

# Appendix B

RF power output conducted



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

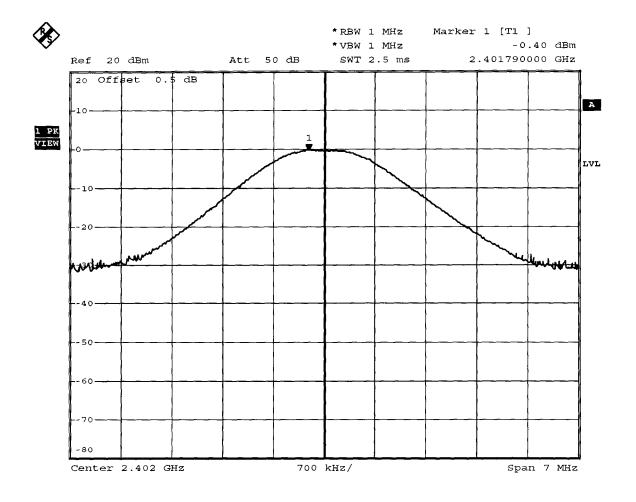
Temperature / Voltage 25°C / Vnom

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



Comment: Output power=-0.4 dBm; Date: 8.FEB.2007 08:32:43 verdict: PASS



EUT

BT Autoradio Hamburg

Model

**MP57** 

Approval Holder

Blaupunkt GmbH CM/FIN12

Temperature / Voltage

25°C / Vnom

Test Site / Operator

ETS Product Service AG / Mr. Treffke

Test Specification Comment 1

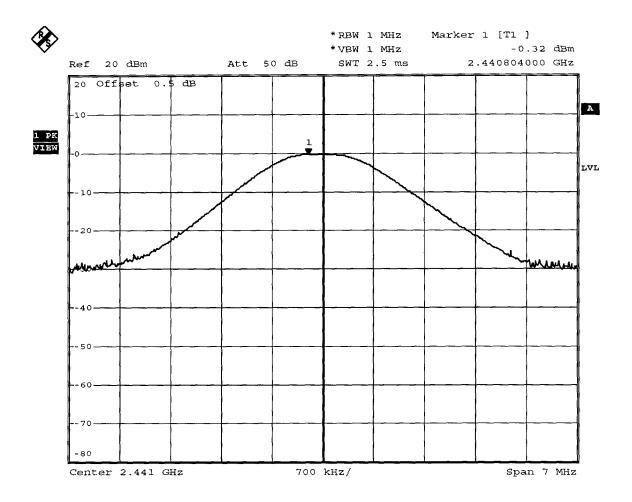
FCC part 15 section 247(b)

Peak output power

Comment 2

Channel.: 39 / 2441 MHz

Comment 3



Comment: Output power=-0.32 dBm;
Date: 8.FEB.2007 09:26:51

verdict: PASS



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

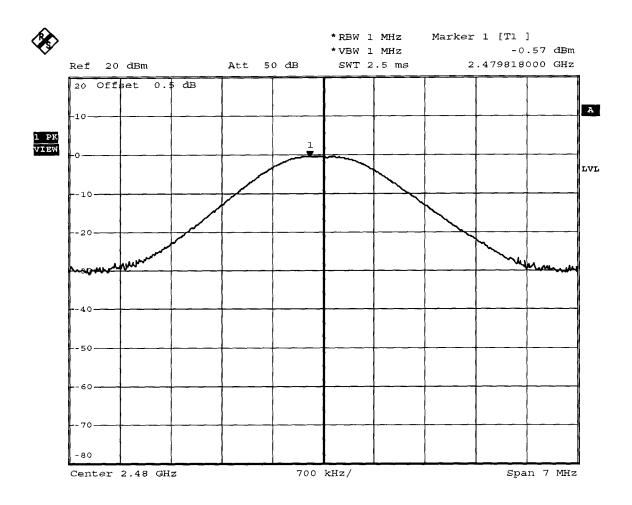
Temperature / Voltage 25°C / Vnom

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



Comment: Output power=-0.57 dBm;

e: 8.FEB.2007 09:28:46

verdict: PASS



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

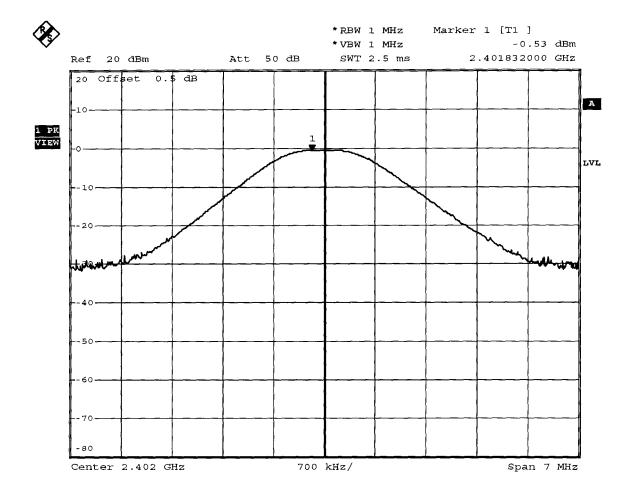
Temperature / Voltage 25°C / Vmin

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=-0.53 dBm; Date: 8.FEB.2007 08:44:37

verdict: PASS



**EUT** BT Autoradio Hamburg

MP57 Model

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vmin

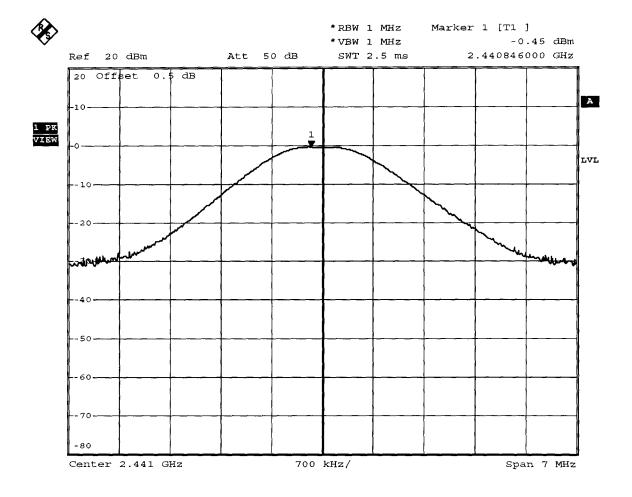
ETS Product Service AG / Mr. Treffke Test Site / Operator

Test Specification FCC part 15 section 247(b)

Comment 1 Peak output power

Channel.: 39 / 2441 MHz Comment 2

Comment 3



Comment: Output power=-0.45 dBm;
Date: 8.FEB.2007 09:24:21

verdict: PASS



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vmin

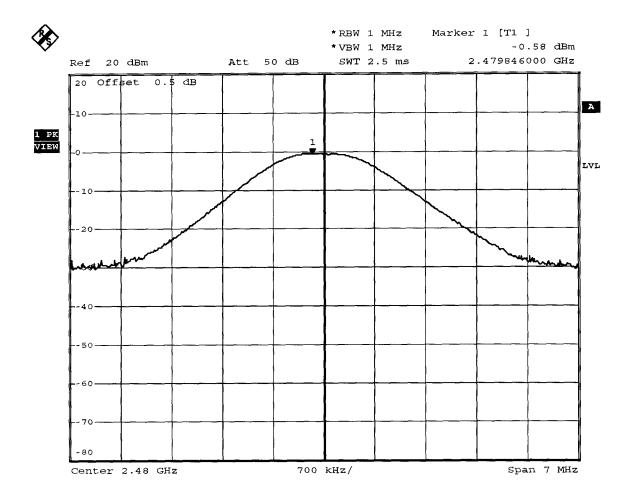
Test Site / Operator ETS Product Service AG / Mr. Treffke

Test Specification FCC part 15 section 247(b)

Comment 1 Peak output power

Comment 2 Channel.: 78 / 2480 MHz

Comment 3



Comment: Output power=-0.58 dBm; Date: 8.FEB.2007 09:39:44 verdict: PASS



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

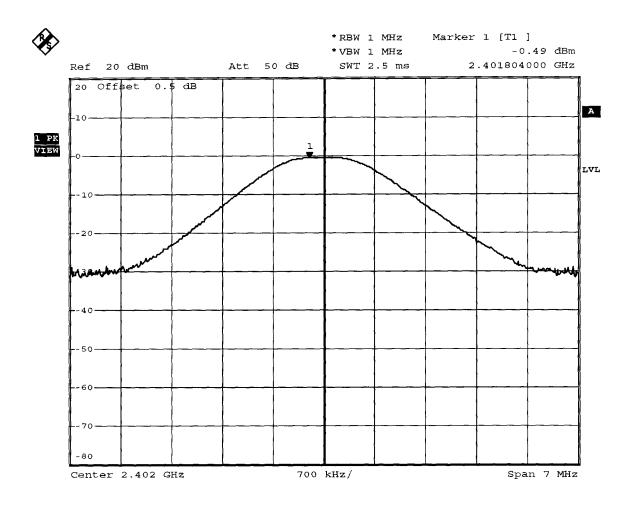
Temperature / Voltage 25°C / Vmax

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=-0.49 dBm; Date: 8.FEB.2007 08:45:57 verdict: PASS



**EUT** 

BT Autoradio Hamburg

Model

**MP57** 

Approval Holder

Blaupunkt GmbH CM/FIN12

Temperature / Voltage

25°C / Vmax

Test Site / Operator

ETS Product Service AG / Mr. Treffke

Test Specification

FCC part 15 section 247(b)

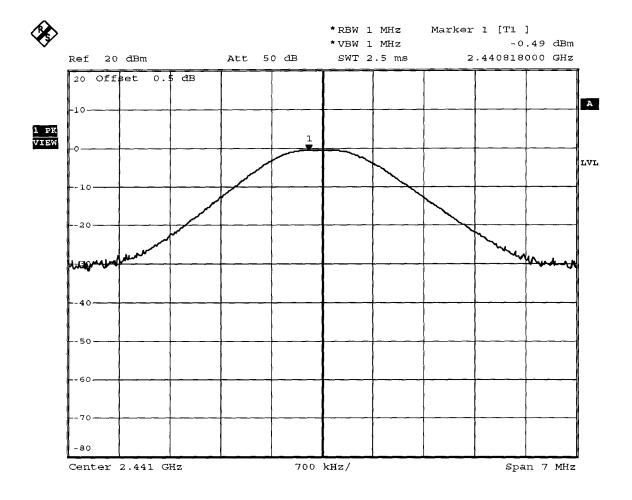
Comment 1

Peak output power

Comment 2

Channel.: 39 / 2441 MHz

Comment 3



Comment: Output power=-0.49 dBm; 8.FEB.2007 09:19:49

verdict: PASS



**EUT** 

BT Autoradio Hamburg

Model

MP57

Approval Holder

Blaupunkt GmbH CM/FIN12

Temperature / Voltage

25°C / Vmax

Test Site / Operator Test Specification

ETS Product Service AG / Mr. Treffke

Comment 1

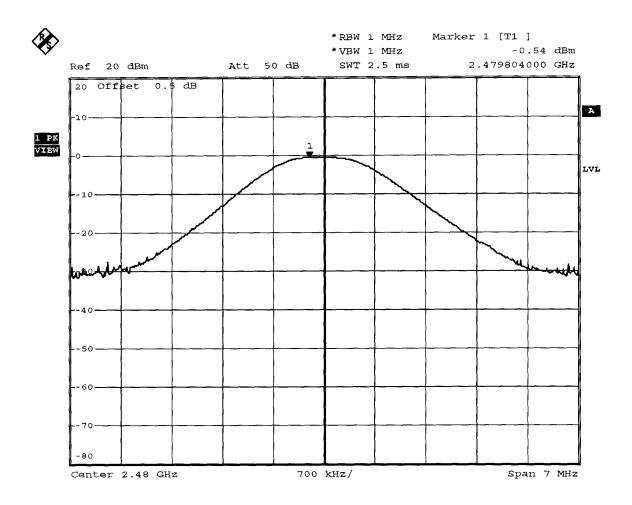
FCC part 15 section 247(b)

Comment 2

Peak output power

Channel.: 78 / 2480 MHz





Comment: Output power=-0.54 dBm; 8.FEB.2007 09:41:47 Date:

verdict: PASS



## Appendix C

RF power output radiated (EIRP)



### Appendix D

20 dB bandwidth



#### FCC part 15.247 20 dB bandwidth

EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vnom

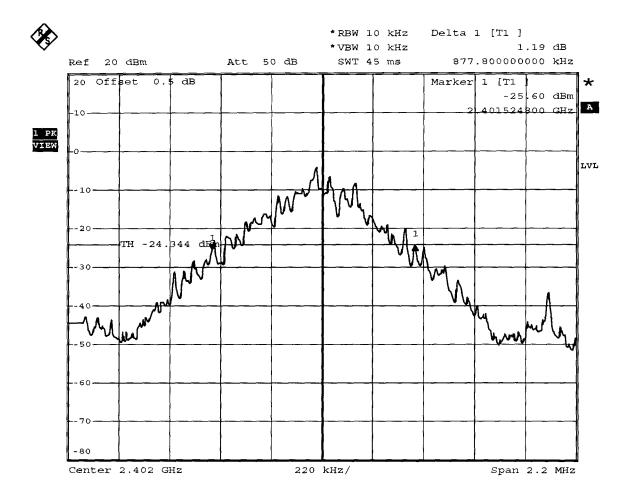
Test Site / Operator ETS Product Service AG / Mr. Treffke

Test Specification FCC part 15 section 247(a)

