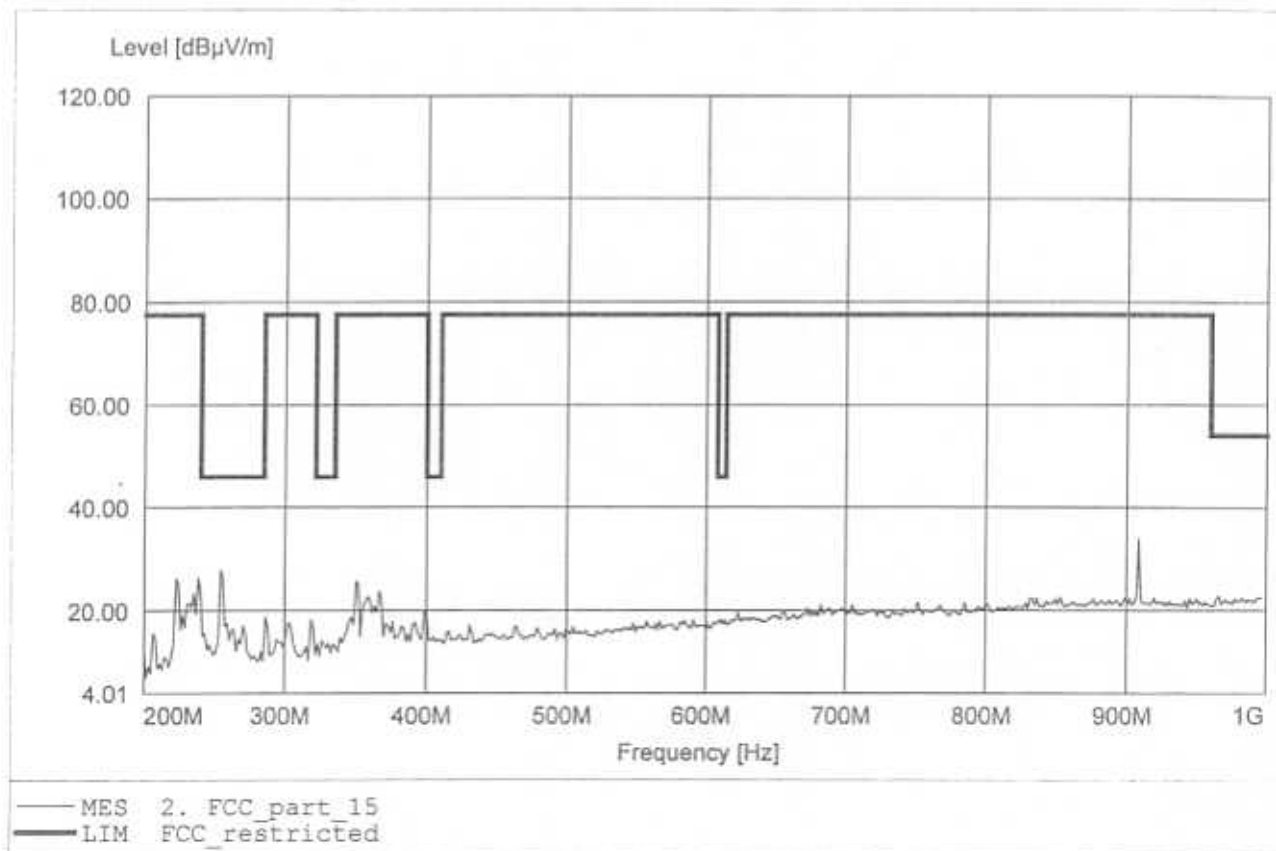


Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 908.617MHz, Emax: 34.00dBµV/m, RBW: 100kHz

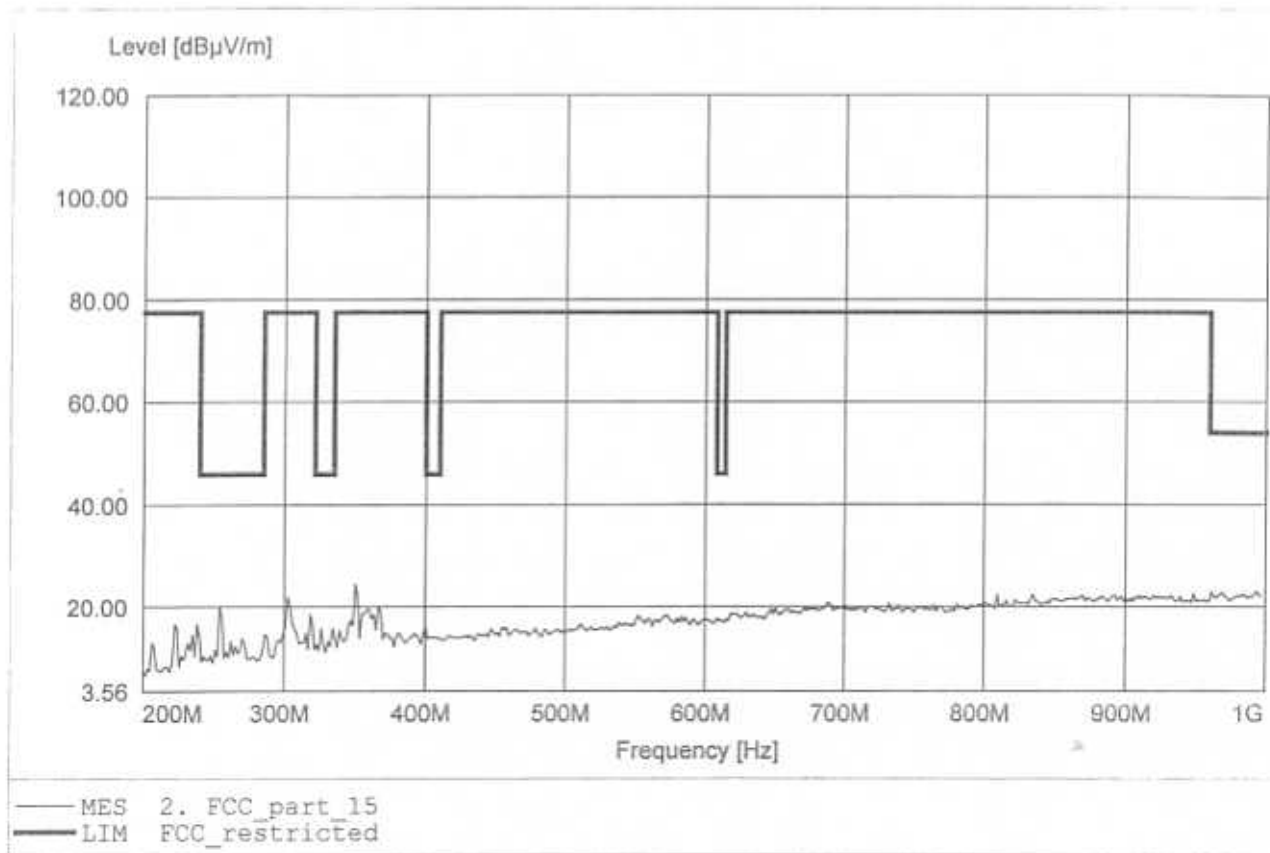


Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

```

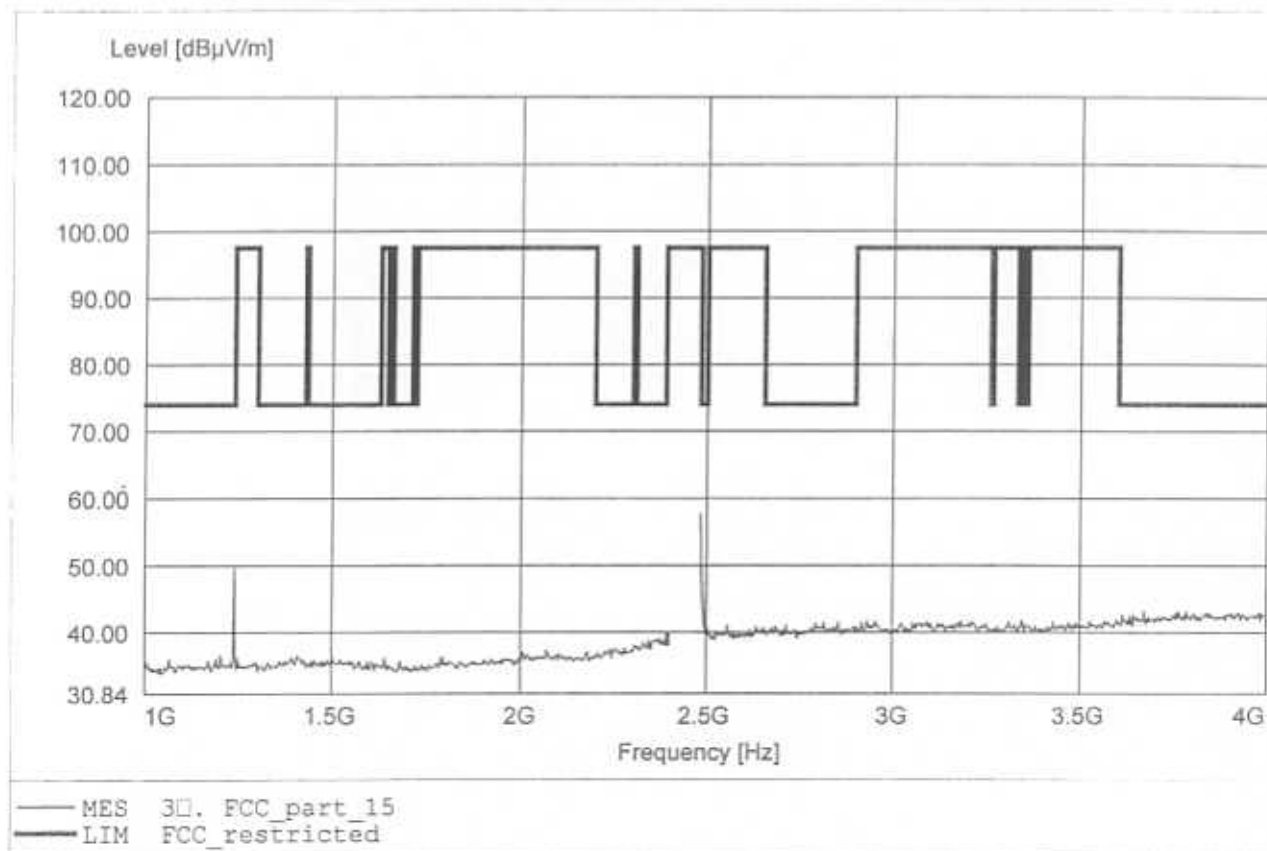
EUT      : Jabra FreeSpeak Bluetooth Wireless Headset      Tx 2480 MHz
Model:    BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C      /      Unom: 3.7 VDC
Test Site / Operator: ETS      /      Mr. F.Schulz
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 350.701MHz, Emax: 24.51dBuV/m, RBW: 100kHz

```



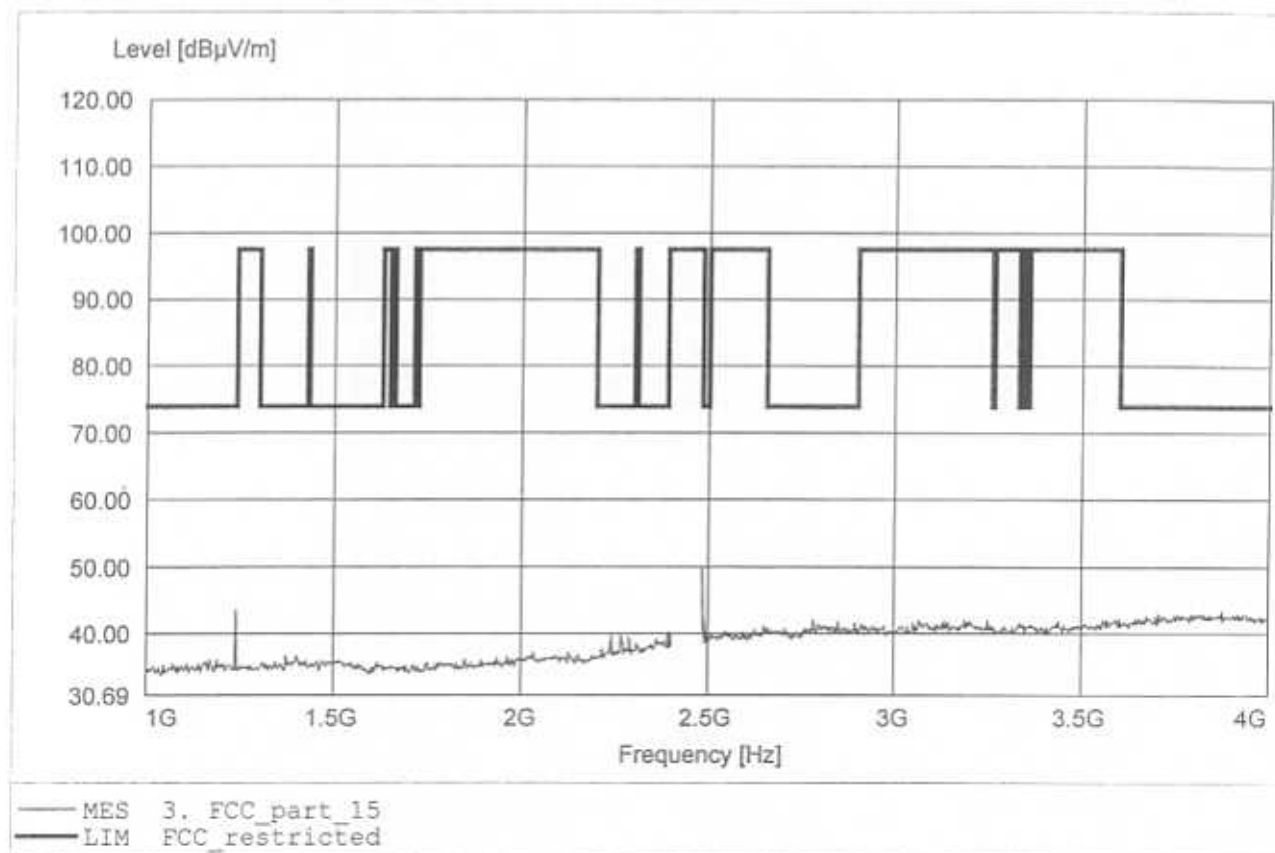
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 57.83dBuV/m, RBW: 1MHz



