

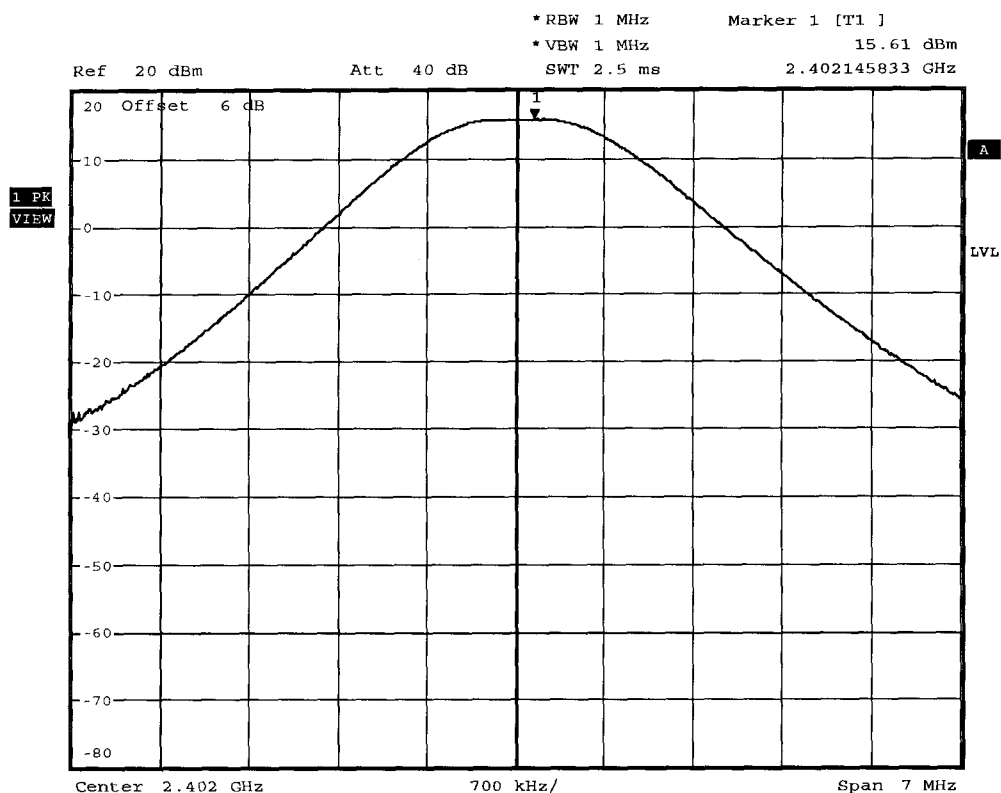
Appendix B

RF power output conducted

FCC part 15.247

Peak output power conducted

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Output power=15.61 dBm; verdict: PASS

Date: 22.DEC.2006 07:45:14

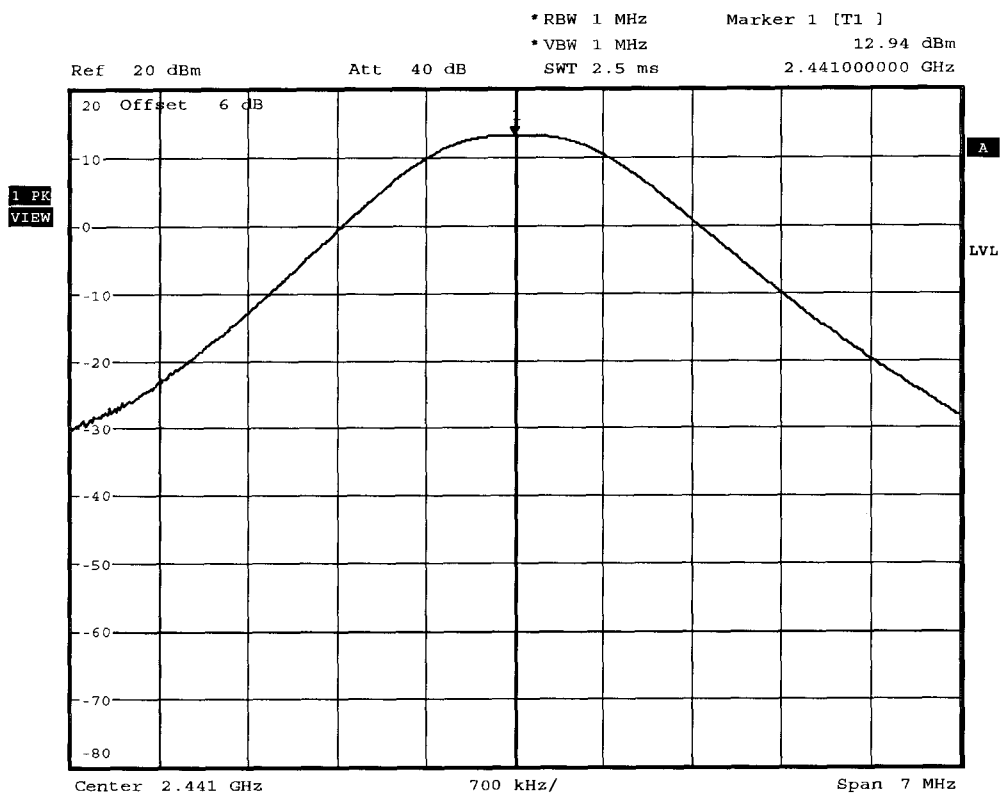
Measurement diagram

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

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FCC part 15.247**Peak output power conducted**

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Output power=12.94 dBm; verdict: PASS

Date: 22.DEC.2006 07:59:39

Measurement diagram

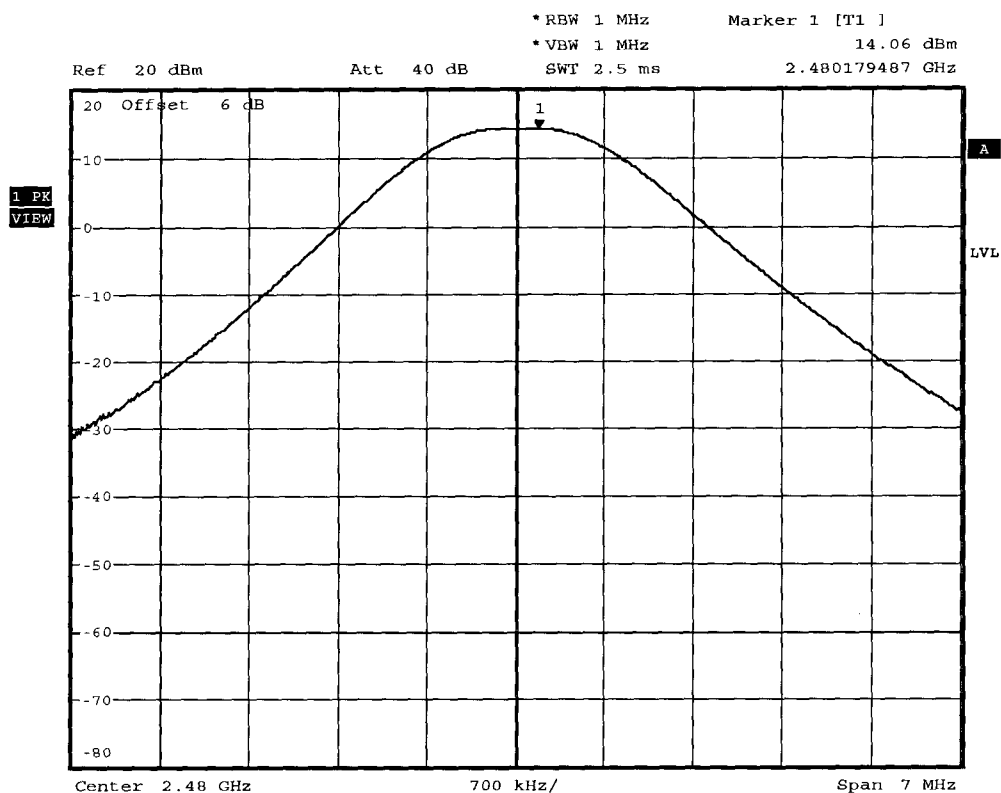
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Peak output power conducted

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Output power=14.06 dBm; verdict: PASS

Date: 22.DEC.2006 08:23:10

Measurement diagram

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

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Appendix C

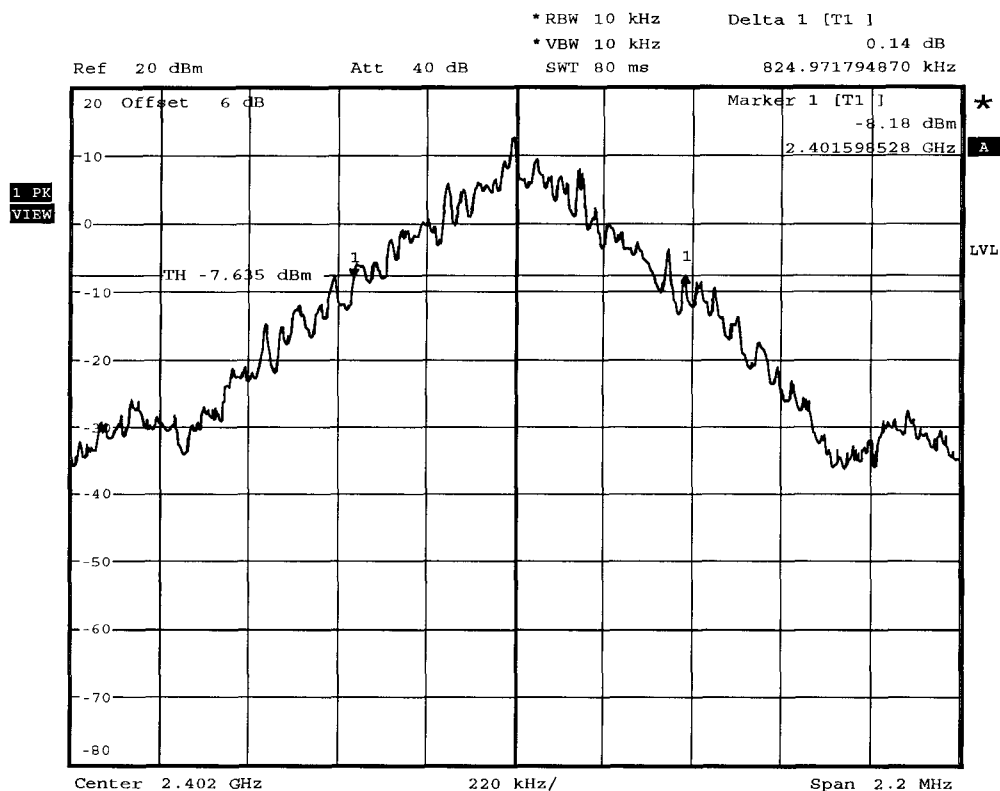
RF power output radiated (EIRP)

Appendix D

20 dB bandwidth

FCC part 15.247
20 dB bandwidth

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



20 dB bandwidth: 825 KHz < 1MHz; verdict: PASS
Date: 22.DEC.2006 08:32:34

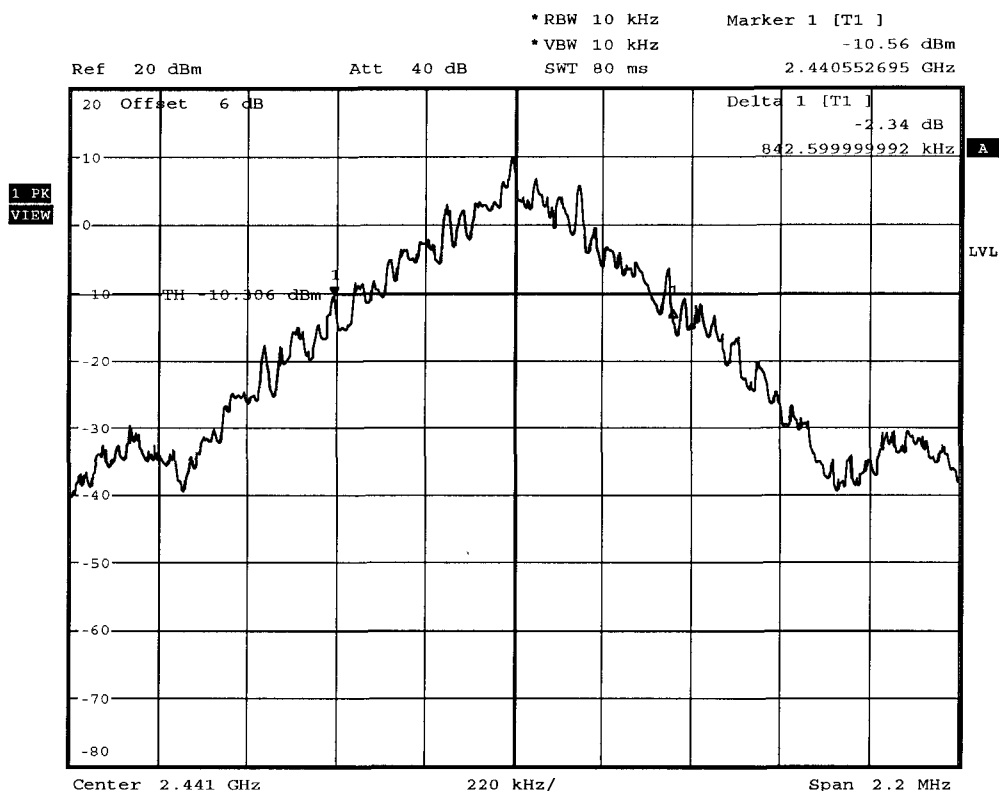
Measurement diagram

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

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FCC part 15.247
20 dB bandwidth

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



20 dB bandwidth: 842.6 KHz < 1MHz; verdict: PASS
Date: 22.DEC.2006 08:34:26

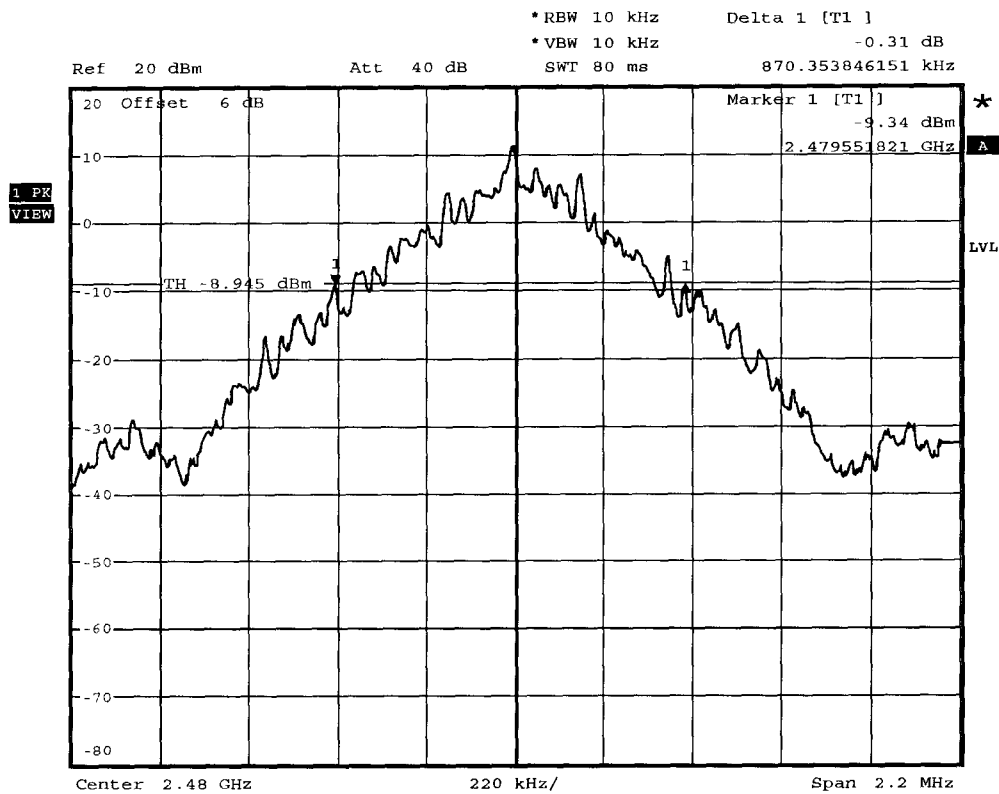
Measurement diagram

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

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FCC part 15.247
20 dB bandwidth

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



20 dB bandwidth: 870.4 KHz < 1MHz; verdict: PASS
Date: 22.DEC.2006 08:56:42

Measurement diagram

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

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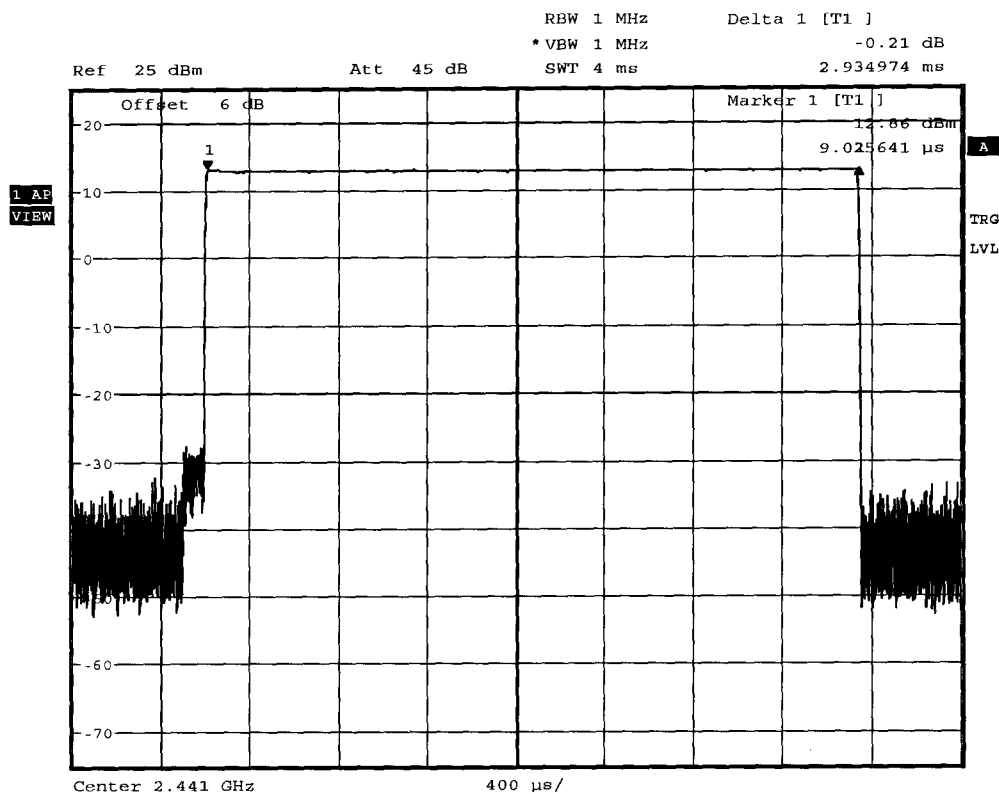
Appendix E

Time of occupancy (dwell time)

FCC part 15.247

Time of occupancy (dwell time)

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
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 * 2.932 ms result: 184.9 ms



Burst length=2.93497 ms

Date: 22.DEC.2006 10:26:28

Measurement diagram

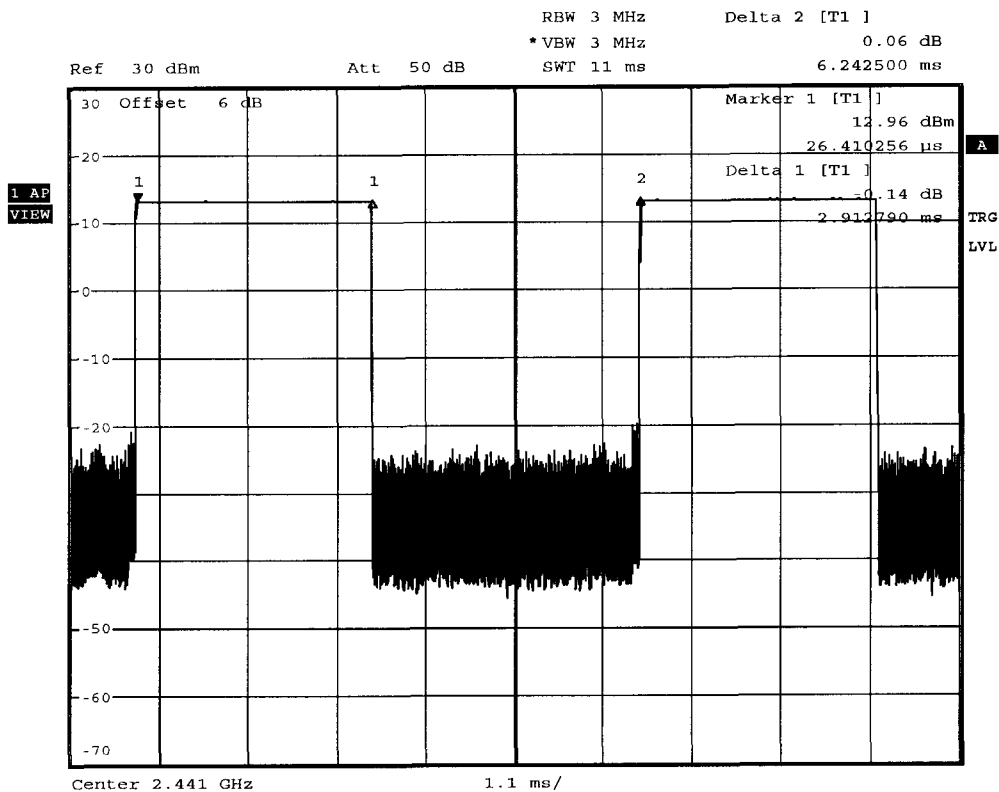
ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Duty cycle

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Duty cycle
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Duty cycle=0.47

Date: 22.DEC.2006 09:02:44

Measurement diagram

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

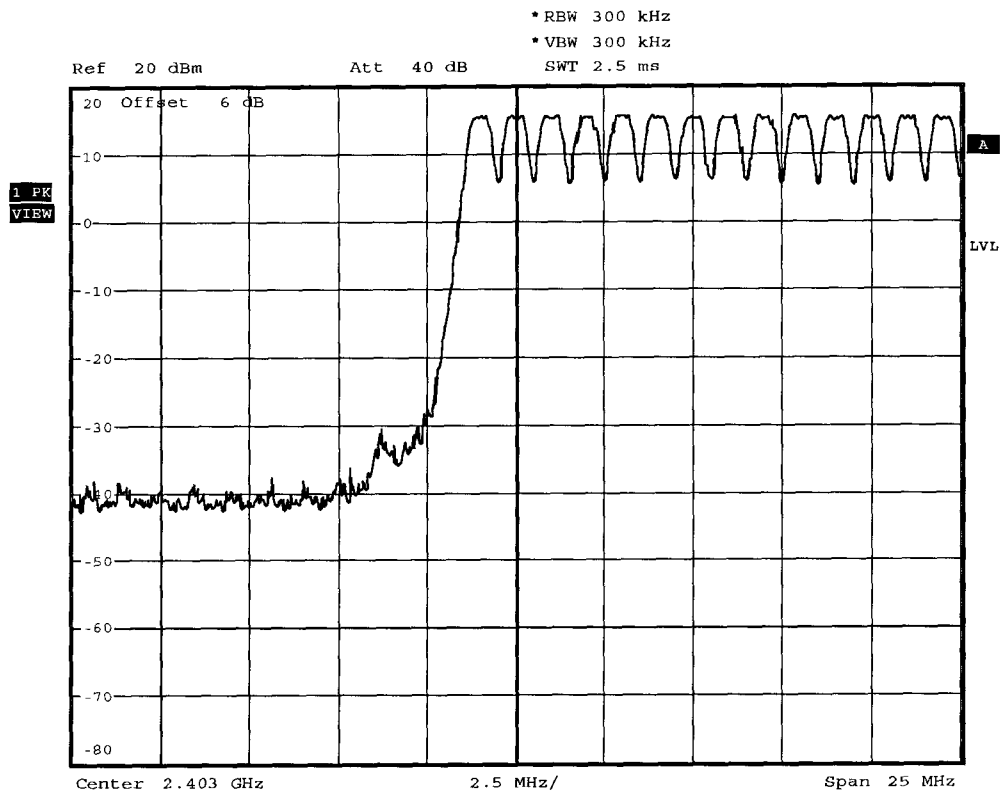
Page 1 of 1

Appendix F

Number of hopping frequencies

FCC part 15.247**Number of hopping frequencies**

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 0-13
Comment 3	



Number of hopping frequencies

Date: 22.DEC.2006 10:36:01

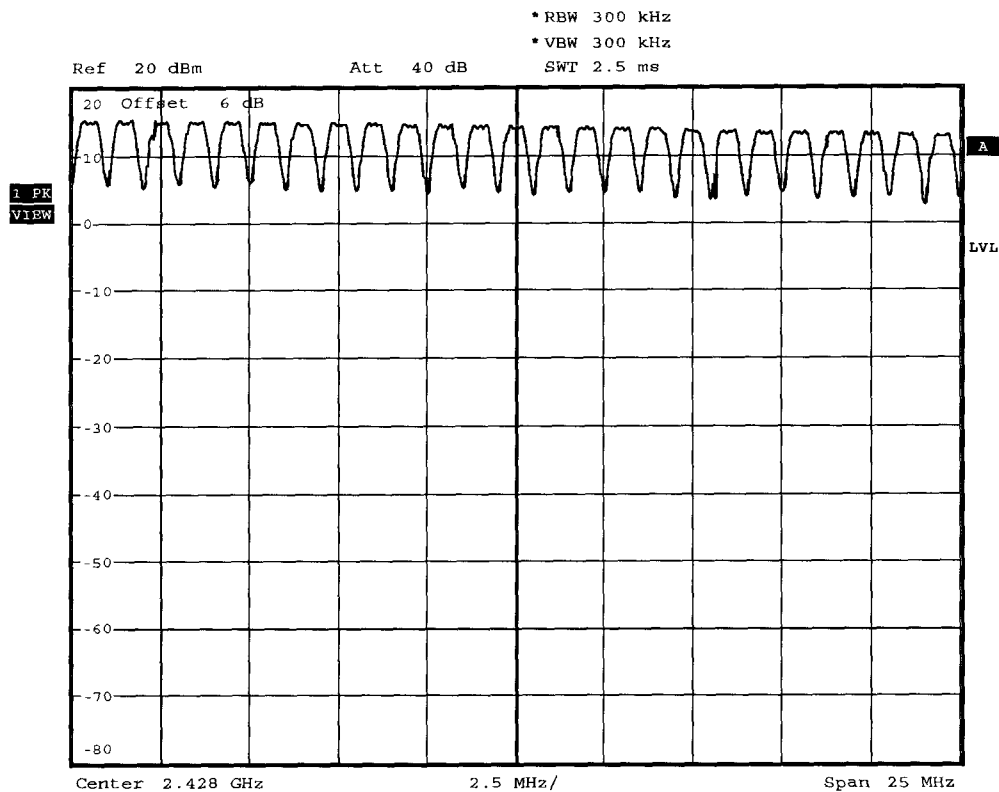
Measurement diagram

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	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
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	