Comment 1 20 dB bandwidth

Comment 2 Channel.: 0 / 2402 MHz

Comment 3



Comment: 20 dB bandwidth: 877.8 KHz < 1MHz;

te: 8.FEB.2007 09:57:41

verdict: PASS



#### FCC part 15.247 20 dB bandwidth

EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vnom

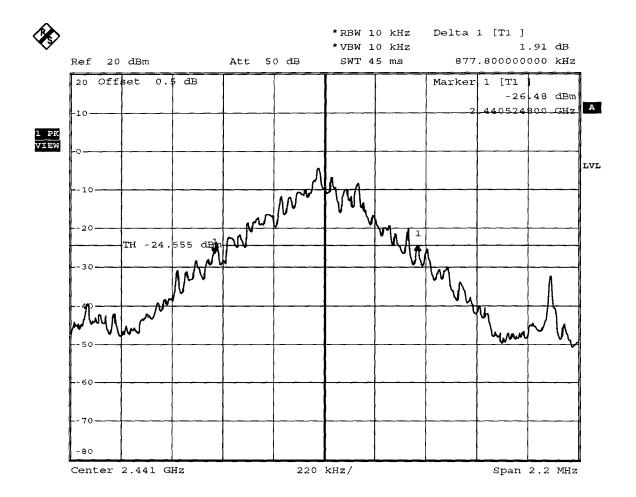
Test Site / Operator ETS Product Service AG / Mr. Treffke

Test Specification FCC part 15 section 247(a)

Comment 1 20 dB bandwidth

Comment 2 Channel.: 39 / 2441 MHz

Comment 3



Comment: 20 dB bandwidth: 877.8 KHz < 1MHz;

Date: 8.FEB.2007 10:00:35

verdict: PASS



#### FCC part 15.247 20 dB bandwidth

EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vnom

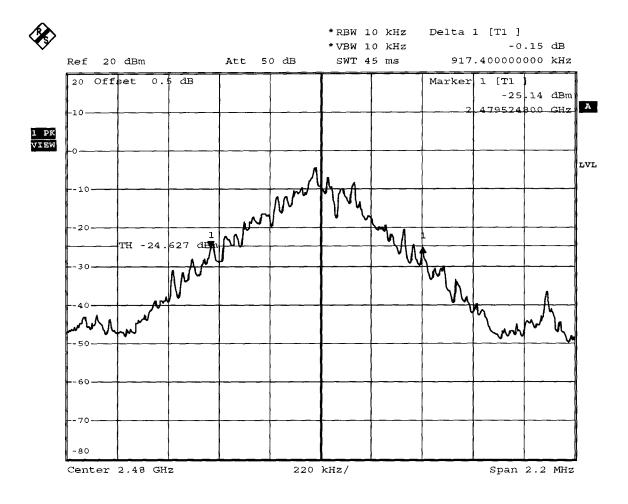
Test Site / Operator ETS Product Service AG / Mr. Treffke

Test Specification FCC part 15 section 247(a)

Comment 1 20 dB bandwidth

Comment 2 Channel.: 78 / 2480 MHz

Comment 3



Comment: 20 dB bandwidth: 877.8 KHz < 1MHz;

Date: 8.FEB.2007 10:19:02

verdict: PASS



### Appendix E

Time of occupancy (dwell time)



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

EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

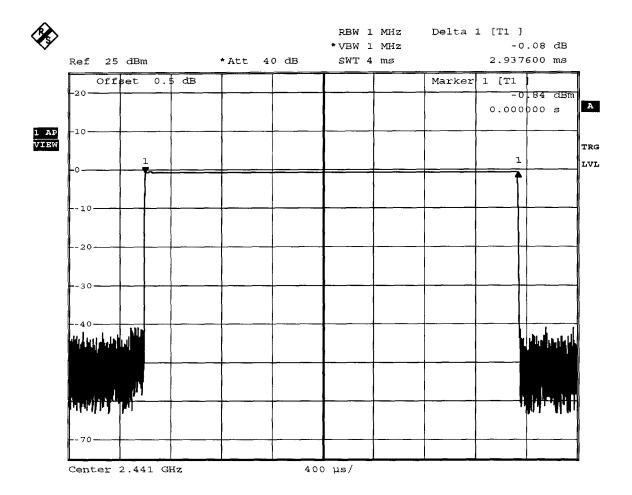
Temperature / Voltage 25°C / Vnom

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 63 events \* 2.937 ms result: 185.0 ms



Comment: Burst length=2.9376 ms Date: 8.FEB.2007 11:22:32



#### FCC part 15.247 Time of occupancy inquiry

**EUT** 

BT Autoradio Hamburg

Model

MP57

Approval Holder

Blaupunkt GmbH CM/FIN12

Temperature / Voltage

25°C / Vnom

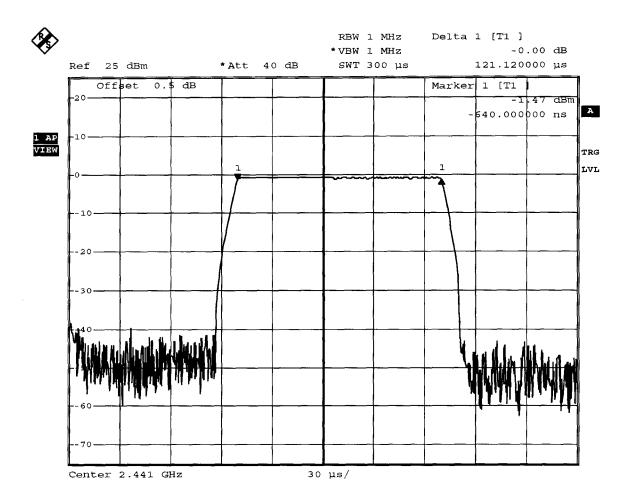
Test Site / Operator Test Specification

ETS Product Service AG / Mr. Treffke

Comment 1 Comment 2 FCC part 15 section 247(a) Time of occupancy inquiry Channel.: 39 / 2441 MHz

506 events \* 0.1211 ms result: 61.3 ms

Comment 3



Comment: Burst length=0.12112 ms 8.FEB.2007 11:44:24



#### FCC part 15.247 **Duty cycle**

**EUT** 

BT Autoradio Hamburg

Model

MP57

Approval Holder

Blaupunkt GmbH CM/FIN12

Temperature / Voltage

25°C / Vnom

Test Site / Operator Test Specification

ETS Product Service AG / Mr. Treffke

FCC part 15 section 247(b)

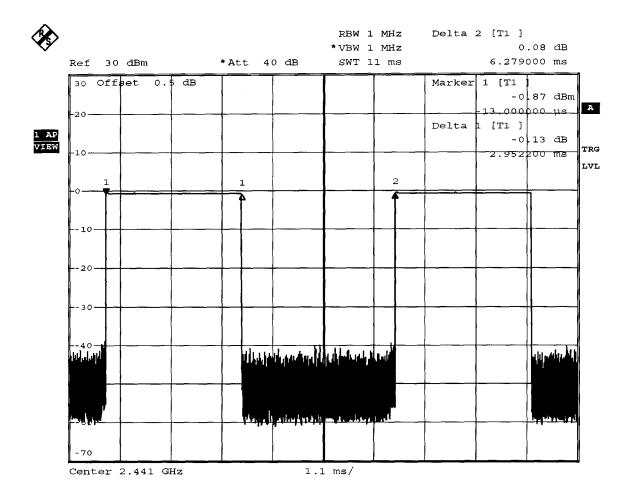
Comment 1

Duty cycle

Comment 2

Channel.: 39 / 2441 MHz

Comment 3



Comment: Duty cycle=0.47

8.FEB.2007 11:15:51



### Appendix F

Number of hopping frequencies



**EUT** 

BT Autoradio Hamburg

Model

MP57

Approval Holder

Blaupunkt GmbH CM/FIN12

Temperature / Voltage

25°C / Vnom

Test Site / Operator Test Specification

ETS Product Service AG / Mr. Treffke

Comment 1

FCC part 15 section 247(a)

Comment 2

Number of hopping frequencies Channel.: 0-13

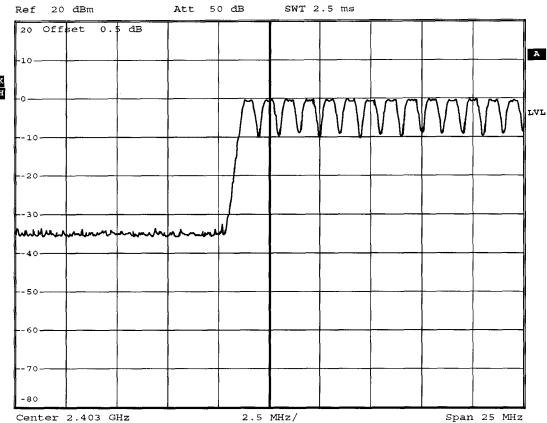
Comment 3



\* RBW 300 kHz

\*VBW 300 kHz





Comment: Number of hopping frequencies

Date:

8.FEB.2007 12:31:29



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

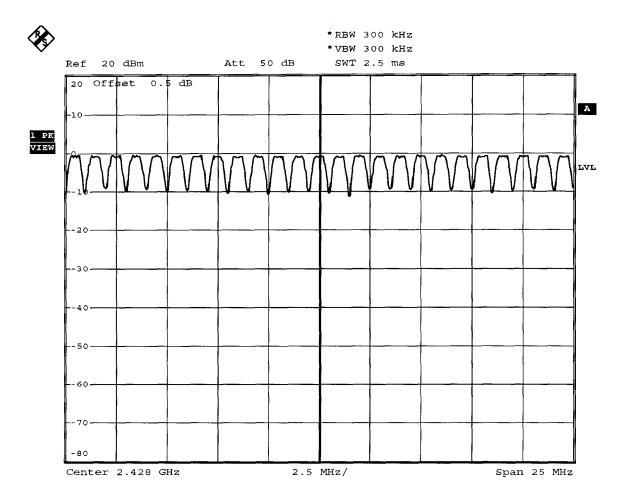
Temperature / Voltage 25°C / Vnom

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: 8.FEB.2007 12:43:06



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

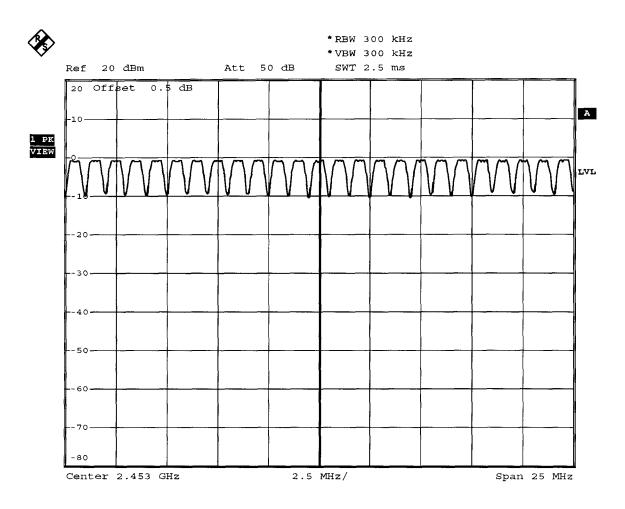
Temperature / Voltage 25°C / Vnom

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: 8.FEB.2007 12:46:21



**EUT** 

BT Autoradio Hamburg

Model

MP57

Approval Holder

Blaupunkt GmbH CM/FIN12

Temperature / Voltage

25°C / Vnom

Test Site / Operator

ETS Product Service AG / Mr. Treffke

Test Specification

FCC part 15 section 247(a) Number of hopping frequencies

Comment 1 Comment 2

Comment 3

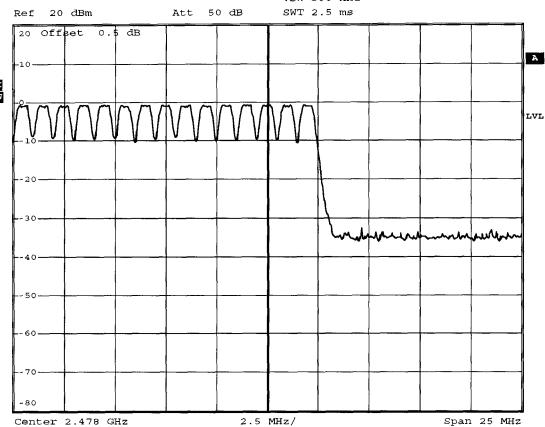
Channel.: 64-78



\*RBW 300 kHz

\* VBW 300 kHz





Comment: Number of hopping frequencies

8.FEB.2007 12:50:40



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

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

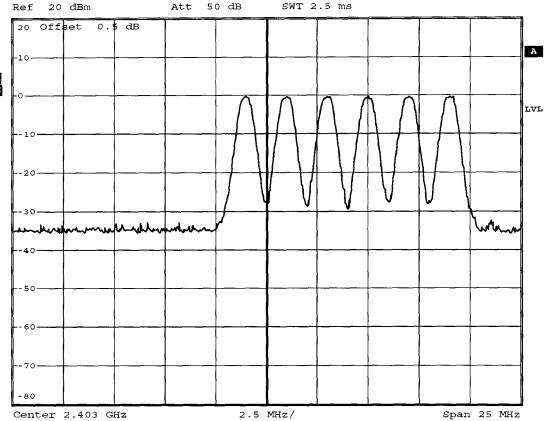
Comment 2 Master inquiry mode Comment 3 Channel.: 1-6



\* RBW 300 kHz

\*VBW 300 kHz SWT 2.5 ms





Comment: Burst length=0.12112 ms
Date: 8.FEB.2007 11:50:52



EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vnom

Test Site / Operator ETS Product Service AG / Mr. Treffke

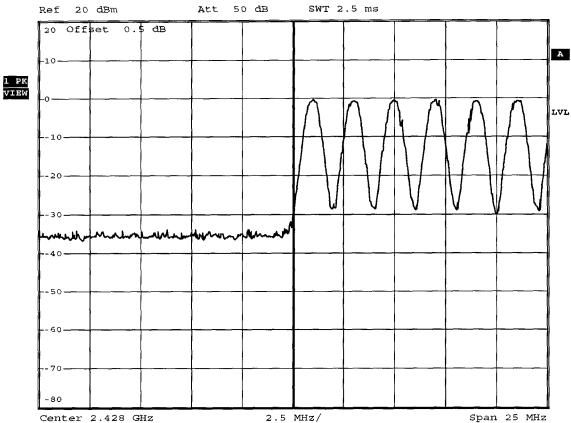
Test Specification FCC part 15 section 247(a)
Comment 1 Number of hopping frequencies

