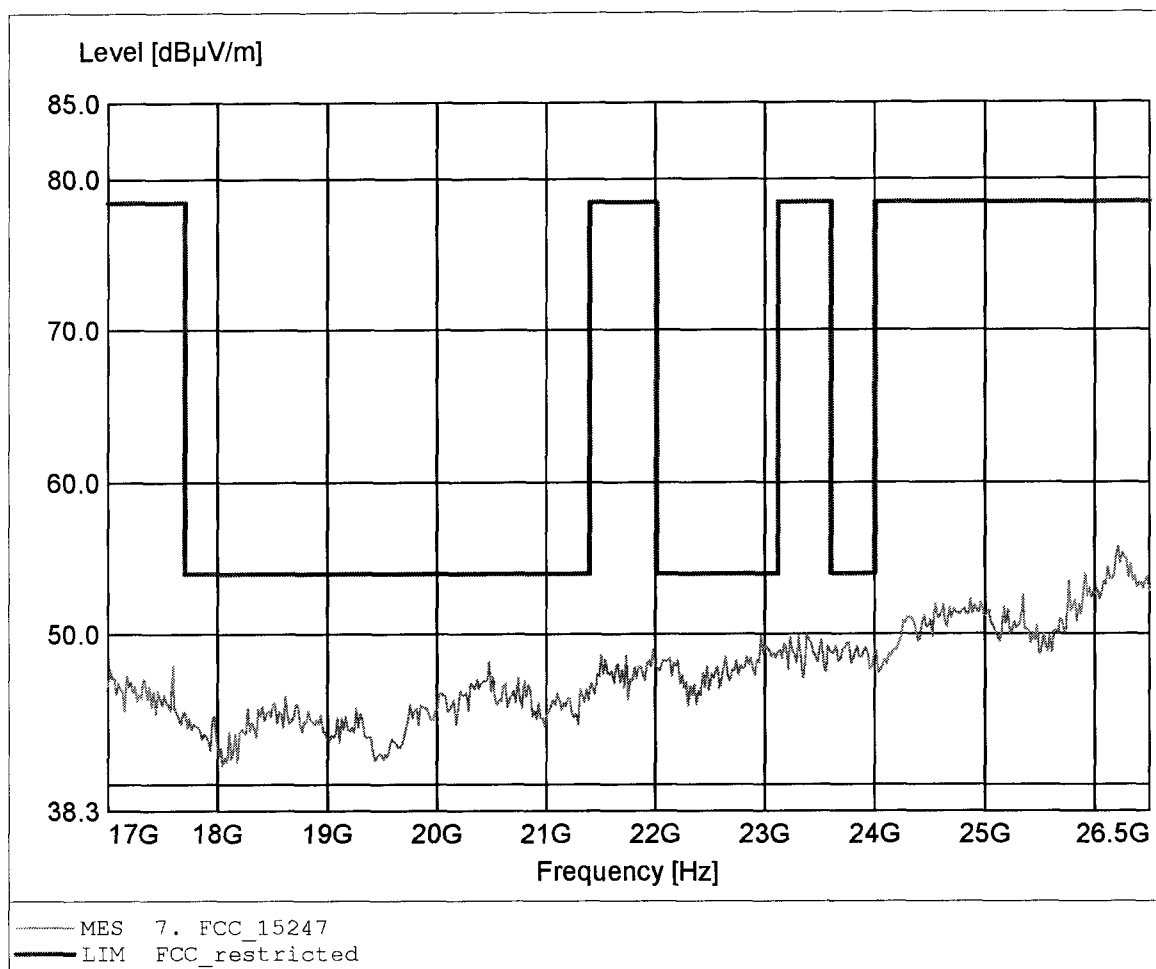
Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.253GHz, Emax: 55.49dBuV/m, REW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: SAMSUNG ELECTRO-MECHANICS CO., LTD
EUT: SEMCO Bluetooth Module
Model: BTEP45C2GA / 2480 MHz
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom: 2.8 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.215GHz, Emax: 55.78dBµV/m, RBW: 1MHz