Number of hopping frequencies

Date: 22.DEC.2006 10:37:22

Measurement diagram

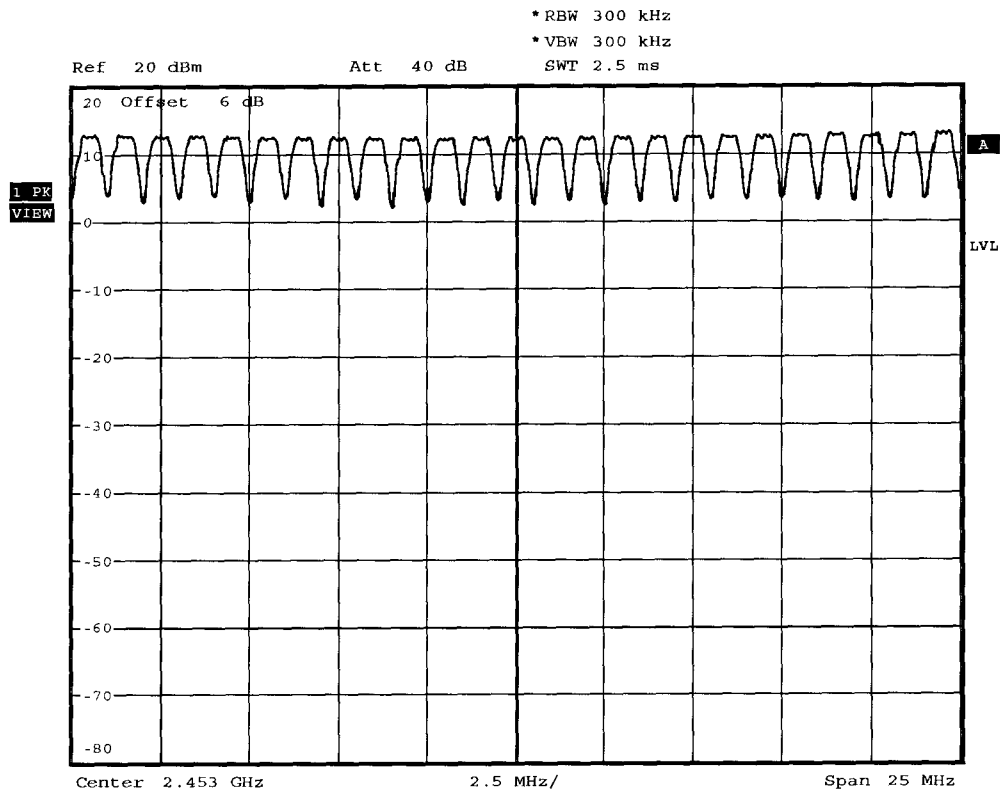
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Number of hopping frequencies

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
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	



Number of hopping frequencies

Date: 22.DEC.2006 10:39:02

Measurement diagram

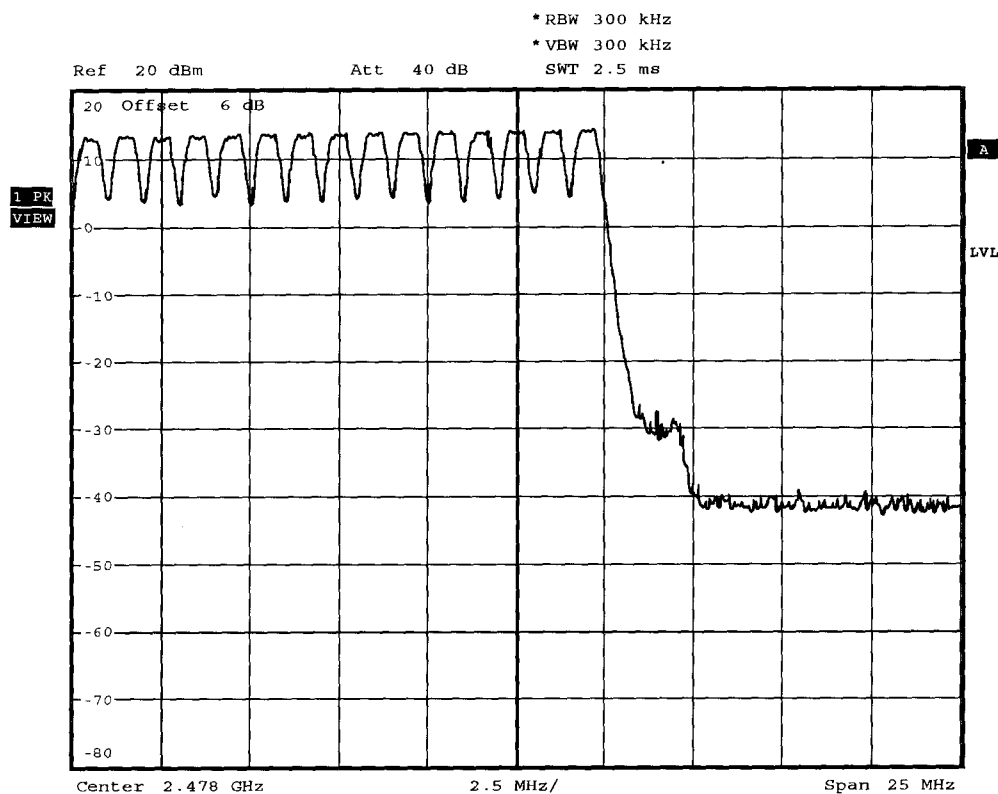
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Number of hopping frequencies

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 64-78
Comment 3	



Number of hopping frequencies

Date: 22.DEC.2006 10:41:09

Measurement diagram

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

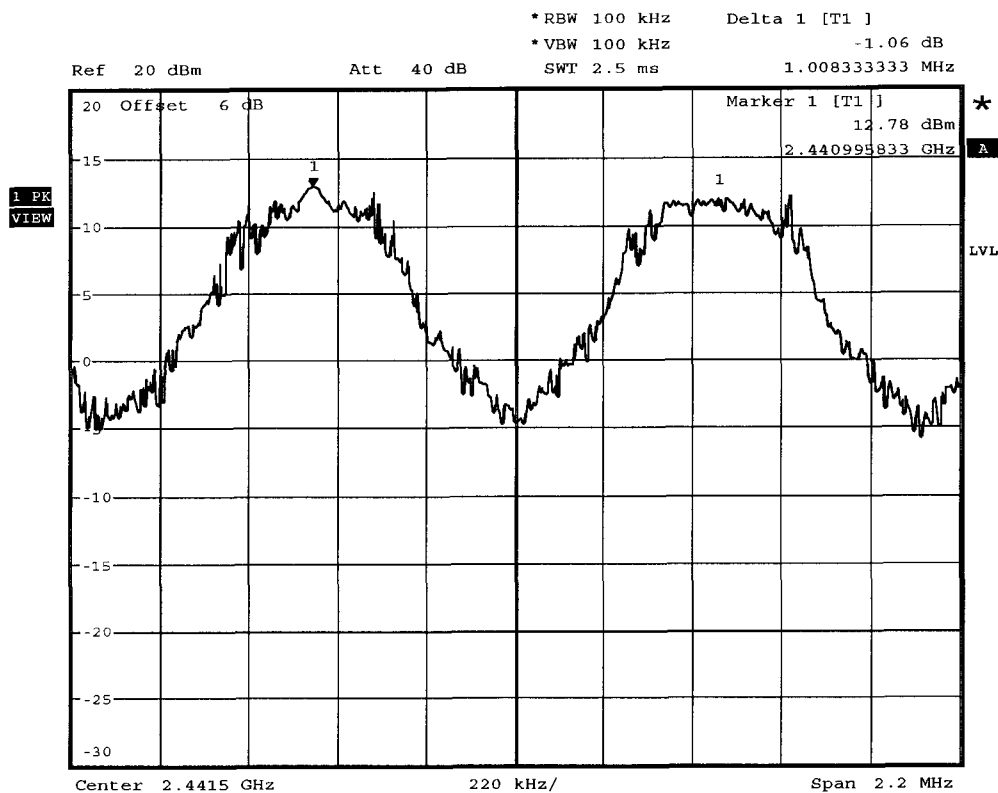
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Appendix G

Carrier frequency separation

FCC part 15.247
Carrier frequency separation

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
Temperature / Voltage	25°C / Vnom
Test Site / Operator	ETS Product Service AG / Mr. Treffke
Test Specification	FCC part 15 section 247(b)
Comment 1	Carrier frequency separation
Comment 2	Channel.: 39/40 / 2441/2442 MHz
Comment 3	Hopping mode



Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass
Date: 22.DEC.2006 09:00:09

Measurement diagram

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

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Appendix H

Spurious emission conducted

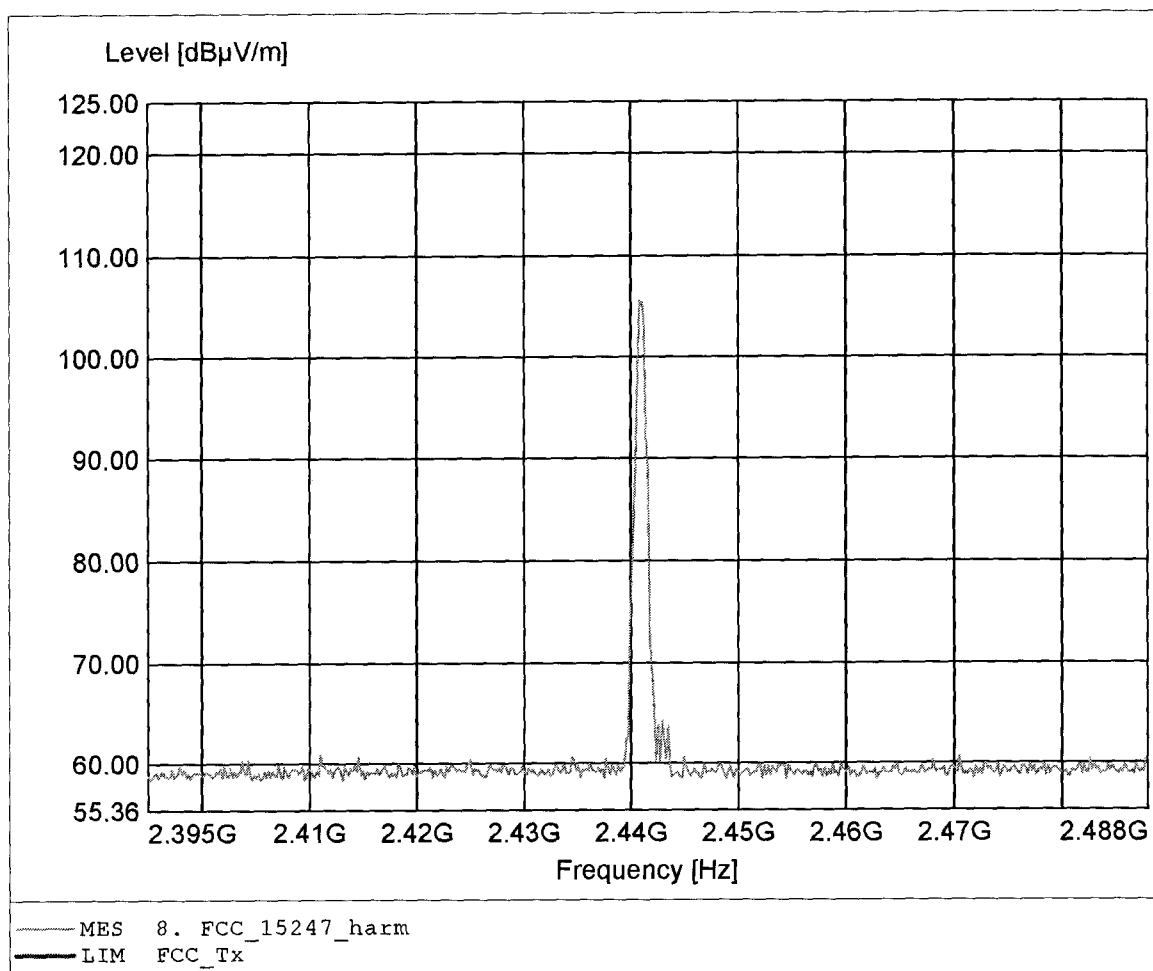
Appendix I

Spurious emission radiated

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

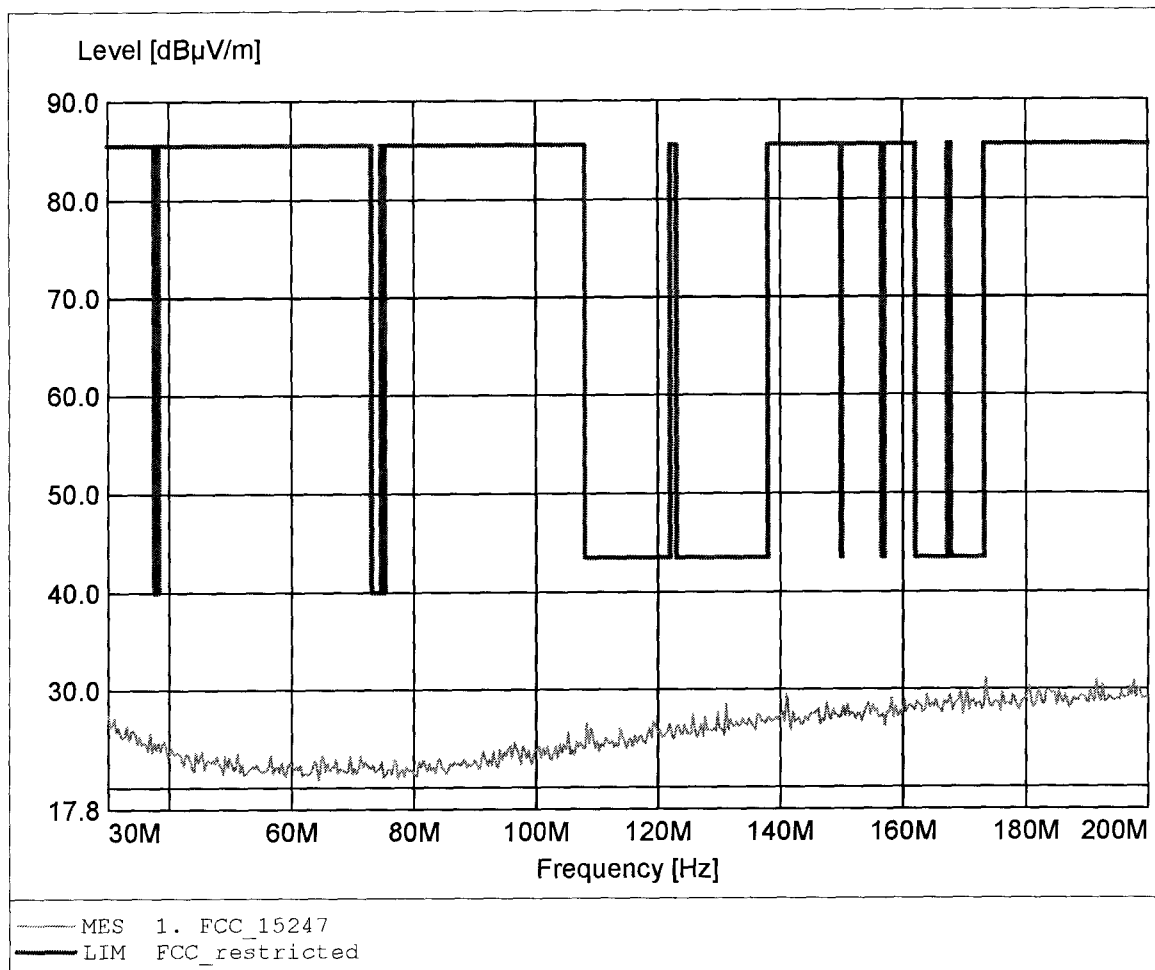
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Emax: 105.59dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

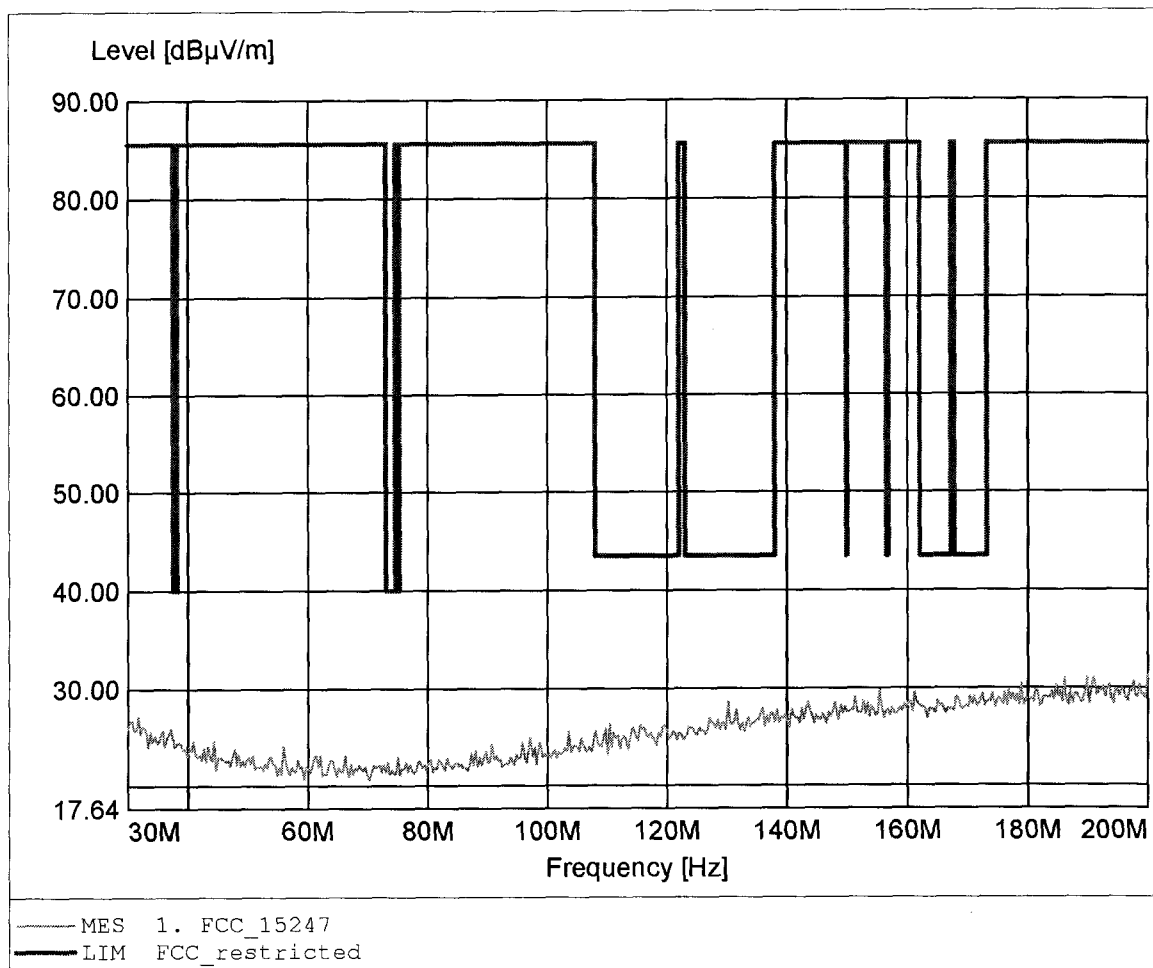
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 173.427MHz, Emax: 31.05dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

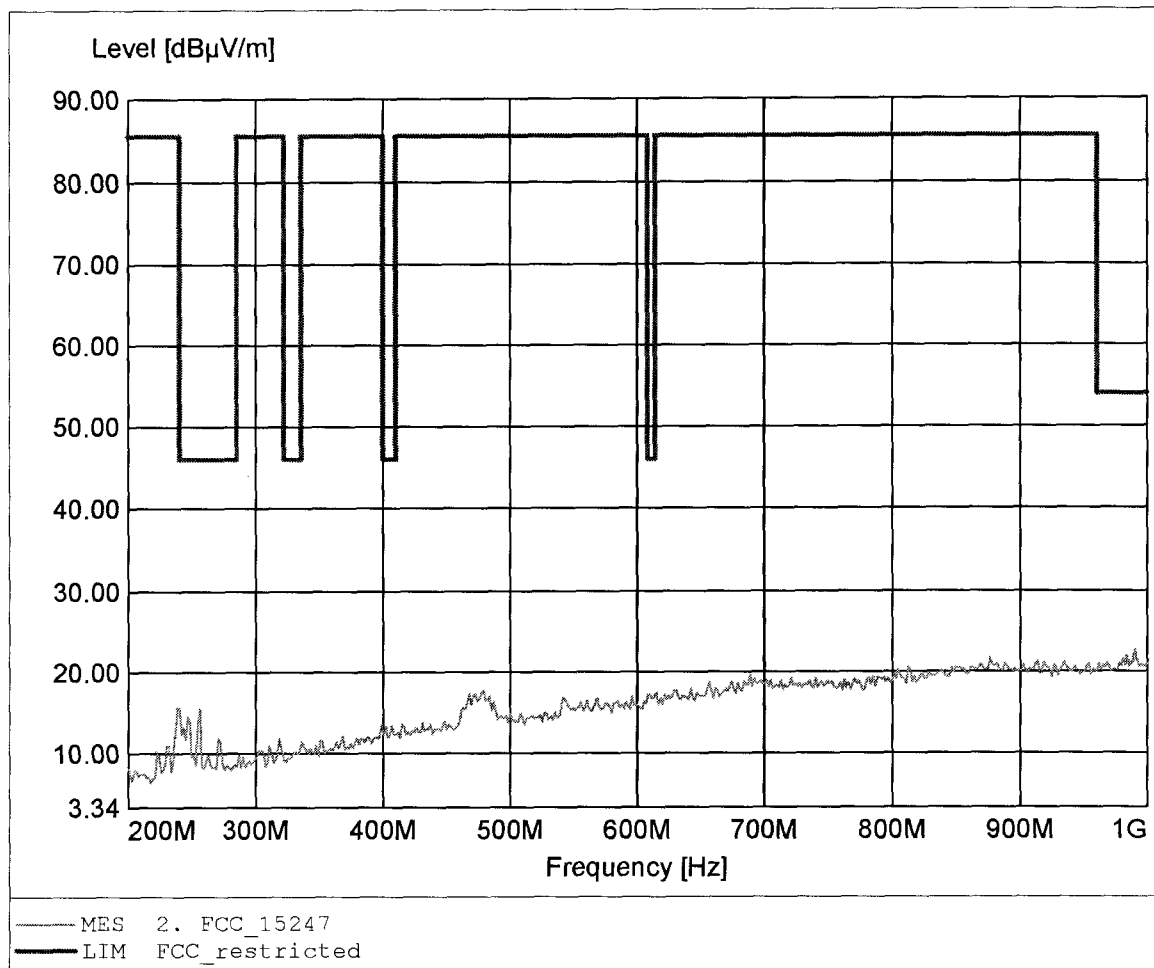
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Emax: 31.37dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

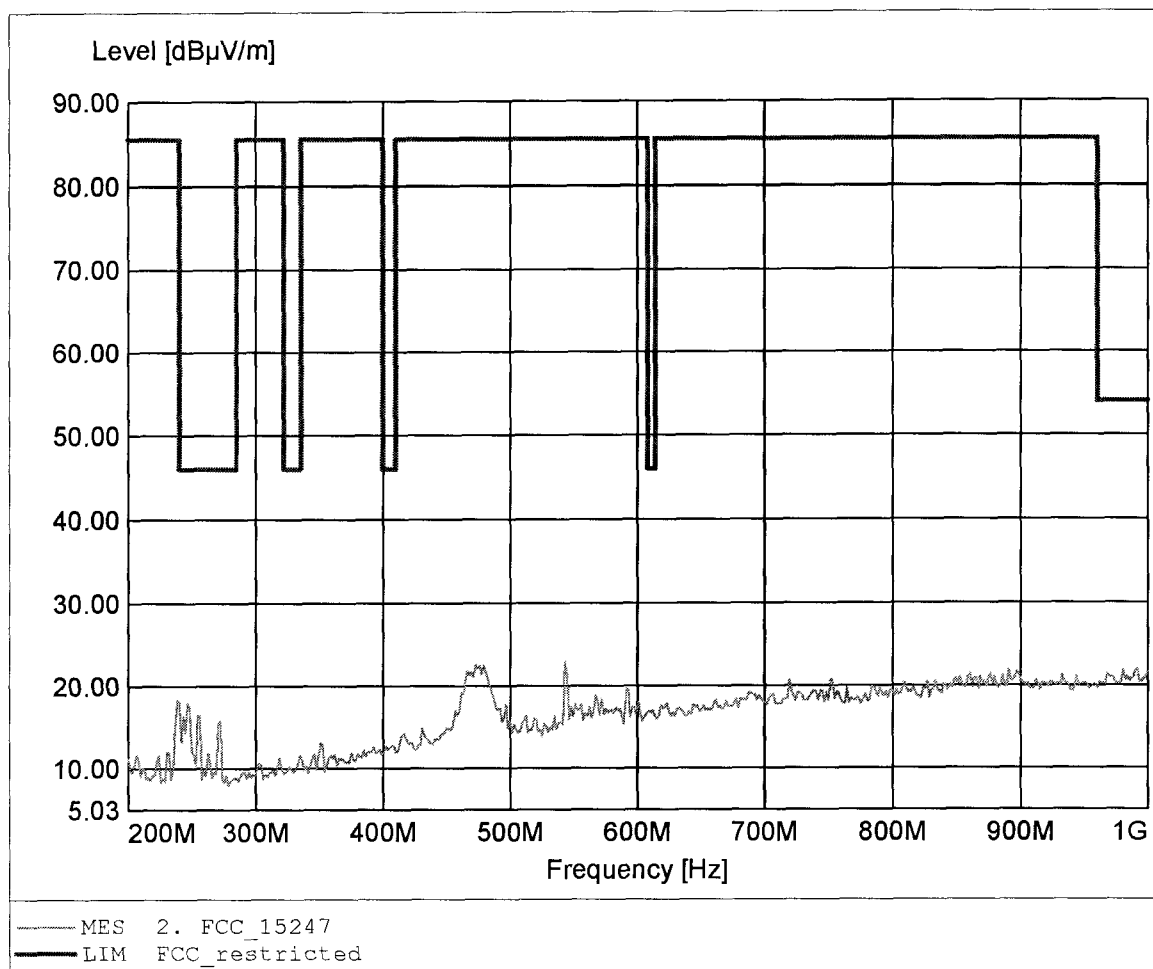
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 990.381MHz, Emax: 22.79dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