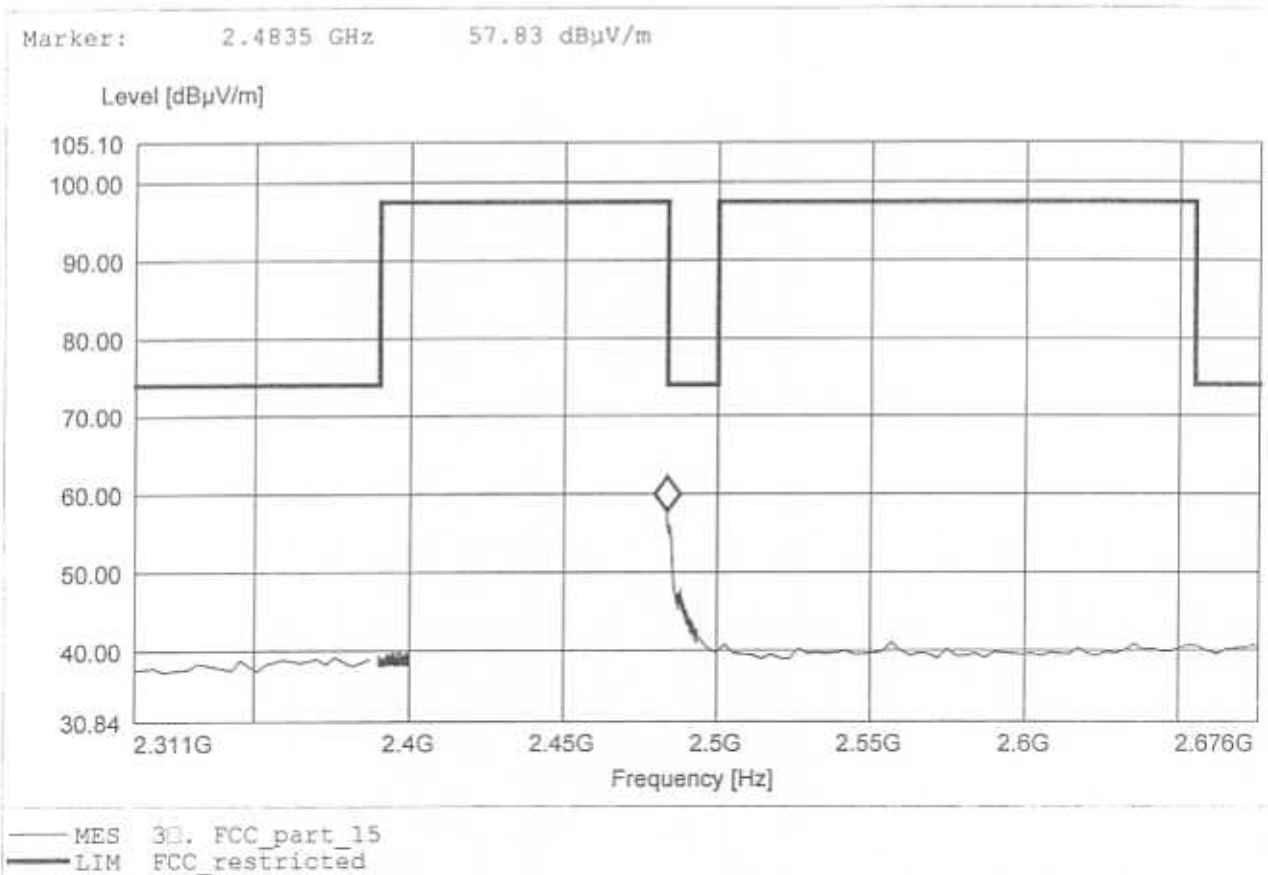
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 49.99dBuV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

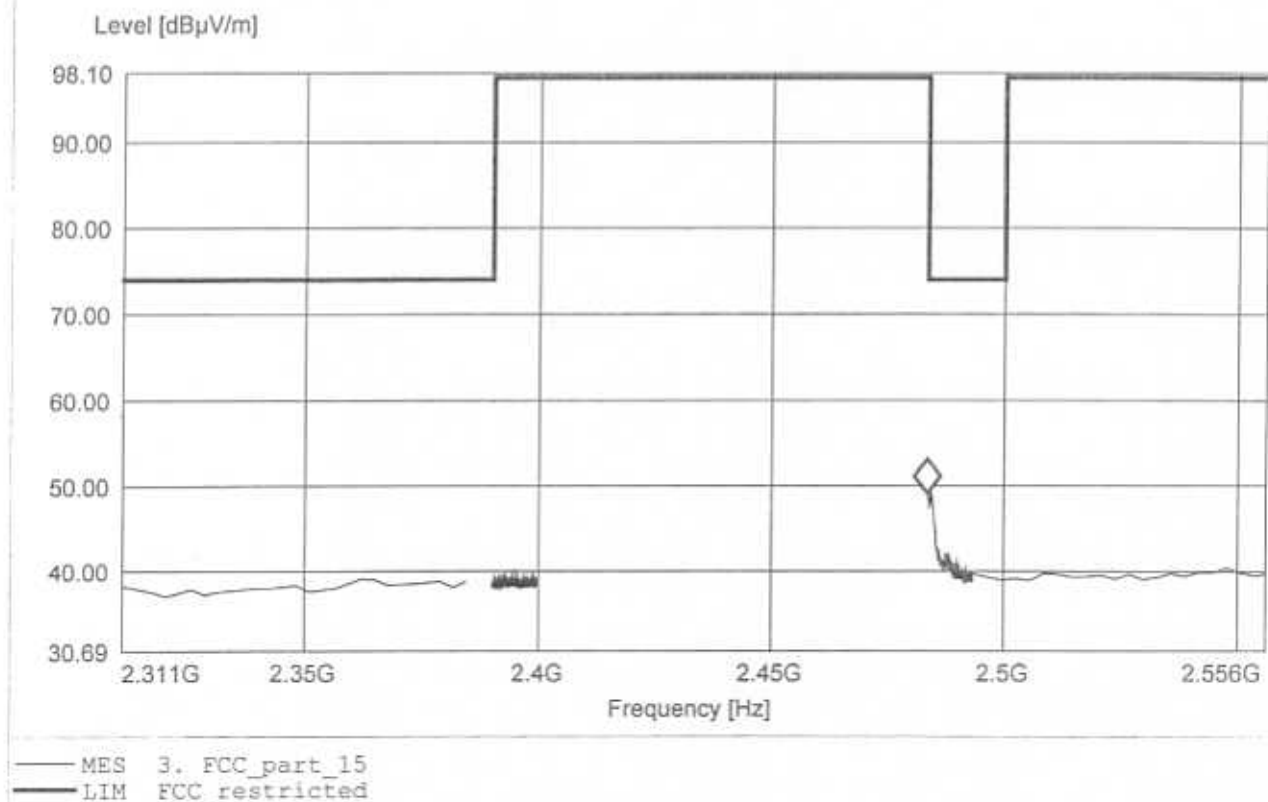
EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to S15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 57.83dBuV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

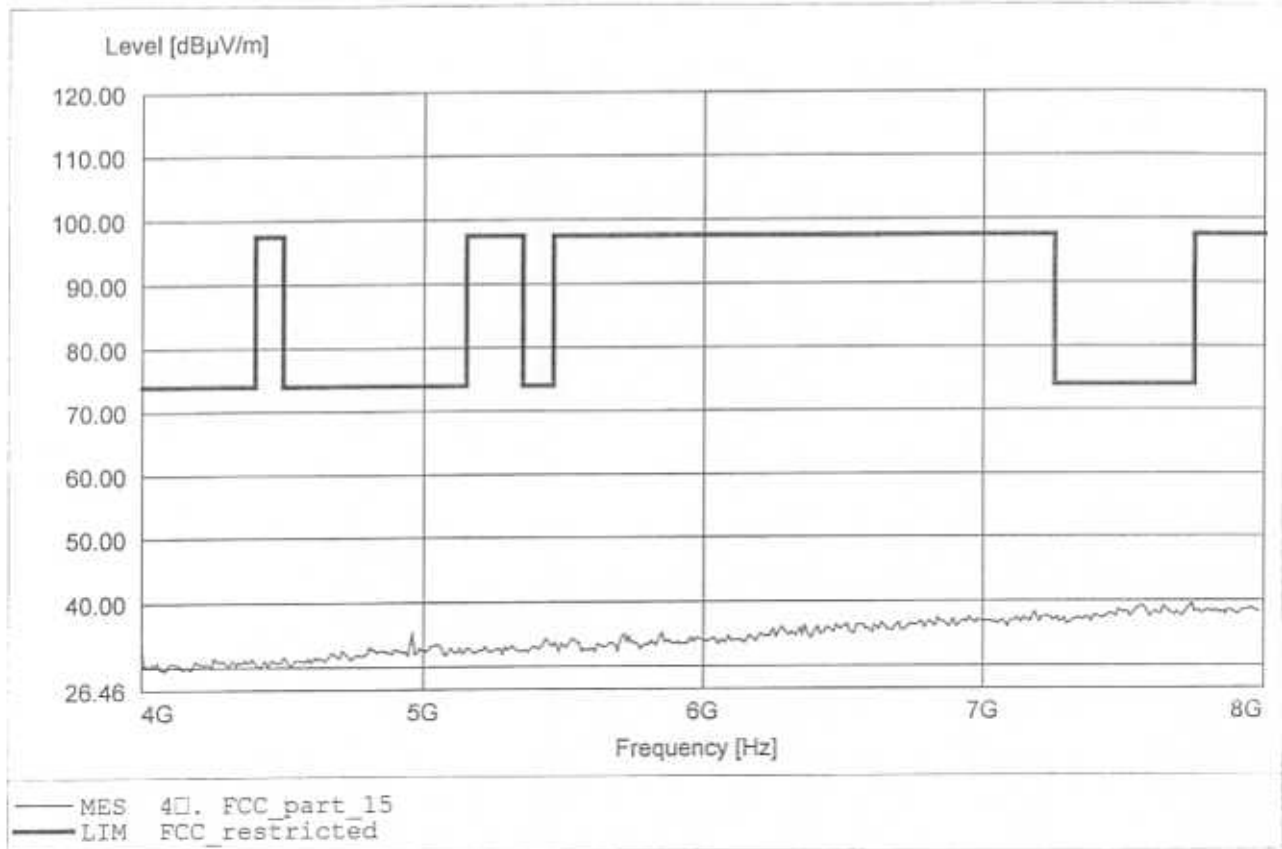
EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 49.99dBμV/m, RBW: 1MHz

Marker: 2.4835 GHz 49.16 dBμV/m



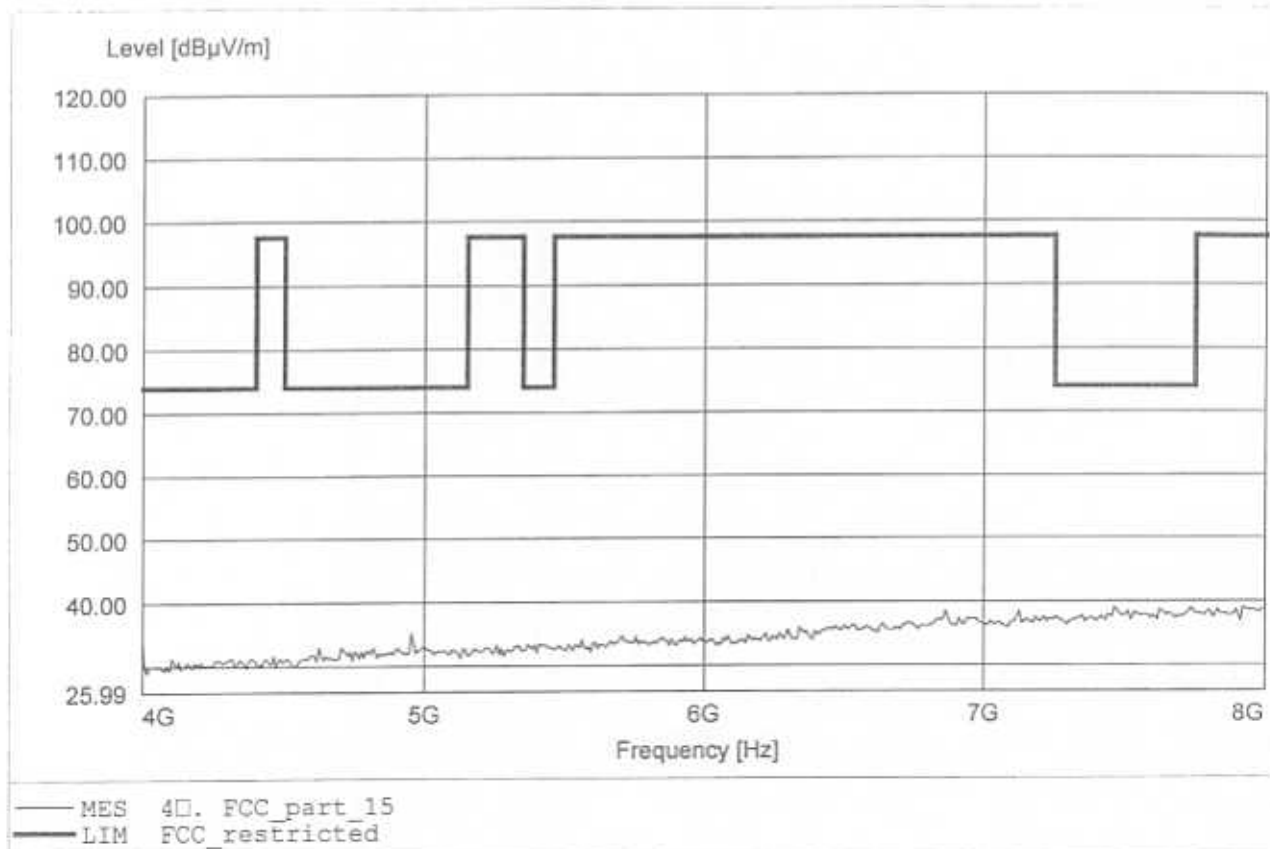
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to S15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 7.743GHz, Emax: 39.64dBμV/m, RBW: 1MHz



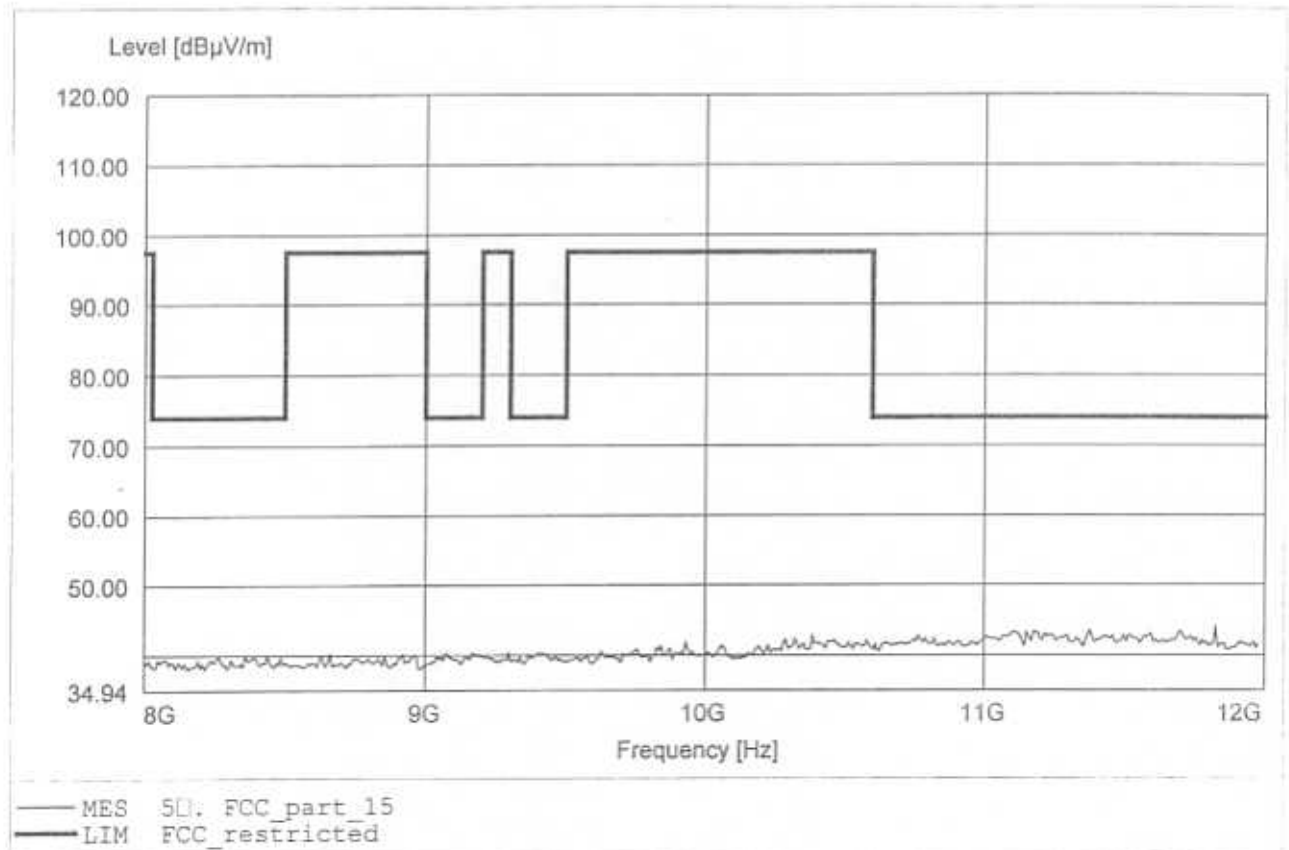
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to S15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 7.463GHz, Emax: 39.12dBuV/m, RBW: 1MHz