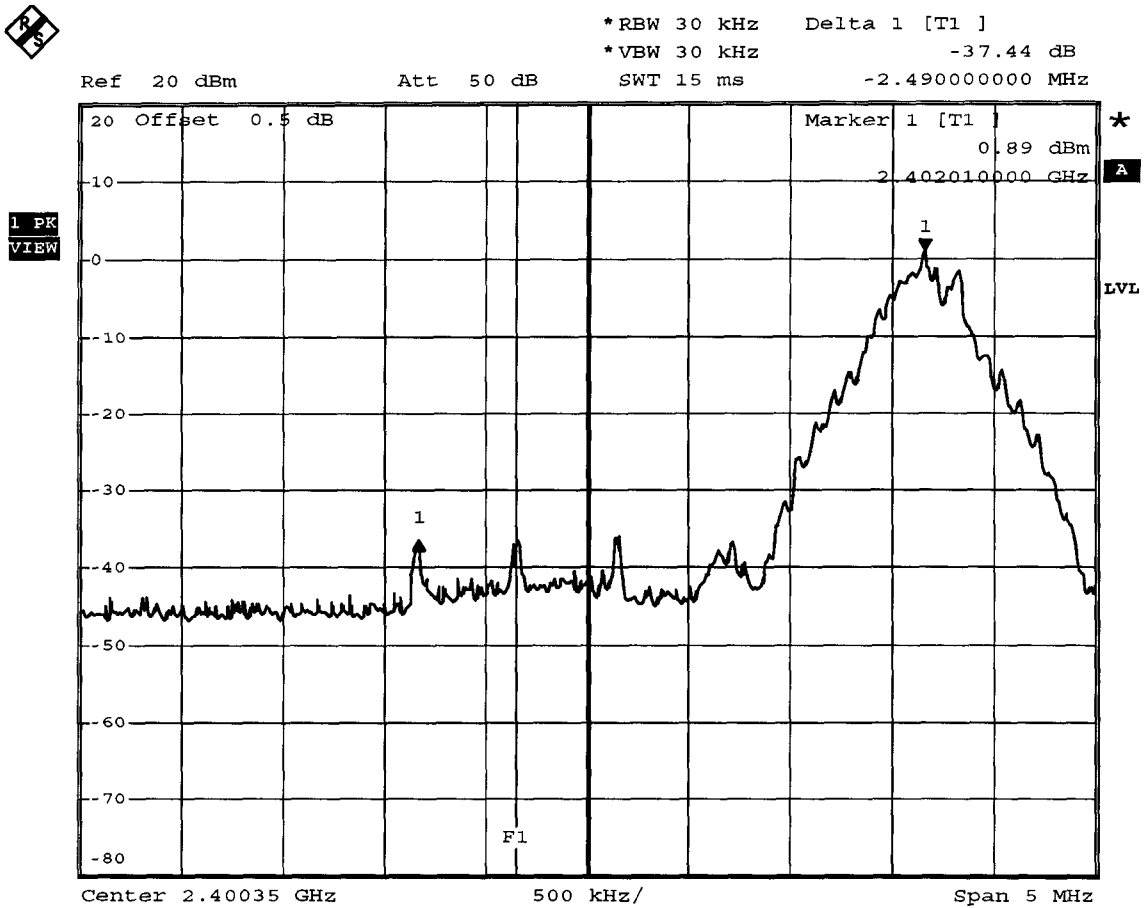


Appendix J

Band-edge compliance

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Single frequency mode

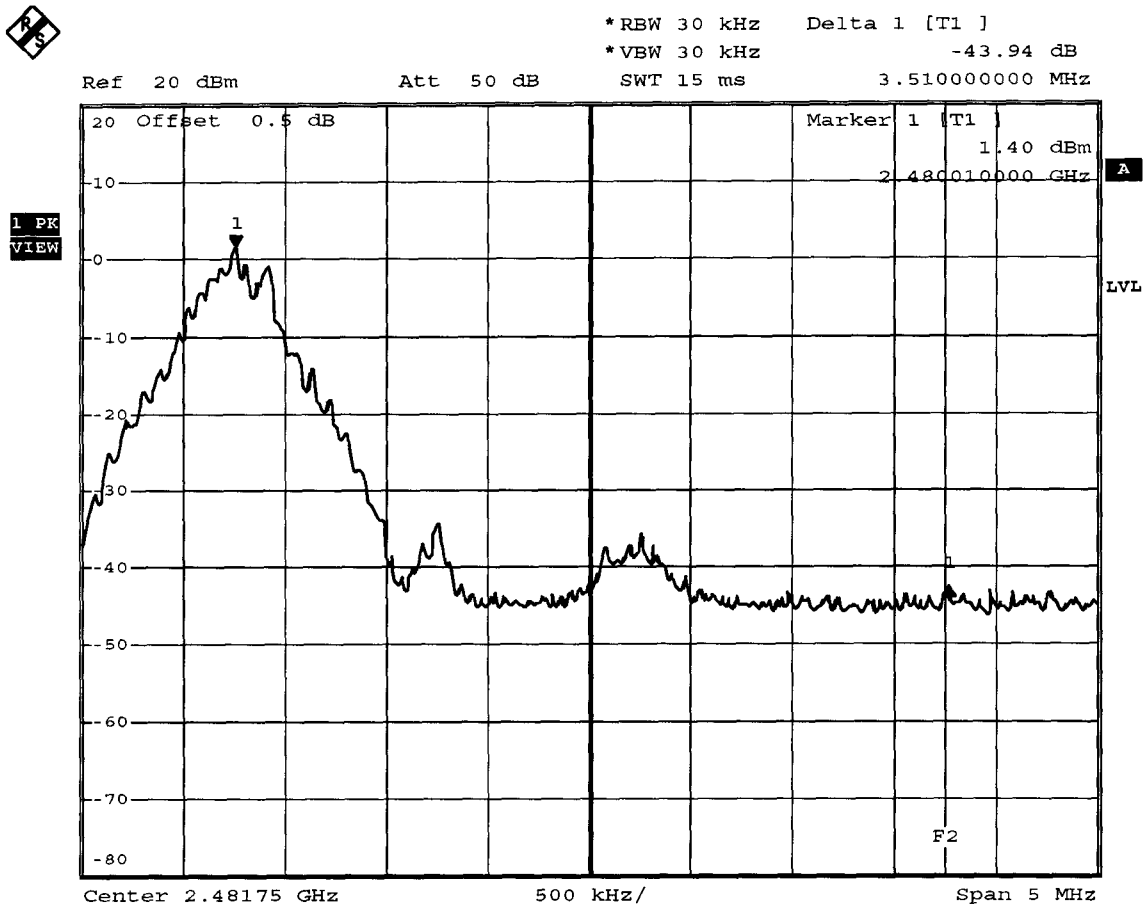


Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 11.JAN.2007 11:31:33

Measurement diagram

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Single frequency mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 11.JAN.2007 11:43:53