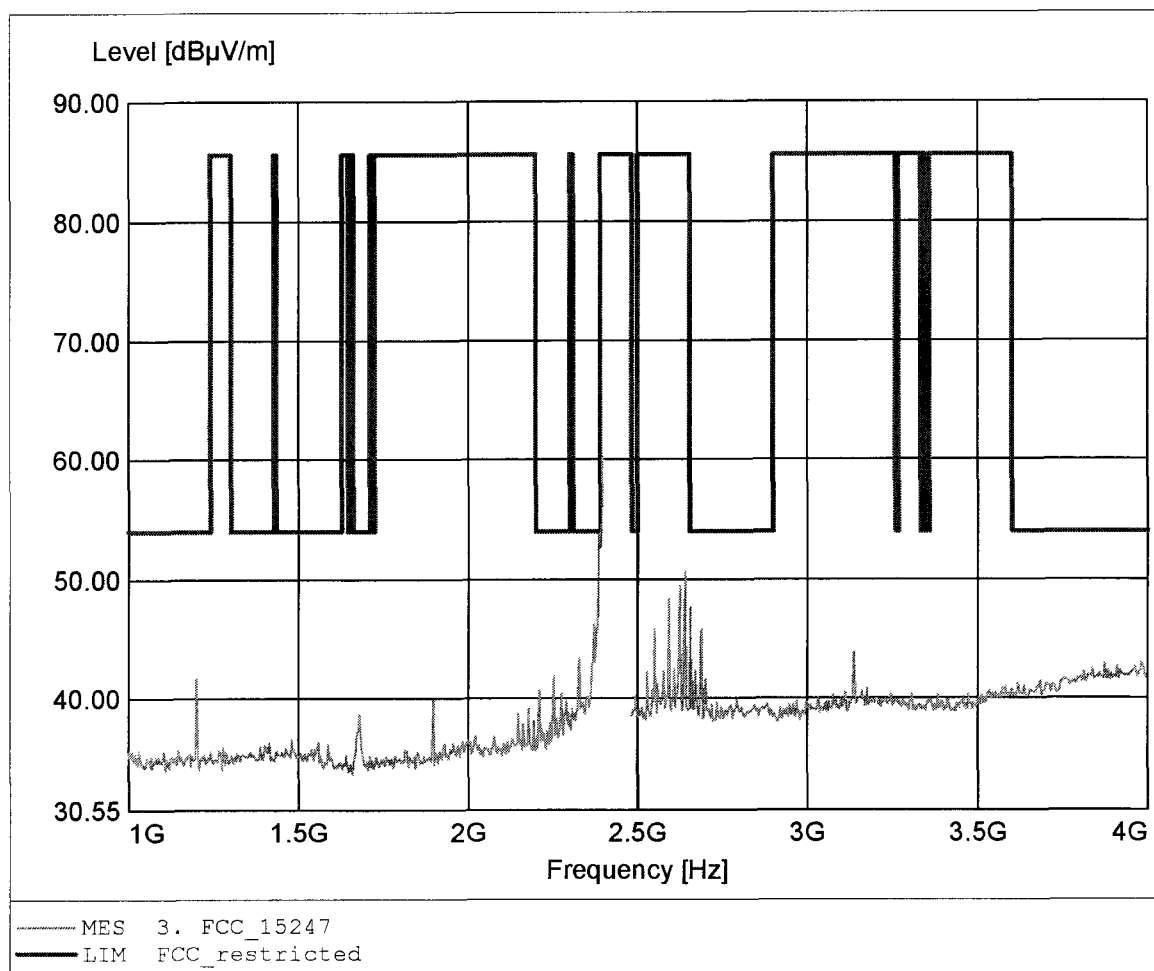
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 543.086MHz, Emax: 22.93dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

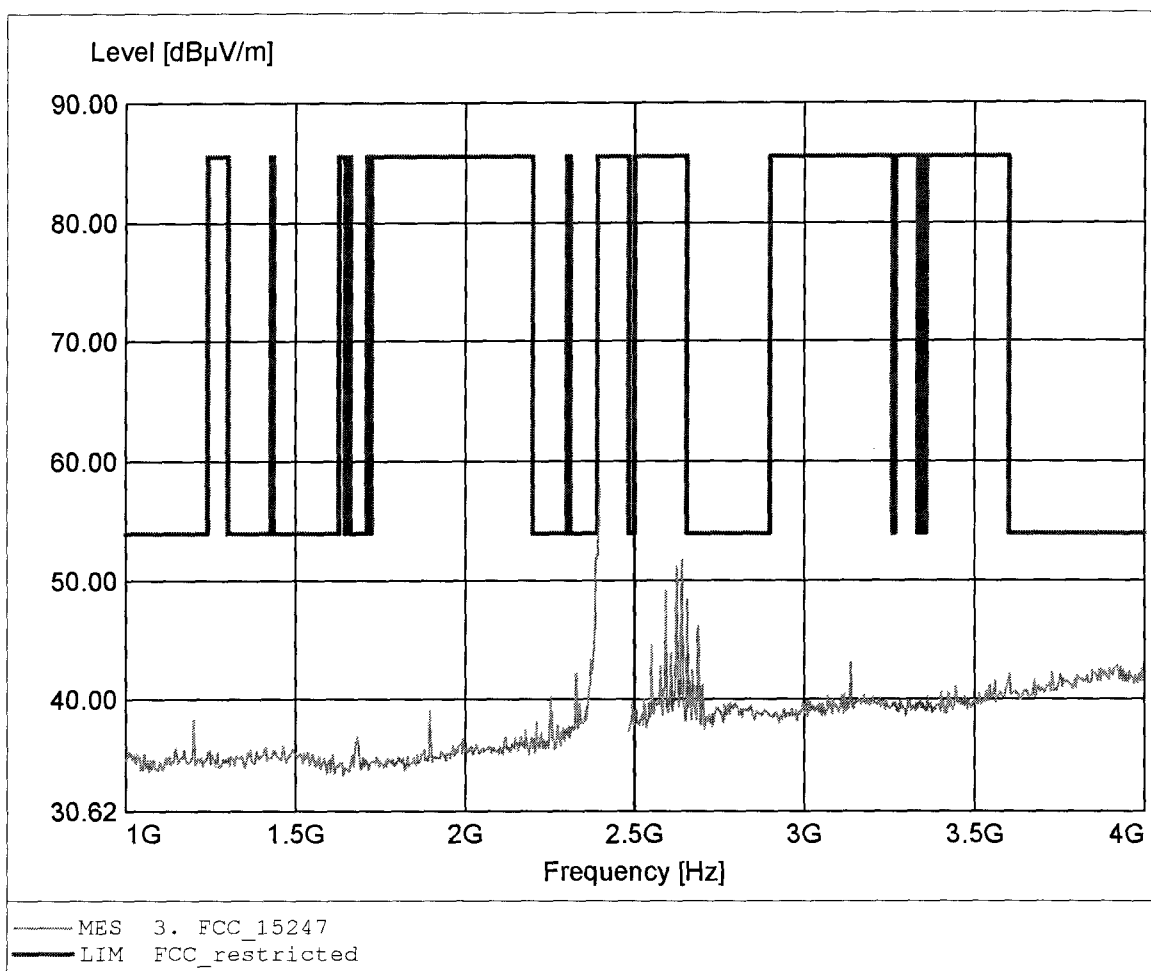
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 60.20dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

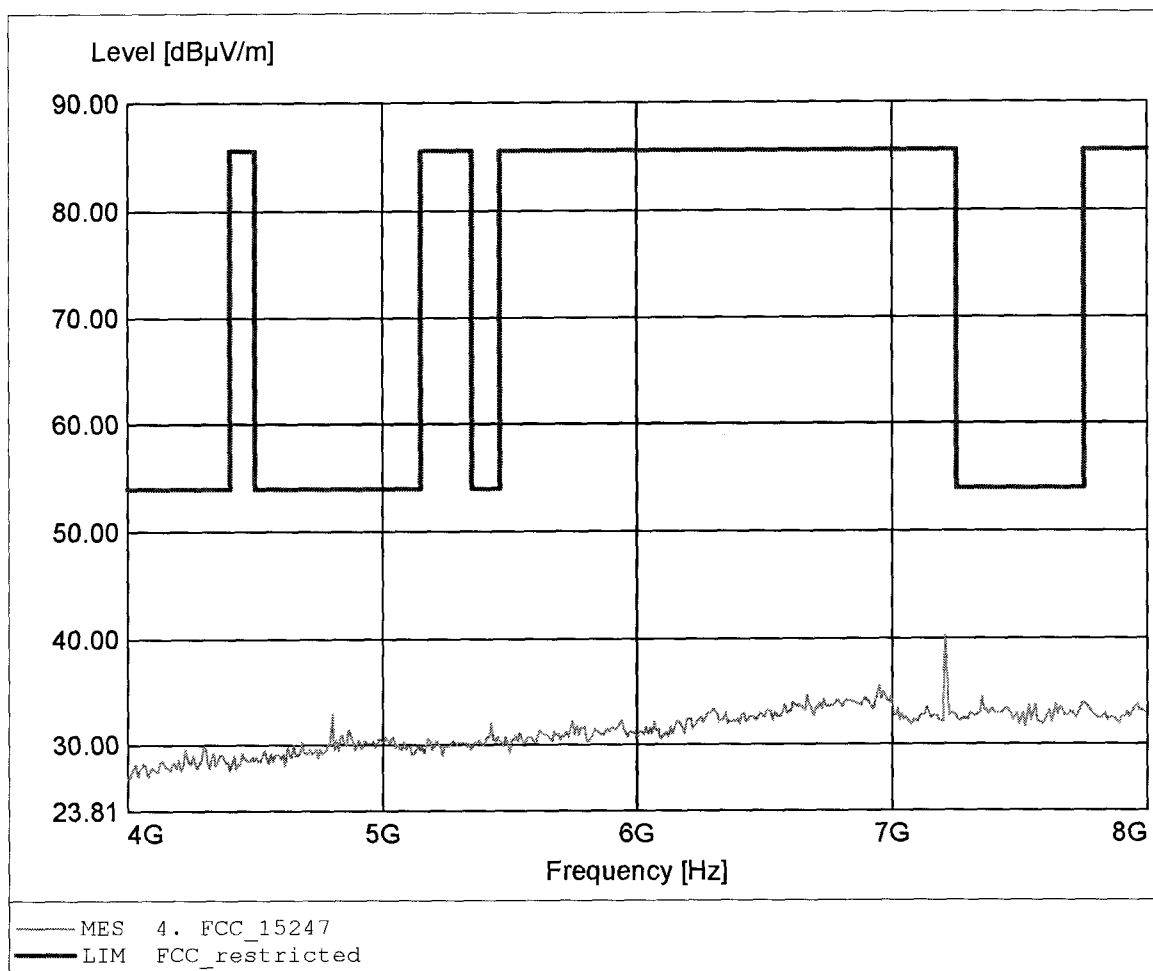
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 57.80dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

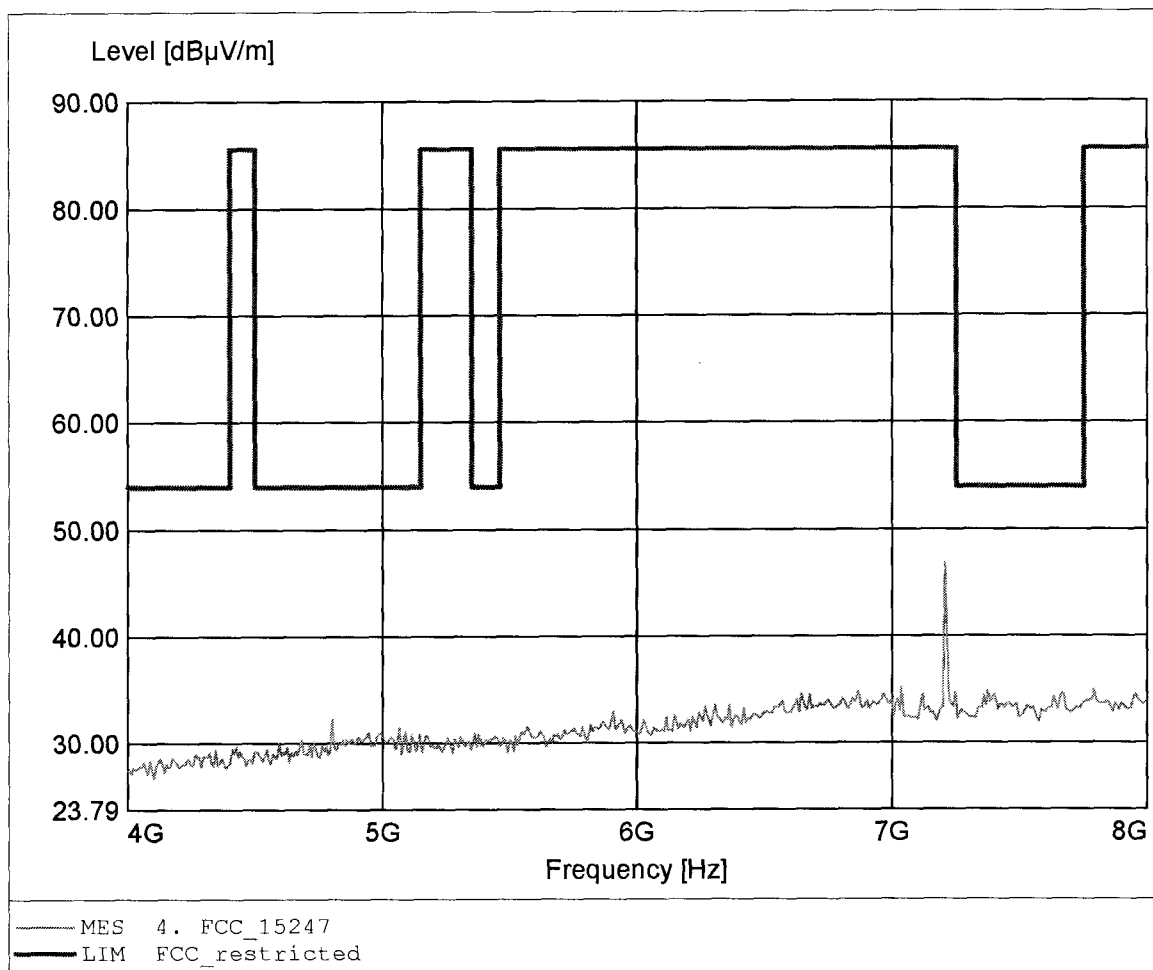
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.206GHz, Emax: 40.25dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

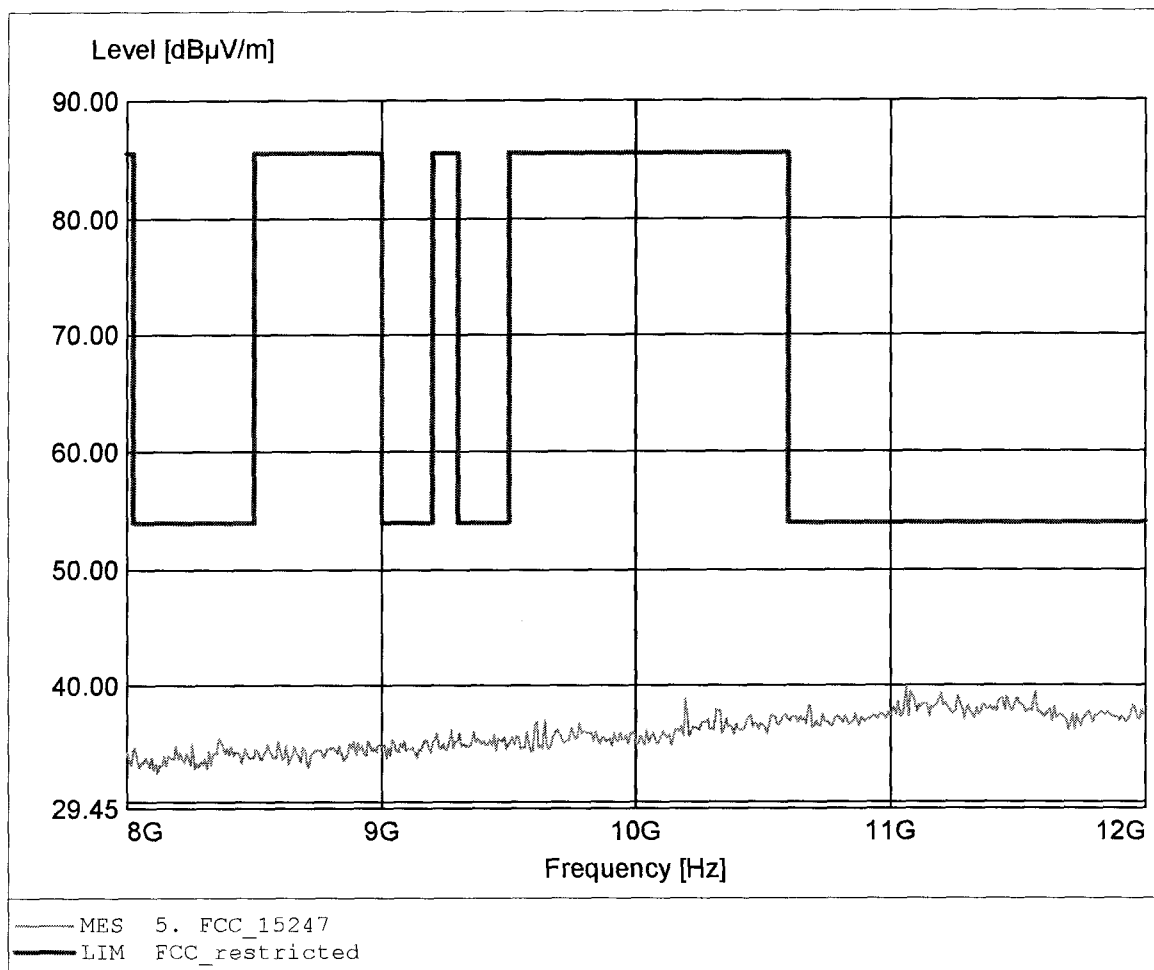
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.206GHz, Emax: 46.85dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

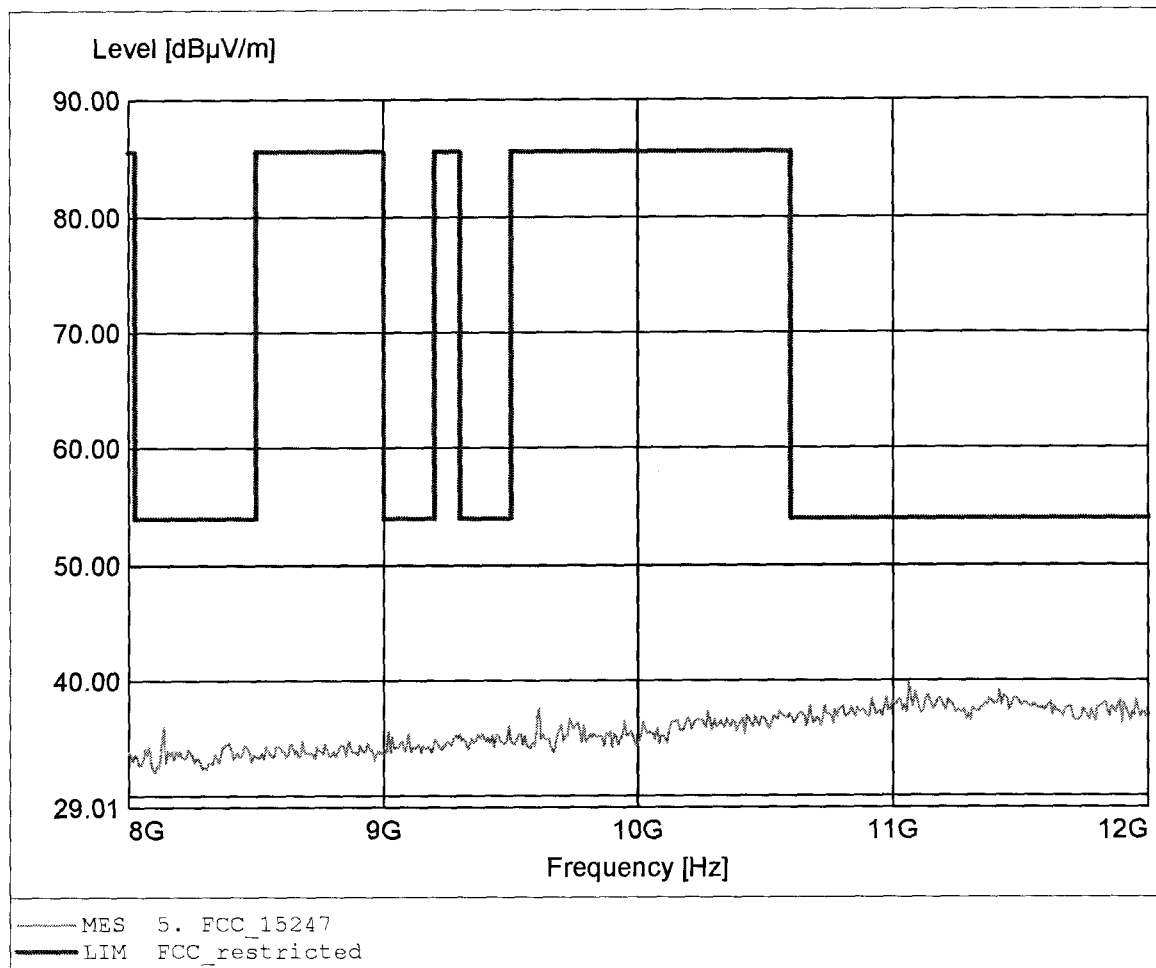
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.062GHz, Emax: 39.91dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

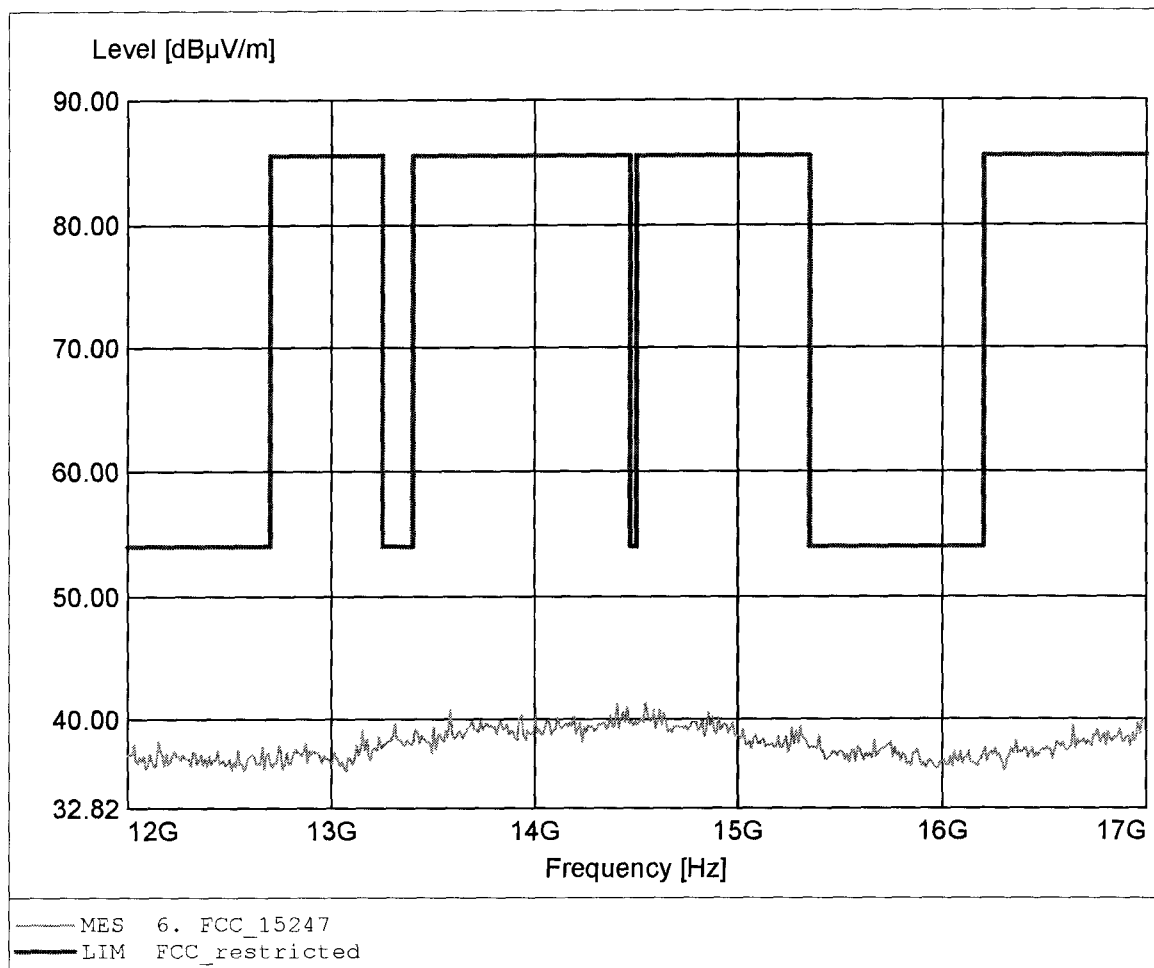
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.062GHz, Emax: 39.74dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