Comment 2 Master inquiry mode Comment 3 Channel.: 7-12



\* RBW 300 kHz

\*VBW 300 kHz



Comment: Number of hopping frequencies

Date: 8.FEB.2007 11:53:04



#### FCC part 15.247 Number of inquiry frequencies

EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vnom

Test Site / Operator ETS Product Service AG / Mr. Treffke

Att 50 dB

Test Specification FCC part 15 section 247(a)
Comment 1 Number of inquiry frequencies

Comment 2 Master inquiry mode Comment 3 Channel.: 13-25

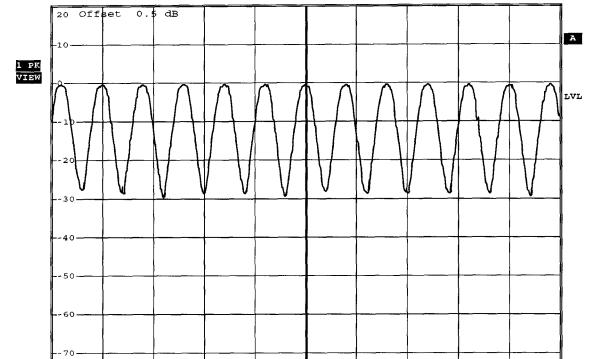


Ref

20 dBm

\*RBW 300 kHz

\*VBW 300 kHz SWT 2.5 ms



Center 2.453 GHz

2.5 MHz/

Span 25 MHz

Comment: Number of hopping frequencies Date: 8.FEB.2007 12:22:39



#### FCC part 15.247 Number of inquiry frequencies

EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

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

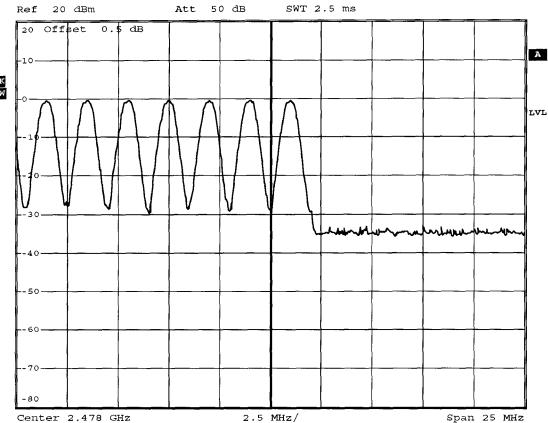
Comment 2 Master inquiry mode Comment 3 Channel.: 26-32



\*RBW 300 kHz

\*VBW 300 kHz





Comment: Number of hopping frequencies

Date: 8.FEB.2007 12:26:20



### Appendix G

Carrier frequency separation



#### FCC part 15.247 Carrier frequency separation

**EUT** 

BT Autoradio Hamburg

Model

MP57

Approval Holder

Blaupunkt GmbH CM/FIN12

Temperature / Voltage

25°C / Vnom

Test Site / Operator

ETS Product Service AG / Mr. Treffke

Test Specification Comment 1

FCC part 15 section 247(b) Carrier frequency separation

Comment 2

Channel.: 39/40 / 2441/2442 MHz

Comment 3

Hopping mode



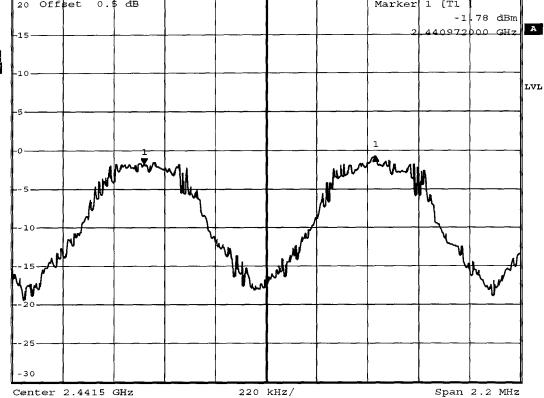
\*RBW 100 kHz Delta 1 [T1]

\* VBW 100 kHz

1.02 dB

1.003200000 MHz Att 50 dB SWT 2.5 ms 20 **d**Bm 20 Offset Marker 1 [Tl





Comment: Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass 8.FEB.2007 11:12:16



### Appendix H

Spurious emission conducted



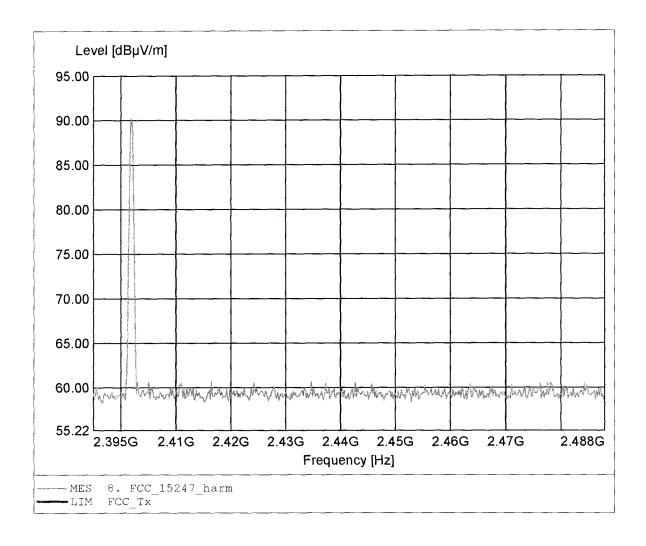
### **Appendix I**

Spurious emission radiated

#### Carrier power (Field Strength)

#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 / 2402
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Emax: 90.26dBµV/m, RBW: 100kHz



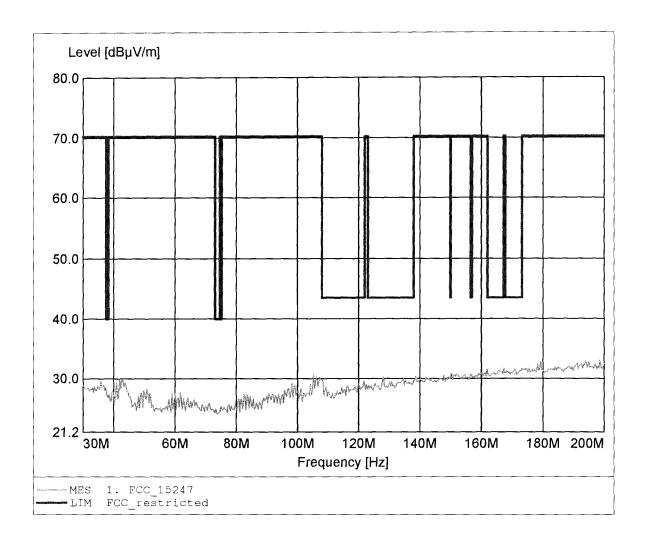
#### Spurious emissions Field Strength

#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 Test Site / Operator: ETS / 2402 / Mr. Schlaps 2402

Test Condition: 25°C / Unom.: 13.20 V DC Test Specification: according to \$15.247 Comment 1:

Dist.: 3m, Ant.: HK 110 Freq: 198.637MHz, Emax: 33.08dBµV/m, RBW: 100kHz Comment 2:



#### Spurious emissions Field Strength

#### FCC RULES PART 15, SUBPART C

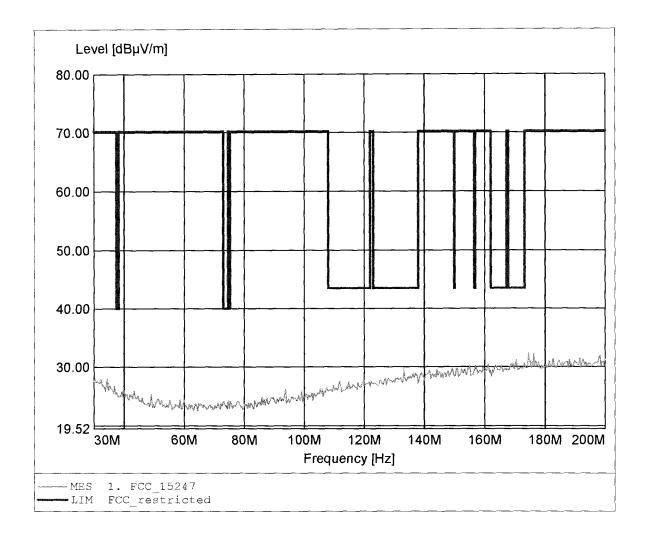
Approval Holder:

BLAUPUNKT GmbH CM/FIN12

EUT:

BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2402
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 174.449MHz, Emax: 32.30dBµV/m, RBW: 100kHz



#### Spurious emissions Field Strength

#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: EUT:

Model / Channel: MP57 / 2402

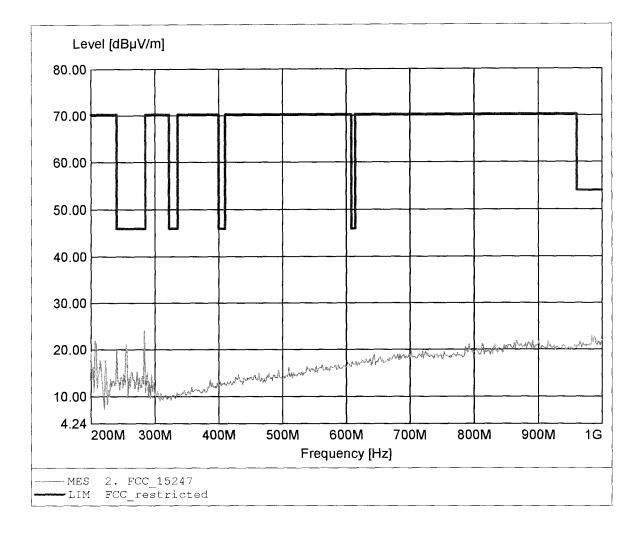
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247

Comment 1: Dist.: 3m, Ant.: HL 223, amplif.

Comment 2: Freq: 283.367MHz, Emax: 24.09dBµV/m, RBW: 100kHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 / 2402

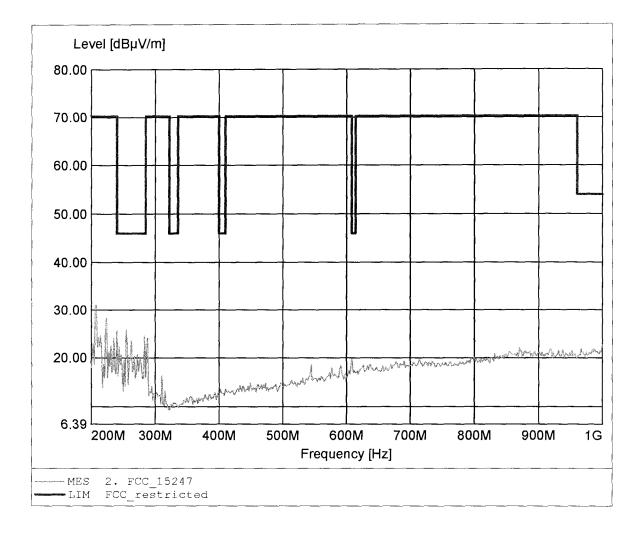
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247

Comment 1: Dist.: 3m, Ant.: HL 223, amplif.

Comment 2: Freq: 208.016MHz, Emax: 30.99dBµV/m, RBW: 100kHz



# FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: EUT:

Model / Channel: MP57 / 2402

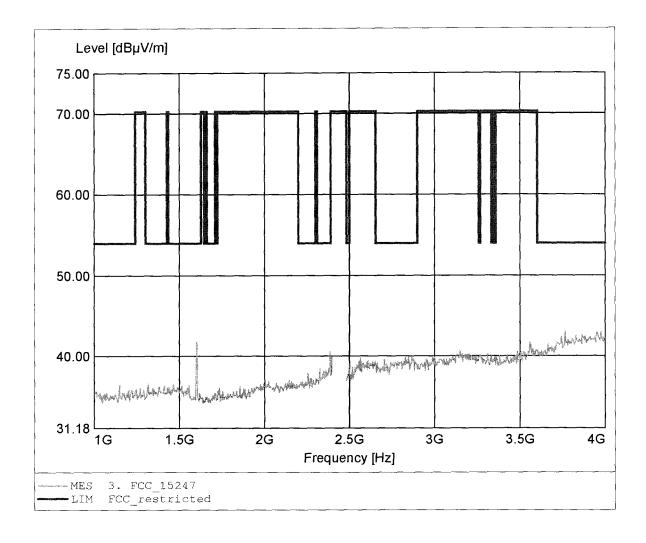
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.