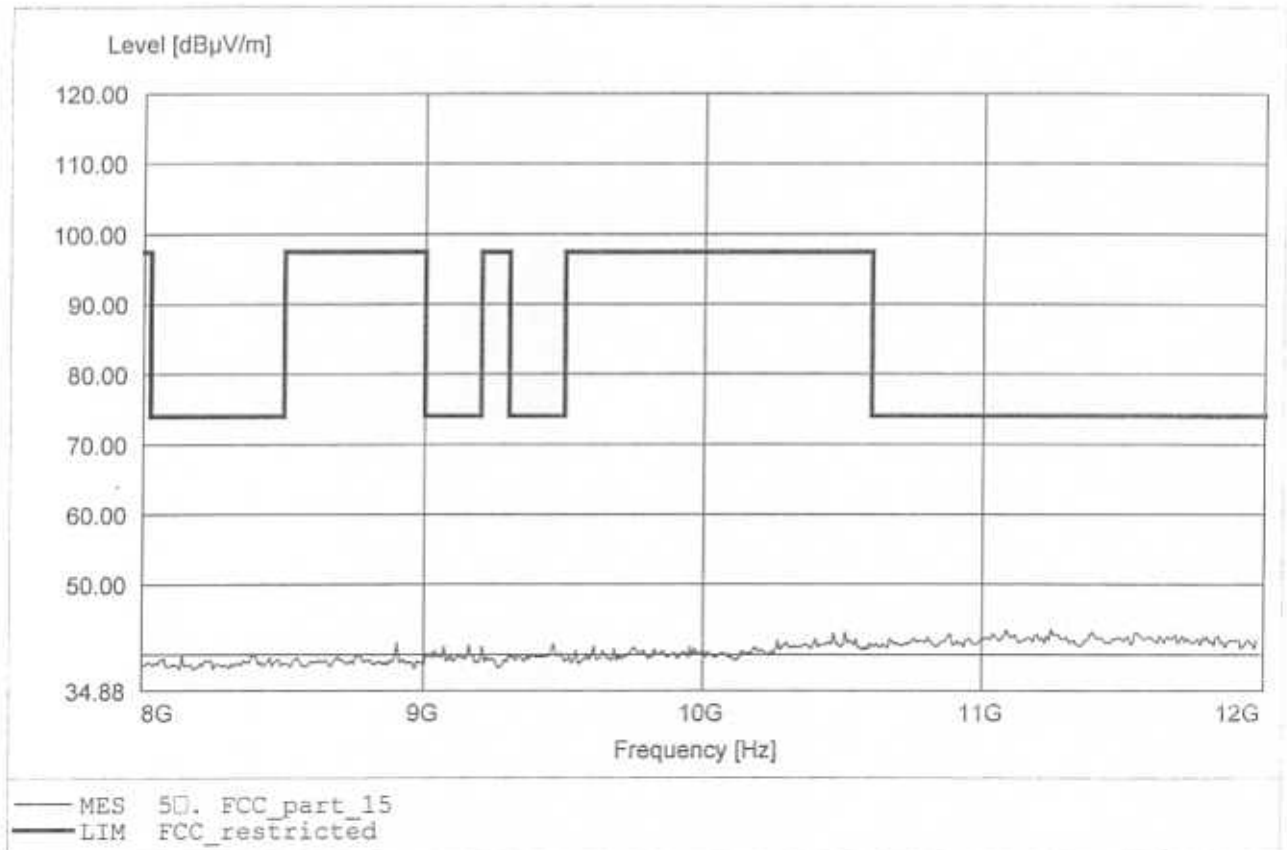
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 11.824GHz, Emax: 44.13dBuV/m, RBW: 1MHz



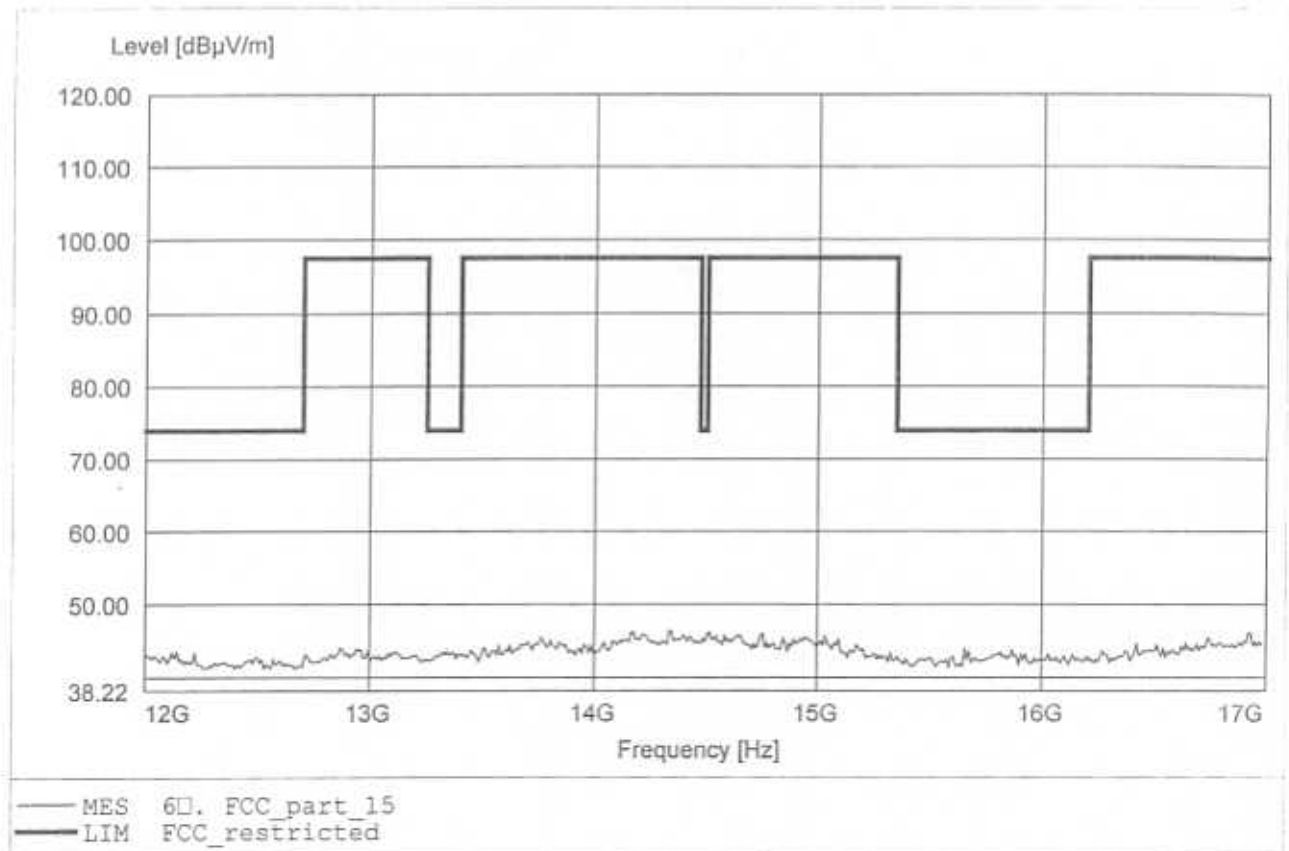
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 11.246GHz, Emax: 43.70dBμV/m, RBW: 1MHz



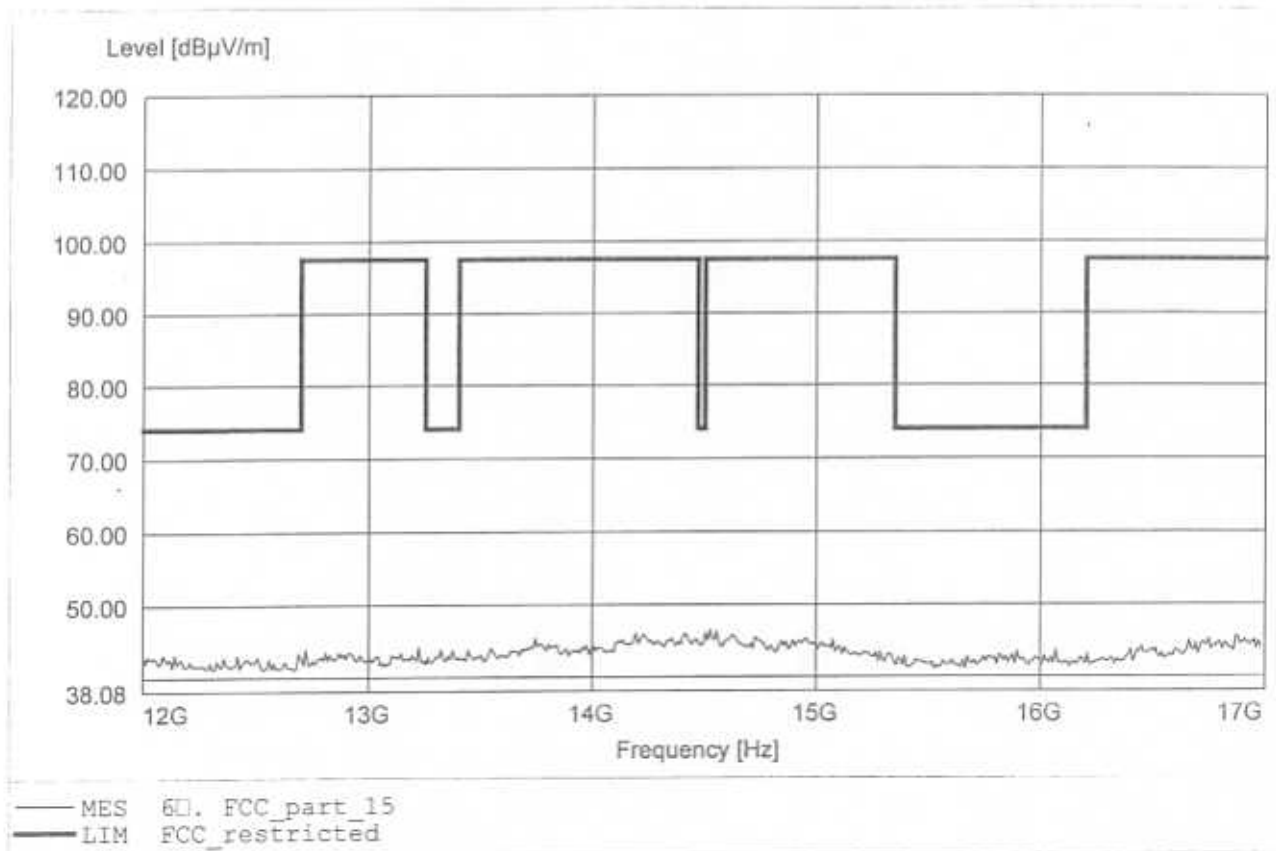
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to S15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 14.345GHz, Emax: 46.39dBuV/m, RBW: 1MHz



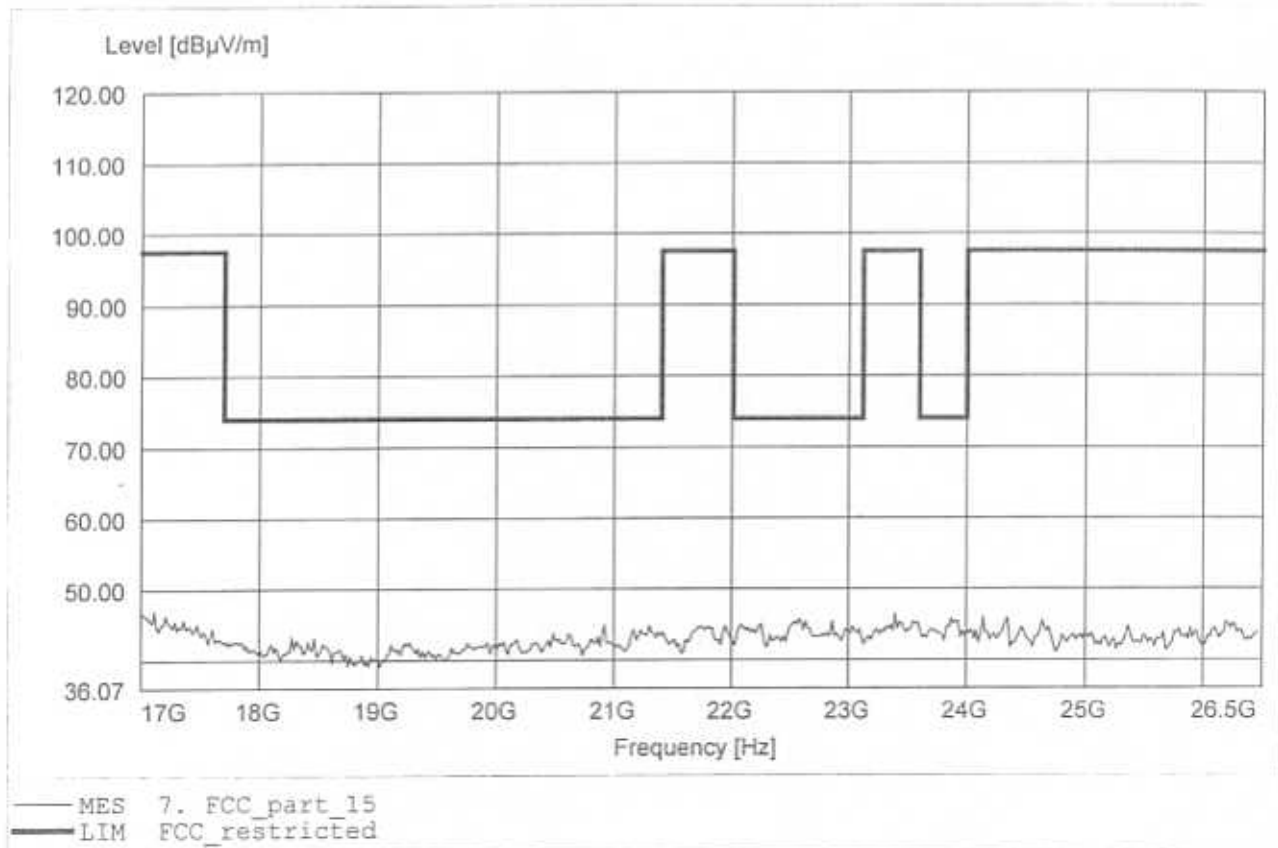
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, ampl.+HP.
Comment 2: Freq: 14.525GHz, Emax: 46.54dBμV/m, RBW: 1MHz