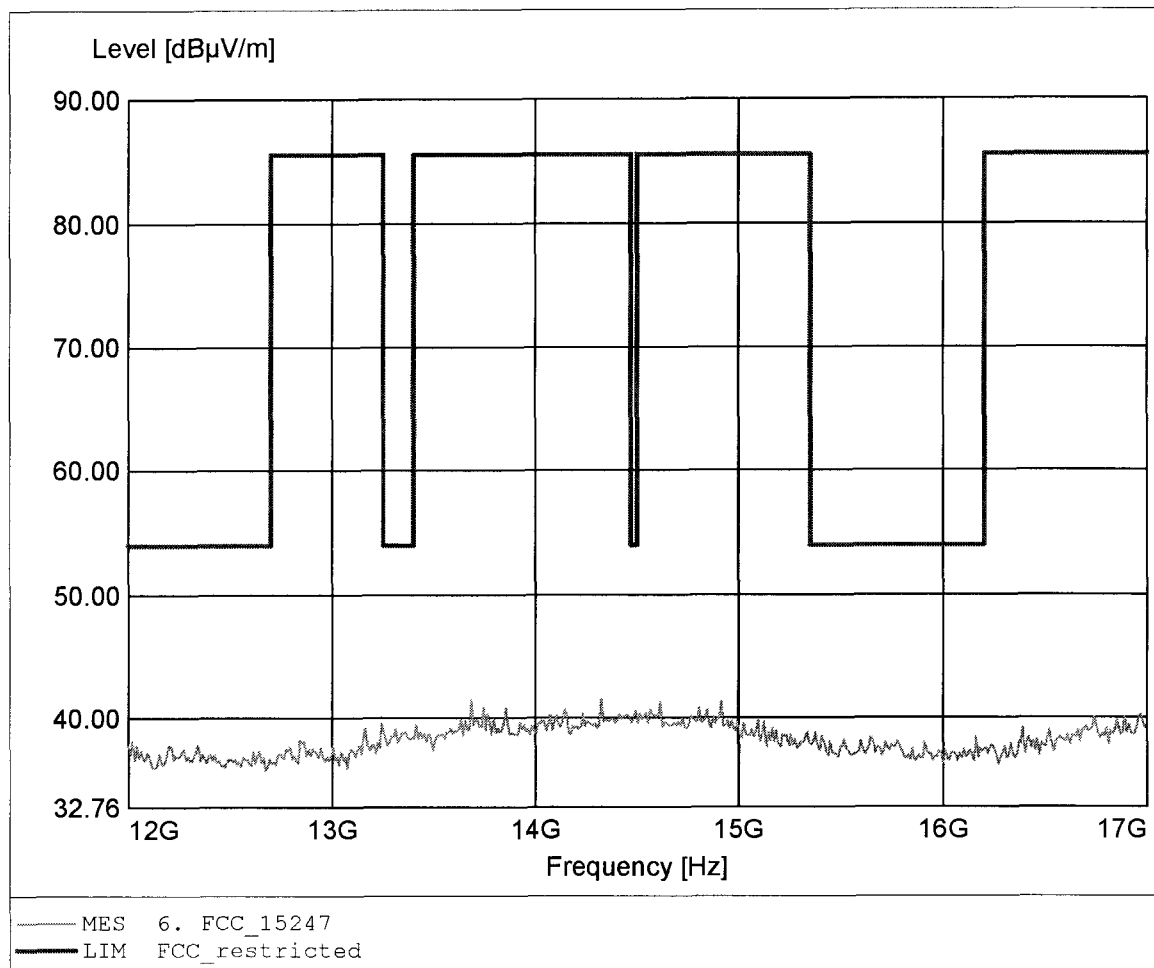
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.545GHz, Emax: 41.36dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

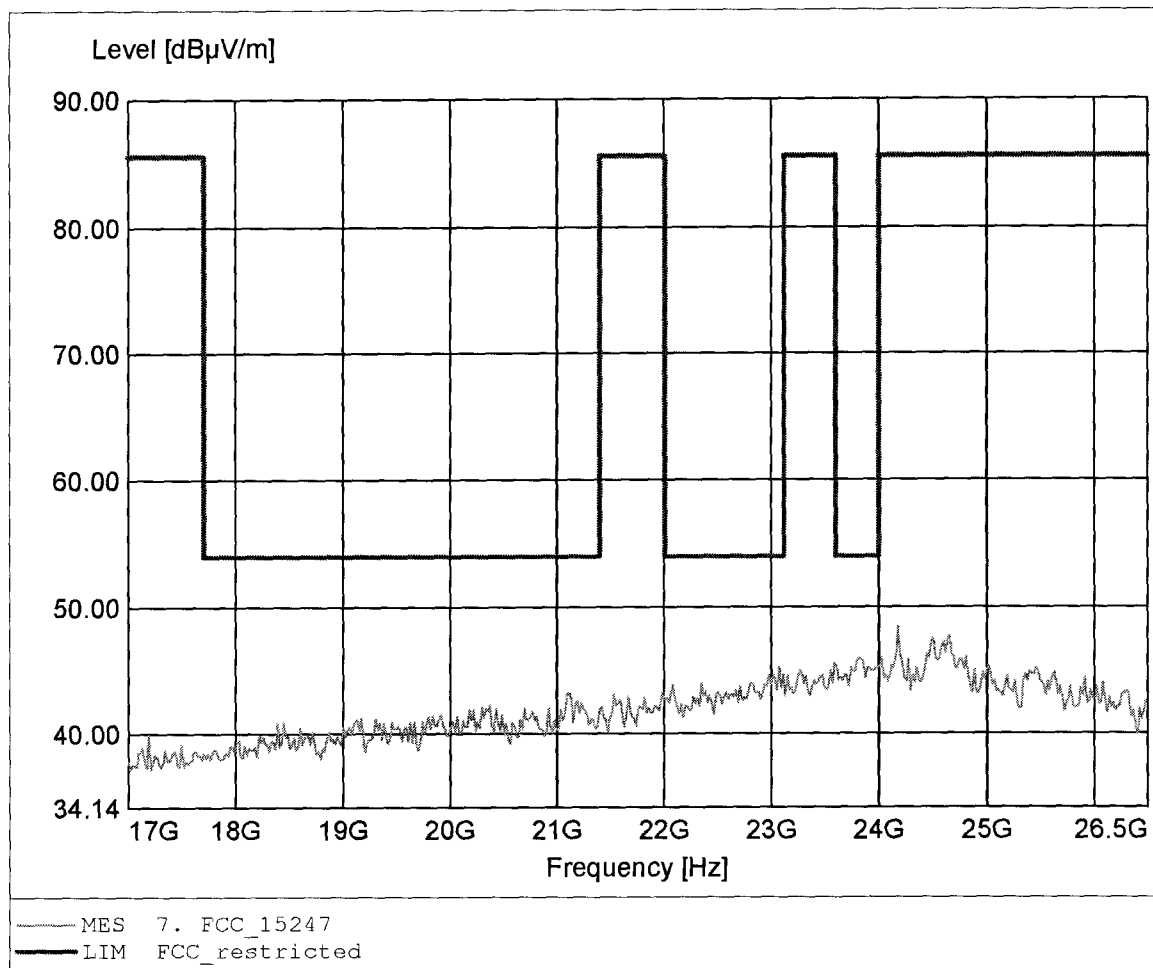
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.325GHz, Emax: 41.54dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

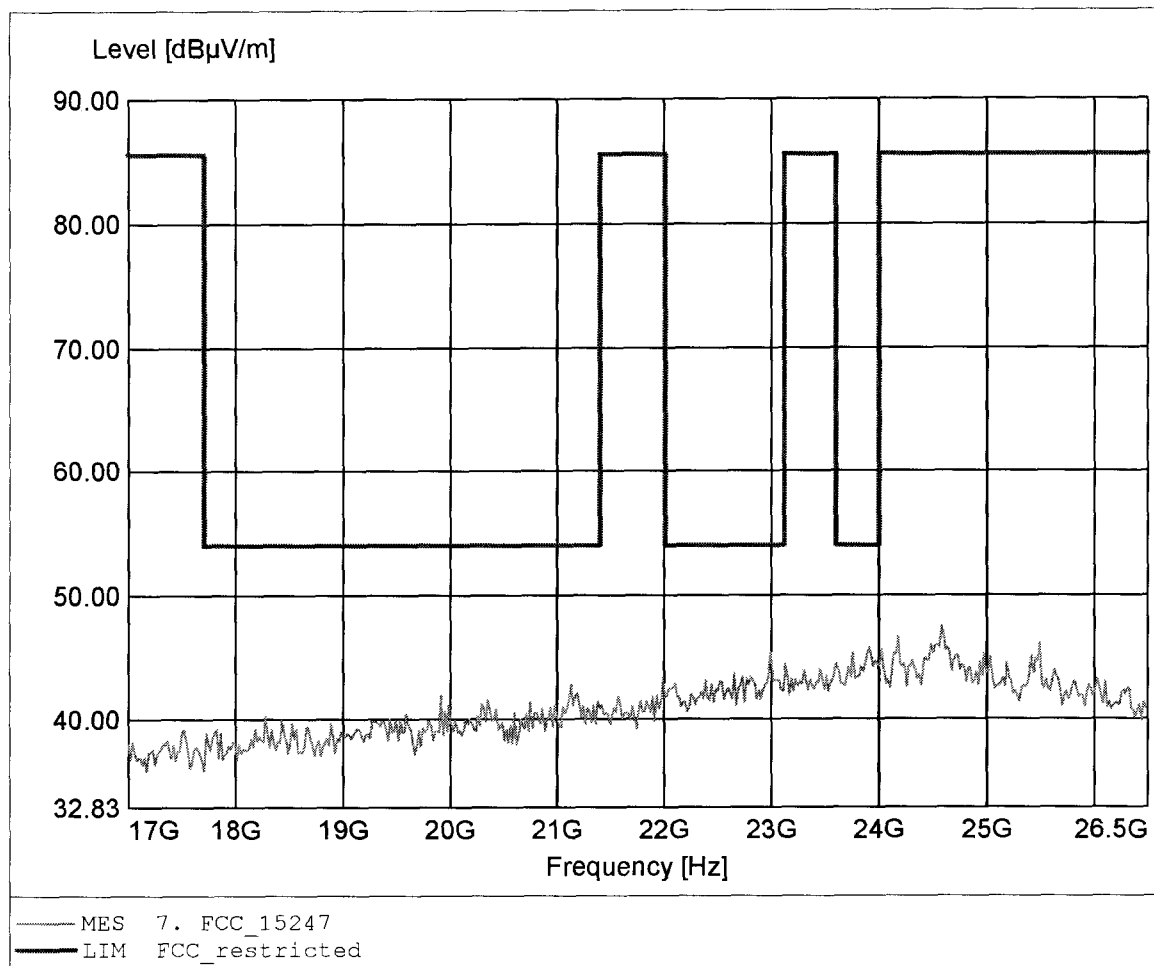
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.177GHz, Emax: 48.42dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

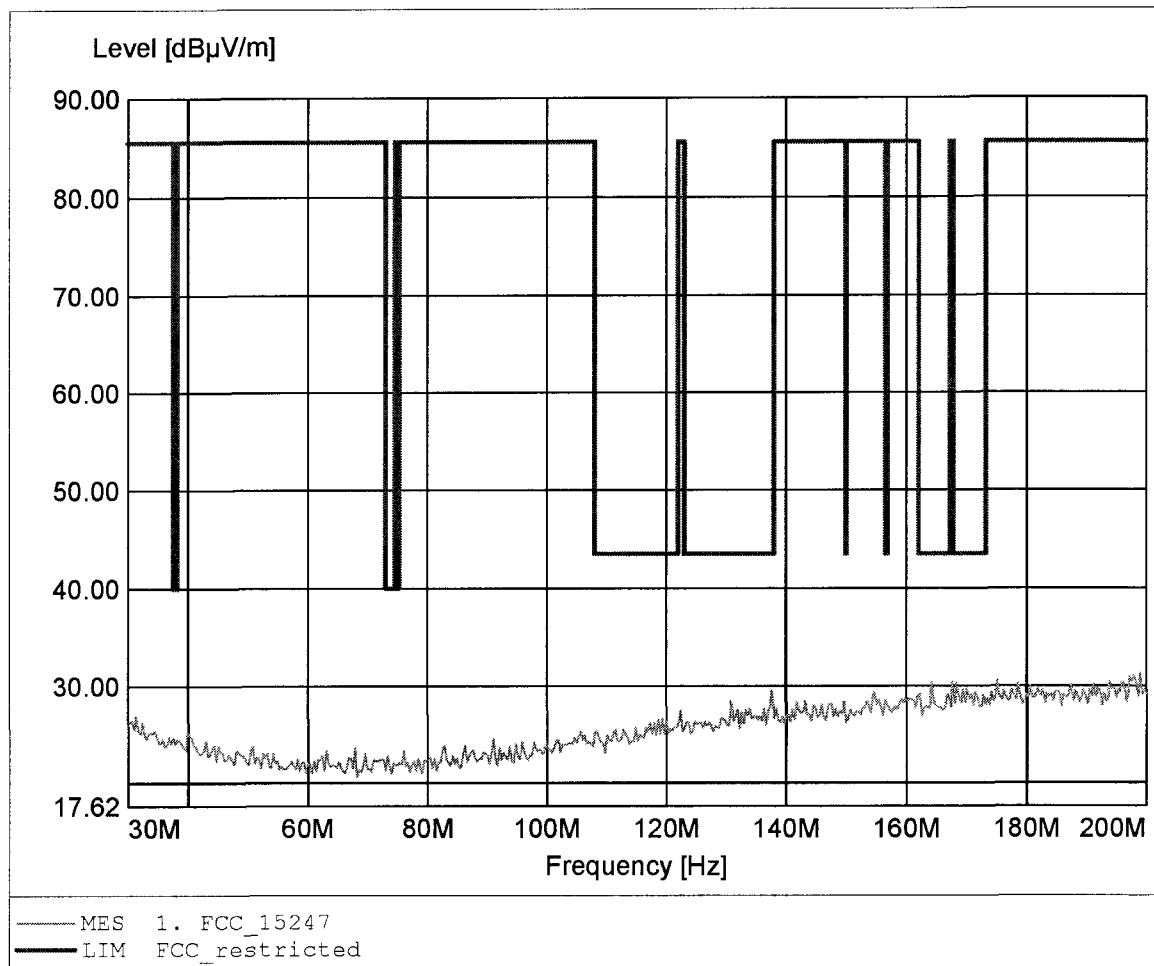
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2402 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.577GHz, Emax: 47.49dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

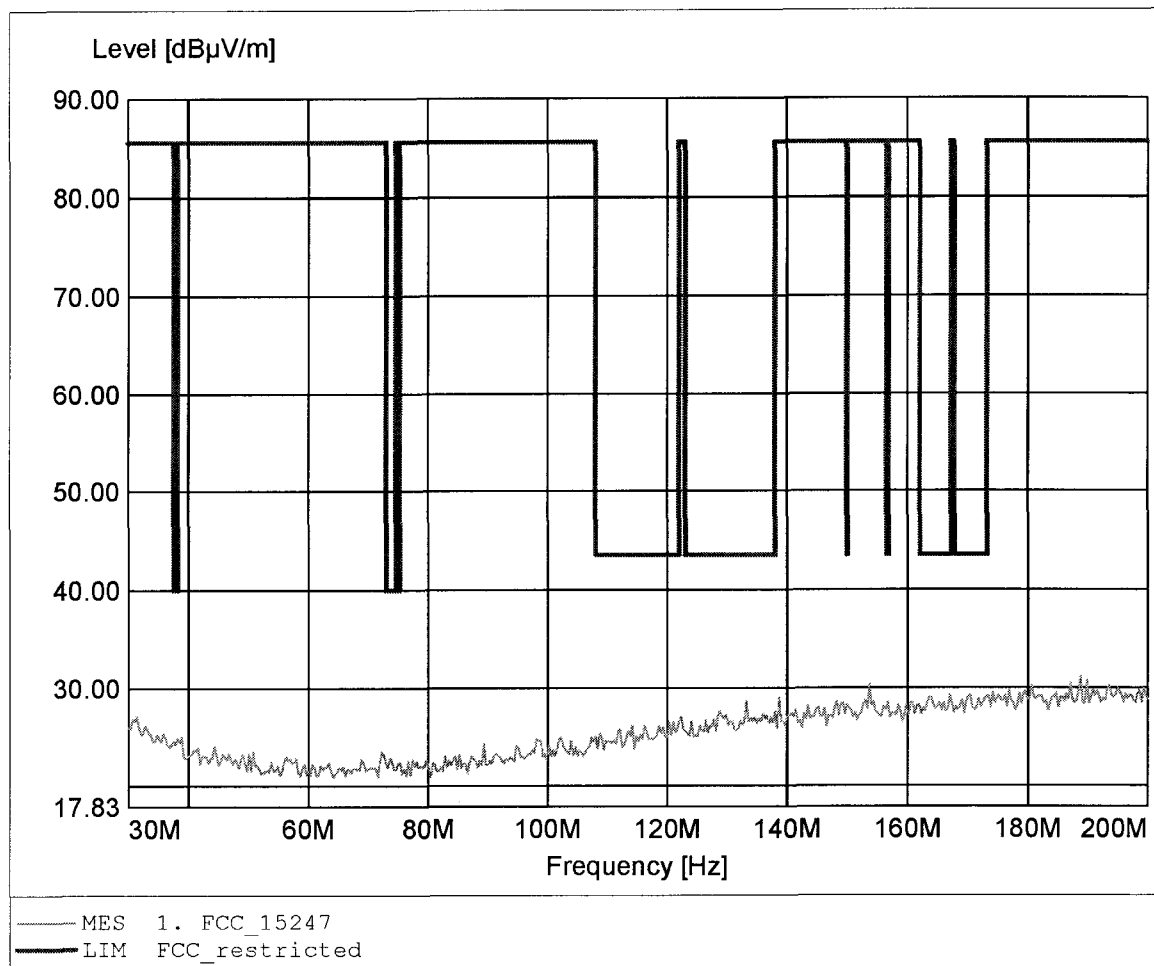
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cerovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Emax: 31.21dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

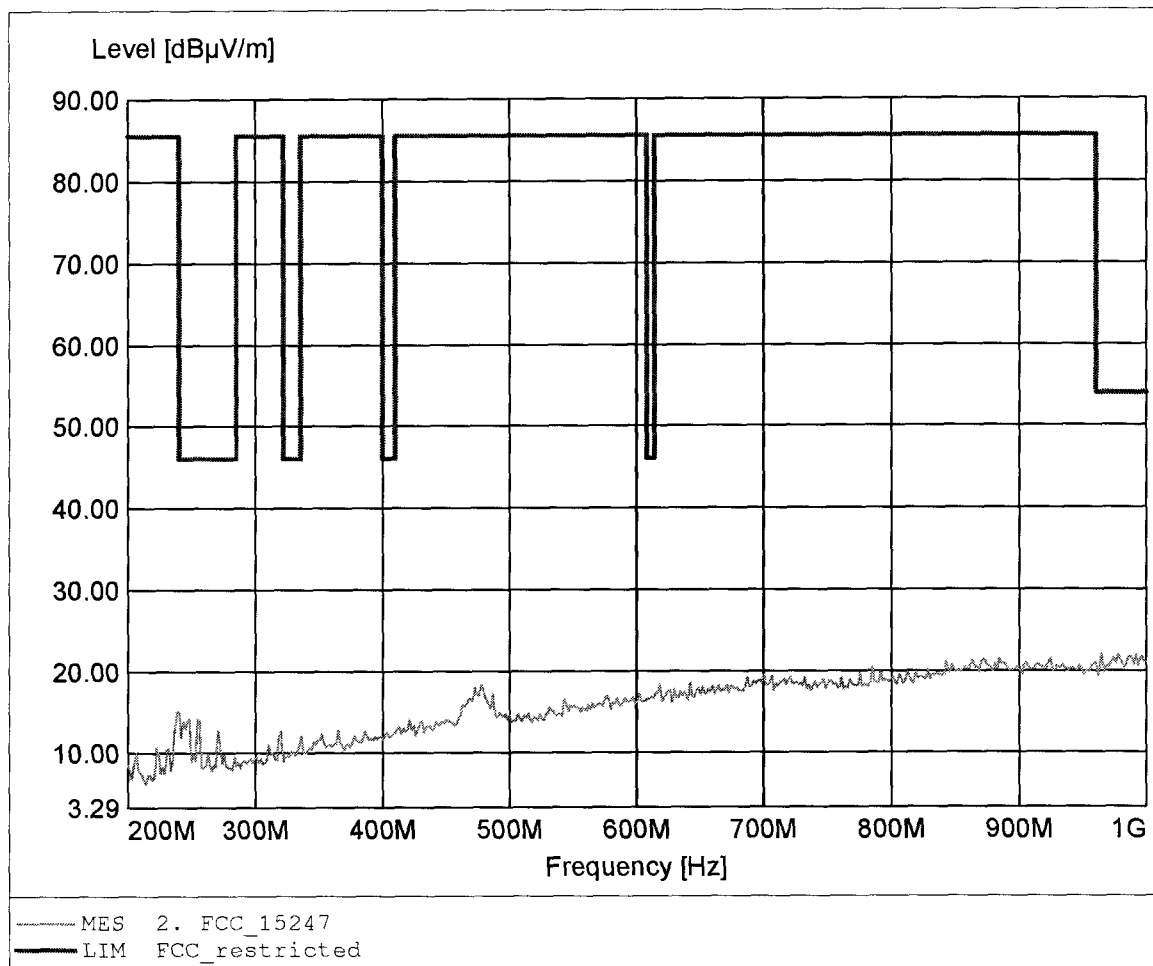
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 188.758MHz, Emax: 31.22dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

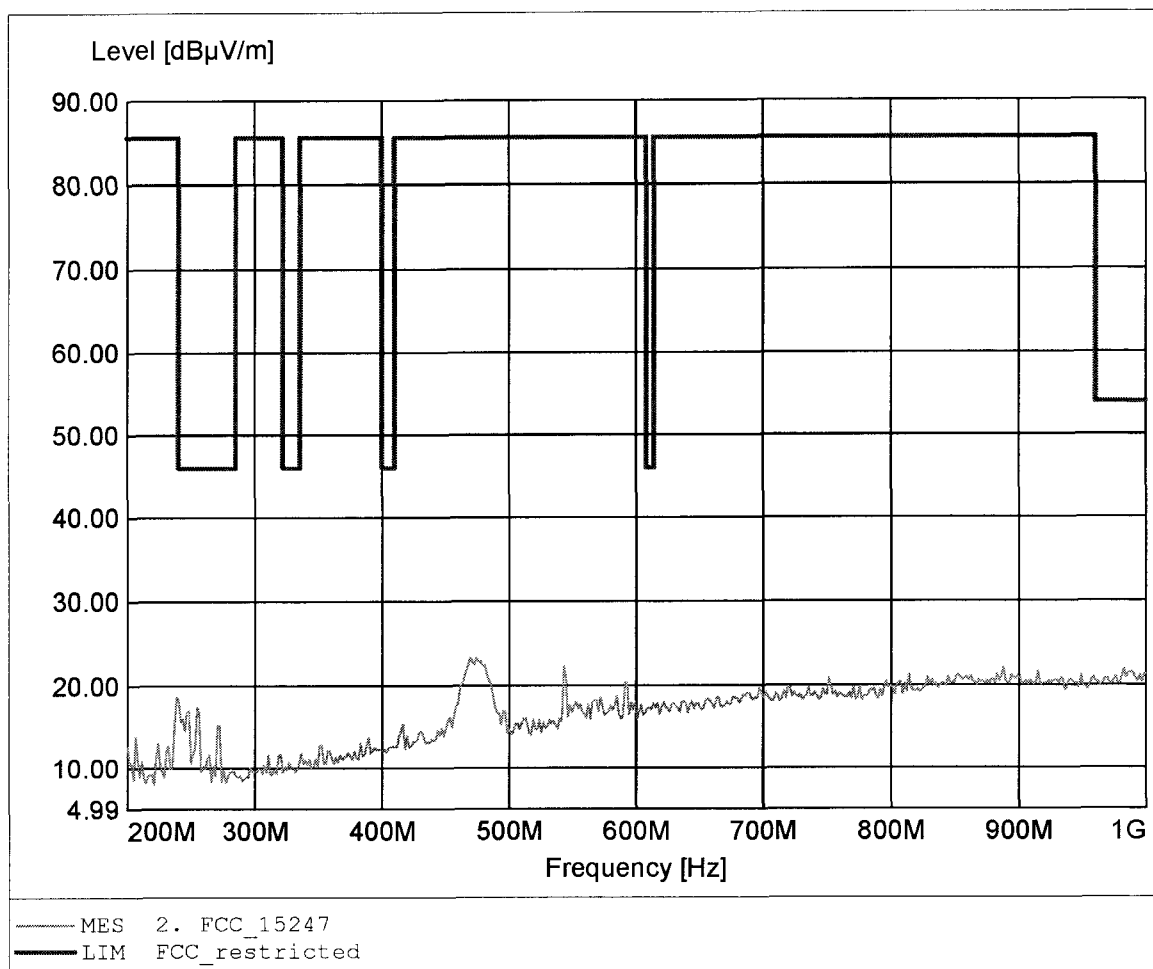
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 964.729MHz, Emax: 22.12dBμV/m, REW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