Comment 2: Freq: 3.763GHz, Emax: 43.01dBµV/m, RBW: 1MHz



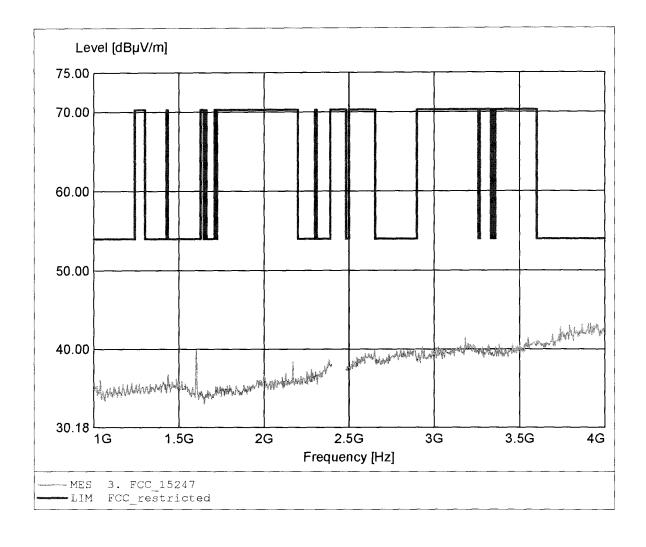
### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: / Channel: MP57 / 2402 / Mr. Schlaps 2402 Model

Test Site / Operator: ETS

Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif. Comment 1:

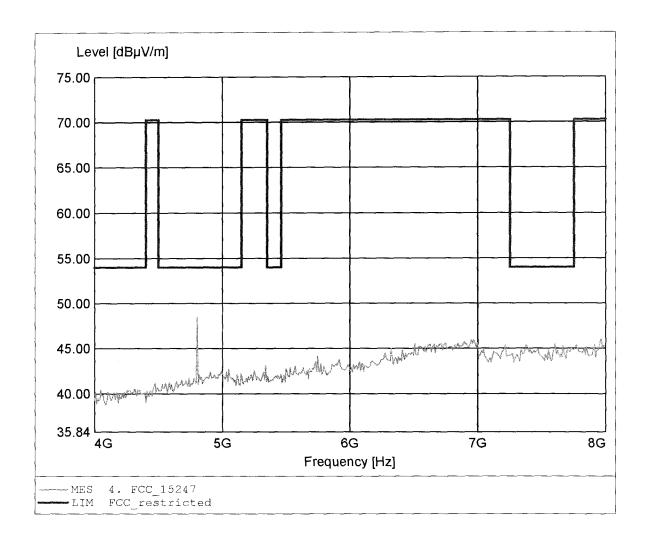
Freq: 3.903GHz, Emax: 43.19dBµV/m, RBW: 1MHz Comment 2:



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

Model / Channel: MP57 / 2402
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 48.49dBµV/m, RBW: 1MHz



## FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

EUT:

Model / Channel: MP57 / 2402

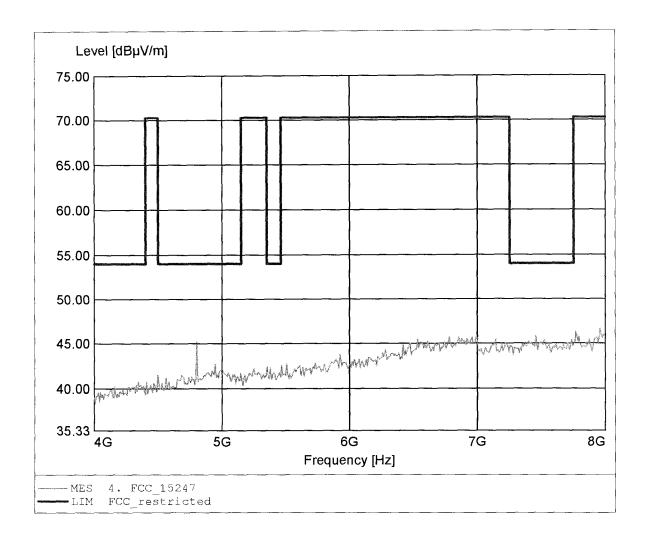
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 7.960GHz, Emax: 46.64dBµV/m, RBW: 1MHz

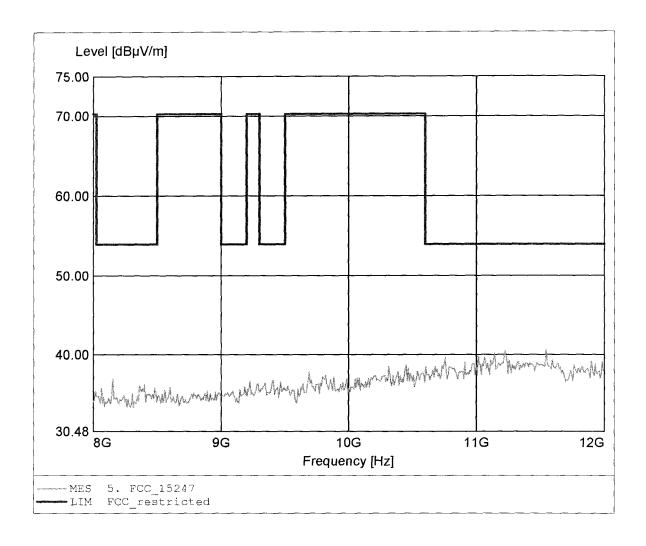


### FCC RULES PART 15, SUBPART C

Approval Holder: BLAUPUNKT GmbH CM/FIN12
EUT: BT AUTORADIO HAMBURG
Model / Channel: MP57 / 2402
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 11.543GHz, Emax: 40.54dBµV/m, RBW: 1MHz



#### FCC RULES PART 15, SUBPART C

Approval Holder: BLAUPUNKT GmbH CM/FIN12 BT AUTORADIO HAMBURG EUT: EUT:

Model / Channel: MP57 / 2402

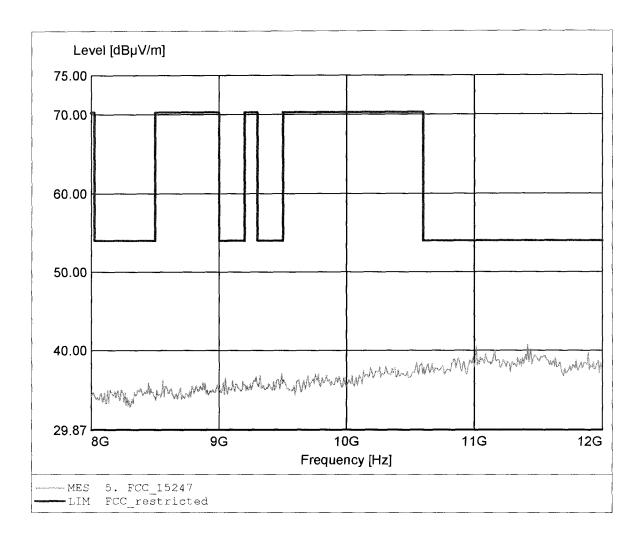
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 11.415GHz, Emax: 40.73dBμV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

Approval Holder:

BLAUPUNKT GmbH CM/FIN12

EUT:

BT AUTORADIO HAMBURG

/ Channel: MP57 Model

Test Site / Operator: ETS

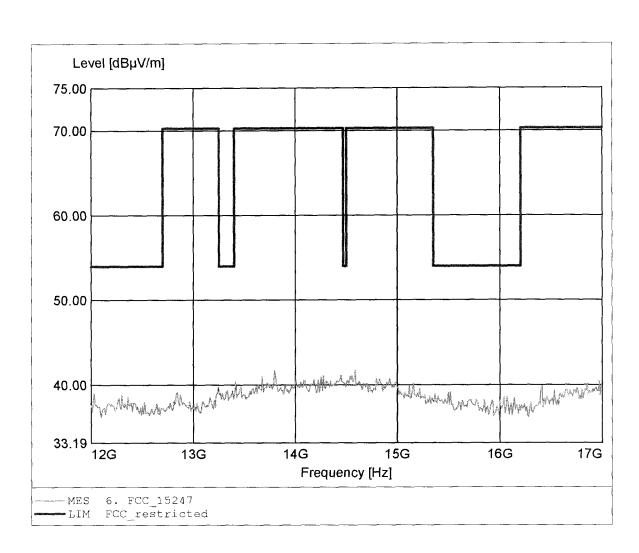
Test Condition: Test Specification:

MP57 / 2402
ETS / Mr. Schlaps
25°C / Unom.: 13.20 V DC
according to \$15.247, peak detector

Comment 1:

Comment 2:

Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Freq: 14.585GHz, Emax: 41.73dBpV/m, RBW: 1MHz



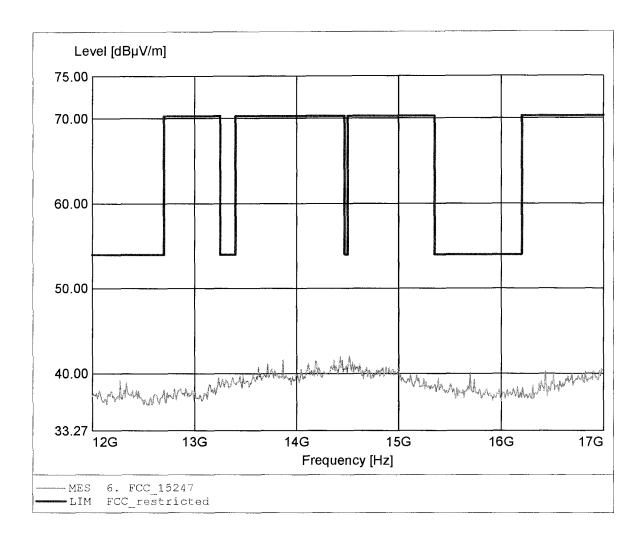
#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: 2402 / Channel: MP57 / Model / Mr. Schlaps Test Site / Operator: ETS

25°C / Unom.: 13.20 V DC according to \$15.247, peak detector Test Condition:

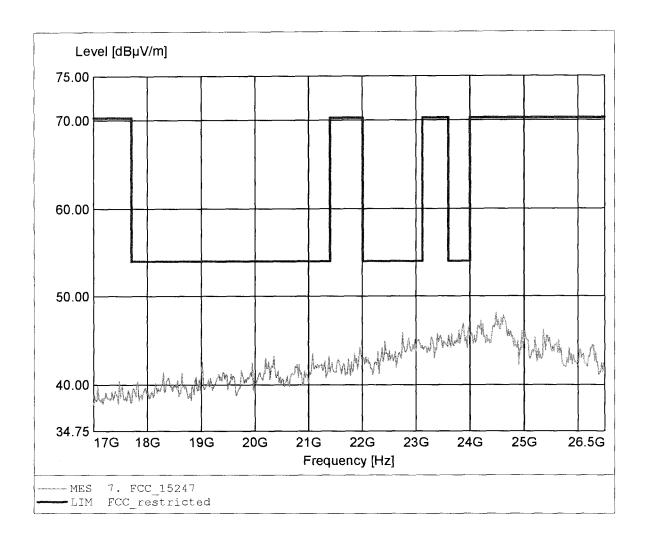
Test Specification: Comment 1:

Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Freq: 14.515GHz, Emax: 42.03dBpV/m, RBW: 1MHz Comment 2:



#### FCC RULES PART 15, SUBPART C

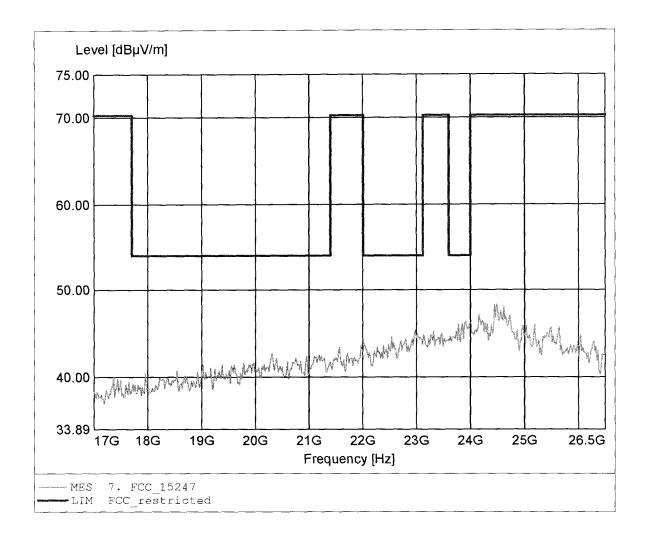
BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 / 2402
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.482GHz, Emax: 48.10dBµV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

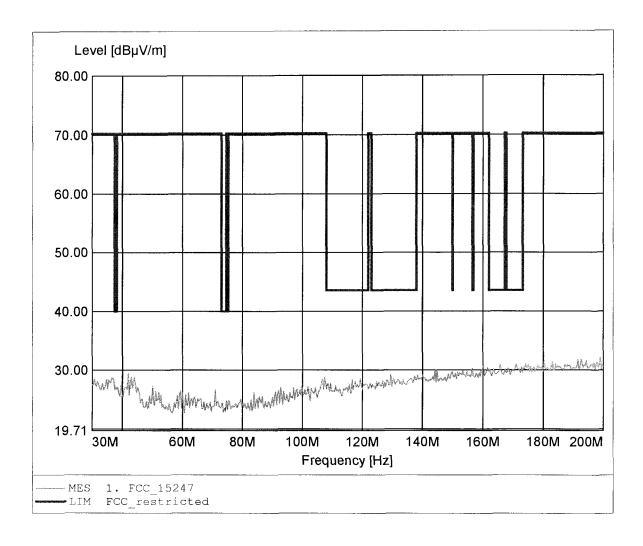
BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

Model / Channel: MP57 / 2402
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.482GHz, Emax: 48.33dBµV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 / 2441
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Emax: 32.14dBµV/m, RBW: 100kHz



### FCC RULES PART 15, SUBPART C

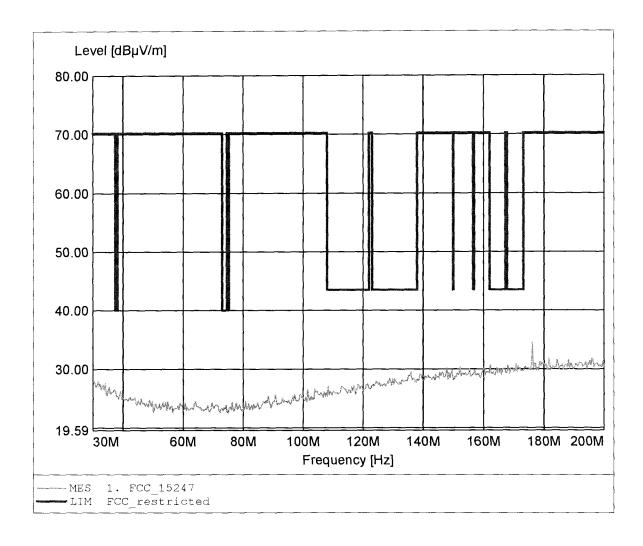
Approval Holder:

BLAUPUNKT GmbH CM/FIN12

EUT:

BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2441
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 176.152MHz, Emax: 34.55dBµV/m, RBW: 100kHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 / 2441

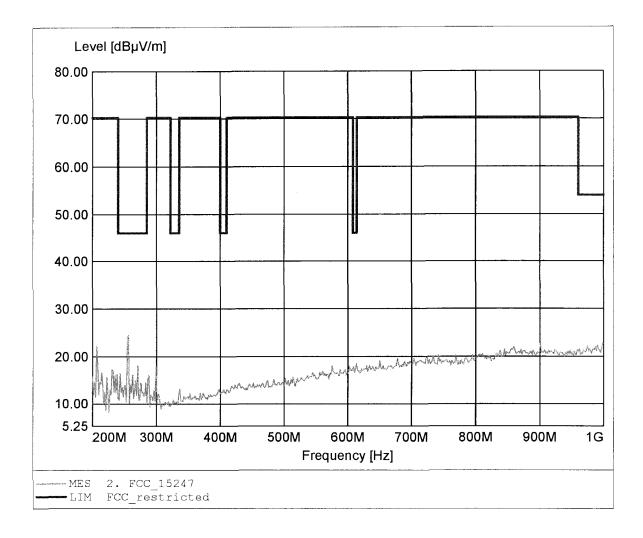
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247

Comment 1: Dist.: 3m, Ant.: HL 223, amplif.