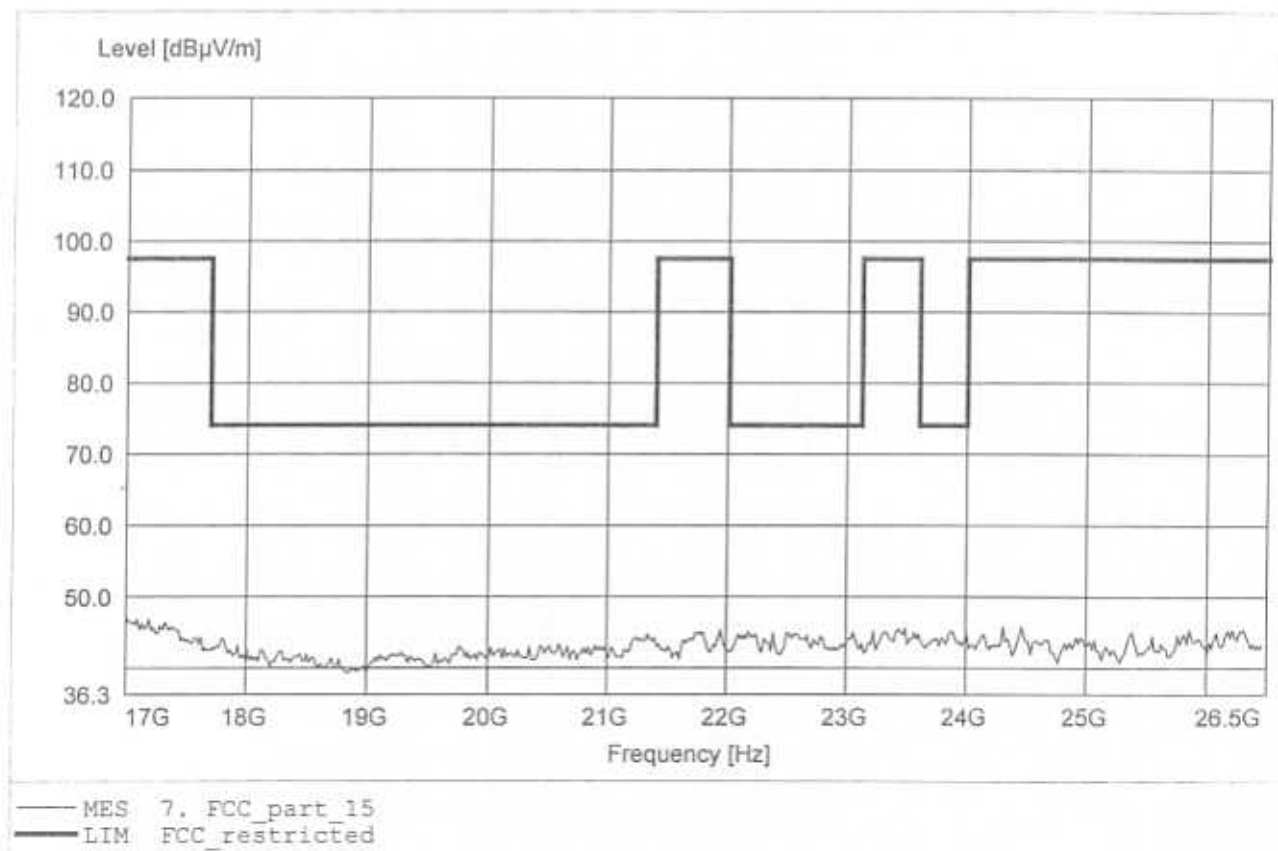
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to S15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.114GHz, Emax: 46.98dBμV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2480 MHz
Model: BT200A
Approval Holder: GN Netcom A/S
Operating Condition: Tnom:23°C / Unom: 3.7 VDC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 47.33dBµV/m, RBW: 1MHz

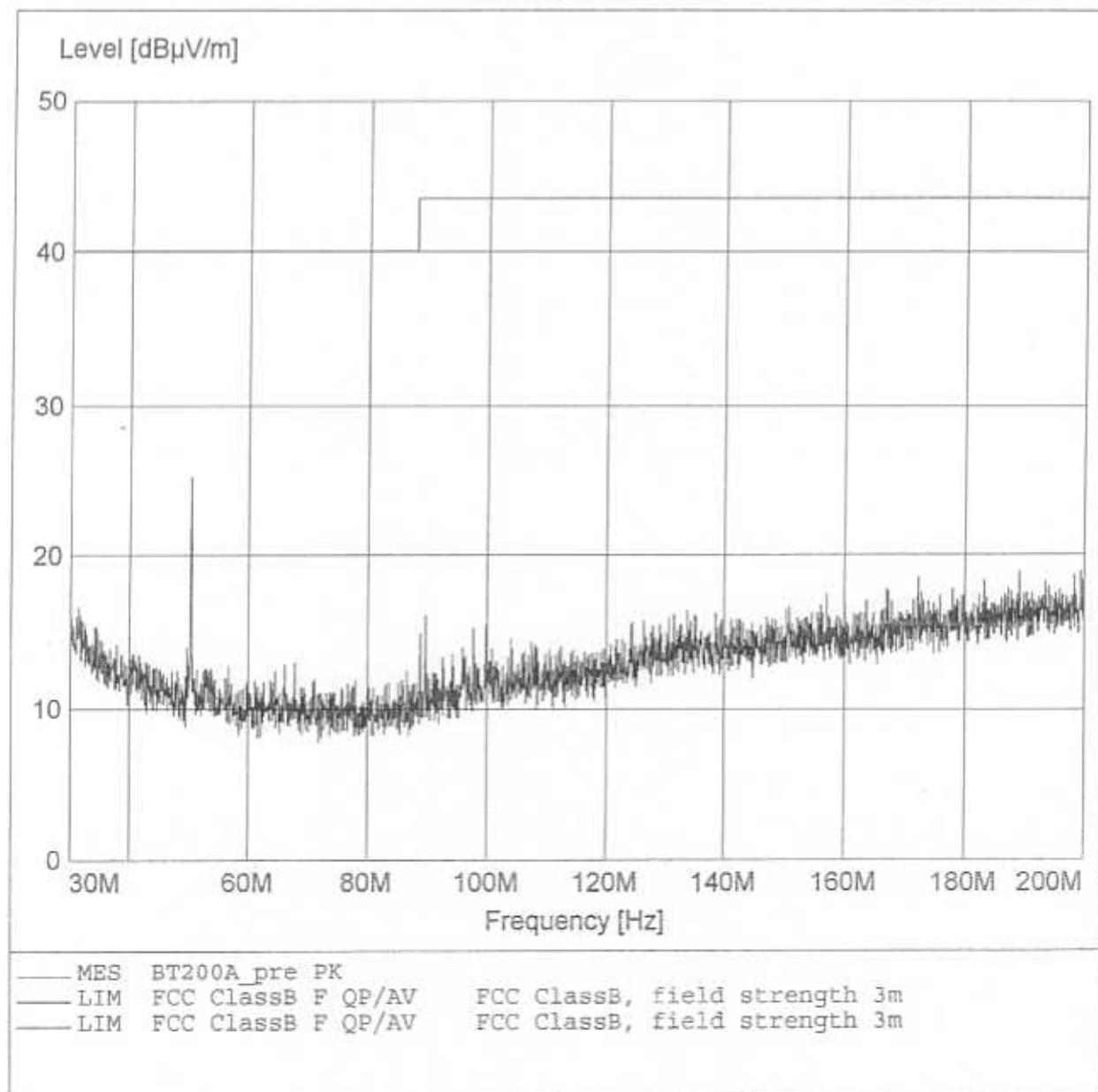


Appendix D

Spurious Emissions radiated – Charging mode

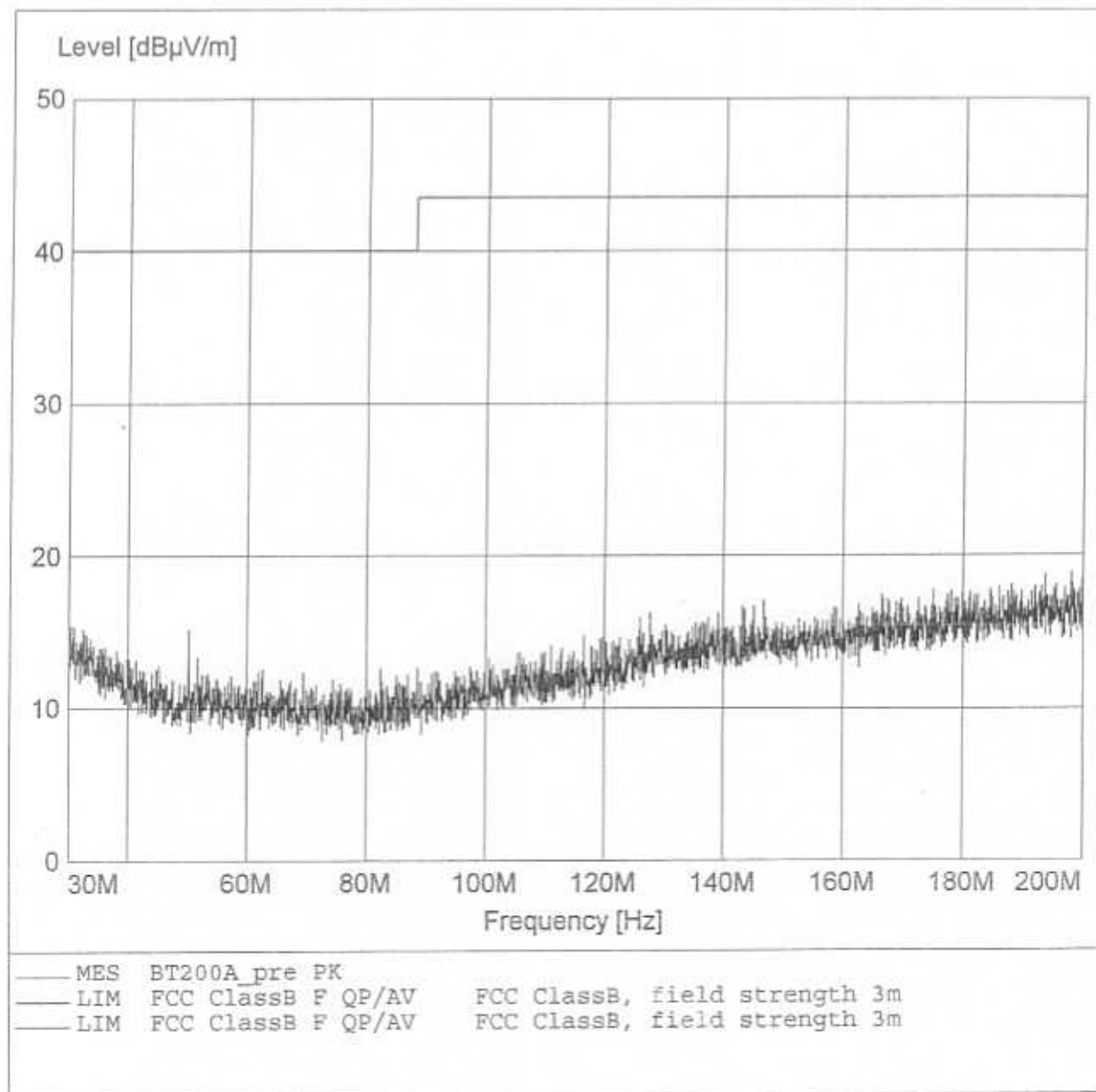
*Spurious emission under normal conditions
according to FCC part 15*

EUT: JABRA FREESPEAK BLUETOOTH PHONE DONGLE
Manufacturer: GN NETCOM A/S
Operating Condition: Unom: 120 VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HK 116, vertical
Comment: model: BT200A mode: charging



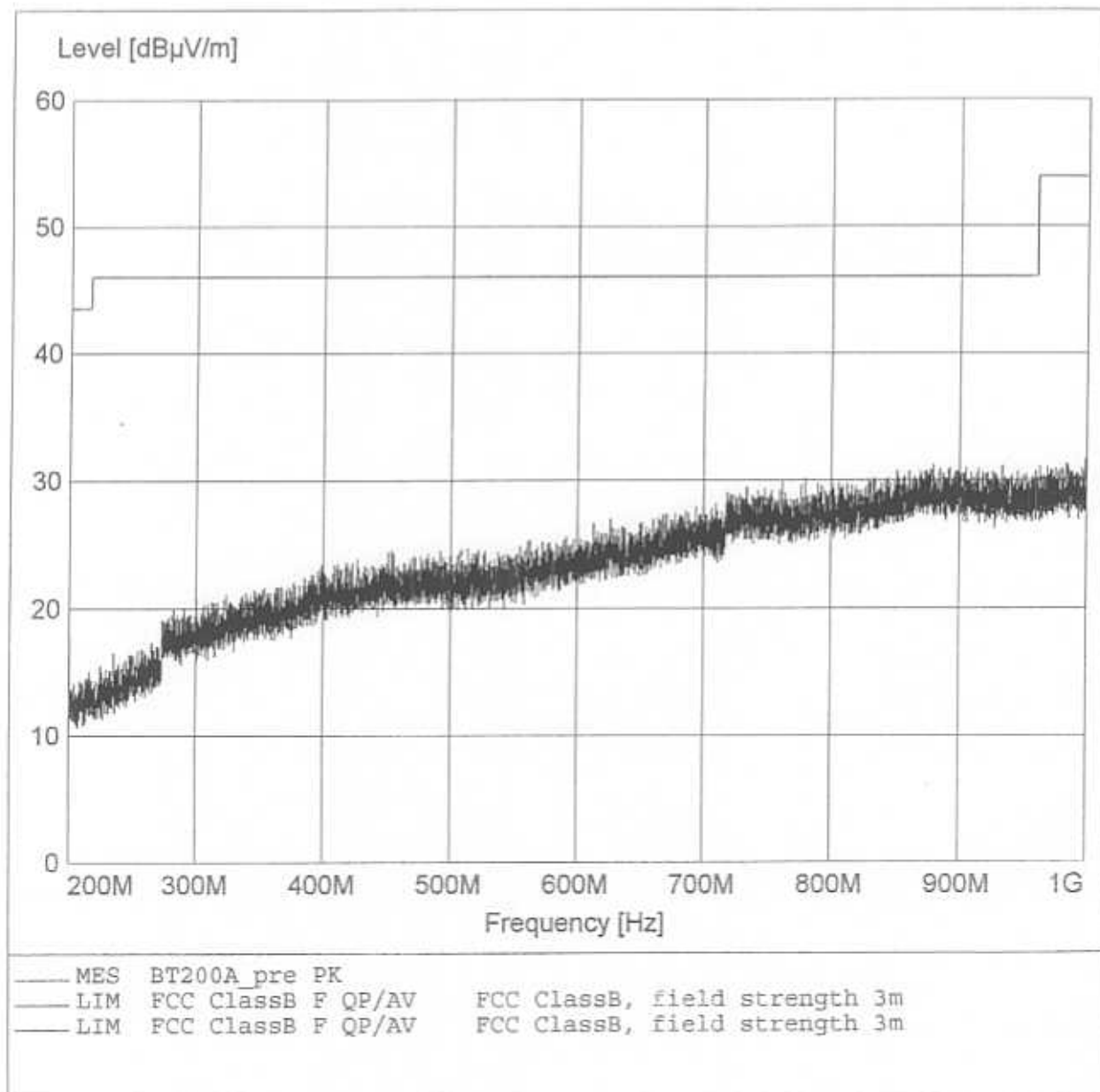
*Spurious emission under normal conditions
according to FCC part 15*

EUT: JABRA FREESPEAK BLUETOOTH PHONE DONGLE
Manufacturer: GN NETCOM A/S
Operating Condition: Unom: 120 VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HK 116, horizontal
Comment: model: BT200A mode: charging