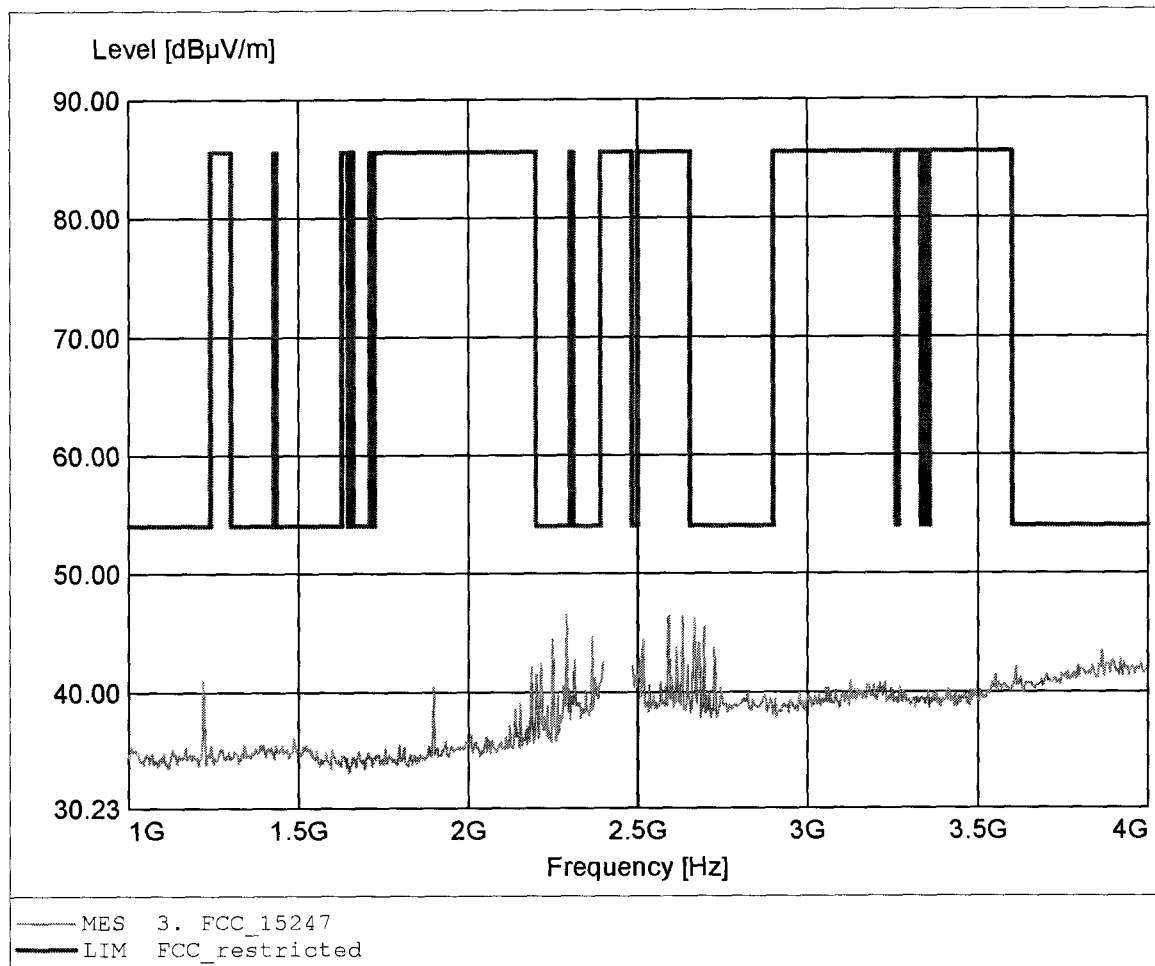
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 469.339MHz, Emax: 23.36dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

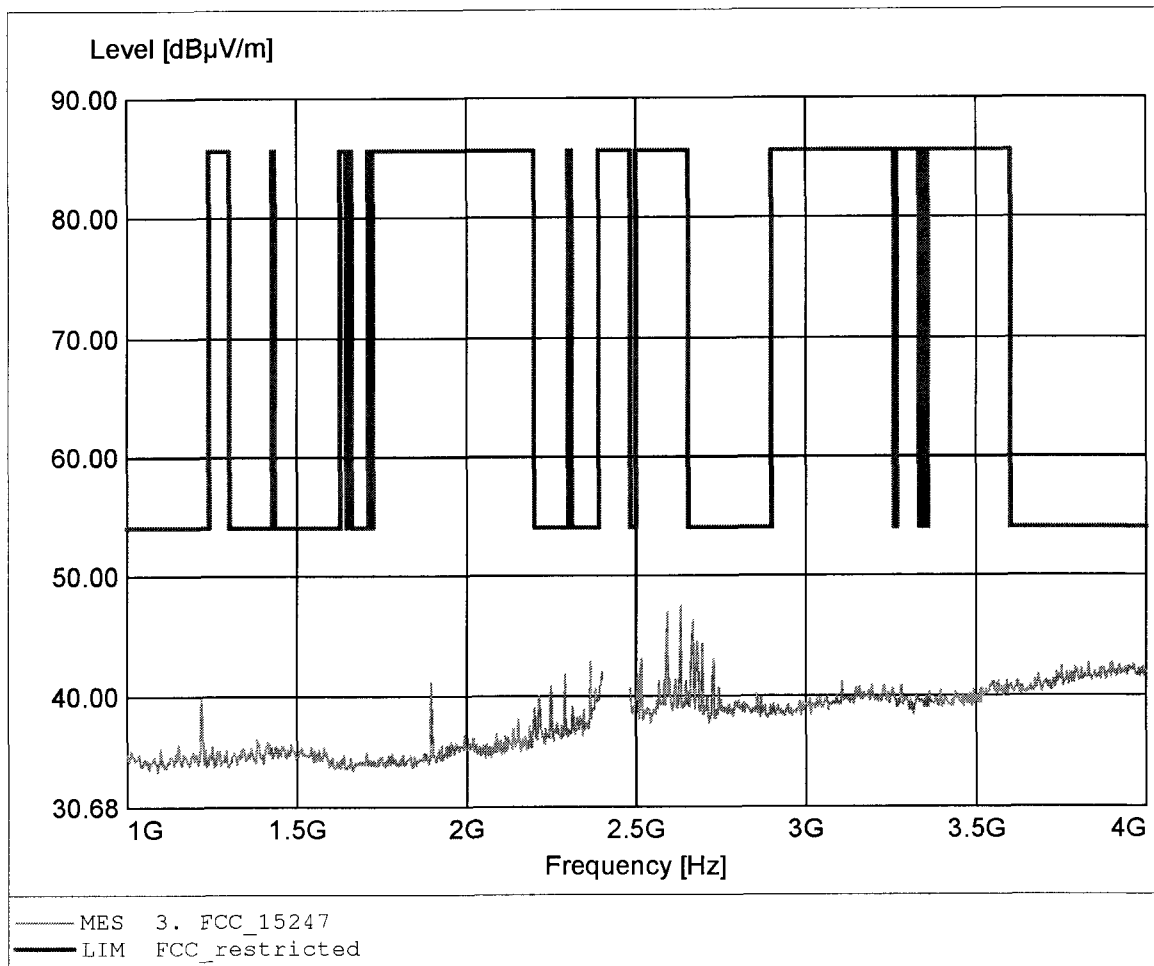
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.291GHz, Emax: 46.57dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

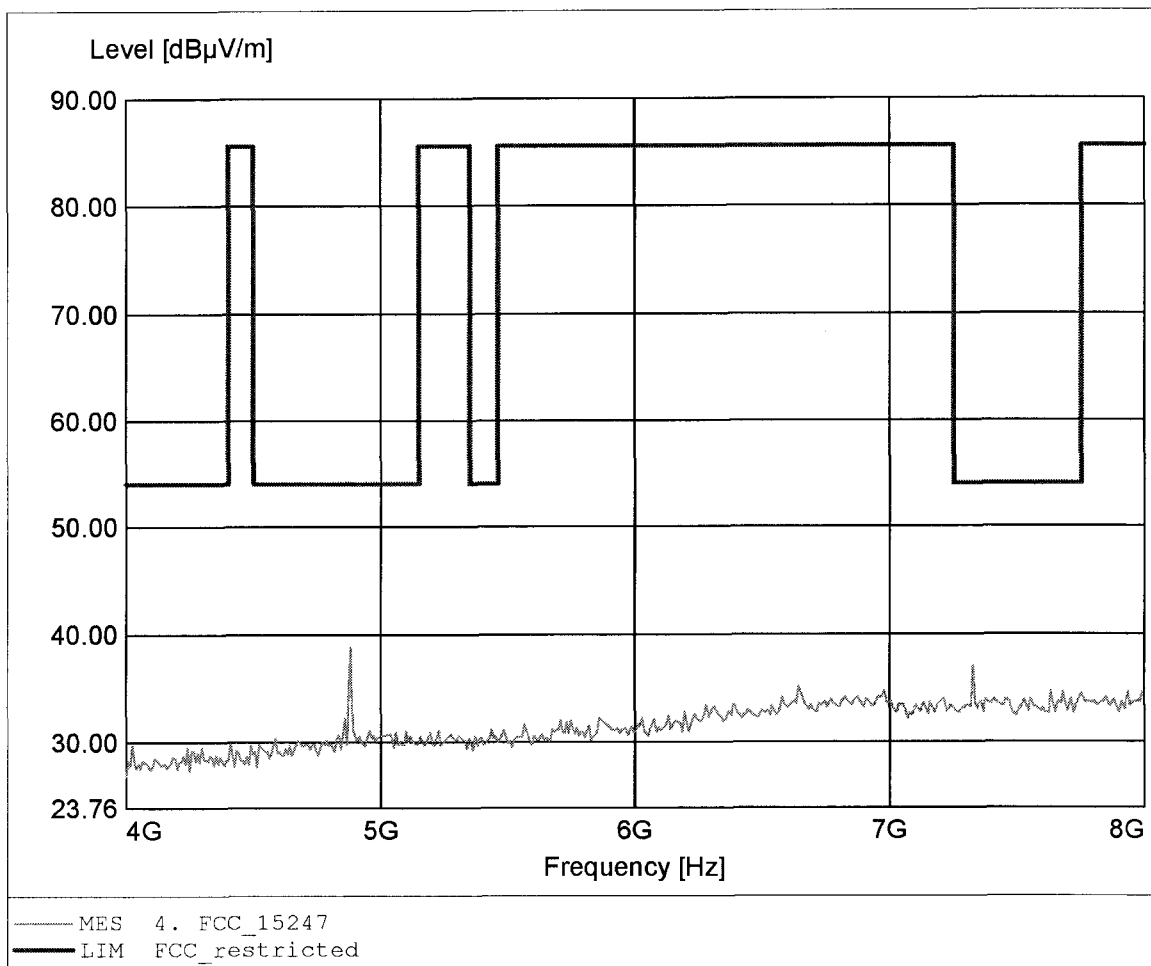
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.632GHz, Emax: 47.49dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

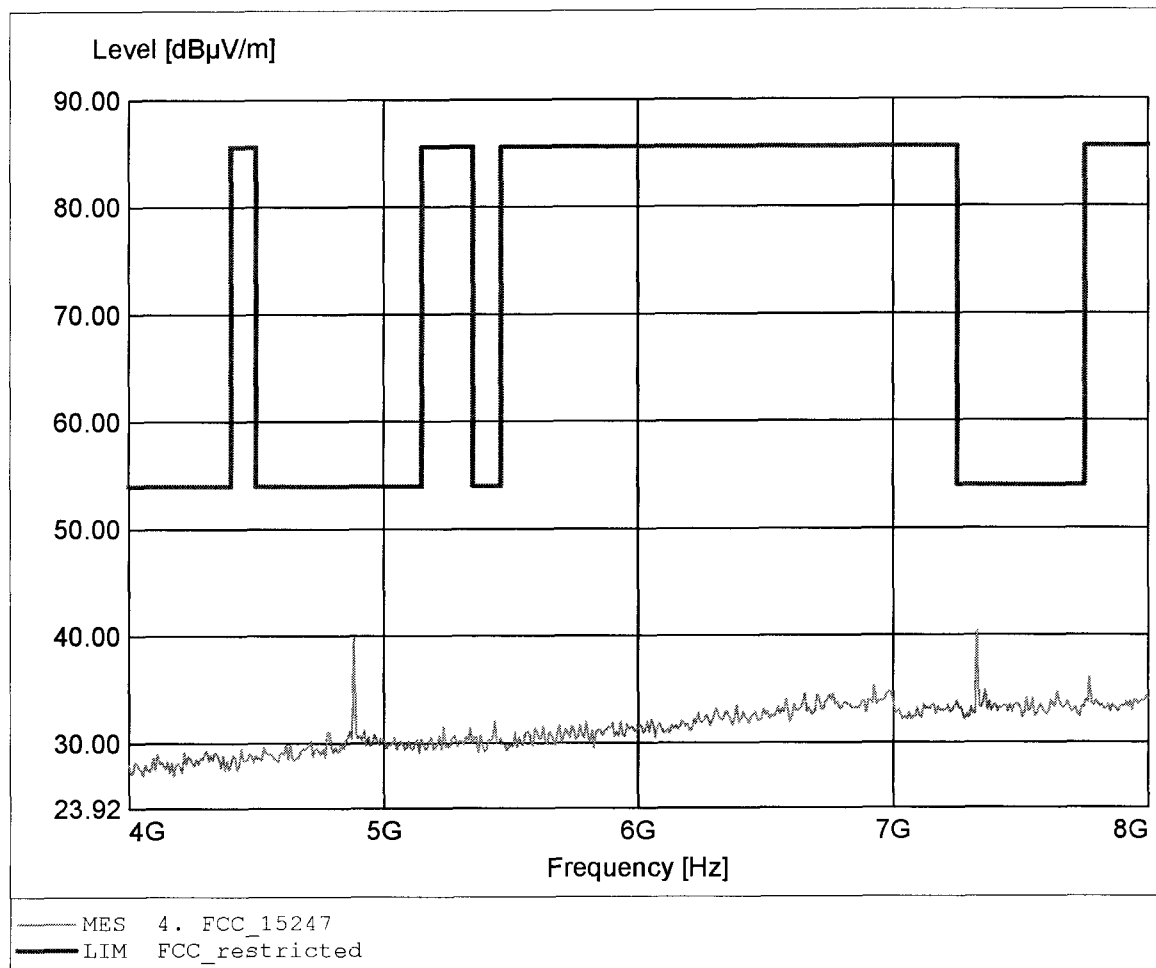
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 38.80dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

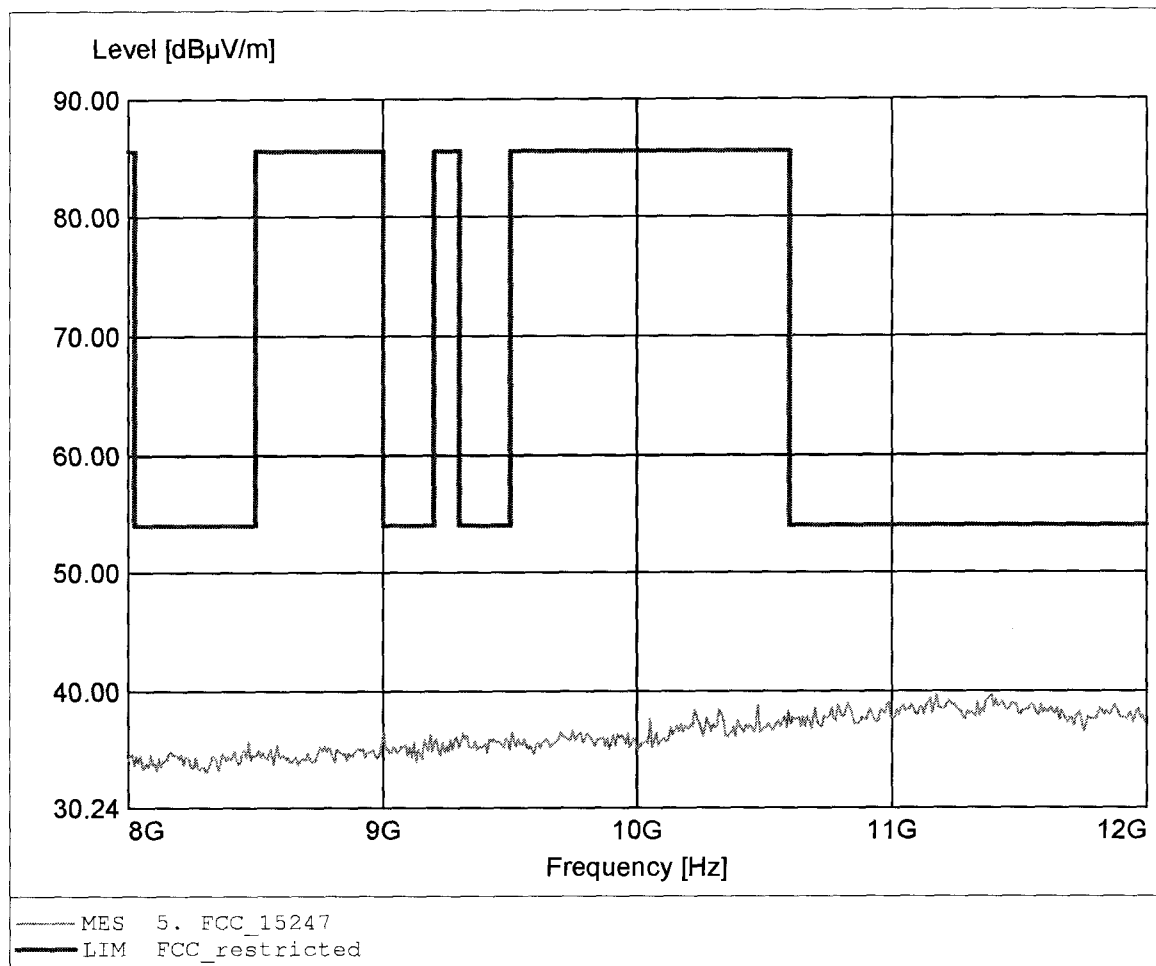
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.327GHz, Emax: 40.38dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

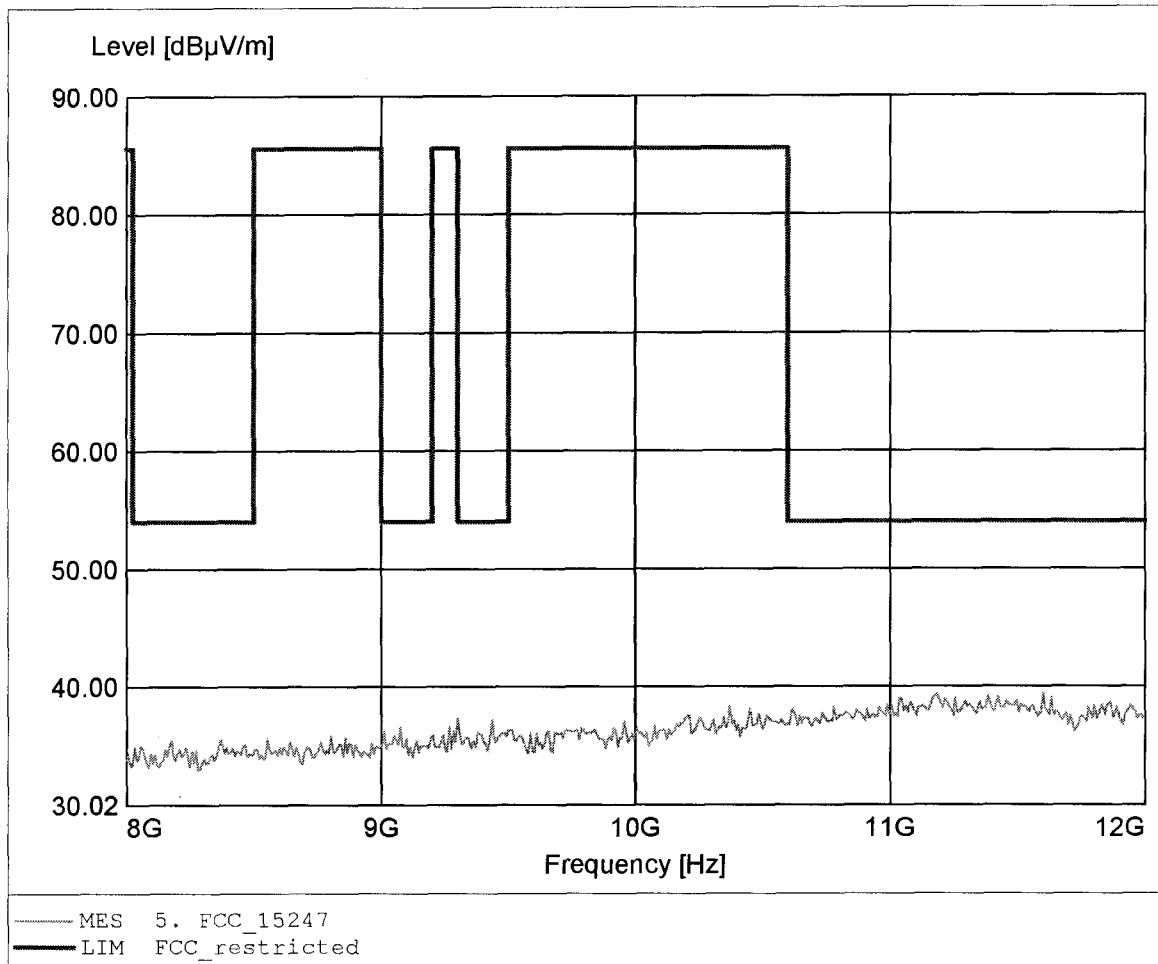
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.391GHz, Emax: 39.72dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

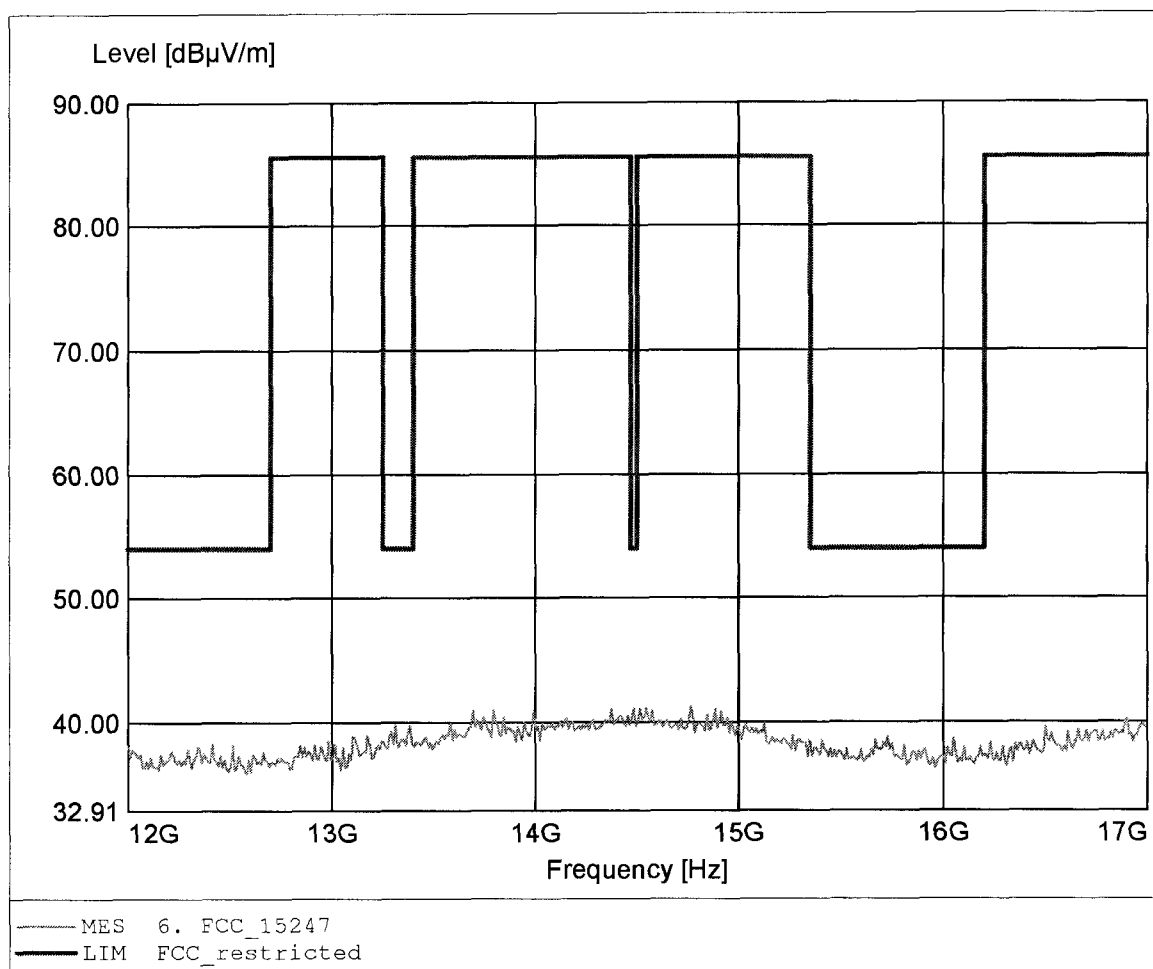
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cerovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.599GHz, Emax: 39.42dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