Comment 2: Freq: 256.112MHz, Emax: 24.43dBµV/m, RBW: 100kHz



### FCC RULES PART 15, SUBPART C

Approval Holder: EUT:

BLAUPUNKT GmbH CM/FIN12

/ Channel: MP57 Model

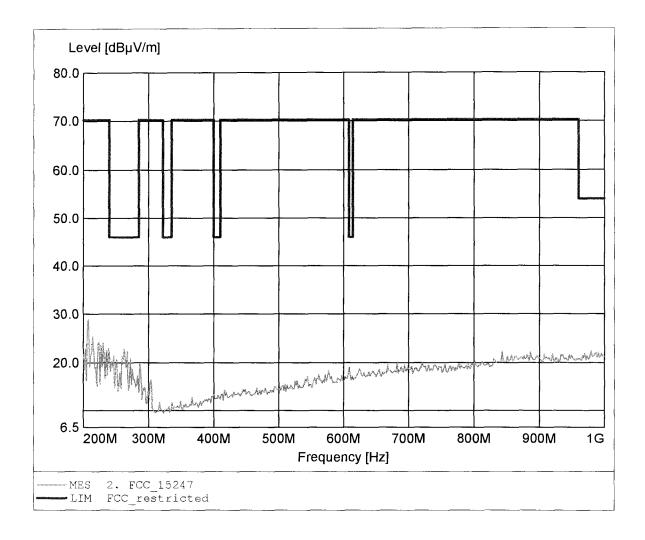
BT AUTORADIO HAMBURG / 2441 / Mr. Schlaps 2441

Test Site / Operator: ETS Test Condition:

25°C / Unom.: 13.20 V DC

Test Condition:
Test Specification:
Comment 1:
Comment 2:

Dist.: 3m, Ant.: HL 223, amplif.
Freq: 208.016MHz, Emax: 29.01dBµV/m, RBW: 100kHz

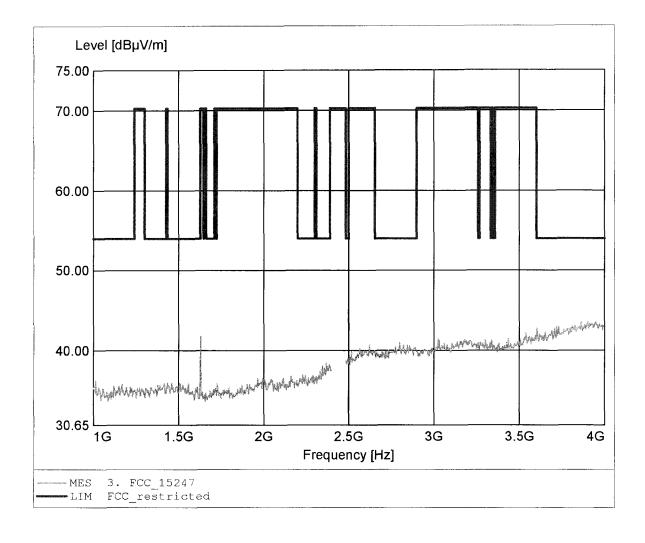


### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: EUT: BT AUTORADIO HAMBURG / Channel: MP57 MP57 / 2441 ETS / Mr. Schlaps 25°C / Unom.: 13.20 V DC Model Test Site / Operator: ETS

Test Condition: 25°C / Unom.: 13.20 v DC
Test Specification: according to \$15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.

Comment 1: Comment 2: Dist.: 3m, Ant.: выначиль, амучи. Freq: 3.900GHz, Emax: 43.55dBµV/m, RBW: 1MHz



#### FCC RULES PART 15, SUBPART C

Approval Holder: BLAUPUNKT GmbH CM/FIN12
EUT: BT AUTORADIO HAMBURG
Model / Channel: MP57 / 2441
Test Site / Operator: ETS / Mr. Schlaps

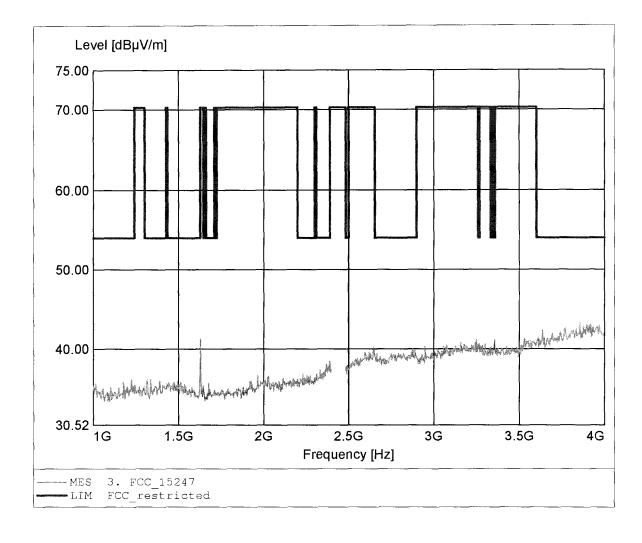
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247, peak detector

Test Specification: according to \$15.247, peak detector

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: 25°C / Unom.: 13.20 V DC

Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.854GHz, Emax: 43.31dBµV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 / 2441

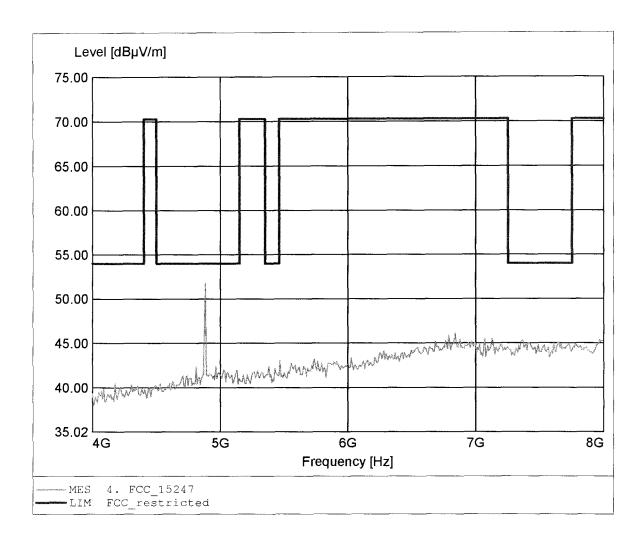
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 4.882GHz, Emax: 51.75dBµV/m, RBW: 1MHz



#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model

Test Site / Operator: ETS

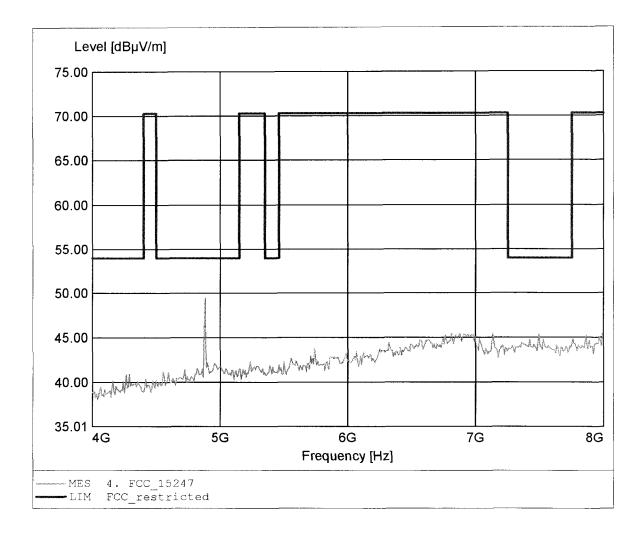
/ Channel: MP57 / 2441

te / Operator: ETS / Mr. Schlaps
ndition: 25°C / Unom.: 13.20 V DC
ecification: according to \$15.247, peak detector Test Site / Openation: 25°C / One...

Test Specification: according to \$15.247, peak detector
Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

--- 4 882GHz, Emax: 49.47dBµV/m, RB

Freq: 4.882GHz, Emax: 49.47dBµV/m, RBW: 1MHz

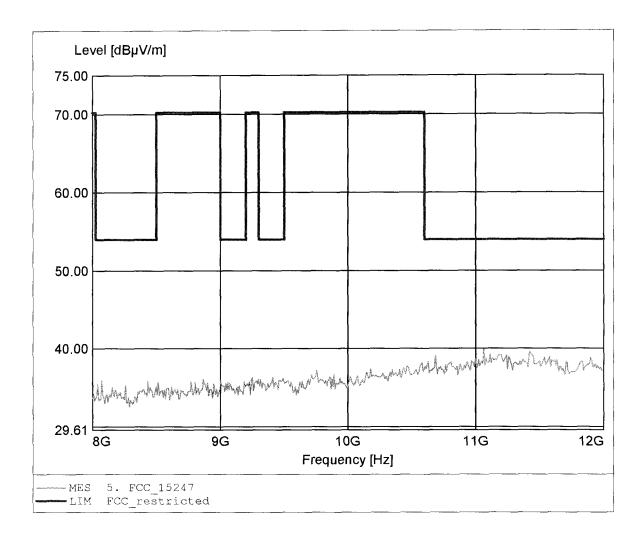


### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Channel: MP57 / 2441
/ Operator: ETS / Mr. Schlaps
tion: 25°C / Unom.: 13.20 V DC
fication: according to \$15.247, peak detector Model Test Site / Operator: ETS

Test Condition:

Test Condition: 23 C ,
Test Specification: according to \$15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Freq: 11.062GHz, Emax: 39.95dBµV/m, RBW: 1MHz



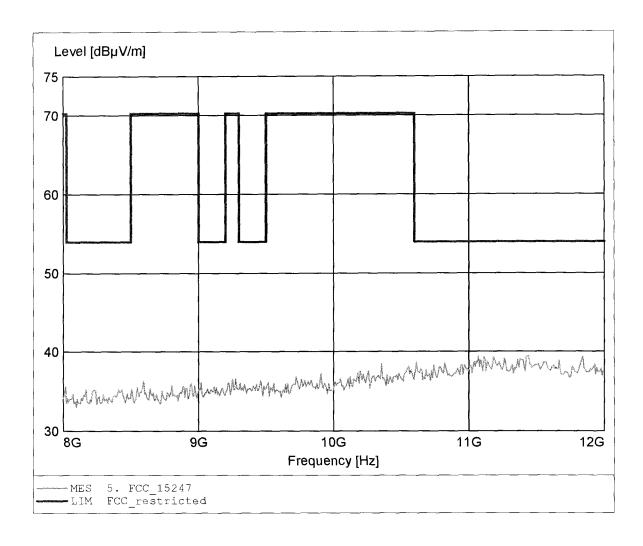
#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: EUT: BT AUTORADIO HAMBURG Channel: MP57 / 2441 Model / Mr. Schlaps Test Site / Operator: ETS

25°C / Unom.: 13.20 V DC according to \$15.247, peak detector Test Condition:

Test Specification: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP. Comment 1:

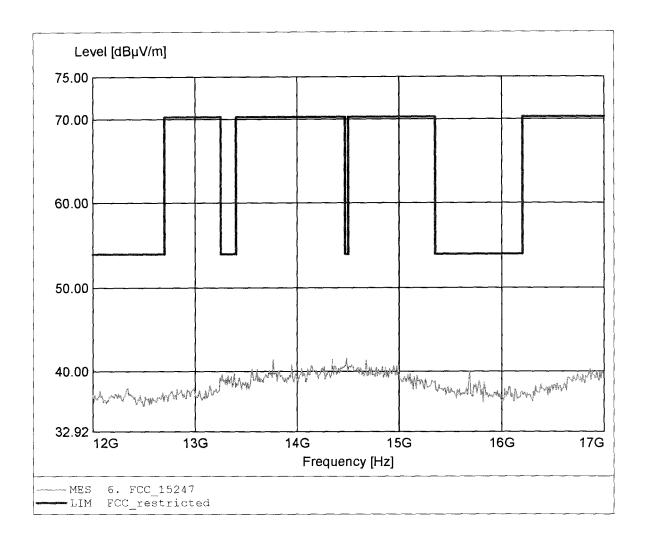
Freq: 11.439GHz, Emax: 39.46dBuV/m, RBW: 1MHz Comment 2:



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: / Channel: MP57 / 2441 / Mr. Schlaps 2441 Model Test Site / Operator: ETS

25°C / Unom.: 13.20 V DC according to \$15.247, peak detector Test Condition: Test Condition:
Test Specification:
Comment 1:
Comment 2:
Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Freq: 14.485GHz, Emax: 41.51dBµV/m, RBW: 1MHz

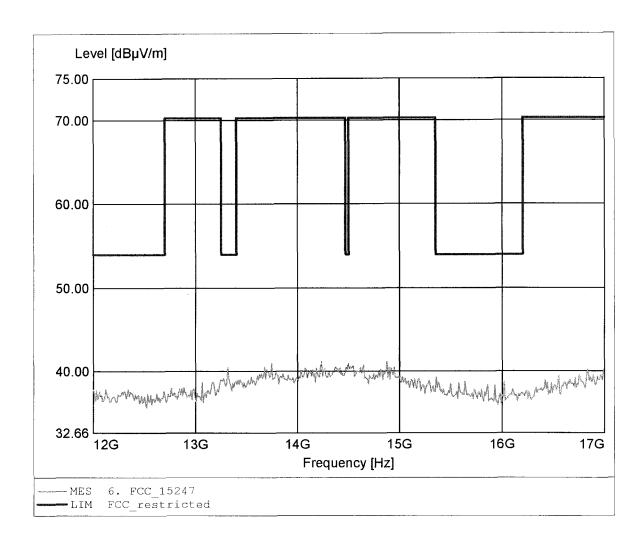


### FCC RULES PART 15, SUBPART C

Approval Holder: BLAUPUNKT GmbH CM/FIN12 EUT: BT AUTORADIO HAMBURG Model / Channel: MP57 / 2441 Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.876GHz, Emax: 41.18dBµV/m, RBW: 1MHz



#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: EUT: BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2441

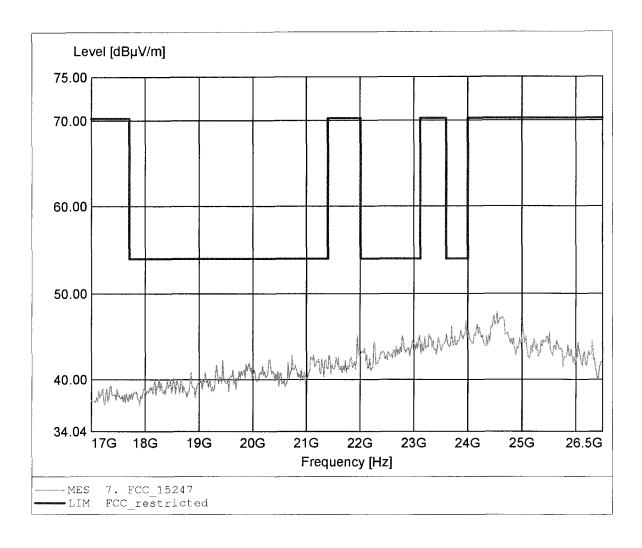
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: HL025, amplif.