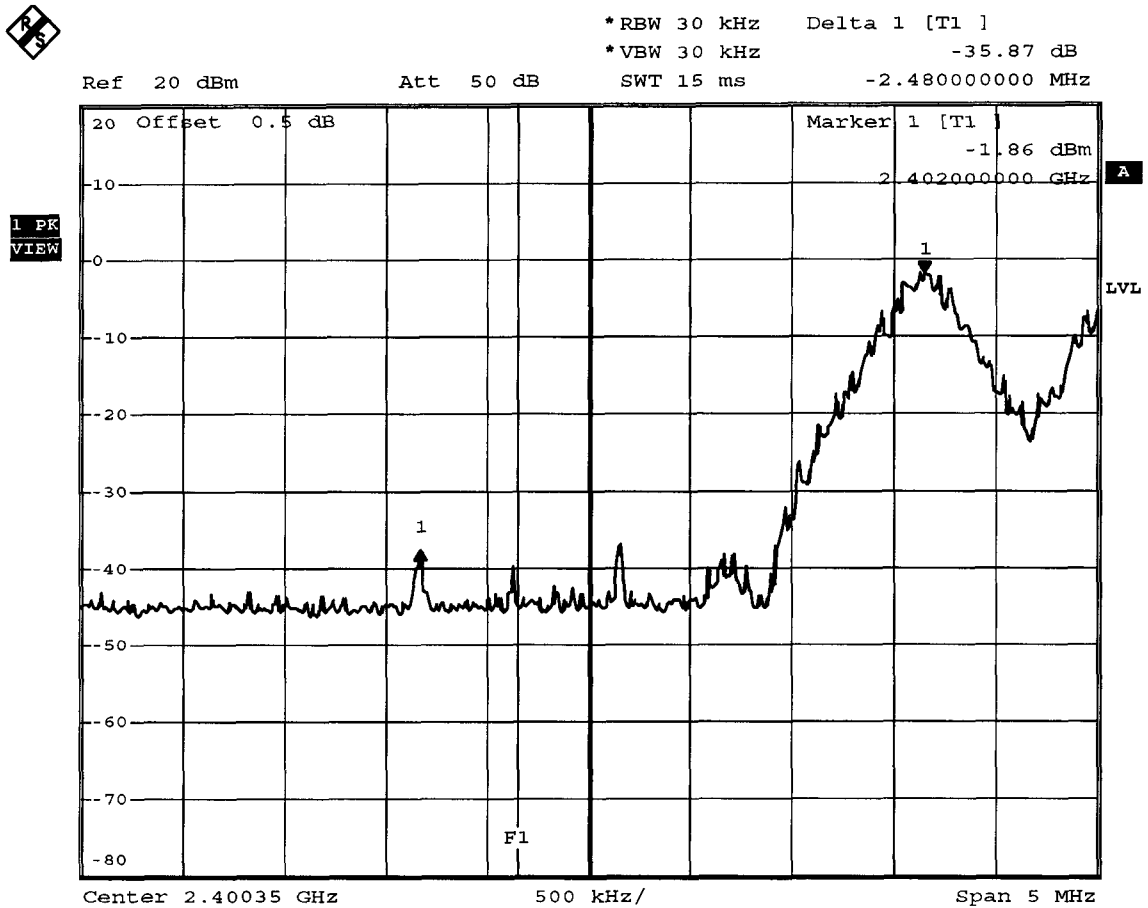
Measurement diagram

ETS Product Service AG

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

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Hopping mode

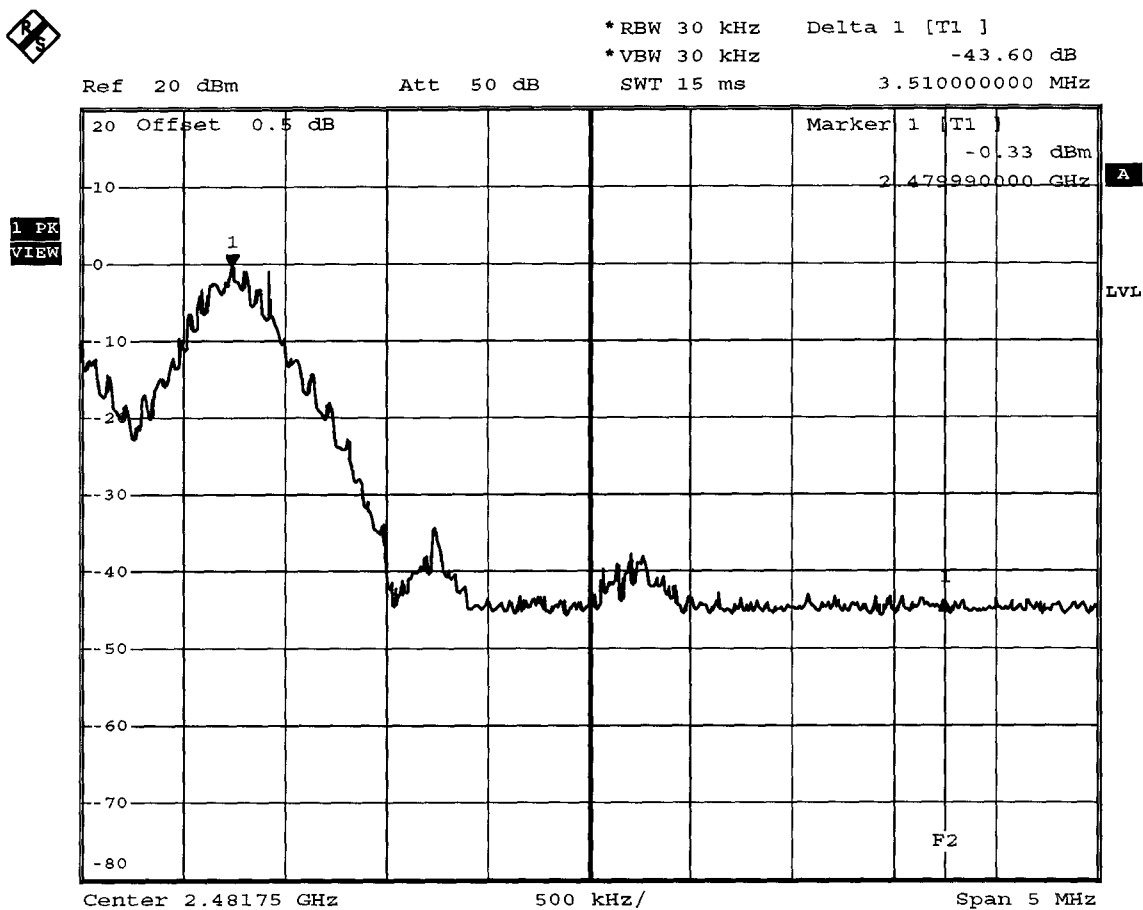


Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 11.JAN.2007 11:36:29

Measurement diagram

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	SEMCO Bluetooth Module
Model	BTEP45C2GA
Approval Holder	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Hoppe
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Hopping mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
 Date: 11.JAN.2007 11:40:41