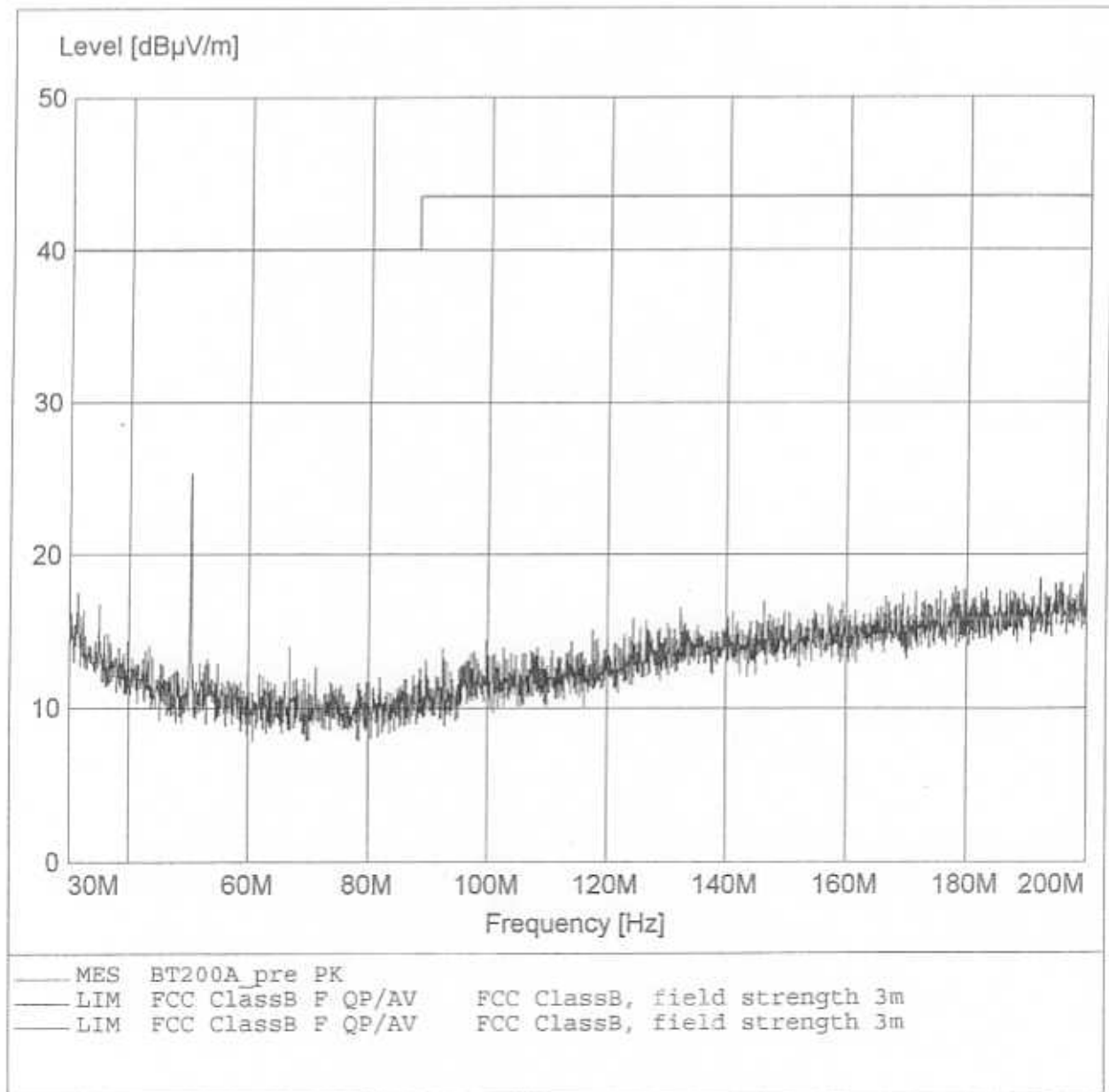
*Spurious emission under normal conditions
according to FCC part 15*

EUT: JABRA FREESPEAK BLUETOOTH PHONE DONGLE
Manufacturer: GN NETCOM A/S
Operating Condition: Unom: 120 VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HL 223, vertical/horizontal
Comment: model: BT200A mode: charging



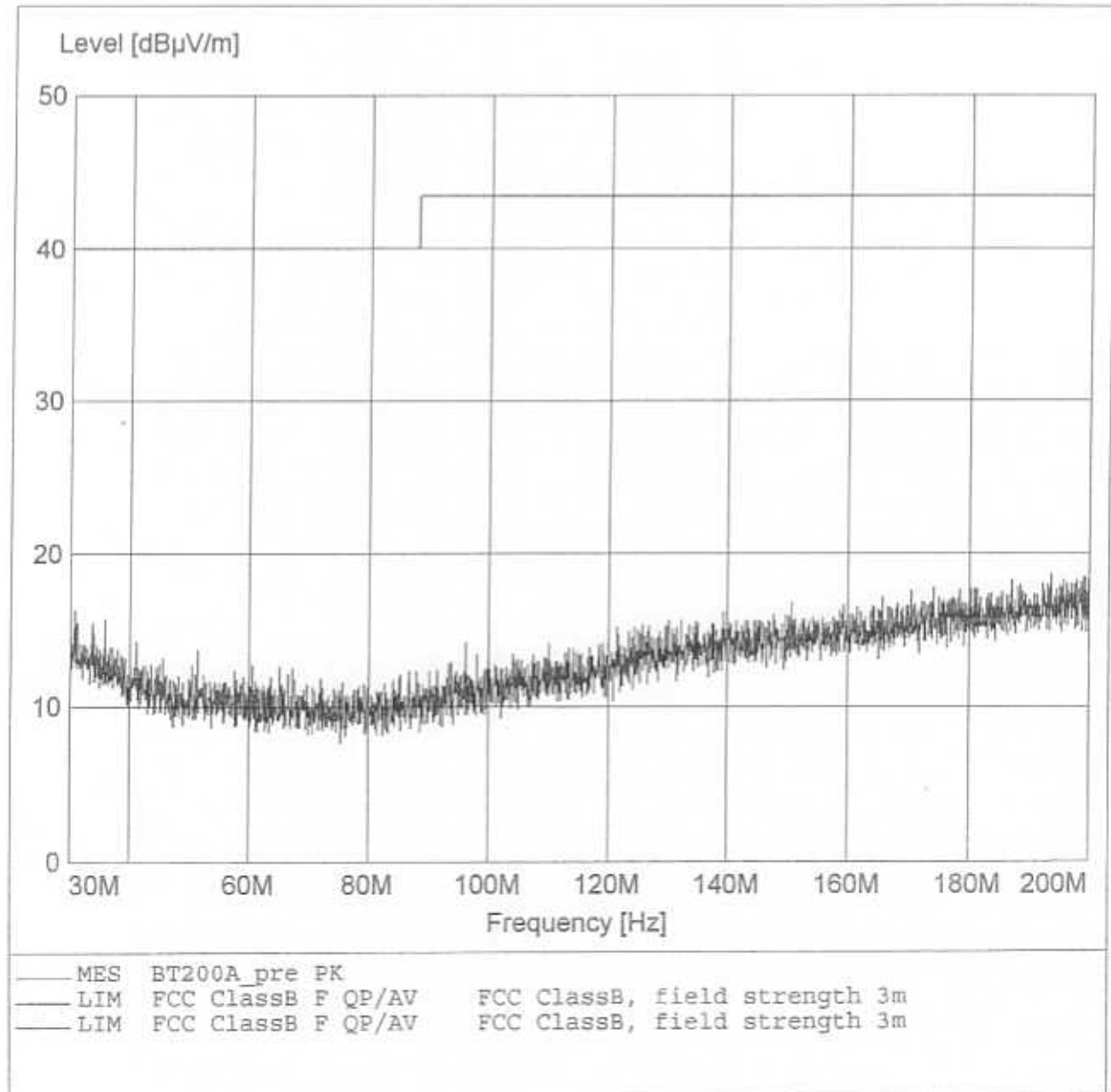
*Spurious emission under normal conditions
according to FCC part 15*

EUT: JABRA FREESPEAK BLUETOOTH PHONE DONGLE
Manufacturer: GN NETCOM A/S
Operating Condition: Unom: 120 VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HK 116, vertical
Comment: model: BT200A mode: charging(with headset)



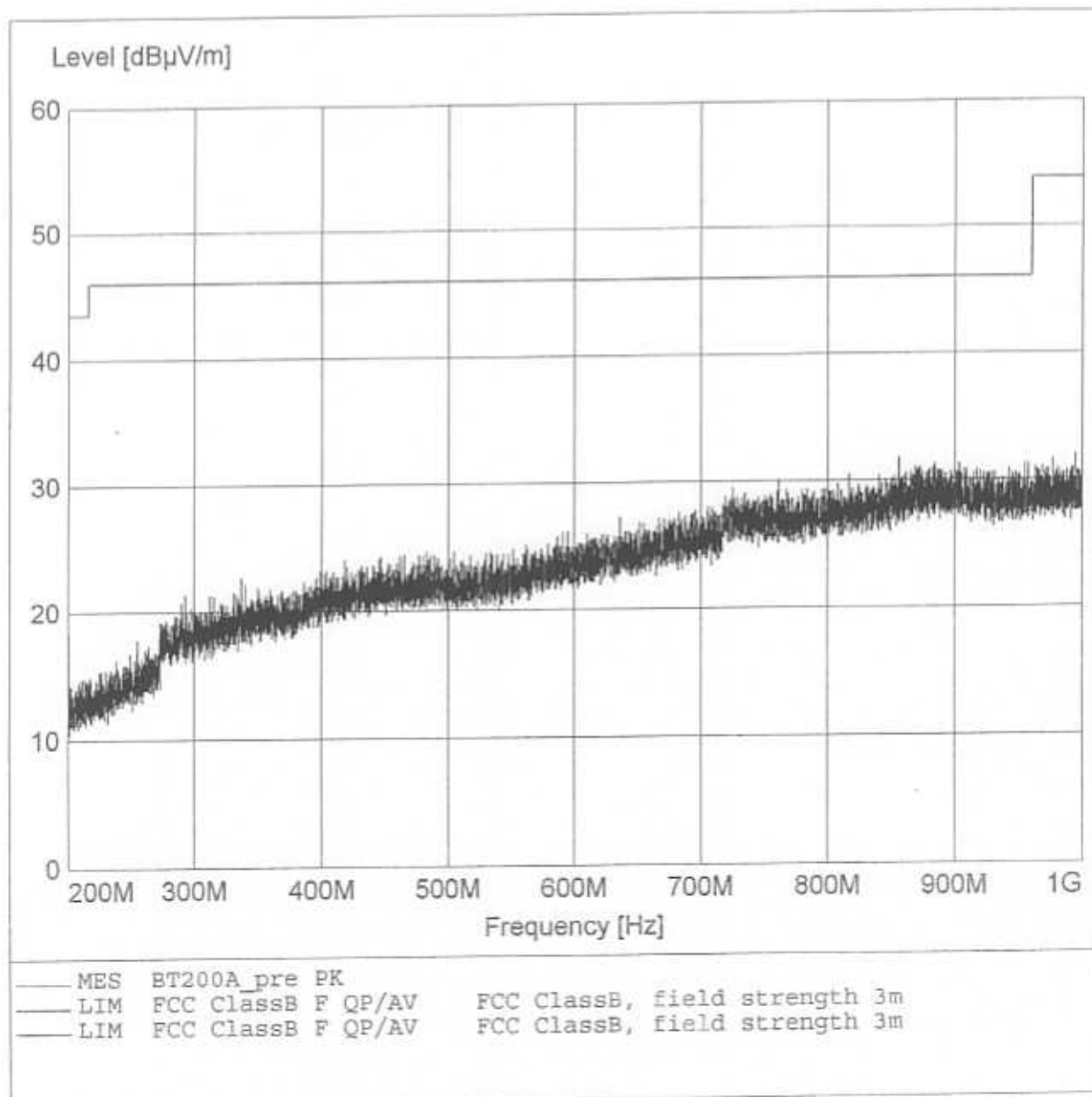
*Spurious emission under normal conditions
according to FCC part 15*

EUT: JABRA FREESPEAK BLUETOOTH PHONE DONGLE
Manufacturer: GN NETCOM A/S
Operating Condition: Unom: 120 VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HK 116, horizontal
Comment: model: BT200A mode: charging(with headset)



*Spurious emission under normal conditions
according to FCC part 15*

EUT: JABRA FREESPEAK BLUETOOTH PHONE DONGLE
 Manufacturer: GN NETCOM A/S
 Operating Condition: Unom: 120 VAC, Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Marquardt
 Test Specification: Ant: HL 223, vertical/horizontal
 Comment: model: BT200A mode: charging(with headset)



Appendix E

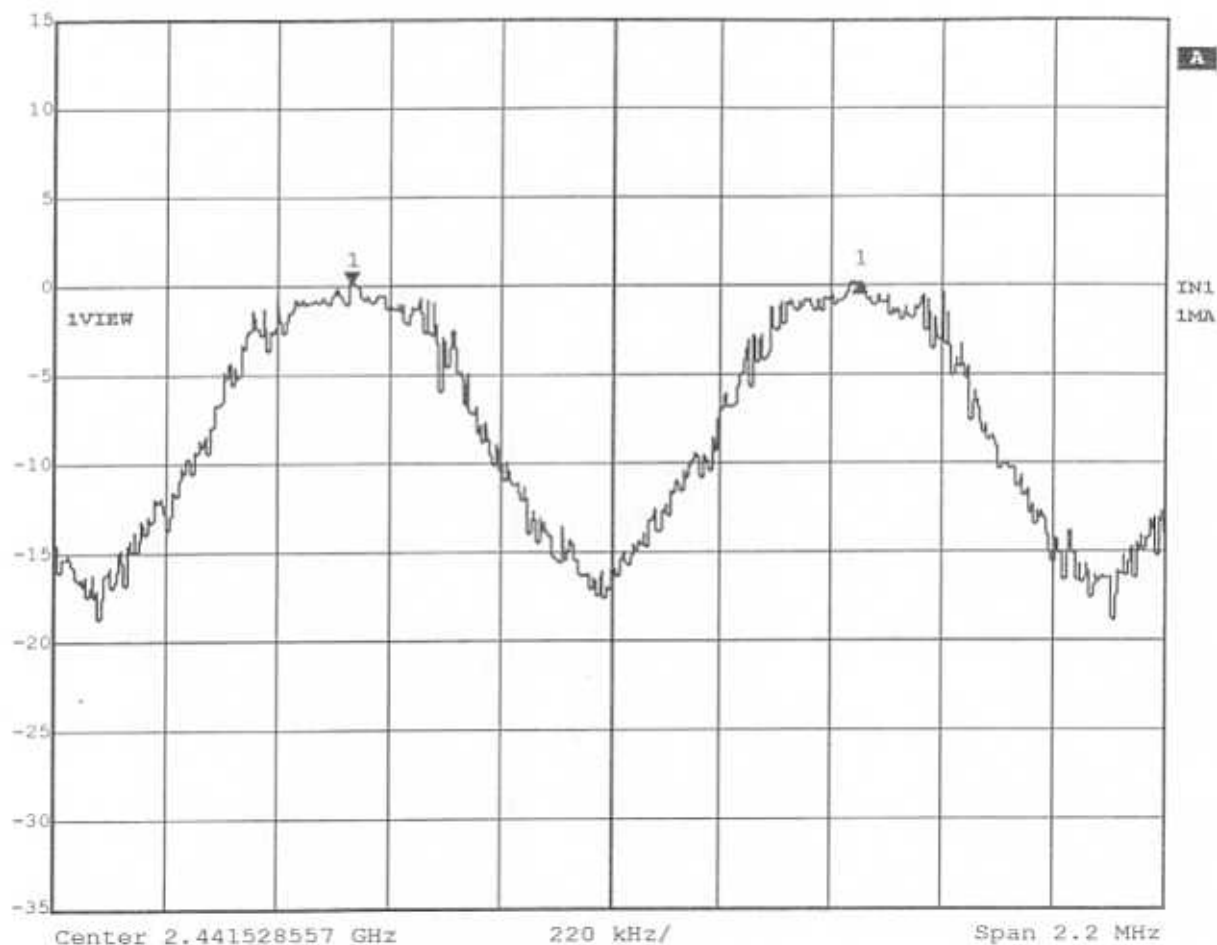
Spurious Emissions conducted - Transmitter operating

Appendix F

Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.03 dB VBW 100 kHz
15 dBm 1.00961924 MHz SWT 5 ms Unit dBm