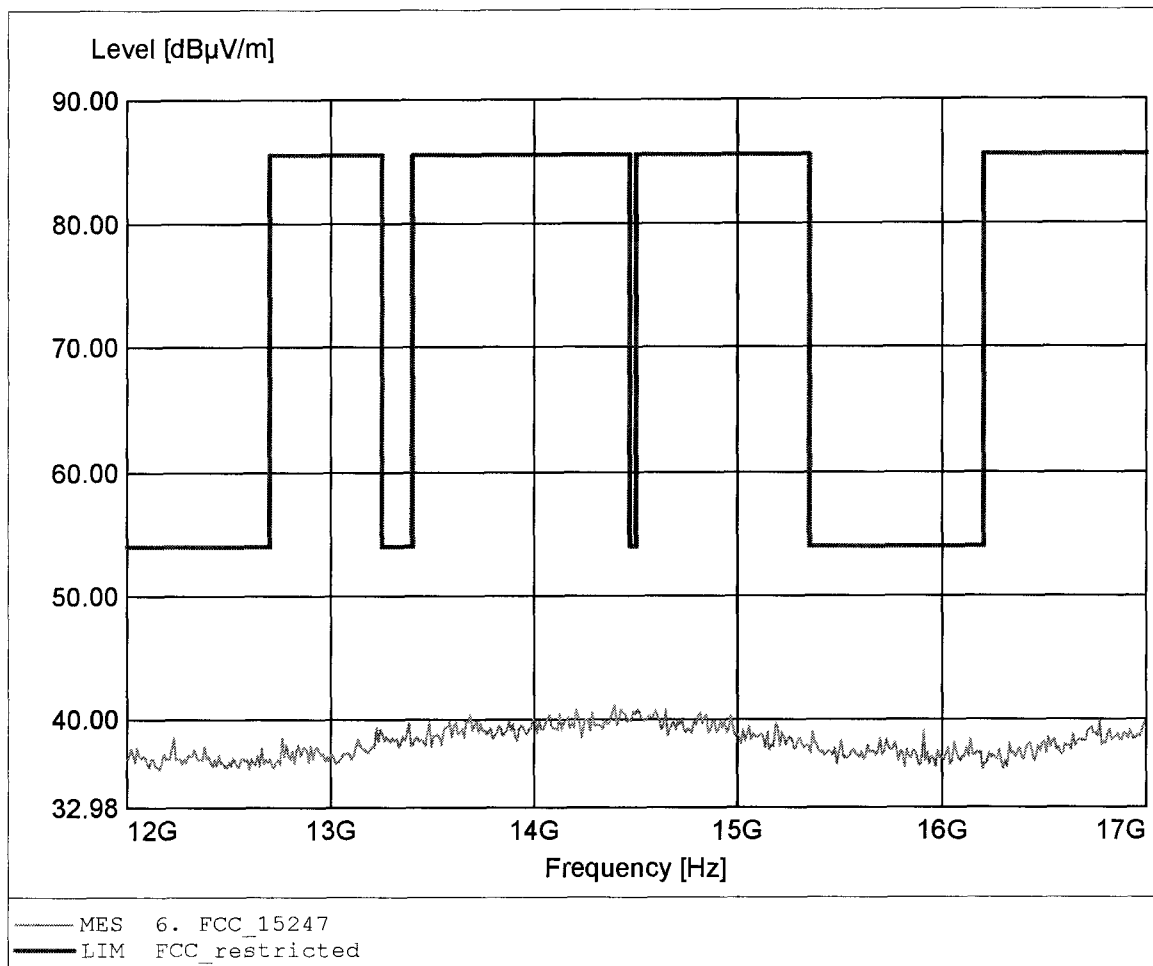
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.766GHz, Emax: 41.25dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

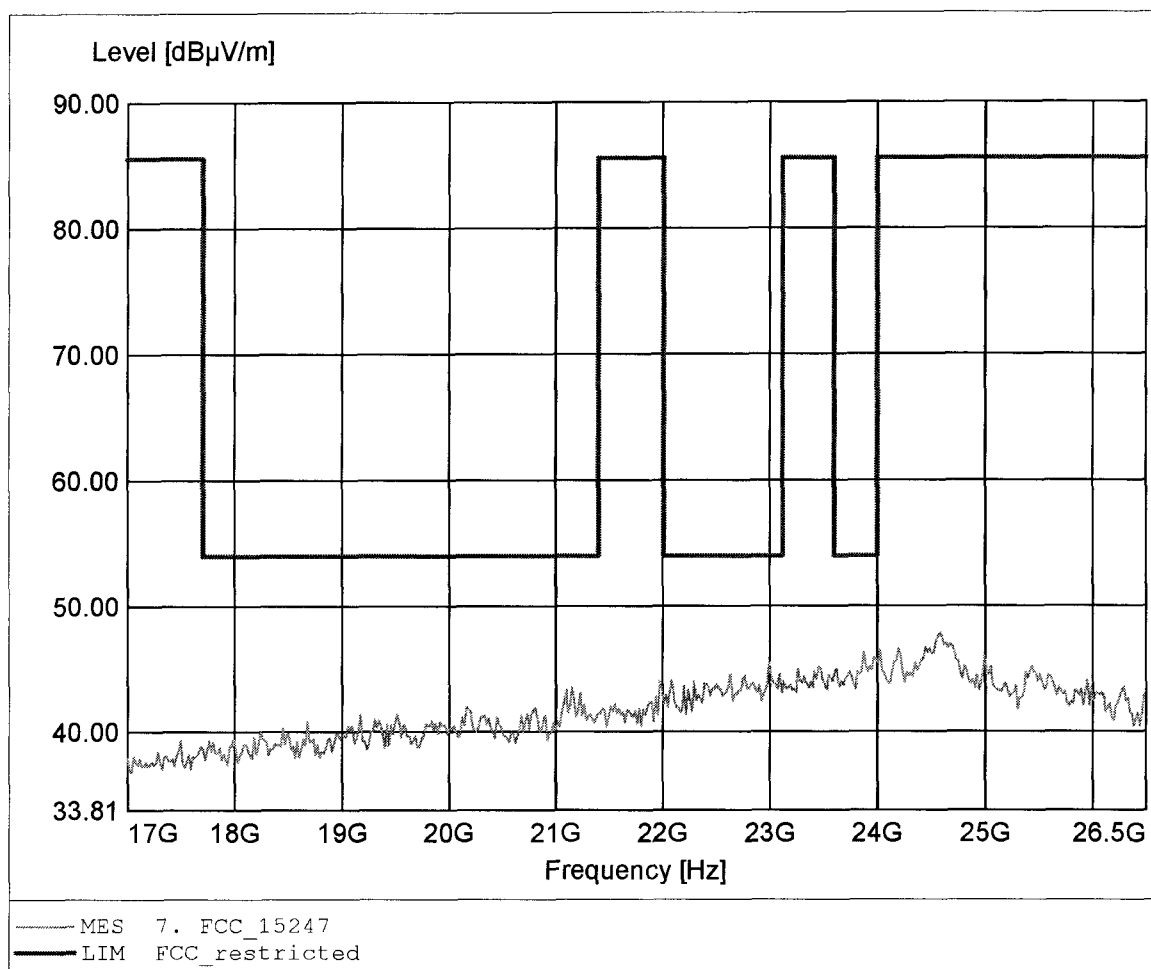
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cerovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.395GHz, Emax: 41.13dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

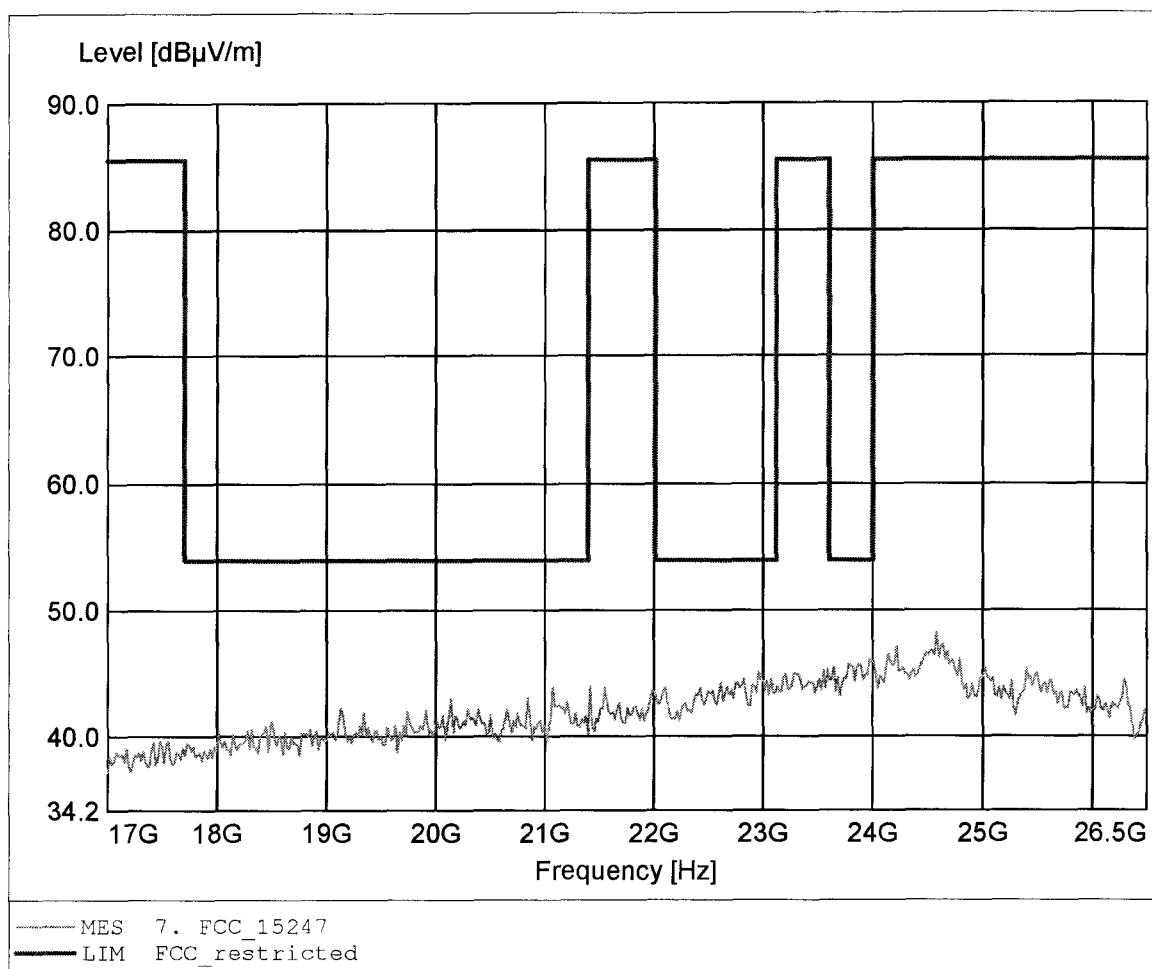
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.577GHz, Emax: 47.89dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

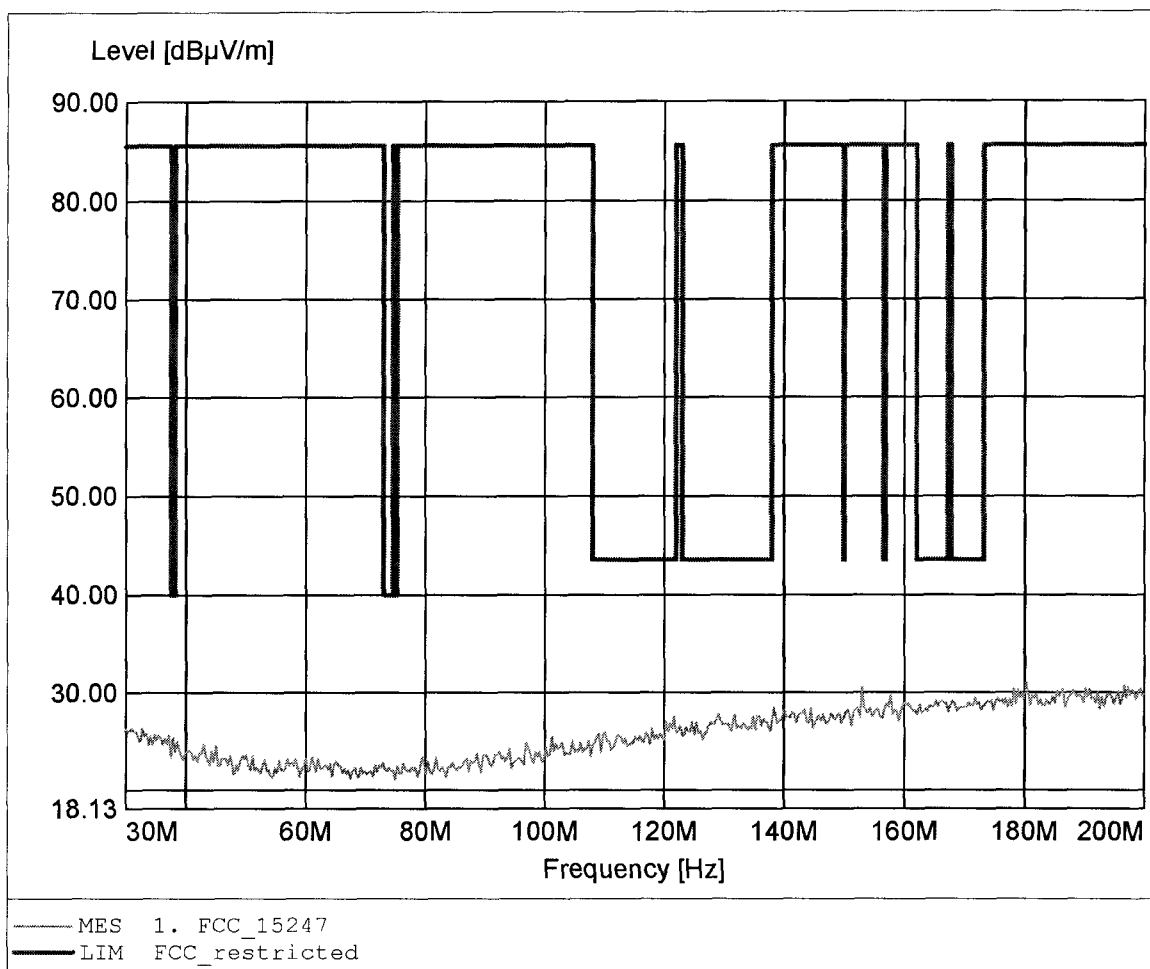
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2441 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.577GHz, Emax: 48.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

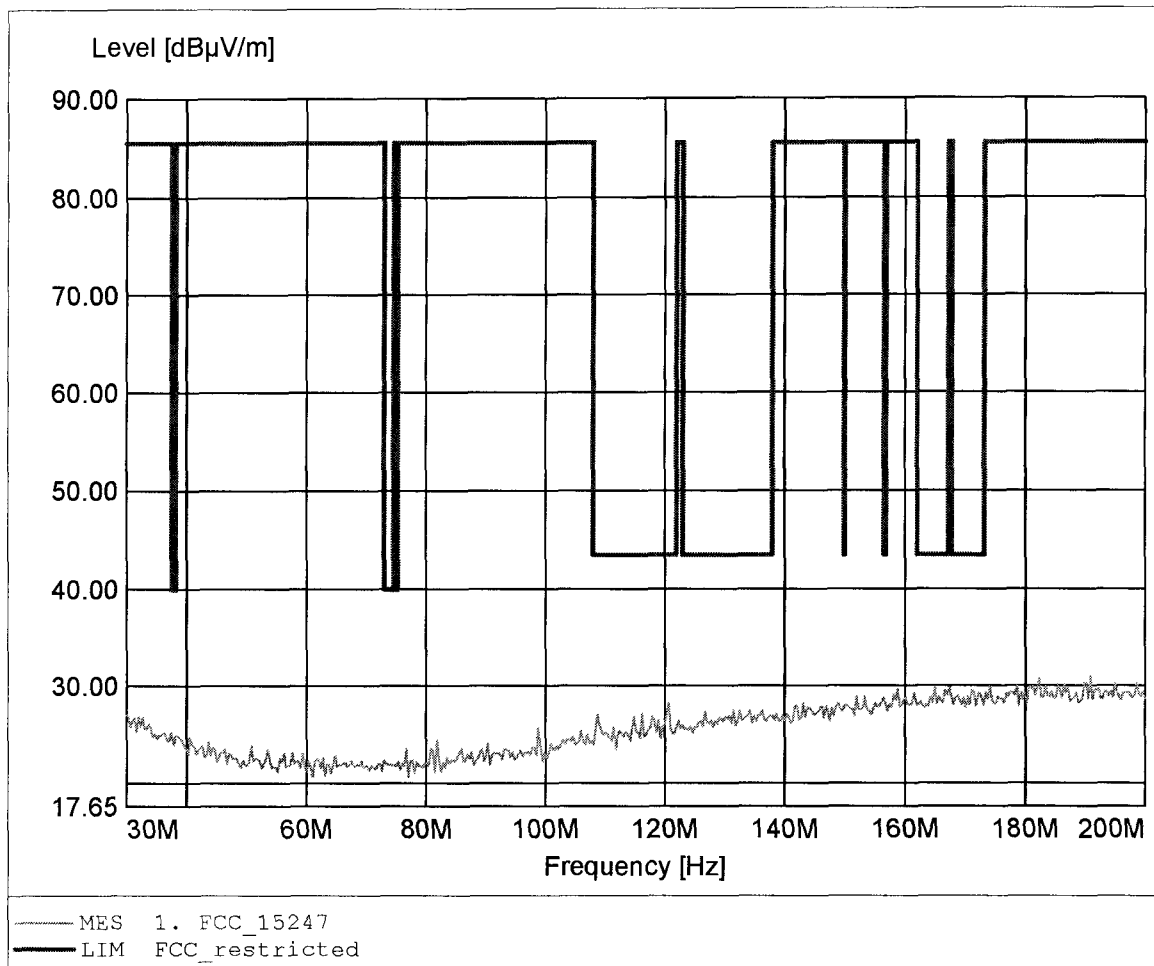
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 180.240MHz, Emax: 31.05dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

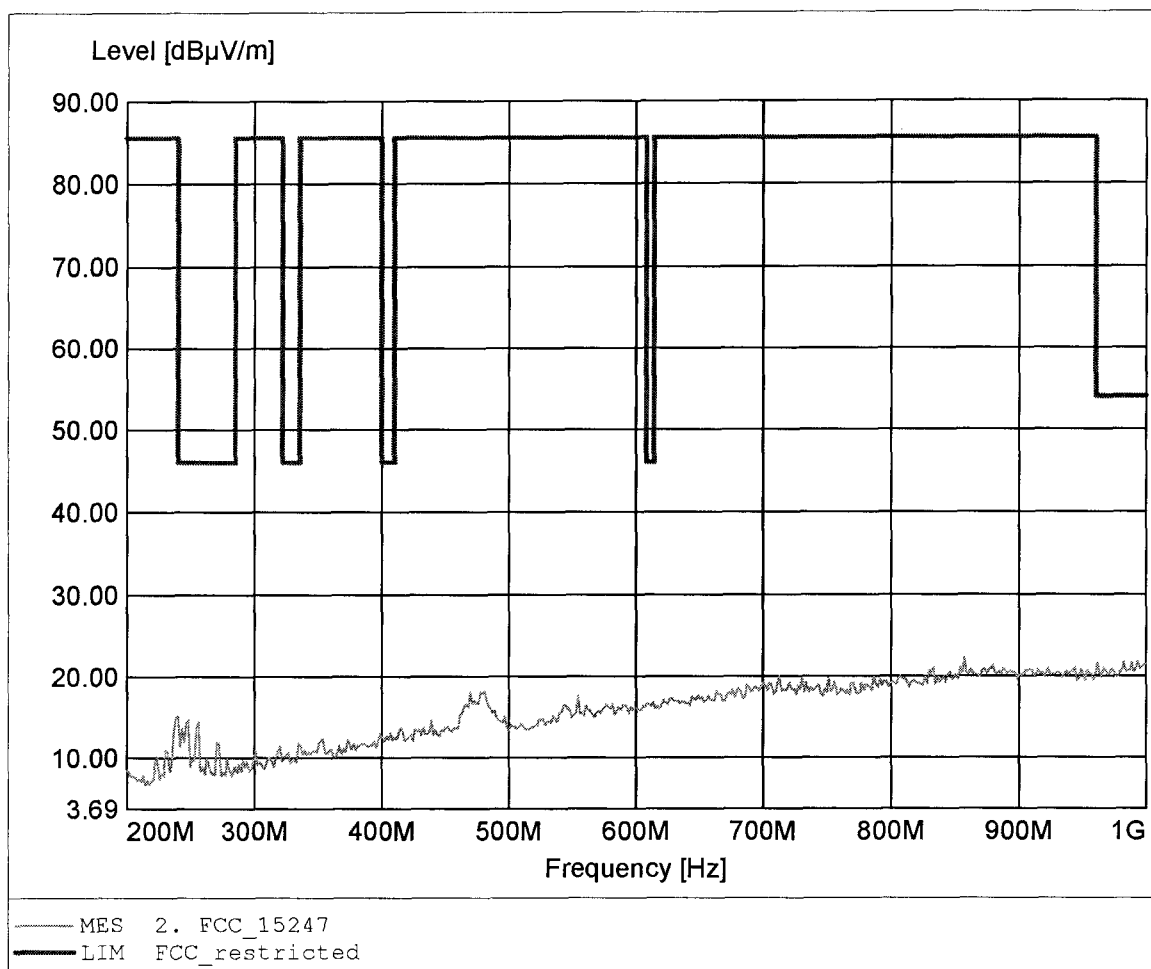
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 190.802MHz, Emax: 30.96dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

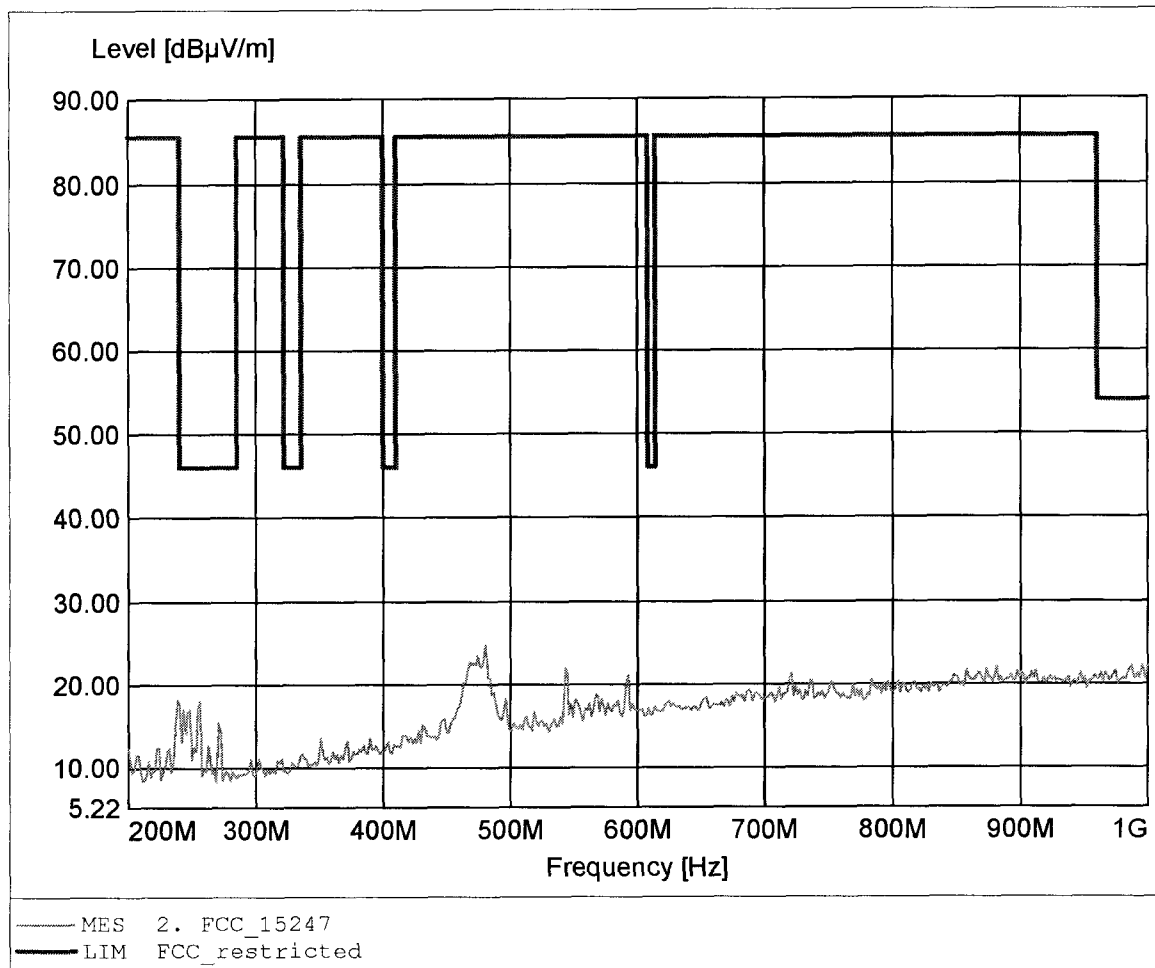
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 857.315MHz, Emax: 22.18dB μ V/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

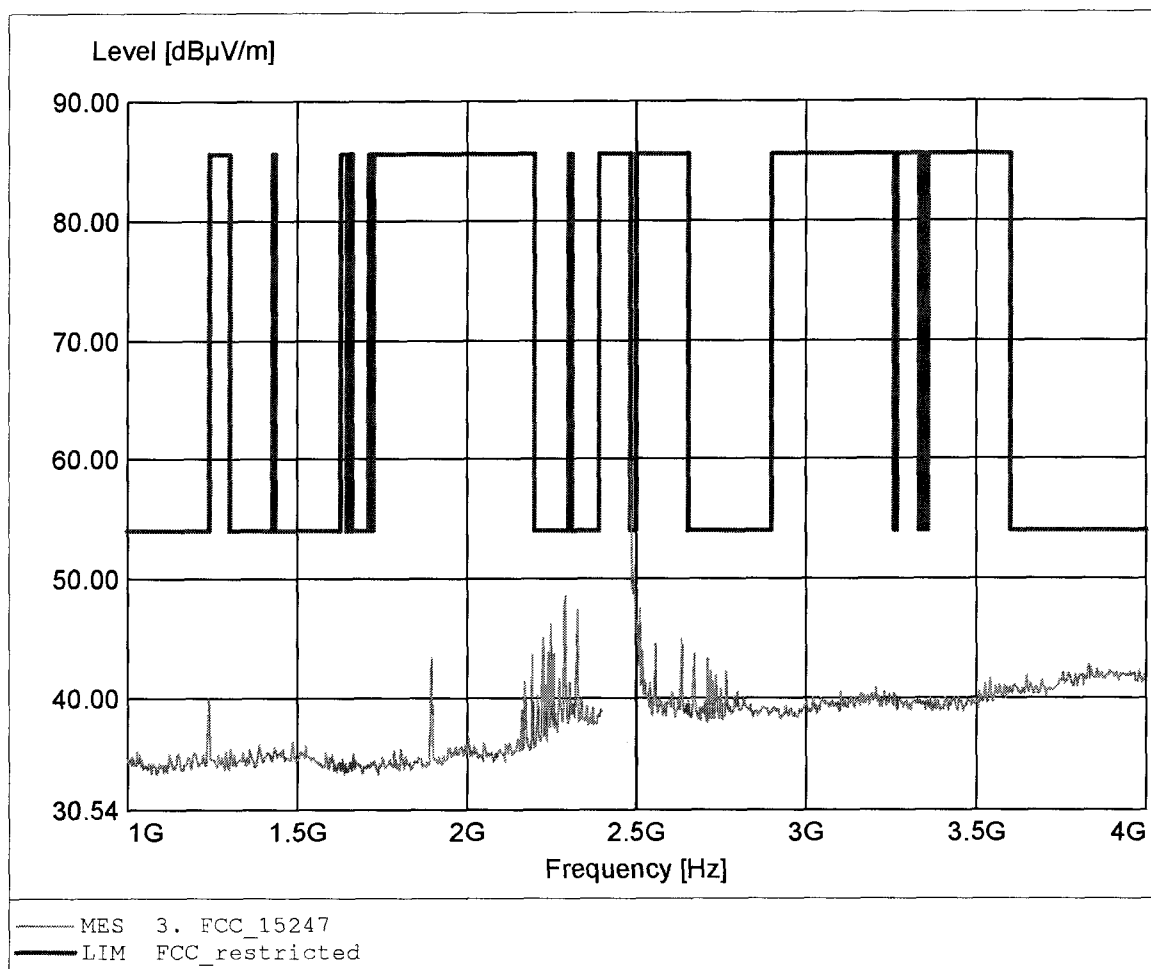
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cerovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 480.561MHz, Emax: 24.83dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