Comment 2: Freq: 24.539GHz, Emax: 47.91dBµV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: EUT: BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2441

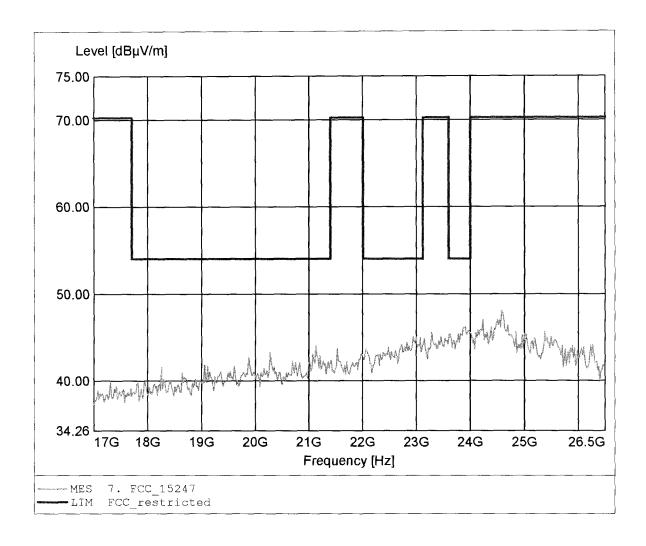
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: HL025, amplif.

Comment 2: Freq: 24.577GHz, Emax: 48.08dBµV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

EUT:

Model / Channel: MP57 / 2480

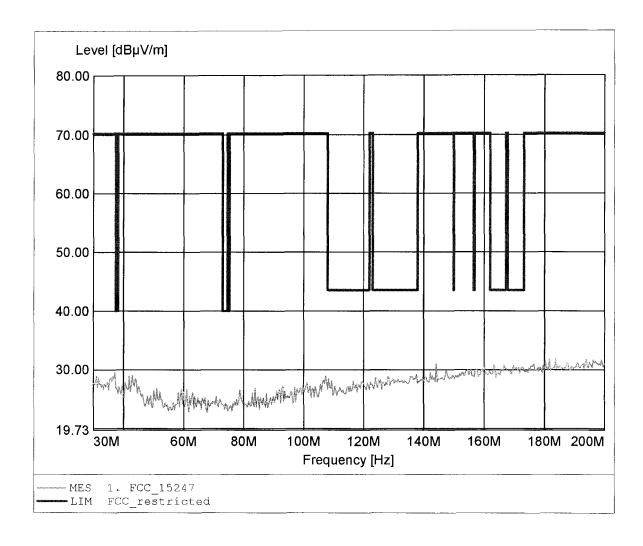
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247

Comment 1: Dist.: 3m, Ant.: HK 116

Comment 2: Freq: 183.647MHz, Emax: 32.00dBµV/m, RBW: 100kHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

Model / Channel: MP57 / 2480

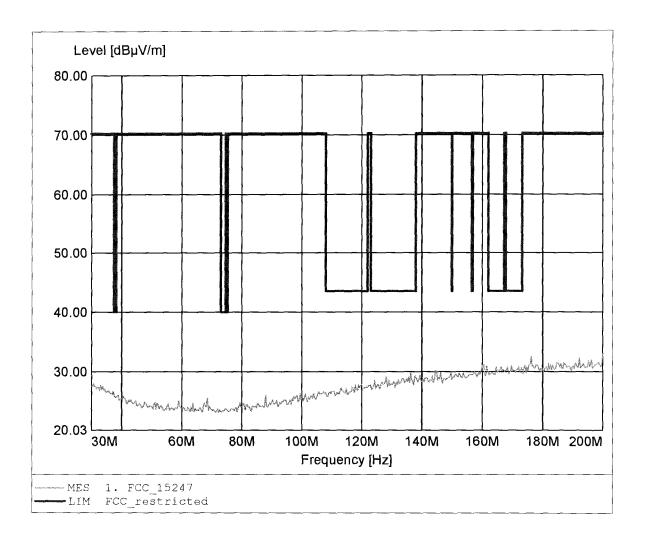
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247

Comment 1: Dist.: 3m, Ant.: HK 116

Comment 2: Freq: 200.000MHz, Emax: 32.94dBpV/m, RBW: 100kHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

Model / Channel: MP57 / 2480

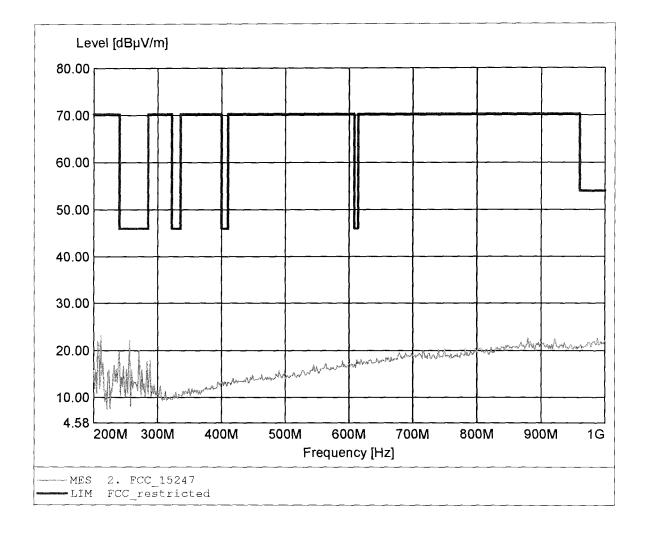
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247

Comment 1: Dist.: 3m, Ant.: HL 223, amplif.

Comment 2: Freq: 211.222MHz, Emax: 23.15dBµV/m, RBW: 100kHz



### FCC RULES PART 15, SUBPART C

Approval Holder: BLAUPUNKT GmbH CM/FIN12 BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 / 2480

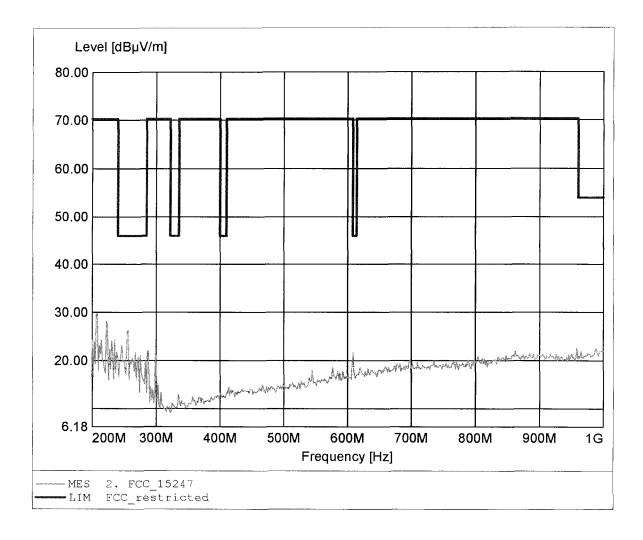
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247

Comment 1: Dist.: 3m, Ant.: HL 223, amplif.

Comment 2: Freq: 208.016MHz, Emax: 29.77dBµV/m, RBW: 100kHz



### FCC RULES PART 15, SUBPART C

Approval Holder:

BLAUPUNKT GmbH CM/FIN12

EUT:

BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2480

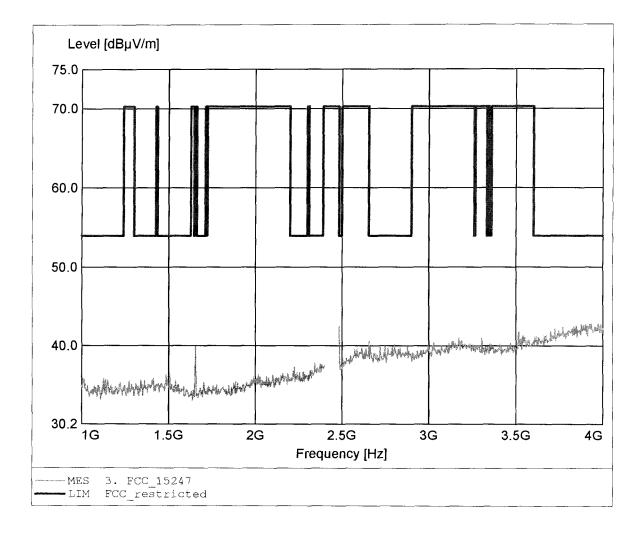
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.

Comment 2: Freq: 3.933GHz, Emax: 42.77dBµV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

Approval Holder: BLAUPUNKT GmbH CM/FIN12 BT AUTORADIO HAMBURG EUT:

Model / Channel: MP57 / 2480

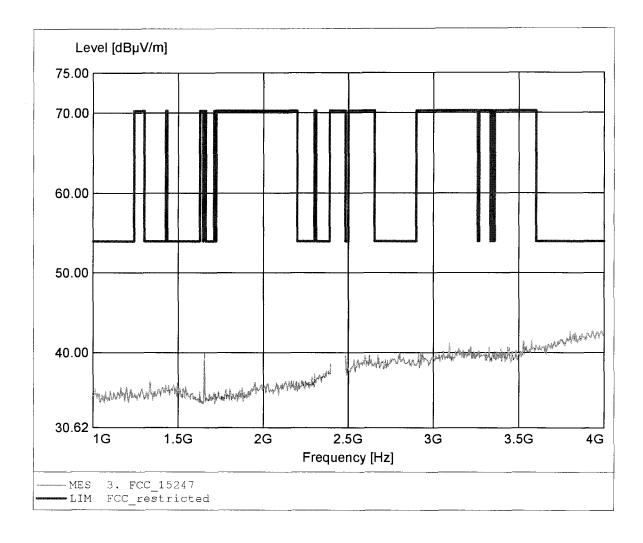
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.

Comment 2: Freq: 3.985GHz, Emax: 42.72dBµV/m, RBW: 1MHz



#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

Model / Channel: MP57 / 2480

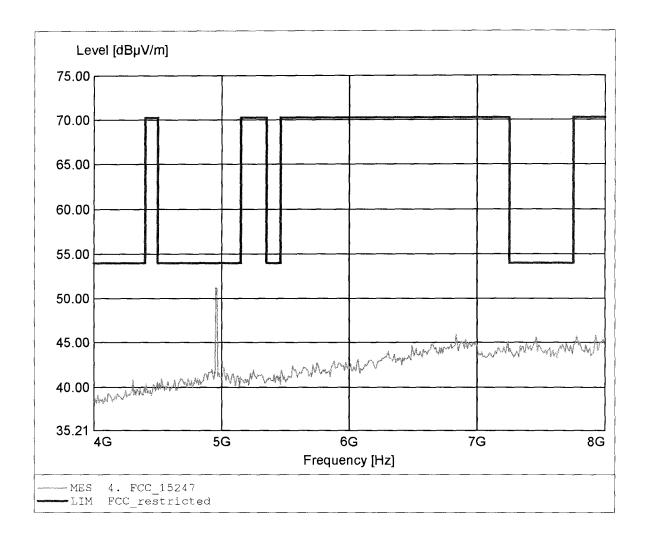
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 4.954GHz, Emax: 51.29dBµV/m, RBW: 1MHz



#### FCC RULES PART 15, SUBPART C

Approval Holder:

BLAUPUNKT GmbH CM/FIN12

EUT:

BT AUTORADIO HAMBURG

EUT:

Model / Channel: MP57 / 2480

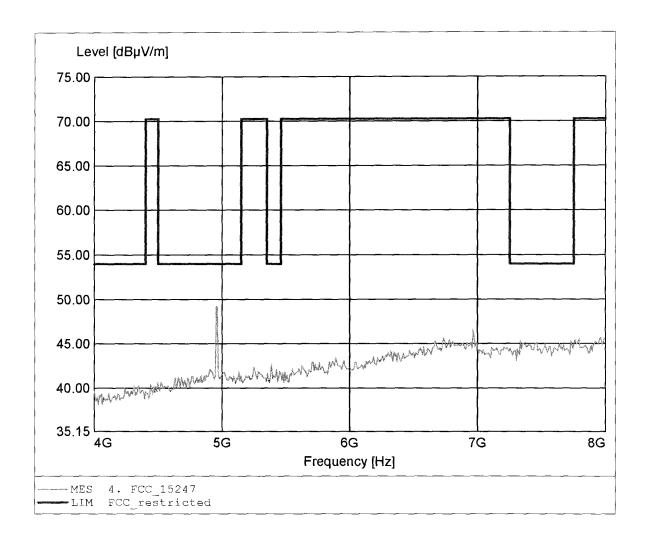
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 4.962GHz, Emax: 49.17dBµV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: MP57 / 2480
ETS / Mr. Schlaps
25°C / Unom.: 13.20 V DC
according to \$15.247, peak detector Channel: MP57 Model Test Site / Operator: ETS

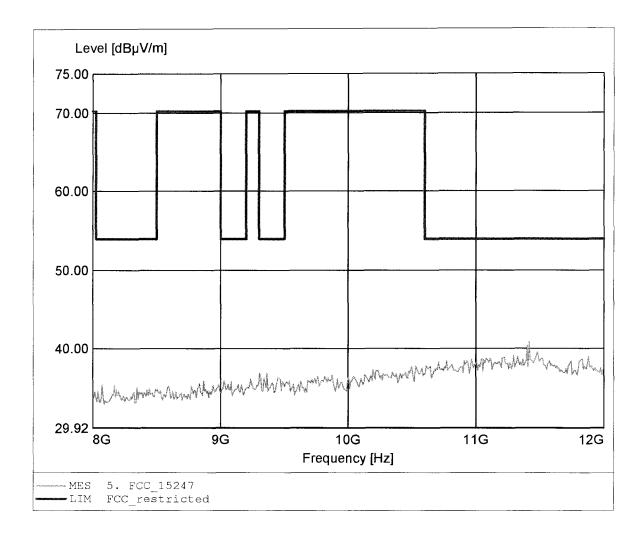
Test Site / Operator. 25°C / Unom...