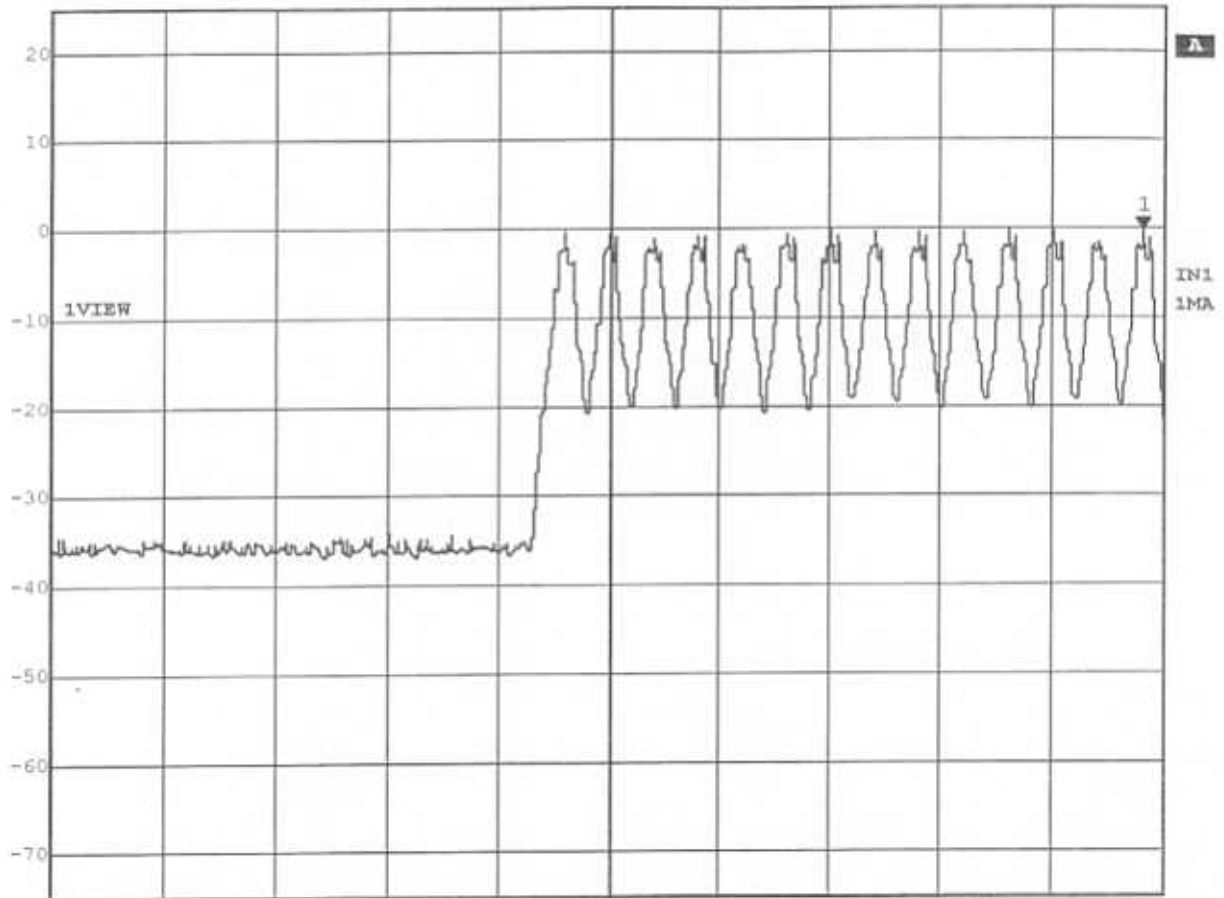
Title: Carrier Frequency Separation
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:21:50

Appendix G

Number of Hopping Frequencies



Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -0.47 dBm VBW 50 kHz
25 dBm 2.41504910 GHz SWT 25 ms Unit dBm



Center 2.403 GHz

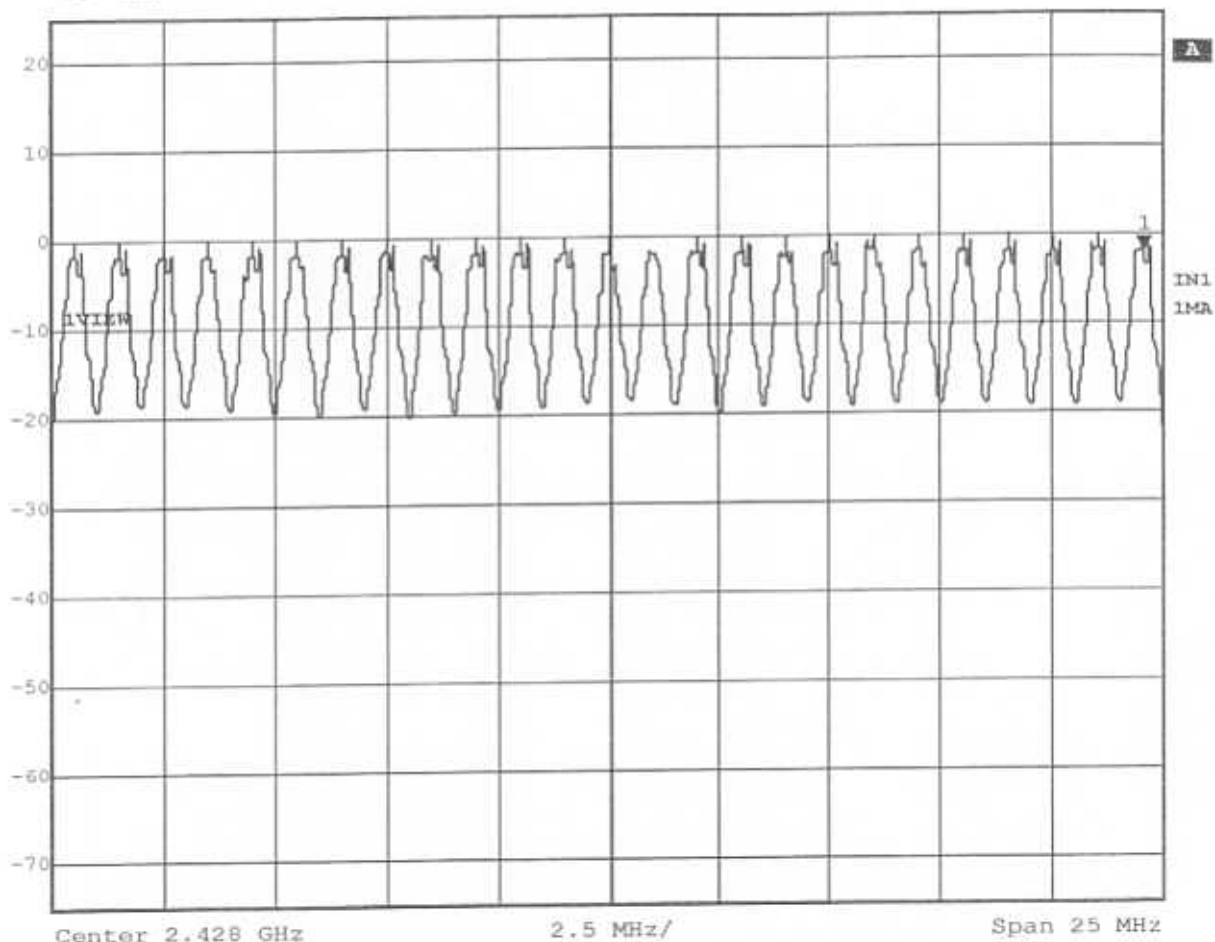
2.5 MHz/

Span 25 MHz

Title: Number of Hopping Frequencies Ch.: 0-13
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:29:27



Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -2.00 dBm VBW 50 kHz
25 dBm 2.44009920 GHz SWT 25 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 14-38
Comment A: GN Netcom A/S
 Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:43:08



Ref Lvl
25 dBm

Marker 1 [T1]

-0.46 dBm

2.46504910 GHz

RBW

50 kHz

VBW

50 kHz

SWT

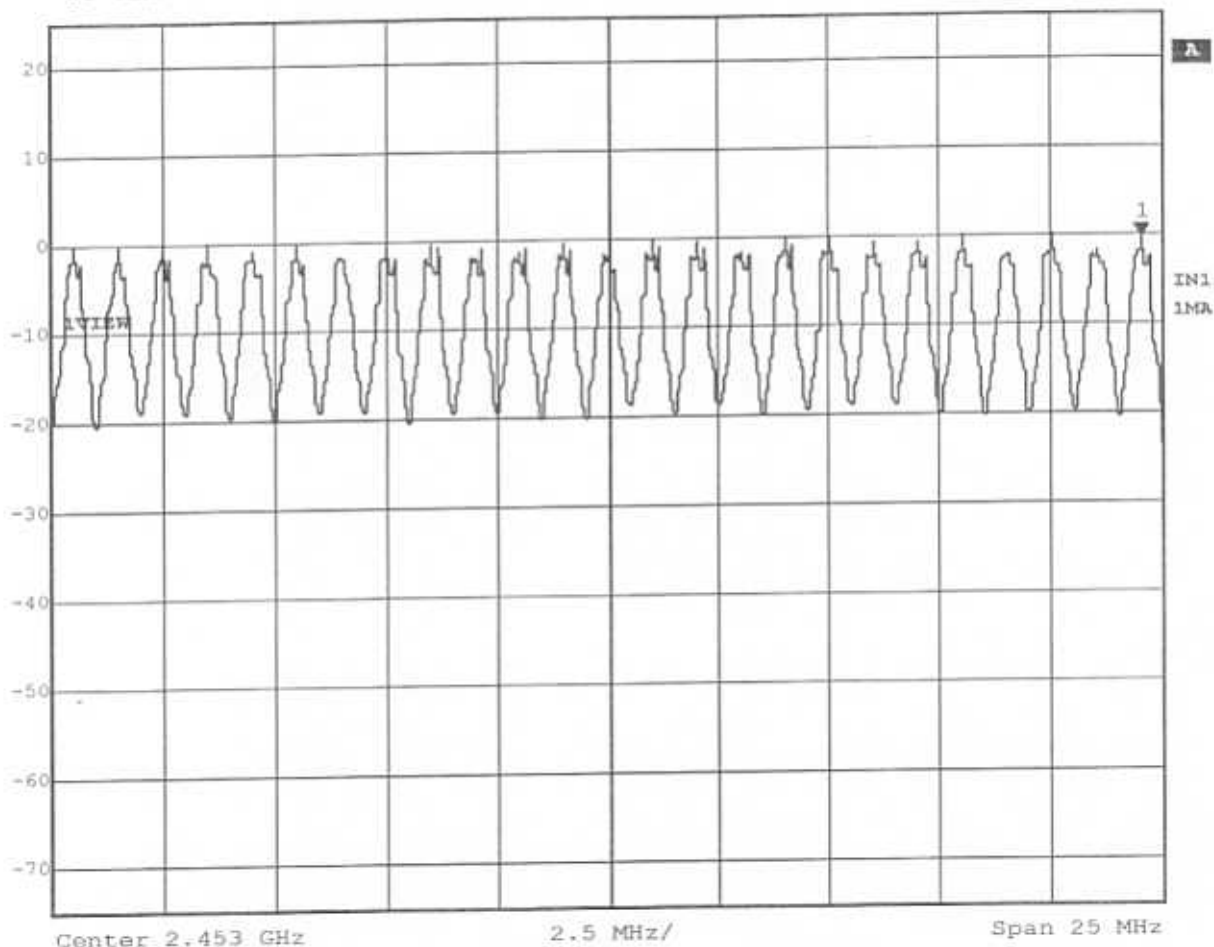
25 ms

RF Att

50 dB

Unit

dBm



Title: Number of Hopping Frequencies Ch.: 39-63

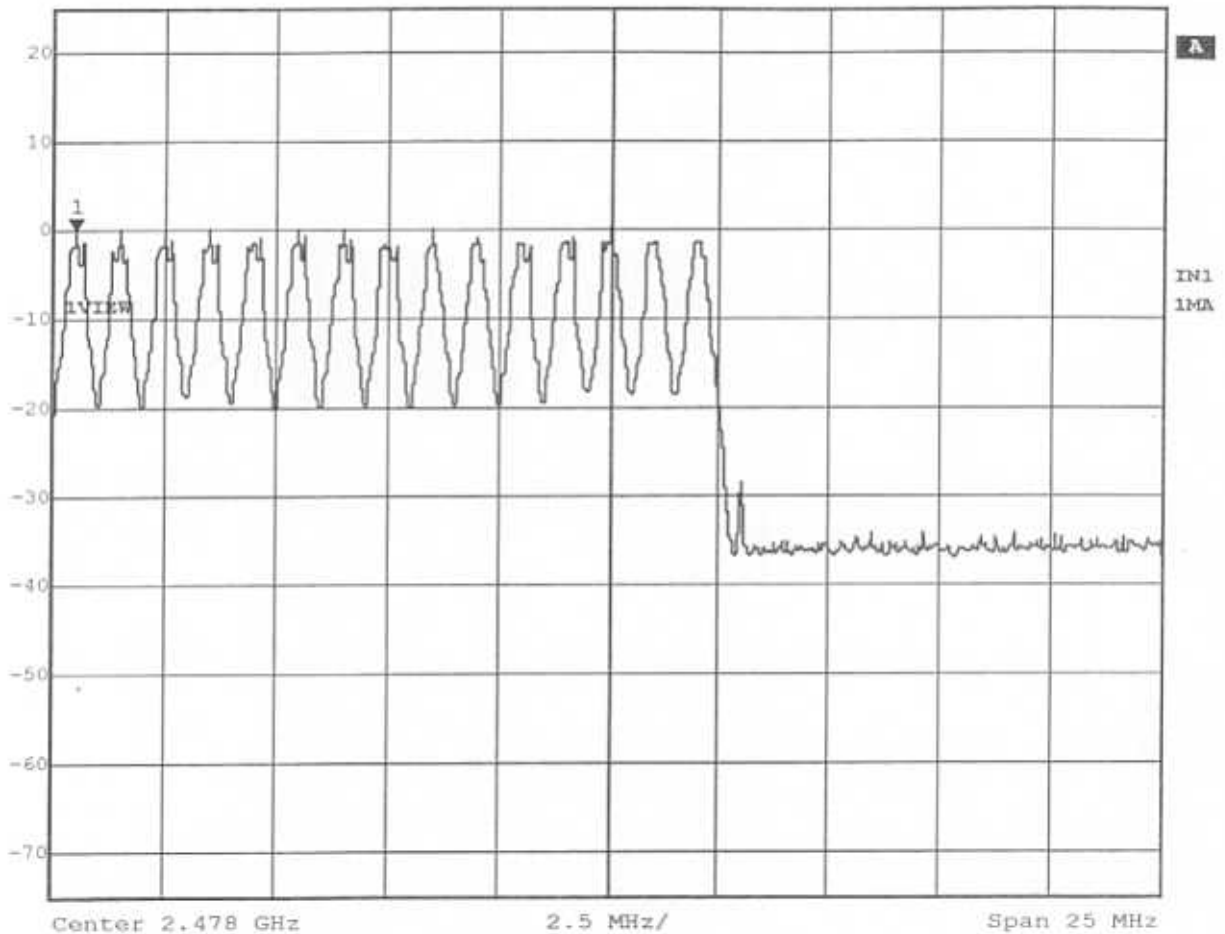
Comment A: GN Netcom A/S

Jabra FreeSpeak Bluetooth Phone Dongle BT200A

Date: 21.AUG.2002 10:50:30



Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -0.21 dBm VBW 50 kHz
25 dBm 2.46600100 GHz SWT 25 ms Unit dBm