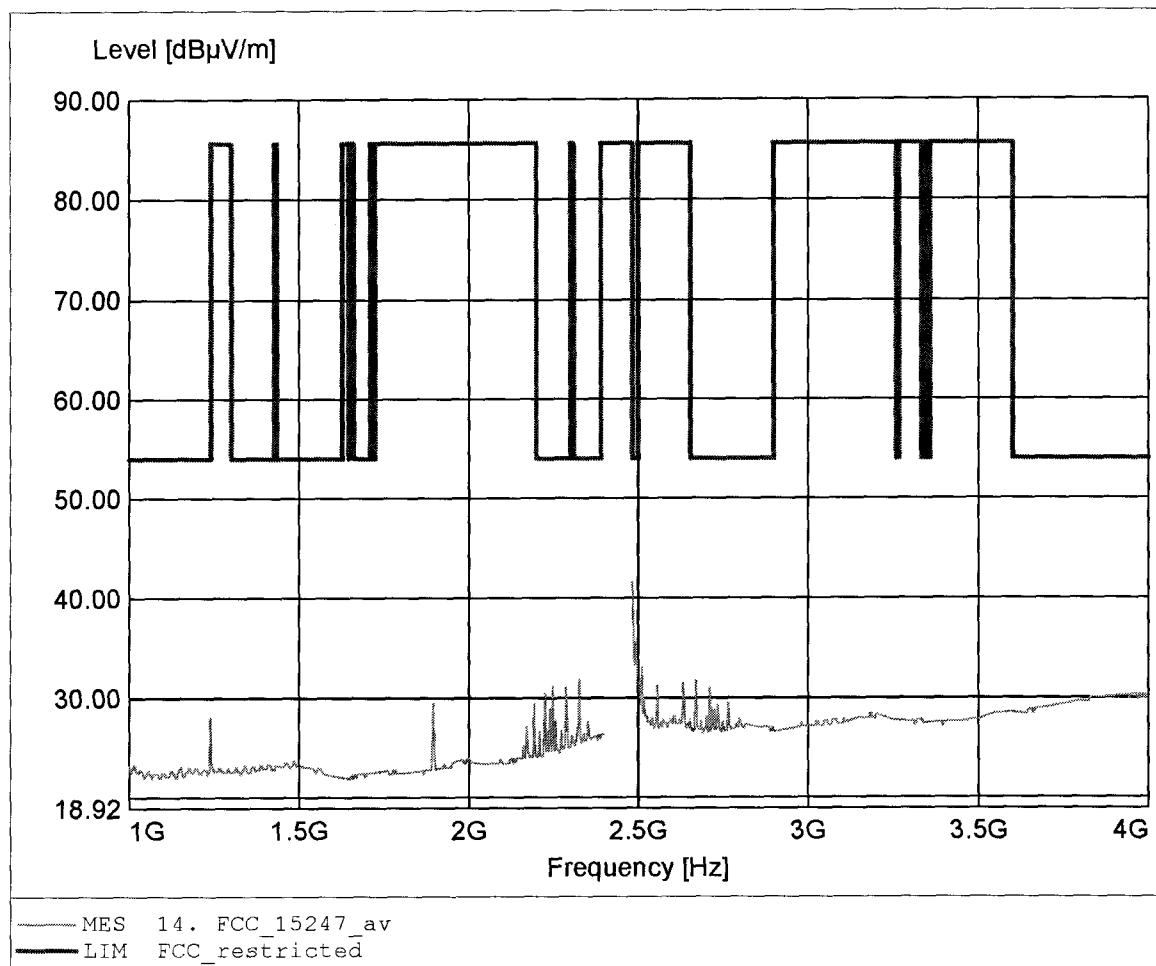
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 59.81dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

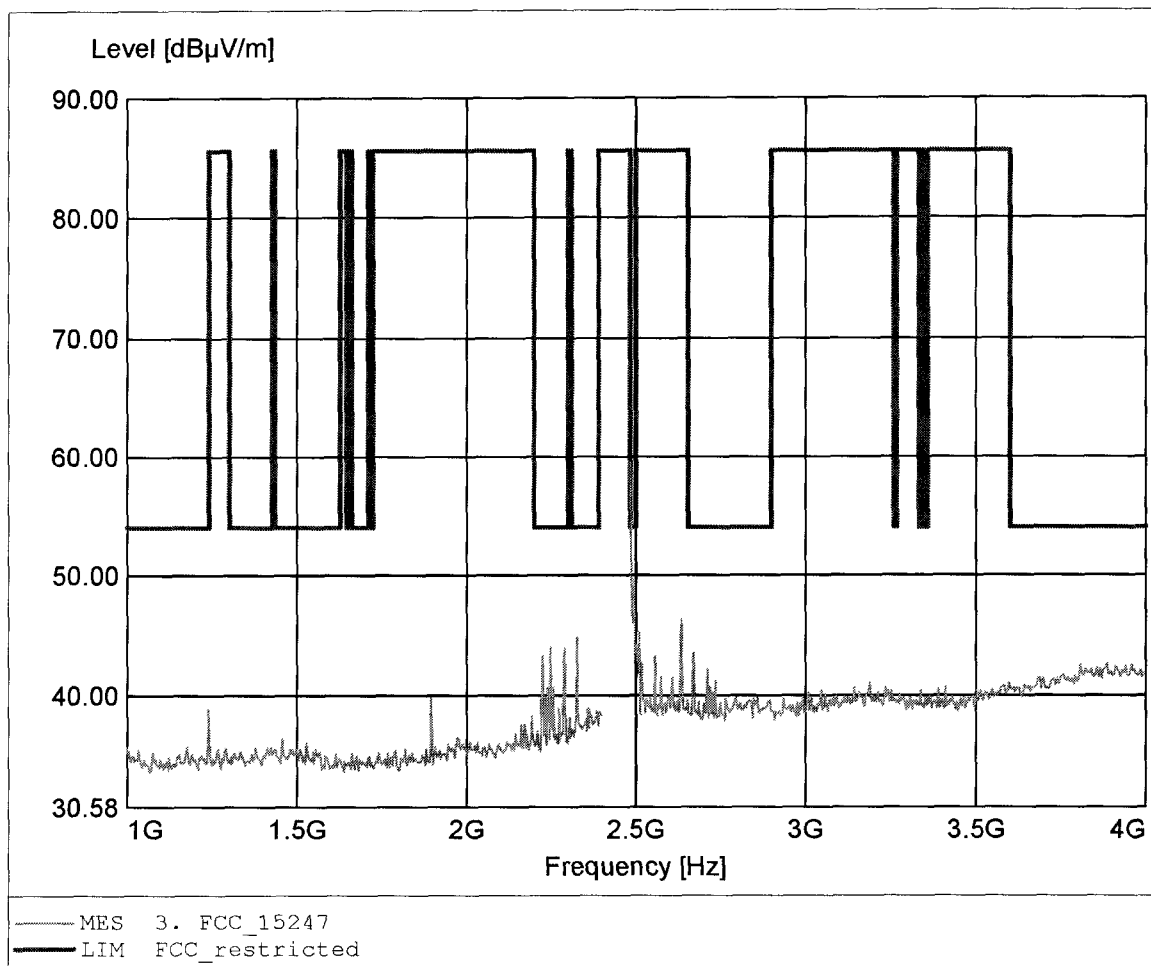
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 41.55dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

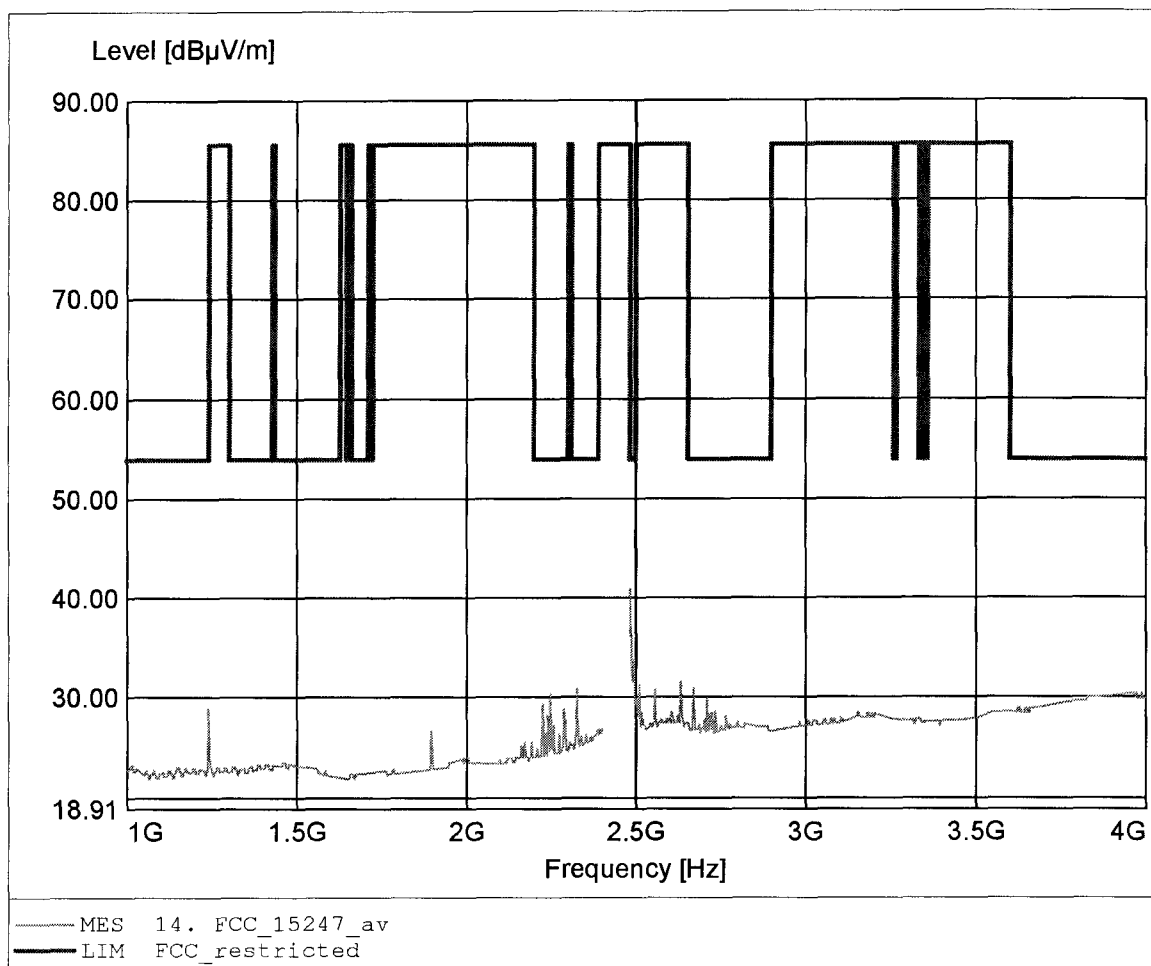
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 59.46dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

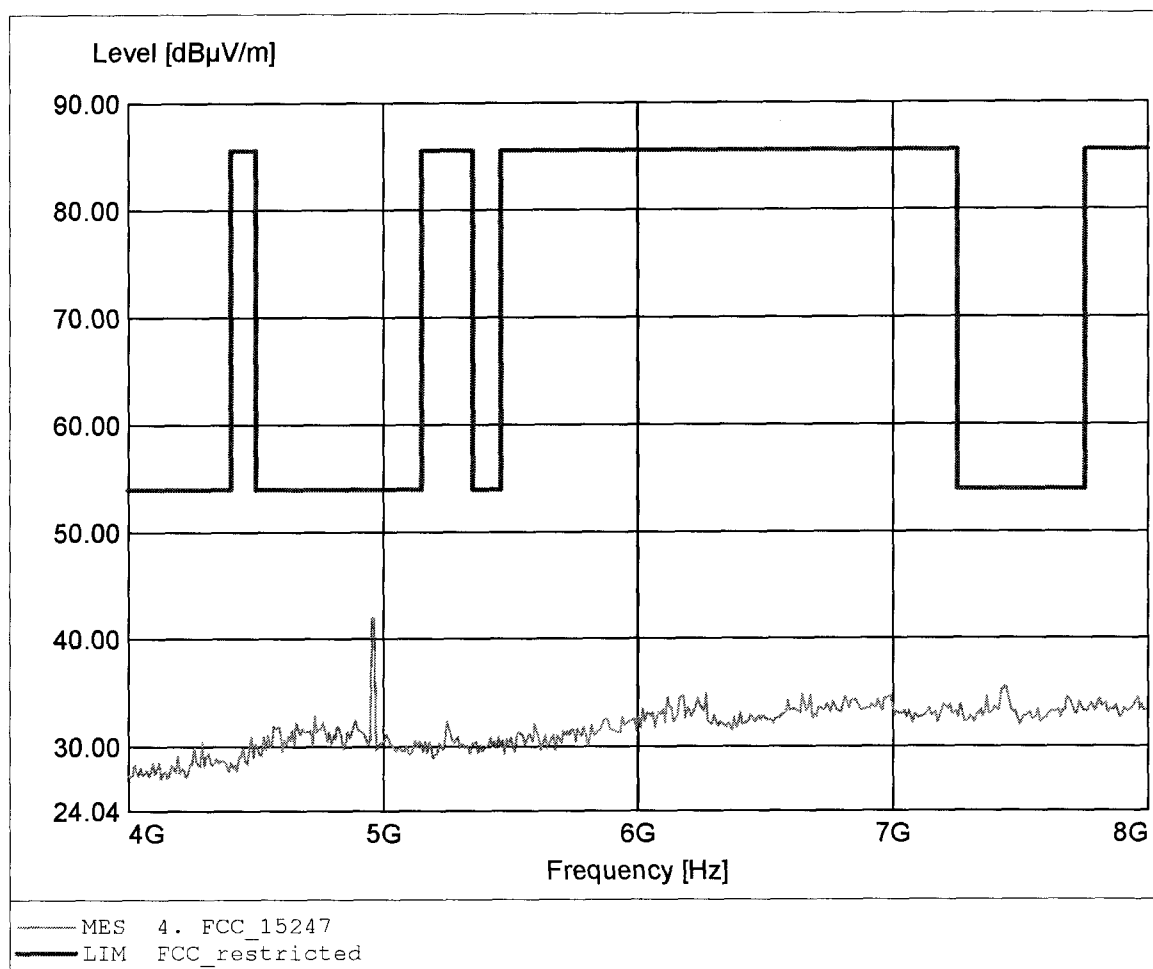
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 40.90dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

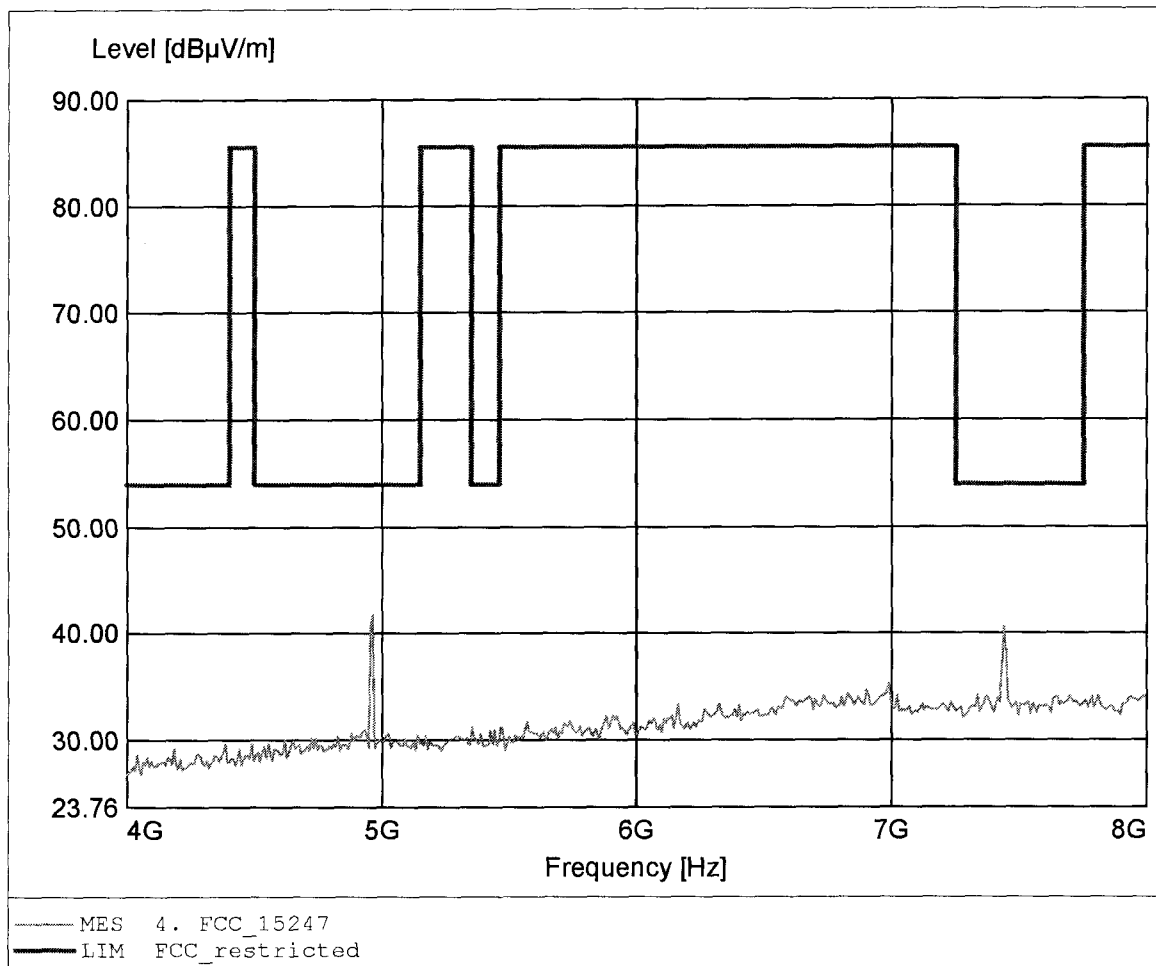
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.954GHz, Emax: 41.99dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

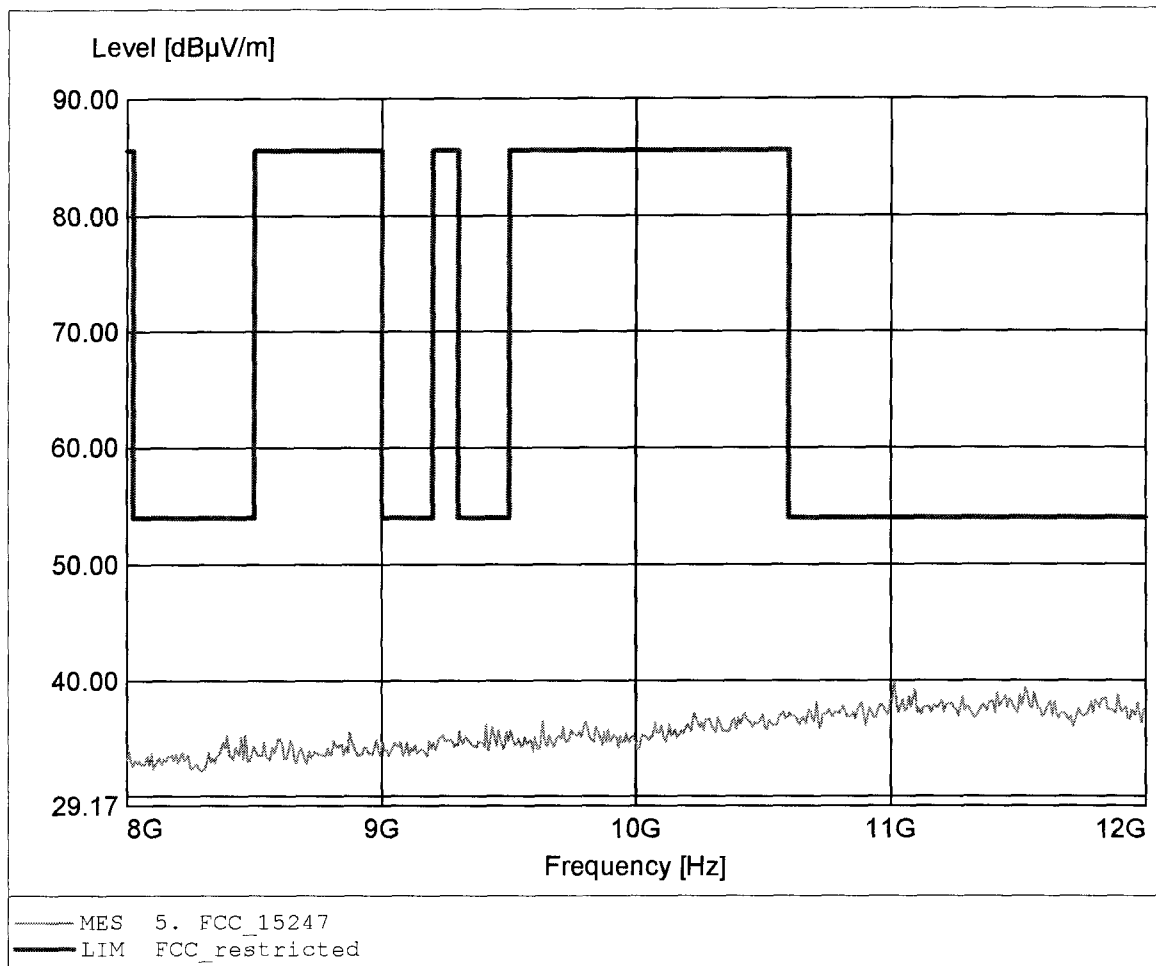
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 41.76dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

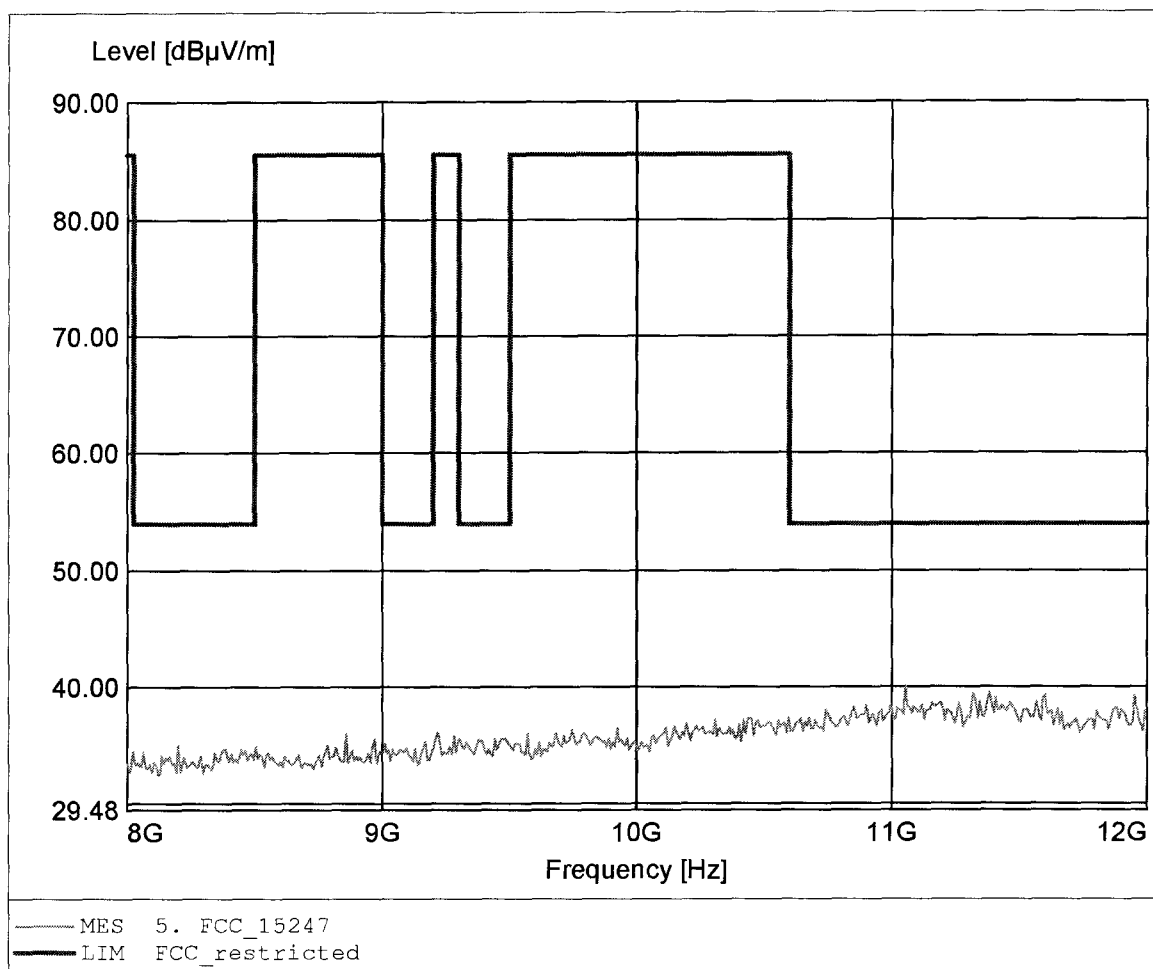
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.014GHz, Emax: 39.92dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