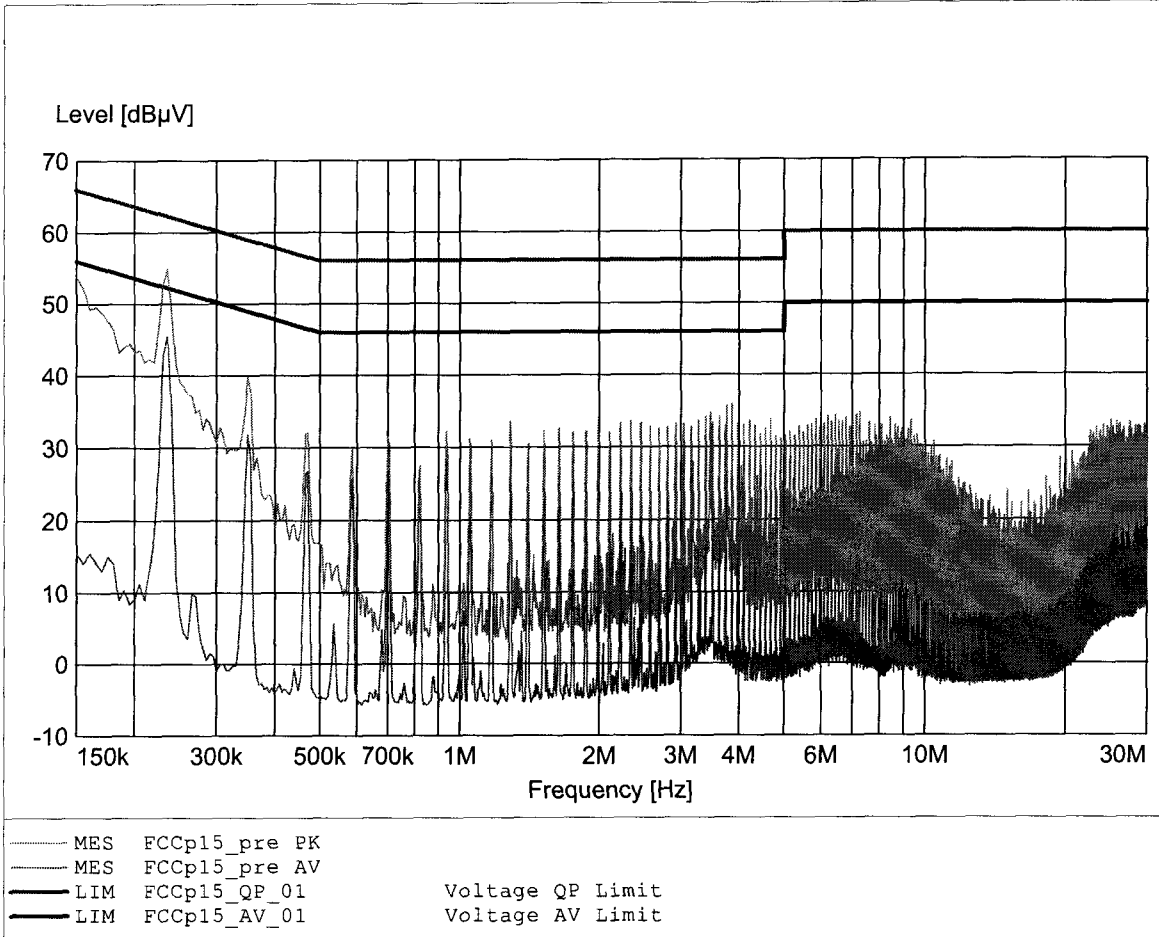
Measurement diagram

Appendix K

AC power line conducted emissions

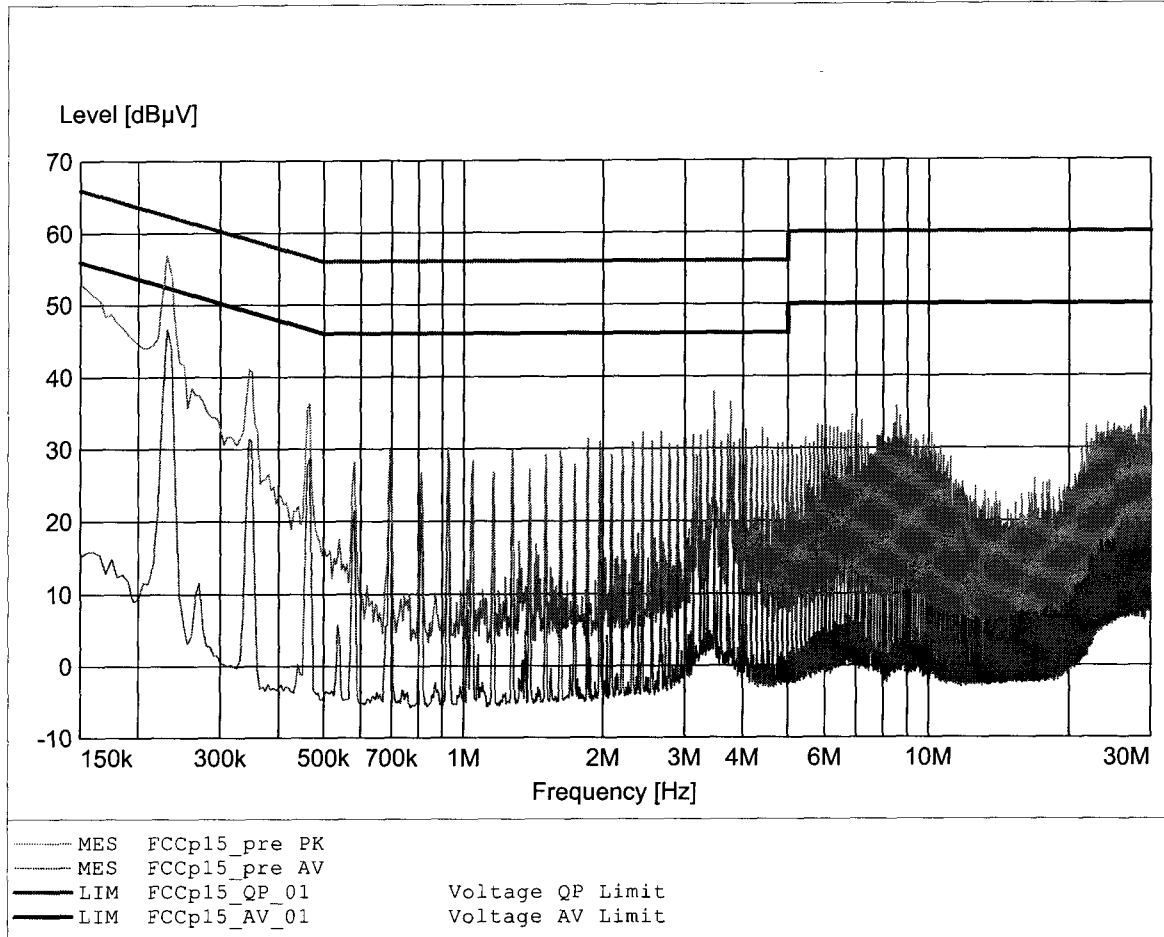
EMI voltage test in the ac-mains according to FCC part 15

EUT: SEMCO Bluetooth Module
Manufacturer: SAMSING ELECTRO-MECHANICS CO., LTD.
Operating Condition: Unom: 120 VAC(AC/DC-adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: V-Network: ESH2-Z5 (L)
Comment: model: BTEP45C2GA
Laptop: Panasonic CF-27



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

EUT: SEMCO Bluetooth Module
Manufacturer: SAMSUNG ELECTRO-MECHANICS CO., LTD.
Operating Condition: Unom: 120 VAC (AC/DC-adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: V-Network: ESH2-Z5 (N)
model: BTEP45C2GA
Comment: Laptop: Panasonic CF-27



Appendix L

Receiver radiated emissions