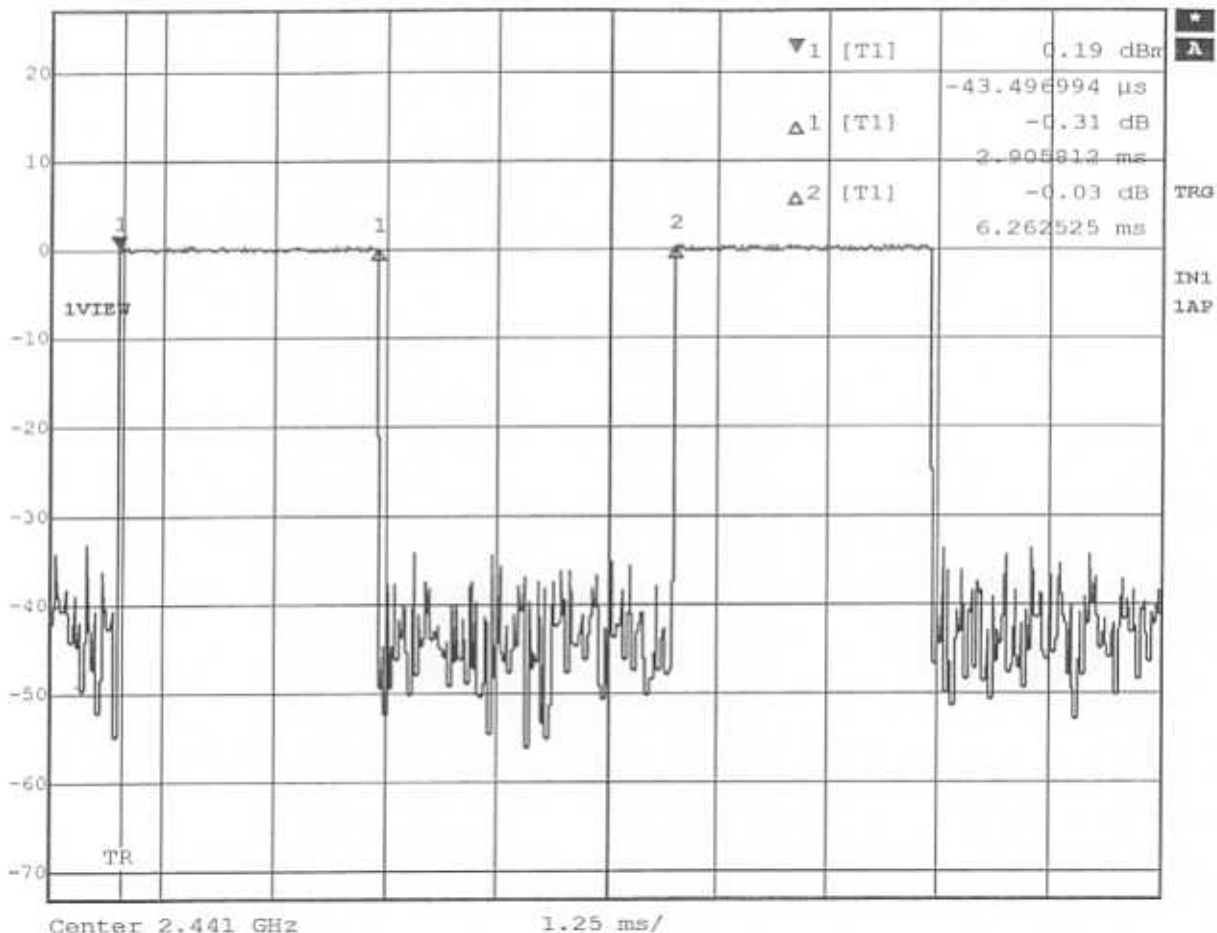
Title: Number of Hopping Frequencies Ch.: 64-78
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:56:53

Appendix H

Time of Occupancy (Dwell Time)



Ref Lvl 27 dBm
Marker 1 [T1] 0.19 dBm
-43.496994 μ s
RBW 1 MHz
VSW 1 MHz
SWT 12.5 ms
RF Att 50 dB
Unit dBm



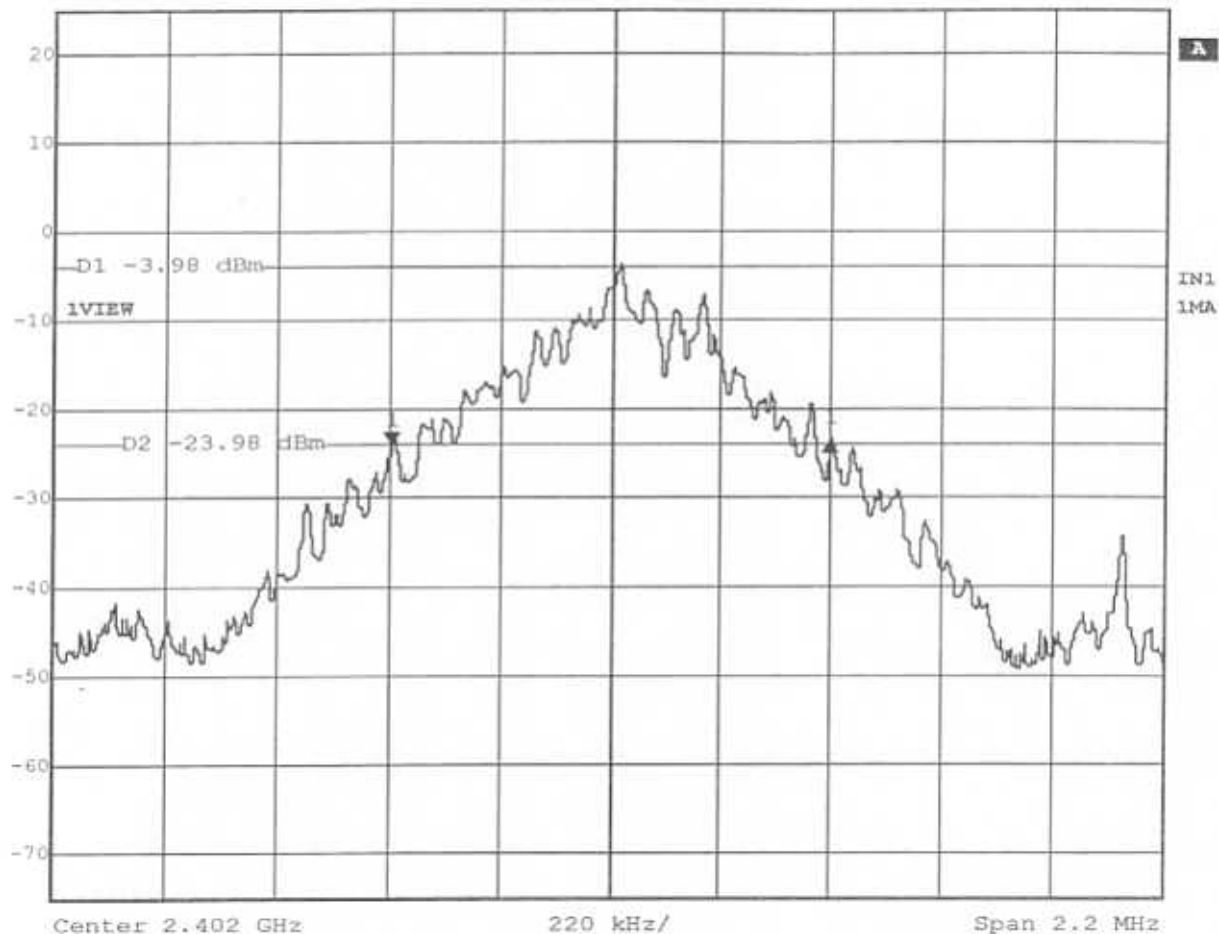
Title: Dwell Time
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:16:34

Appendix I

20dB Bandwidth



Ref Lvl	Delta 1 [T1]	RBW	10 kHz	RF Att	50 dB
25 dBm	0.21 dB	VEW	10 kHz		
	872.94589178 kHz	SWT	56 ms	Unit	dBm



Title: -20 dB Bandwidth Ch.: 0

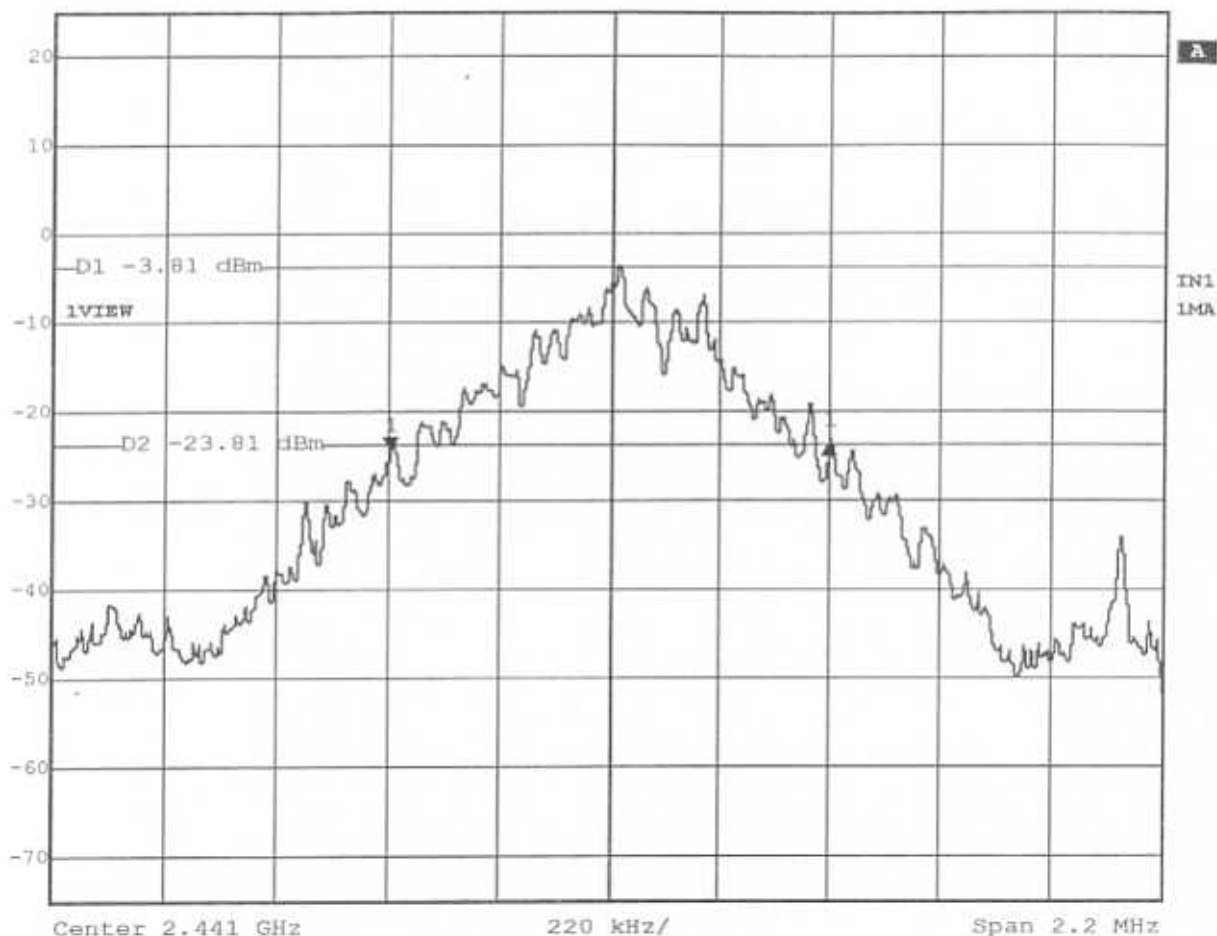
Comment A: GN Netcom A/S

Jabra FreeSpeak Bluetooth Phone Dongle BT200A

Date: 21.AUG.2002 10:06:27



Delta 1 [T1]	RBW	10 kHz	RF Att	50 dB
Ref Lvl	0.51 dB	VSW	10 kHz	
25 dBm	872.94589178 kHz	SWT	56 ms	Unit
				dBm



Title: -20 dB Bandwidth Ch.: 39

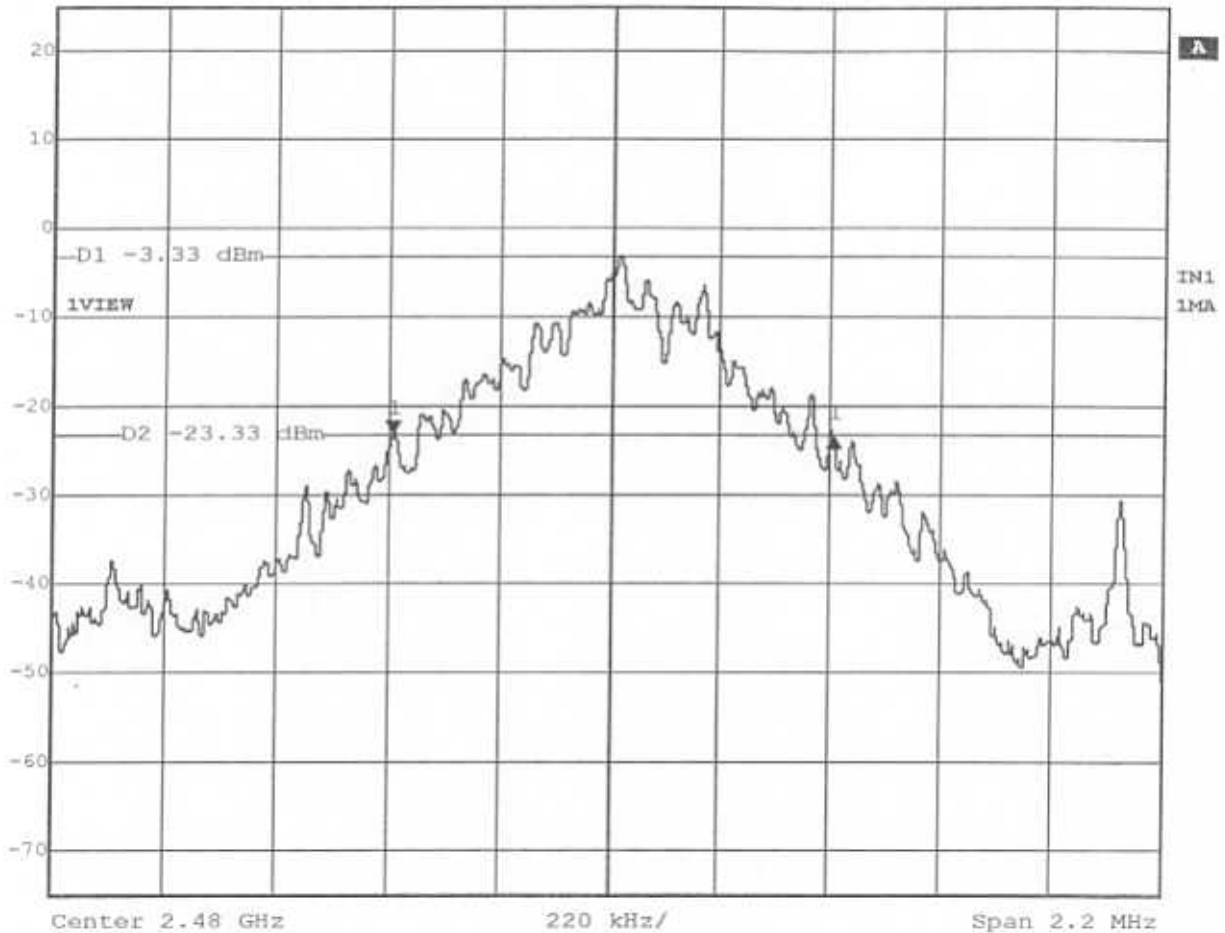
Comment A: GN Netcom A/S

Jabra FreeSpeak Bluetooth Phone Dongle BT200A

Date: 21.AUG.2002 10:04:04



Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -0.48 dB VBW 10 kHz
25 dBm 877.35470942 kHz SWT 56 ms Unit dBm



Title: -20 dB Bandwidth Ch.: 78
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:01:00