Test Condition: 25°C / Unom...

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

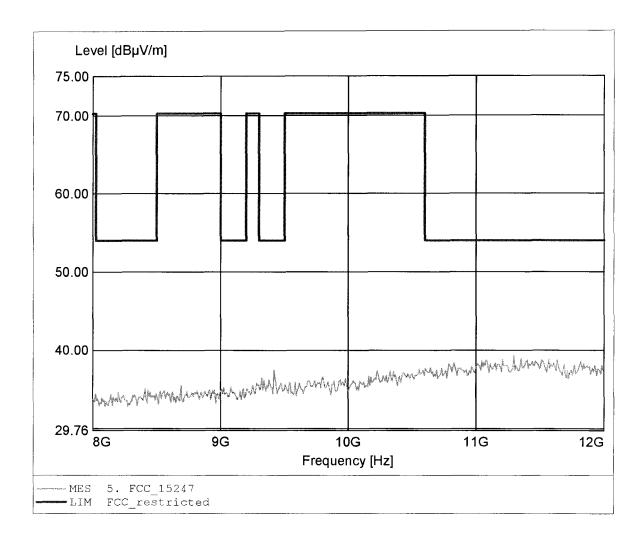
Freq: 11.415GHz, Emax: 40.86dBµV/m, RBW: 1MHz



#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

EUT: BT AUTORADIO HAMBURG
Model / Channel: MP57 / 2480
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to \$15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.295GHz, Emax: 39.29dBµV/m, RBW: 1MHz



### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

Model / Channel: MP57 / 2480

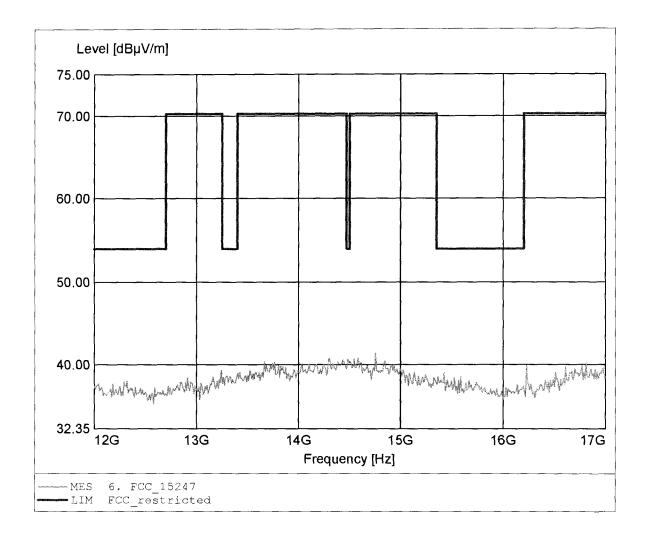
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 14.756GHz, Emax: 41.41dBµV/m, RBW: 1MHz



#### Spurious emissions Field Strength

#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: Model / Channel: MP57 / 2480

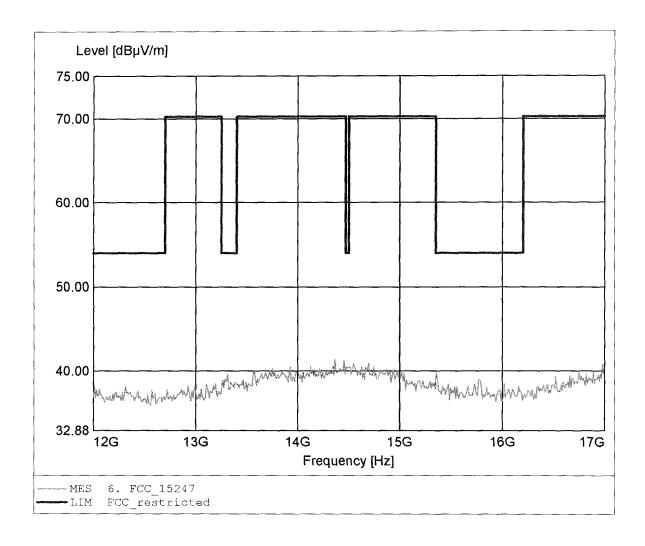
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.

Comment 2: Freq: 14.365GHz, Emax: 41.50dBµV/m, RBW: 1MHz



#### Spurious emissions Field Strength

#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: EUT: BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2480

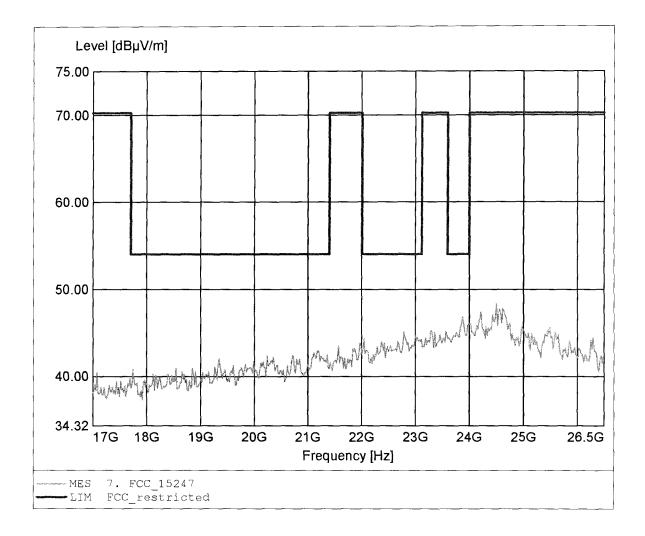
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: HL025, amplif.

Comment 2: Freq: 24.501GHz, Emax: 48.41dBµV/m, RBW: 1MHz



#### Spurious emissions Field Strength

#### FCC RULES PART 15, SUBPART C

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: EUT: BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2480

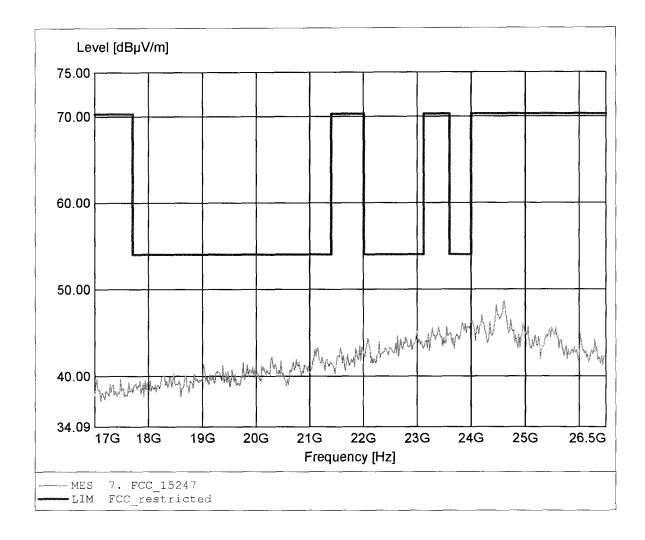
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to \$15.247, peak detector

Comment 1: Dist.: 3m, Ant.: HL025, amplif.

Comment 2: Freq: 24.615GHz, Emax: 48.65dBµV/m, RBW: 1MHz





# Appendix J

Band-edge compliance



## FCC part 15.247 Band-edge compliance of RF conducted emissions

EUT BT Autoradio Hamburg

Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vnom

Test Site / Operator ETS Product Service AG / Mr. Treffke

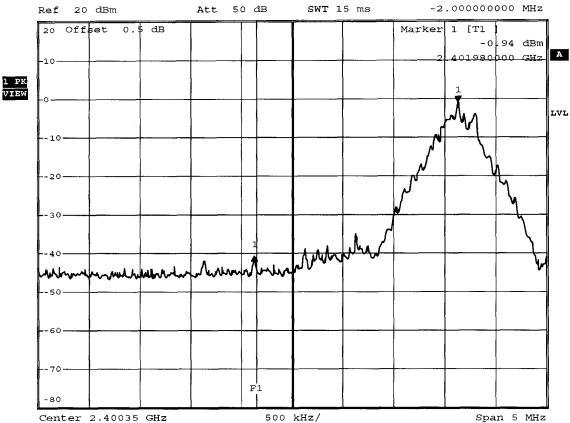
Test Specification FCC part 15 section 247(c)
Comment 1 Band-edge compliance
Comment 2 Channel.: 0 / 2402 MHz
Comment 3 Single frequency mode



\*RBW 30 kHz Delta 1 [T1]

\*VBW 30 kHz

-39.79 dB



Comment: Limit: Marker Delta value >20 dB; Result: PASS Date: 8.FEB.2007 10:27:10



## FCC part 15.247 Band-edge compliance of RF conducted emissions

EUT BT Autoradio Hamburg

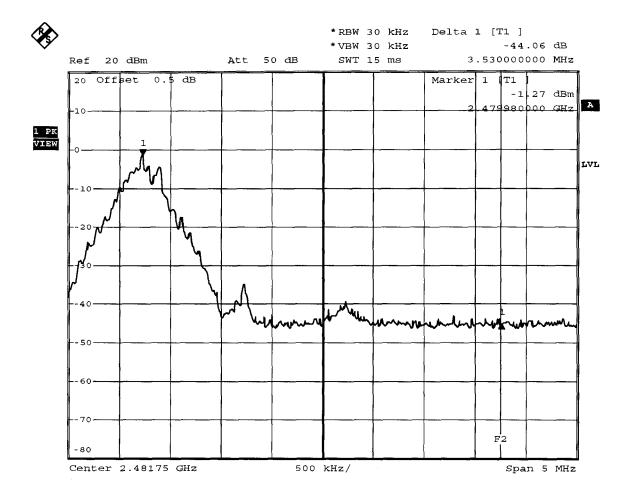
Model MP57

Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vnom

Test Site / Operator ETS Product Service AG / Mr. Treffke

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: 8.FEB.2007 10:40:16



### FCC part 15.247

#### Band-edge compliance of RF conducted emissions

EUT BT Autoradio Hamburg

Model MP57

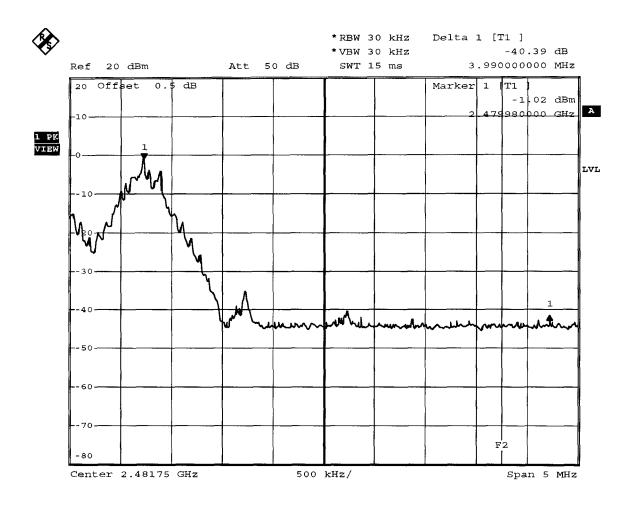
Approval Holder Blaupunkt GmbH CM/FIN12

Temperature / Voltage 25°C / Vnom

Test Site / Operator ETS Product Service AG / Mr. Treffke

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: 8.FEB.2007 11:06:21



#### FCC part 15.247

#### Band-edge compliance of RF conducted emissions

BT Autoradio Hamburg **EUT** 

MP57 Model

Blaupunkt GmbH CM/FIN12 Approval Holder

Temperature / Voltage 25°C / Vnom

ETS Product Service AG / Mr. Treffke Test Site / Operator

FCC part 15 section 247(c) Test Specification Comment 1 Band-edge compliance Channel.: 0 / 2402 MHz Comment 2