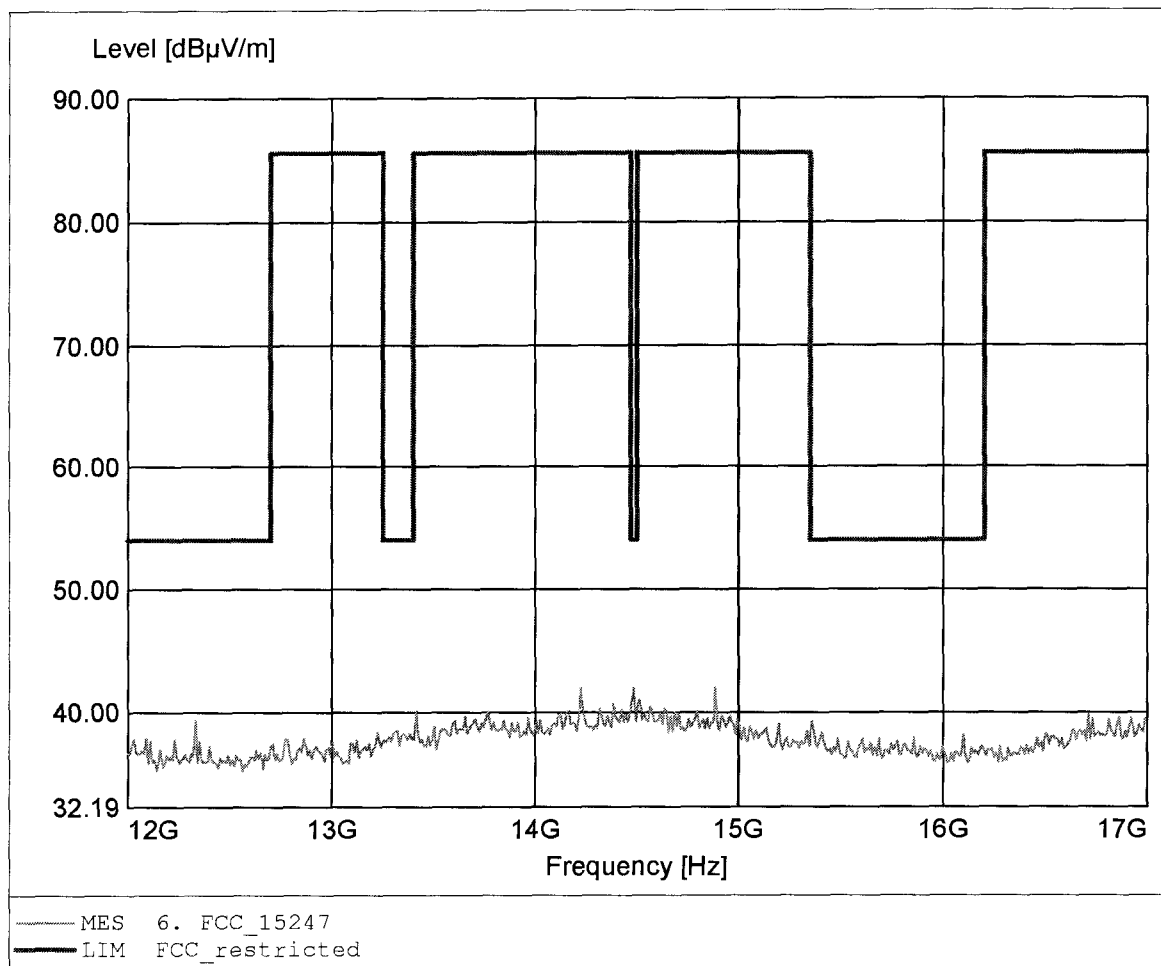
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.054GHz, Emax: 40.08dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

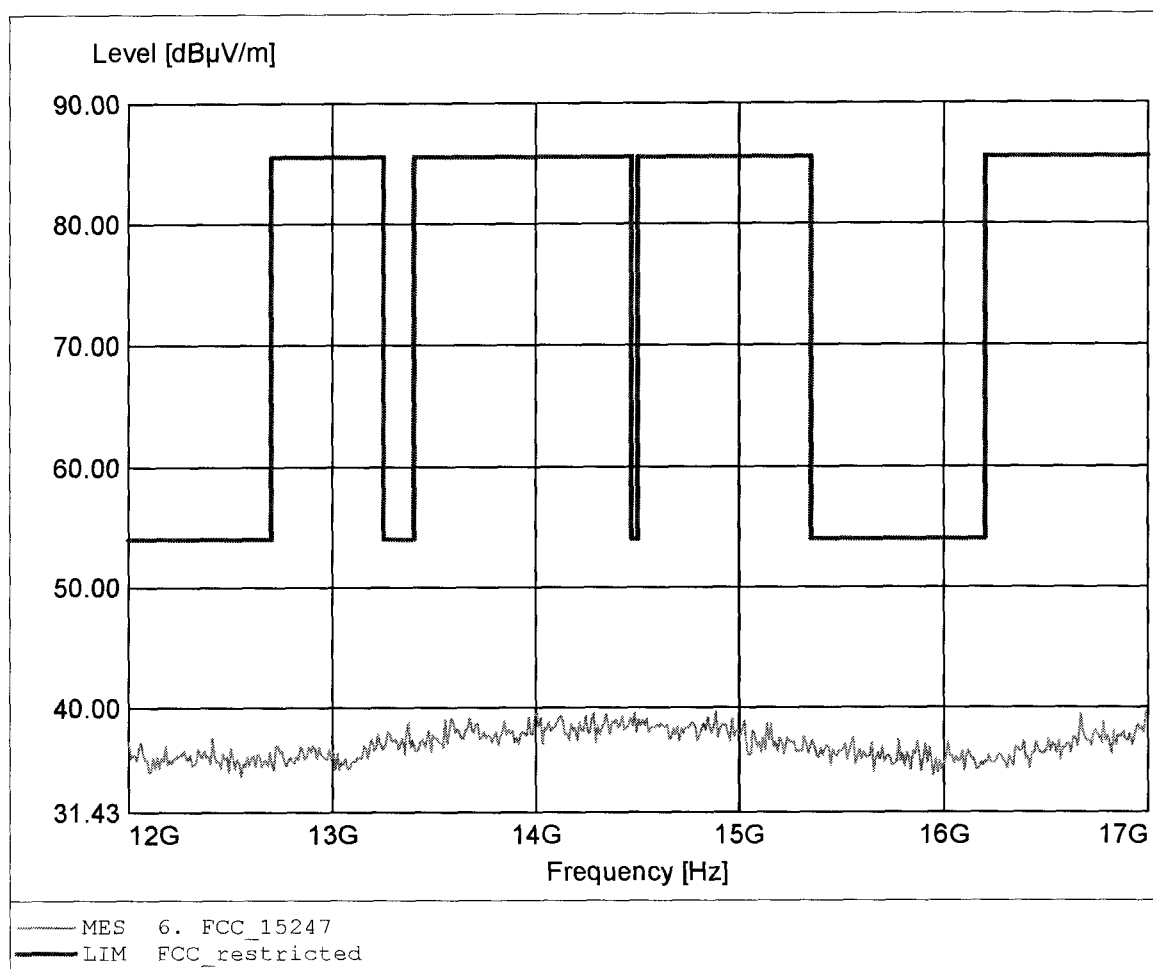
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.886GHz, Emax: 42.03dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

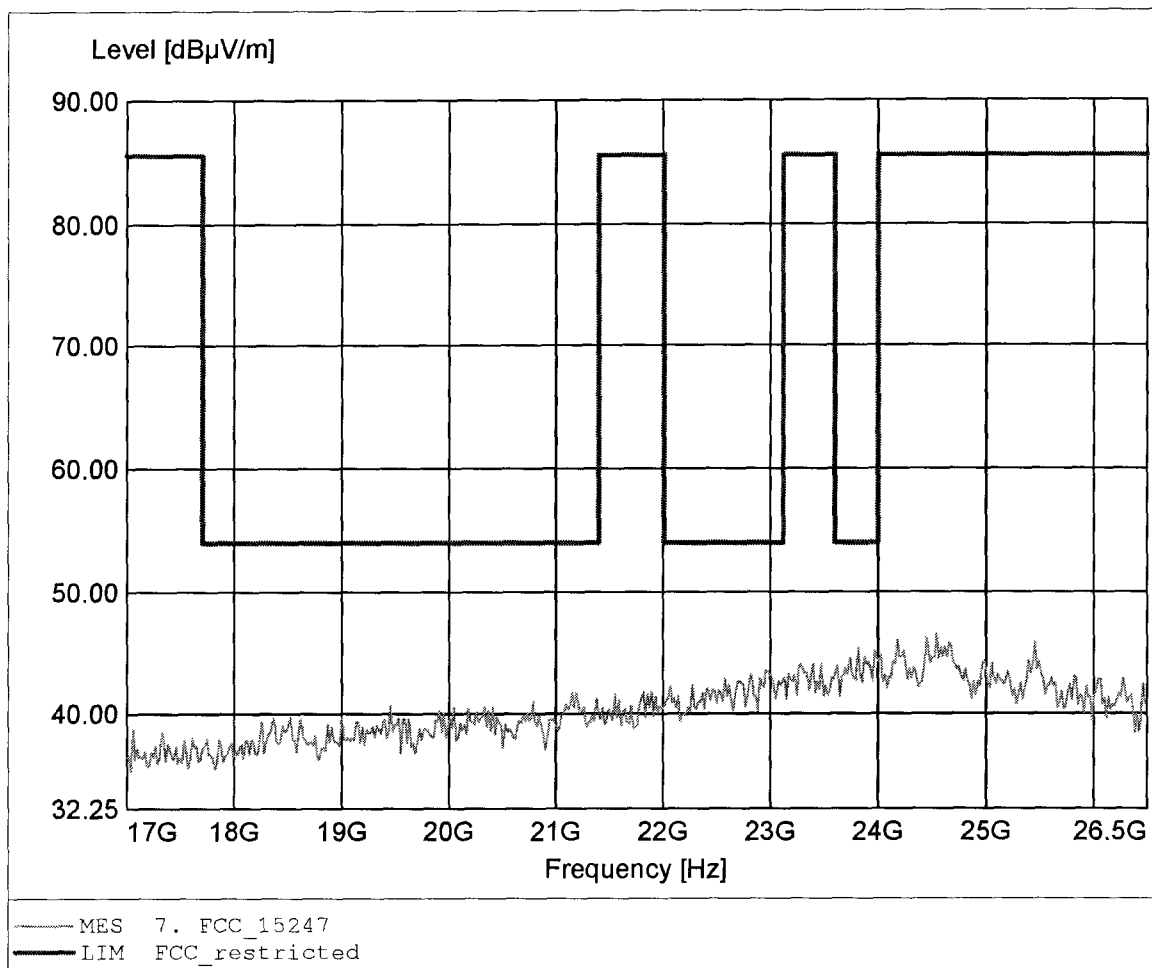
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cersovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.886GHz, Emax: 39.64dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

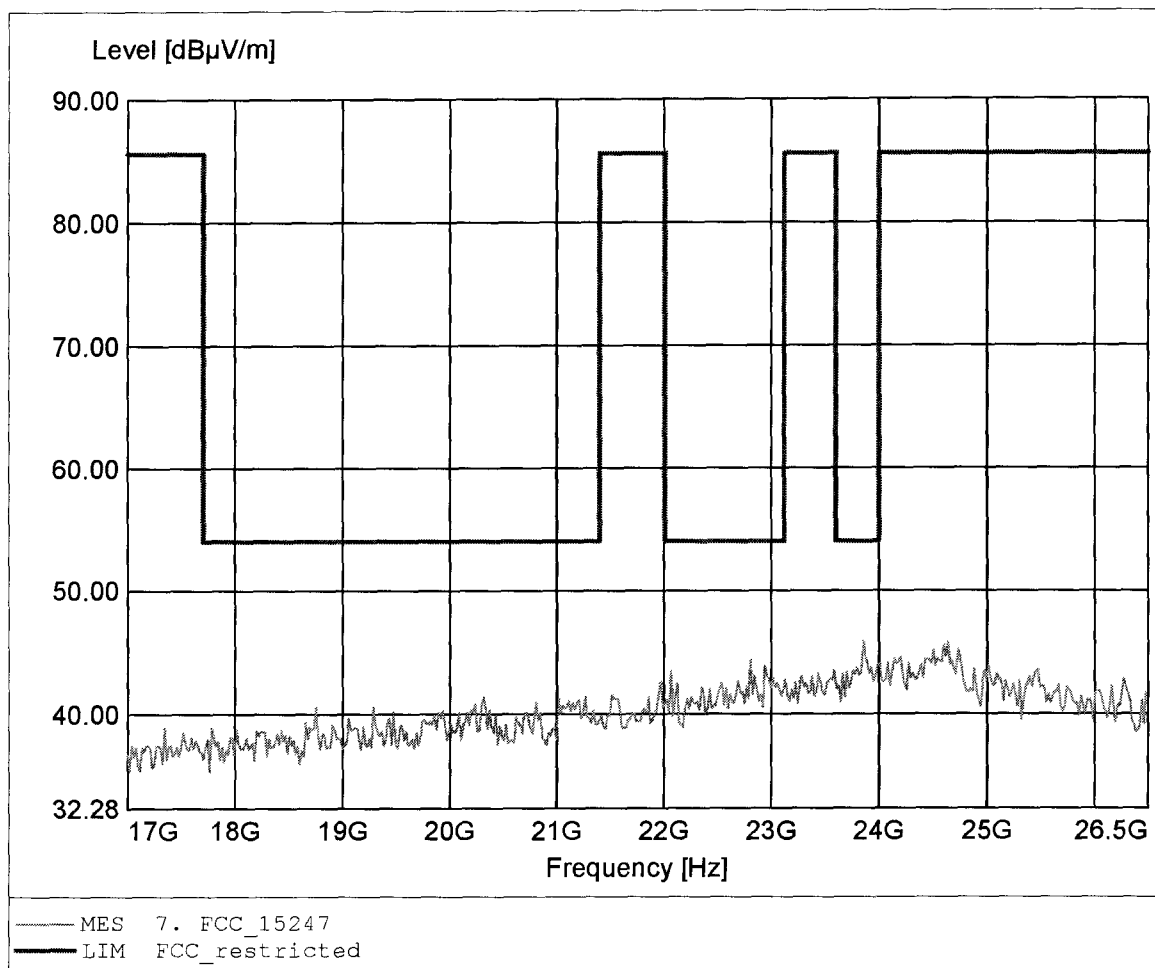
Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cerovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.539GHz, Emax: 46.55dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: A-Kabel AS
EUT: Bluetooth Air Defender Headset
Model / Frequency: AK6591/AK6592 / 2480 MHz
Test Site / Operator: ETS / Mr. Cerovsky
Test Condition: 25°C / Unom.: 3 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 23.854GHz, Emax: 45.91dBμV/m, RBW: 1MHz

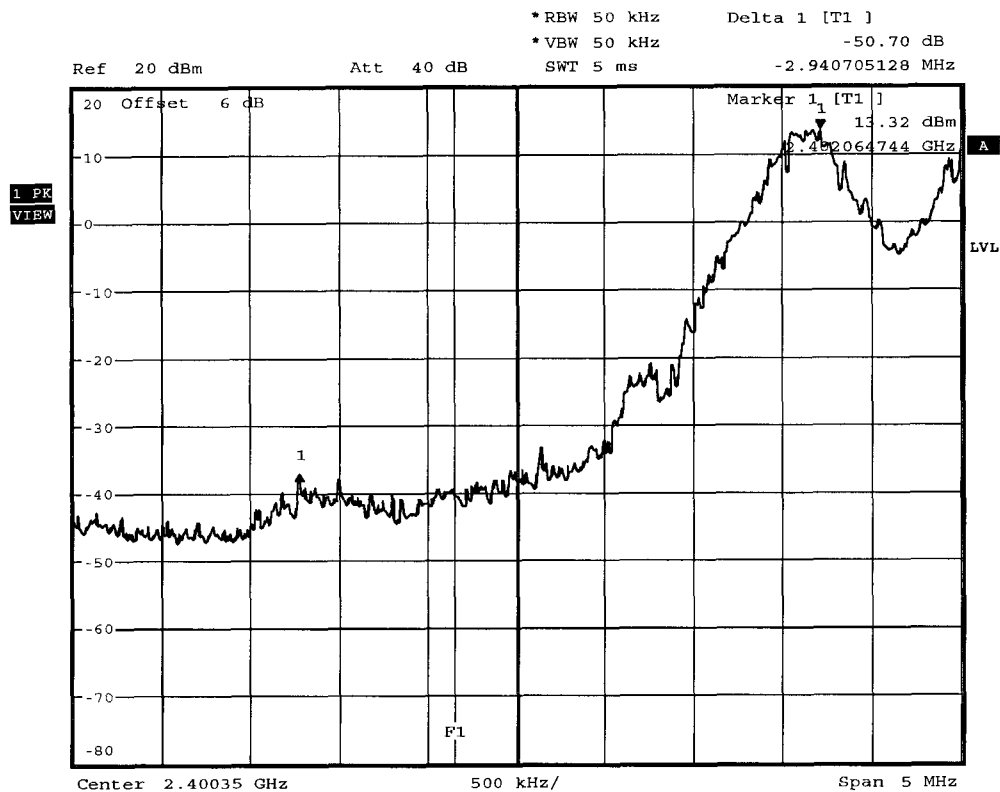


Appendix J

Band-edge compliance

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

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
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	Hopping mode



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

Date: 22.DEC.2006 09:10:13

Measurement diagram

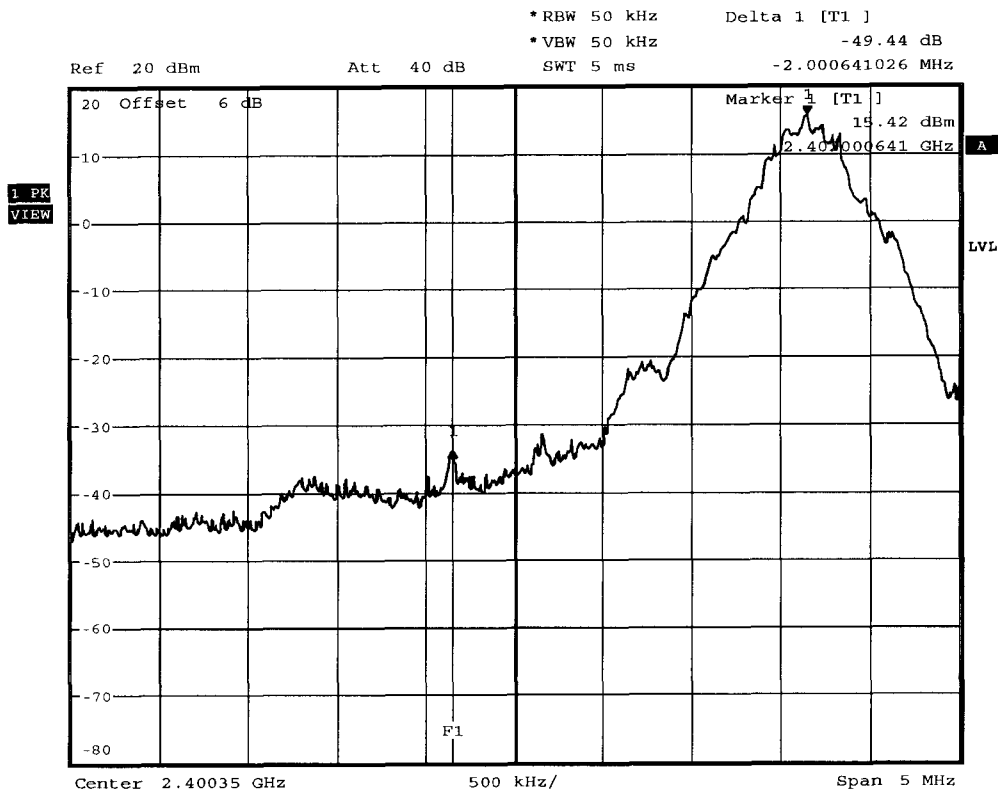
ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

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FCC part 15.247

Band-edge compliance of RF conducted emissions

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
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



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

Date: 22.DEC.2006 09:12:02

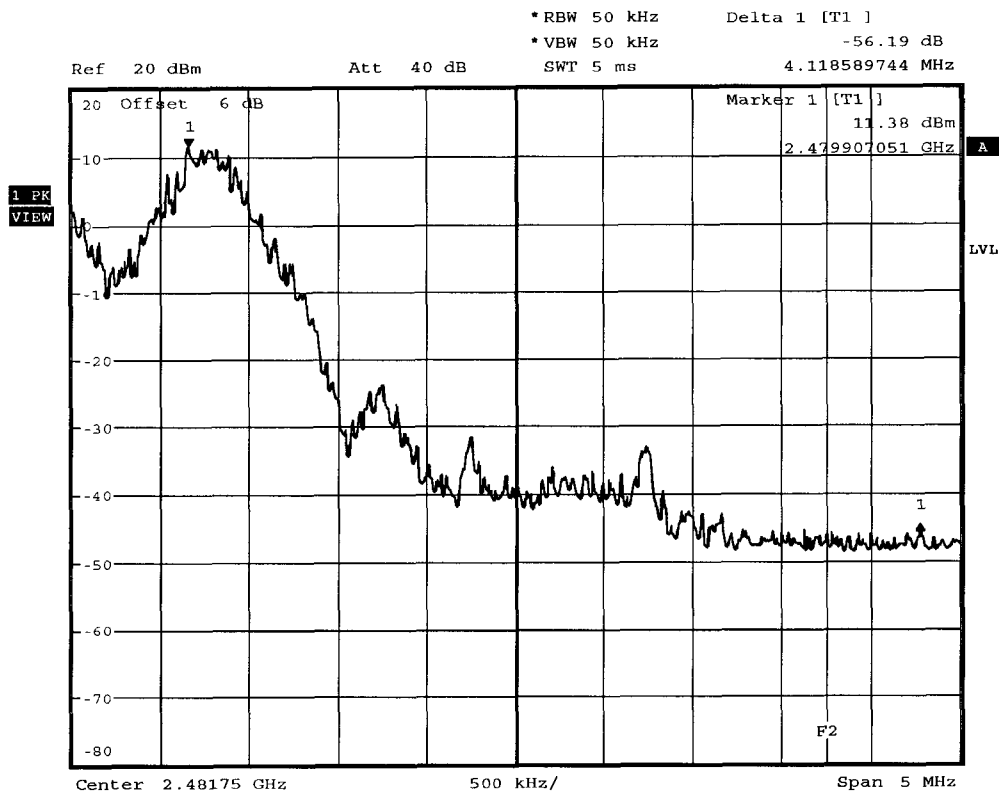
Measurement diagram

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

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

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
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



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

Date: 22.DEC.2006 10:32:37

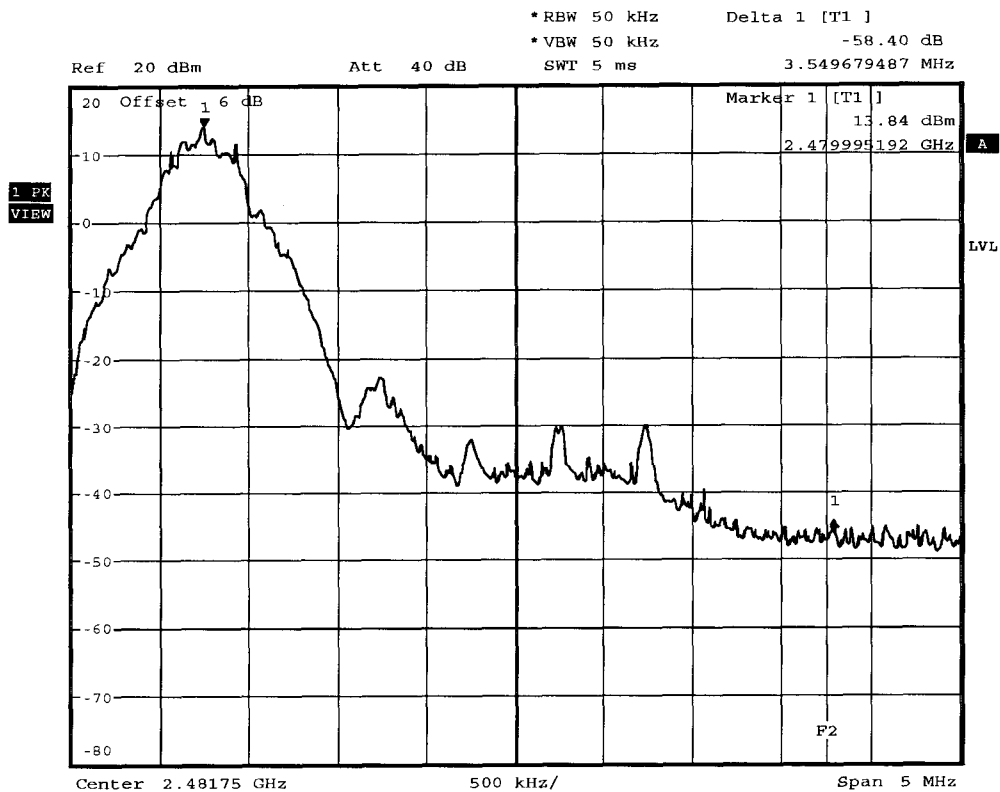
Measurement diagram

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

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

EUT	Bluetooth Air Defender Headset
Model	AK6591/AK6592
Approval Holder	A-Kabel AS
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



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

Date: 22.DEC.2006 10:33:45

Measurement diagram

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

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Appendix K

AC power line conducted emissions

Appendix L

Receiver radiated emissions