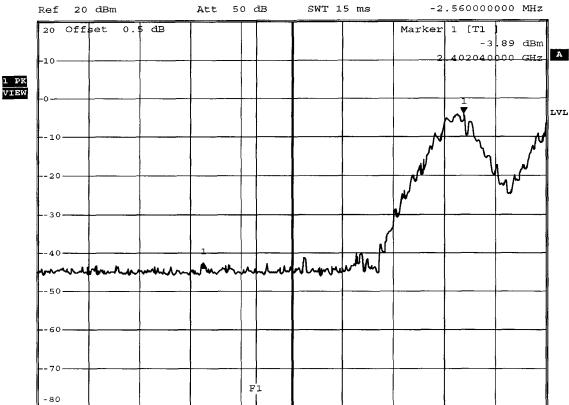
Comment 3 Hopping mode



\*RBW 30 kHz

Delta 1 [T1 ] \*VBW 30 kHz

-38.62 dB



Comment: Limit: Marker Delta value >20 dB; Result: PASS

8.FEB.2007 10:48:47

Center 2.40035 GHz

500 kHz/

Span 5 MHz



# Appendix K

AC power line conducted emissions



## Appendix L

Receiver radiated emissions

#### Standards Industry Canada, RSS-GEN

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

EUT: BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2441

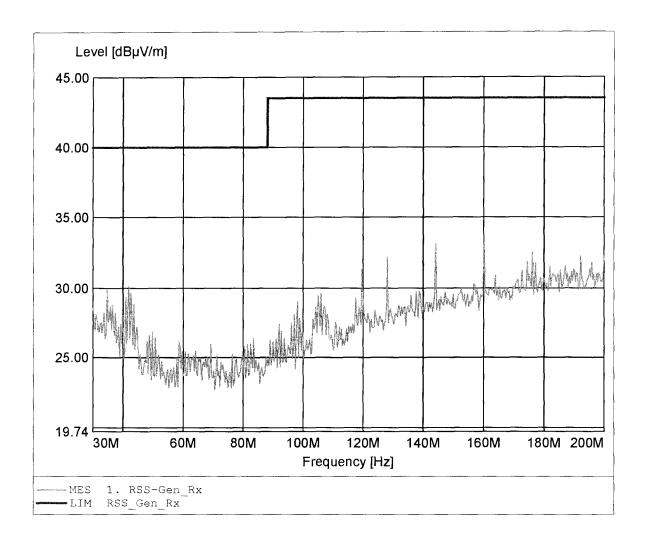
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to RSS-Gen Issue 1

Comment 1: Dist.: 3m, Ant.: HK 116

Comment 2: Freq:160.140MHz Emax:33.98dBµV/m RBW: 100 kHz



#### Standards Industry Canada, RSS-GEN

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

EUT: BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2441

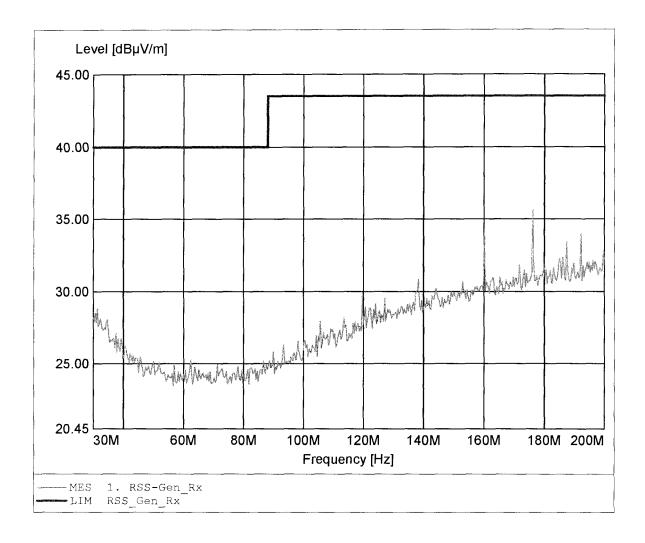
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to RSS-Gen Issue 1

Comment 1: Dist.: 3m, Ant.: HK 116

Comment 2: Freq:176.152MHz Emax:35.63dBµV/m RBW: 100 kHz



#### Standards Industry Canada, RSS-GEN

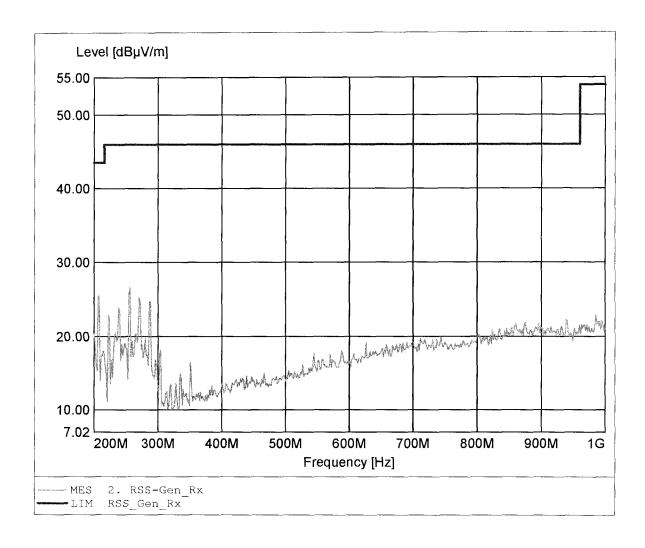
Approval Holder: BLAUPUNKT GmbH CM/FIN12 BT AUTORADIO HAMBURG EUT: / Channel: MP57 2441 Model / Test Site / Operator: ETS

ETS / Mr. Schlaps 25°C / Unom.: 13.20 V DC Test Condition: Test Condition: according to RSS-Gen issue:

Comment 1: Dist.: 3m, Ant.: HL 223, ampl.

112MH7 Emax: 26.61dBpV

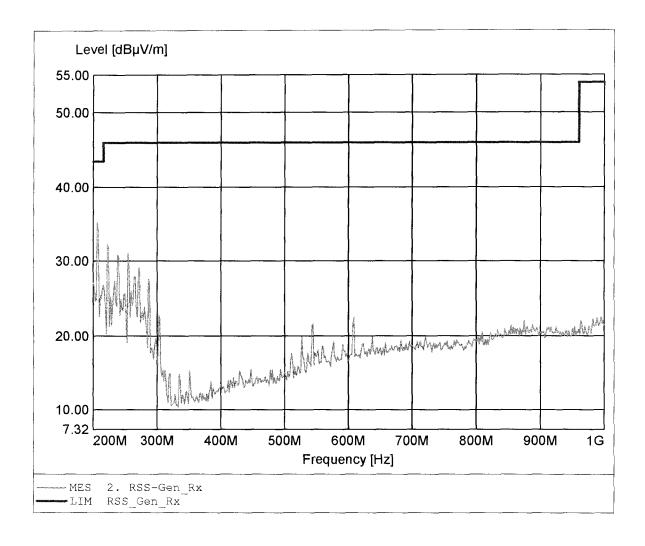
Freq:256.112MHz Emax:26.61dBuV/m RBW: 100 kHz Comment 2:



#### Standards Industry Canada, RSS-GEN

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: / 2441 / Mr. Schlaps / Unom.: 13.20 V DC Channel: MP57 Model Test Site / Operator: ETS

Test Site / Operation: 25°C / Green 
Test Condition: 25°C / according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq: 206.413MHz Emax: 35.14dBµV/m RBW: 100 kHz



#### Standards Industry Canada, RSS-GEN

Approval Holder:

BLAUPUNKT GmbH CM/FIN12

EUT:

BT AUTORADIO HAMBURG

/ Channel: MP57 Model

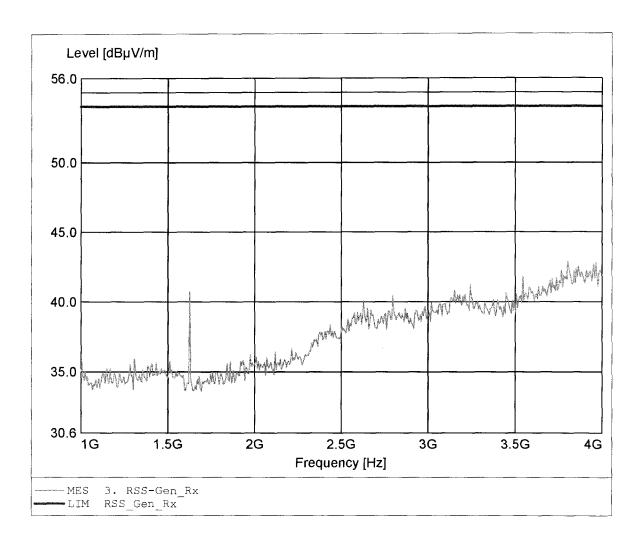
Test Site / Operator: ETS Test Condition:

MP57 / 2441 ETS / Mr. Schlaps 25°C / Unom.: 13.20 V DC

Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.

Comment 2:

Freq:3.802GHz Emax:42.92dBuV/m RBW: 1 MHz



### Standards Industry Canada, RSS-GEN

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2441

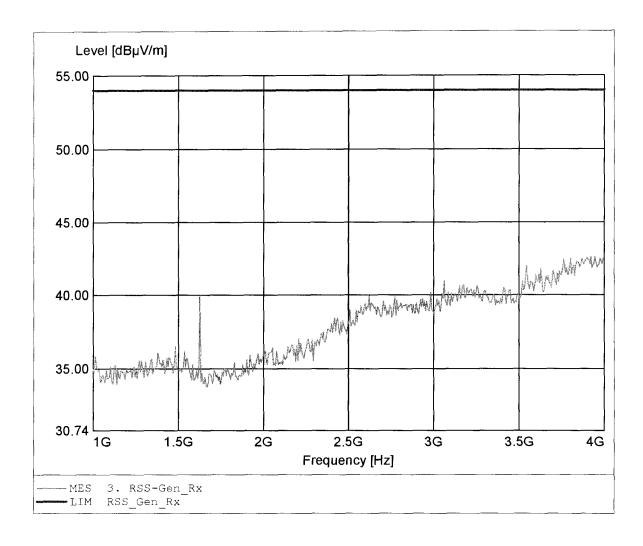
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to RSS-Gen Issue 1

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.

Comment 2: Freq:3.922GHz Emax:42.64dBμV/m RBW: 1 MHz



#### Standards Industry Canada, RSS-GEN

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

EUT: BT AUTORADIO HAMBURG

Model / Channel: MP57 / 2441

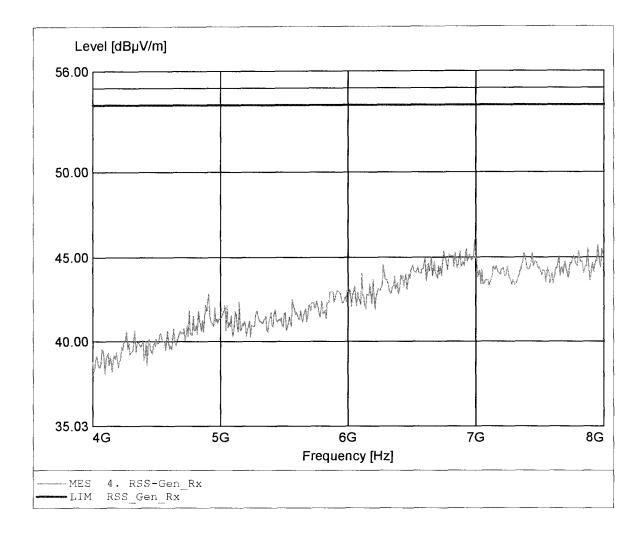
Test Site / Operator: ETS / Mr. Schlaps

Test Condition: 25°C / Unom.: 13.20 V DC

Test Specification: according to RSS-Gen Issue 1

Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.

Comment 2: Freq:6.990GHz Emax:46.05dBµV/m RBW: 1 MHz

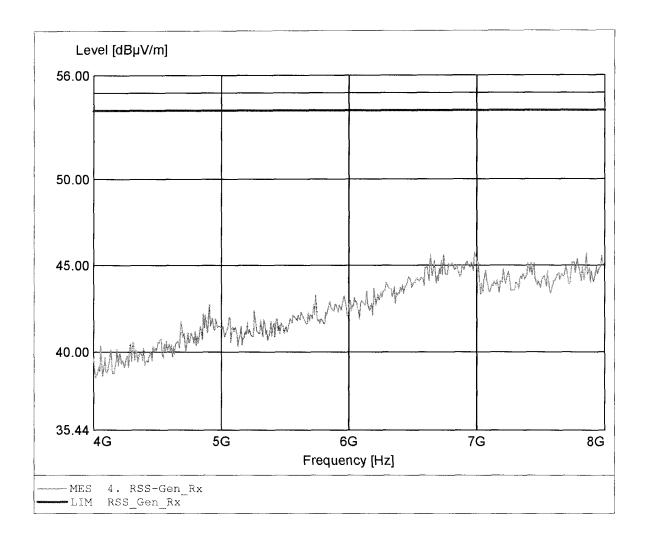


#### Standards Industry Canada, RSS-GEN

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT: / Channel: MP57 / Model 2441

Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:6.982GHz Emax. 45 75dB. 327

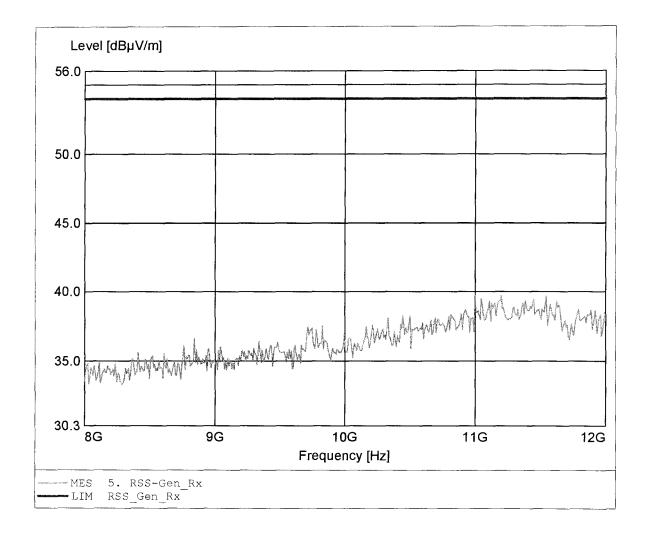
Freq: 6.982GHz Emax: 45.75dBµV/m RBW: 1 MHz



#### Standards Industry Canada, RSS-GEN

BLAUPUNKT GmbH CM/FIN12 Approval Holder: EUT: BT AUTURADIO MARGONIO
Model / Channel: MP57 / 2441
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl. BT AUTORADIO HAMBURG EUT:

Dist.: 3m, Ant.: BDNA3120D, amp.. Freq:10.998GHz Emax:39.85dBuV/m RBW: 1 MHz Comment 2:



#### Standards Industry Canada, RSS-GEN

BLAUPUNKT GmbH CM/FIN12 Approval Holder: BT AUTORADIO HAMBURG EUT:

Model / Channel: MP57 / 2441
Test Site / Operator: ETS / Mr. Schlaps
Test Condition: 25°C / Unom.: 13.20 V DC
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:11.375GHz Emax:39.58dBµV/m RBW: 1 MHz