Appendix J

Band-edge Compliance of RF Emissions

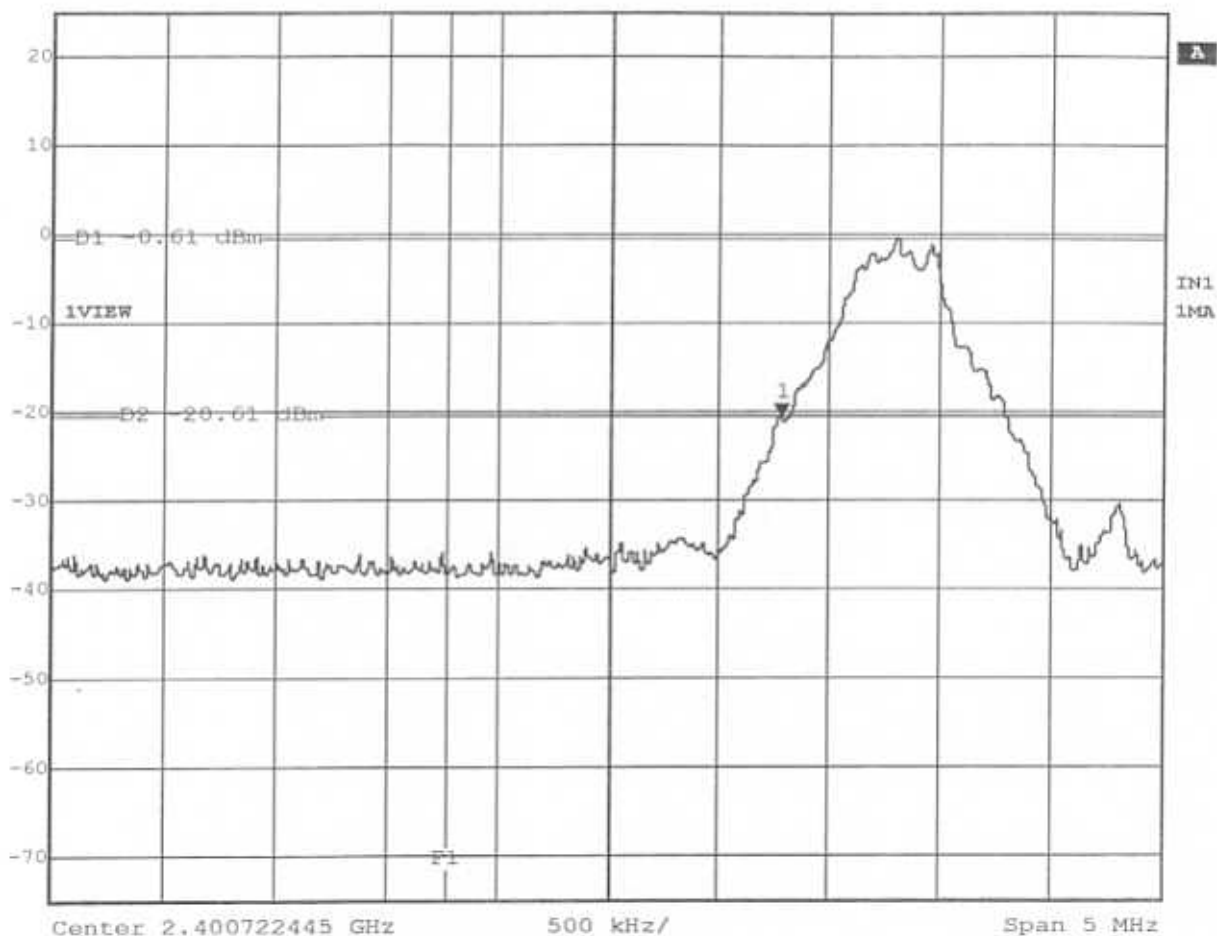


Ref Lvl
25 dBm

Marker 1 [T1]

-20.65 dBm
2.40150902 GHz

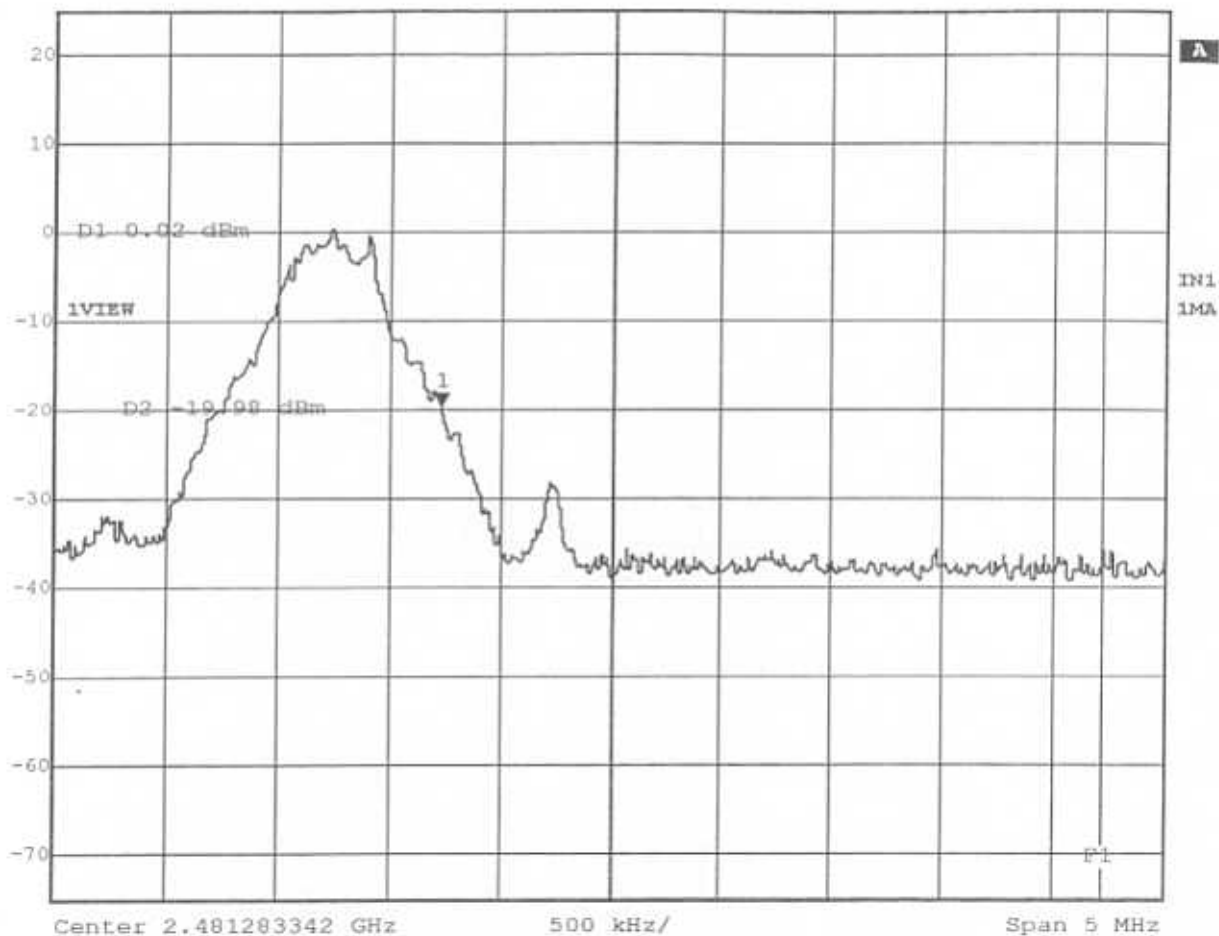
REW 50 kHz RF Att 50 dB
VBW 50 kHz
SWT 5 ms Unit dBm



Title: Band-edge Compliance of RF Conducted Emissions Ch.: 0
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:10:08



Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -19.65 dBm VBW 50 kHz
25 dBm 2.48051681 GHz SWT 5 ms Unit dBm



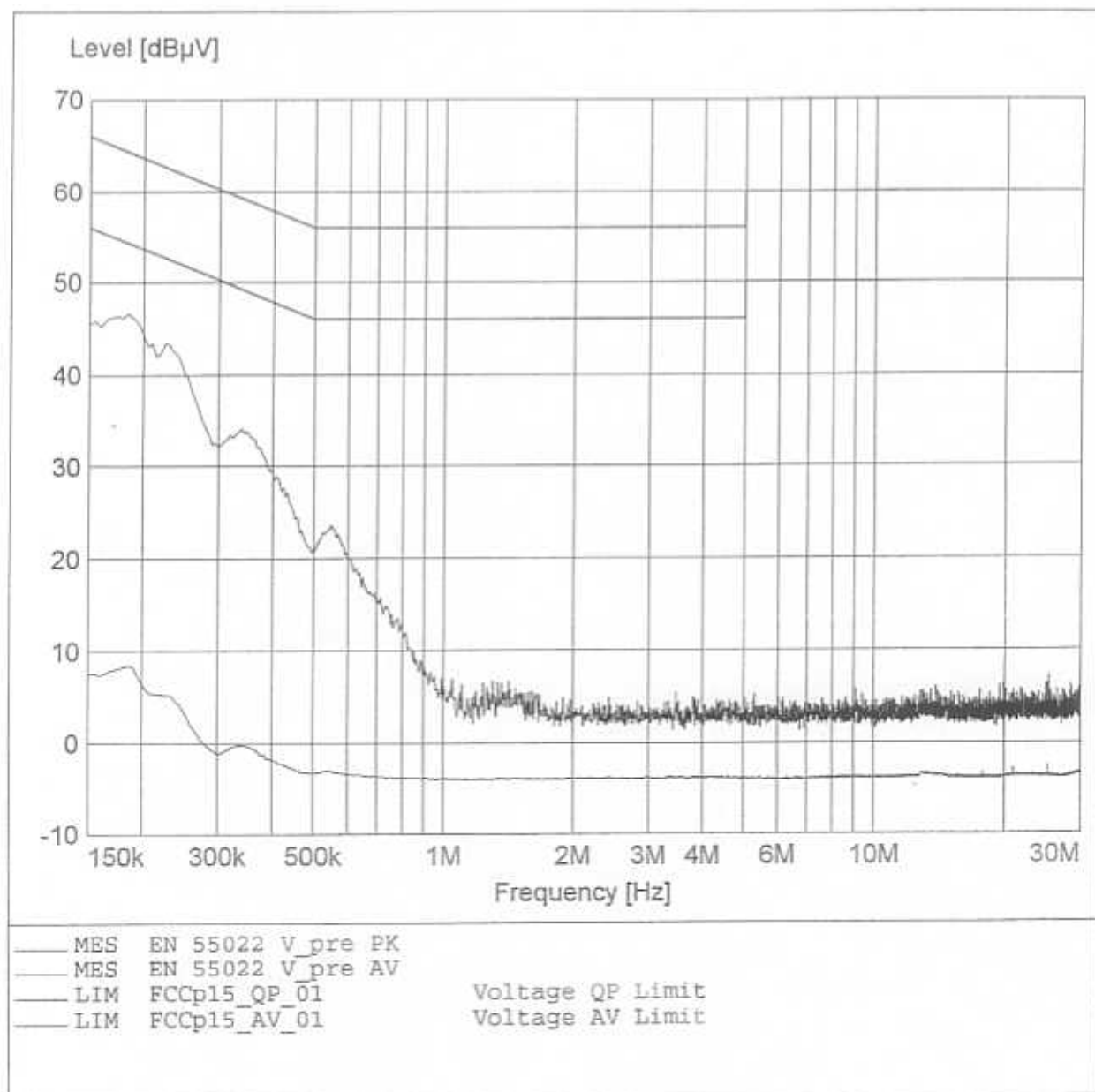
Title: Band-edge Compliance of RF Conducted Emissions Ch.: 78
Comment A: GN Netcom A/S
Jabra Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:12:44

Appendix K

Conducted Measurement at (AC) Power Line

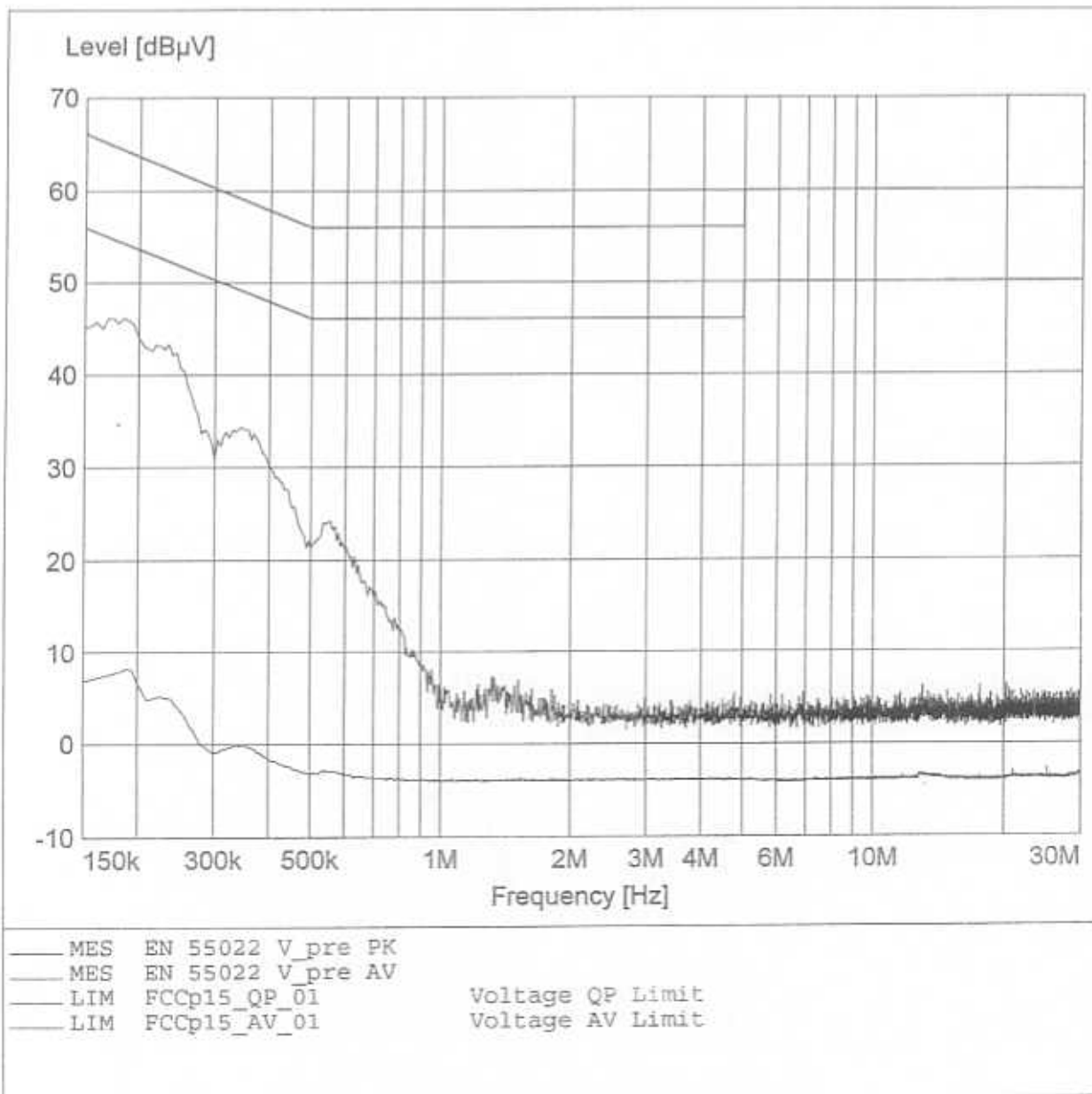
EMI voltage test in the ac-mains according to FCC part 15

EUT: JABRA FREESPEAK BLUETOOTH PHONE DONGLE
Manufacturer: GN NETCOM A/S
Operating Condition: Unom: 120VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5
Comment: model: BT200A mode: charging(with headset)



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

EUT: JABRA FREESPEAK BLUETOOTH PHONE DONGLE
Manufacturer: GN NETCOM A/S
Operating Condition: Unom: 120VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5
Comment: model: BT200A mode: charging

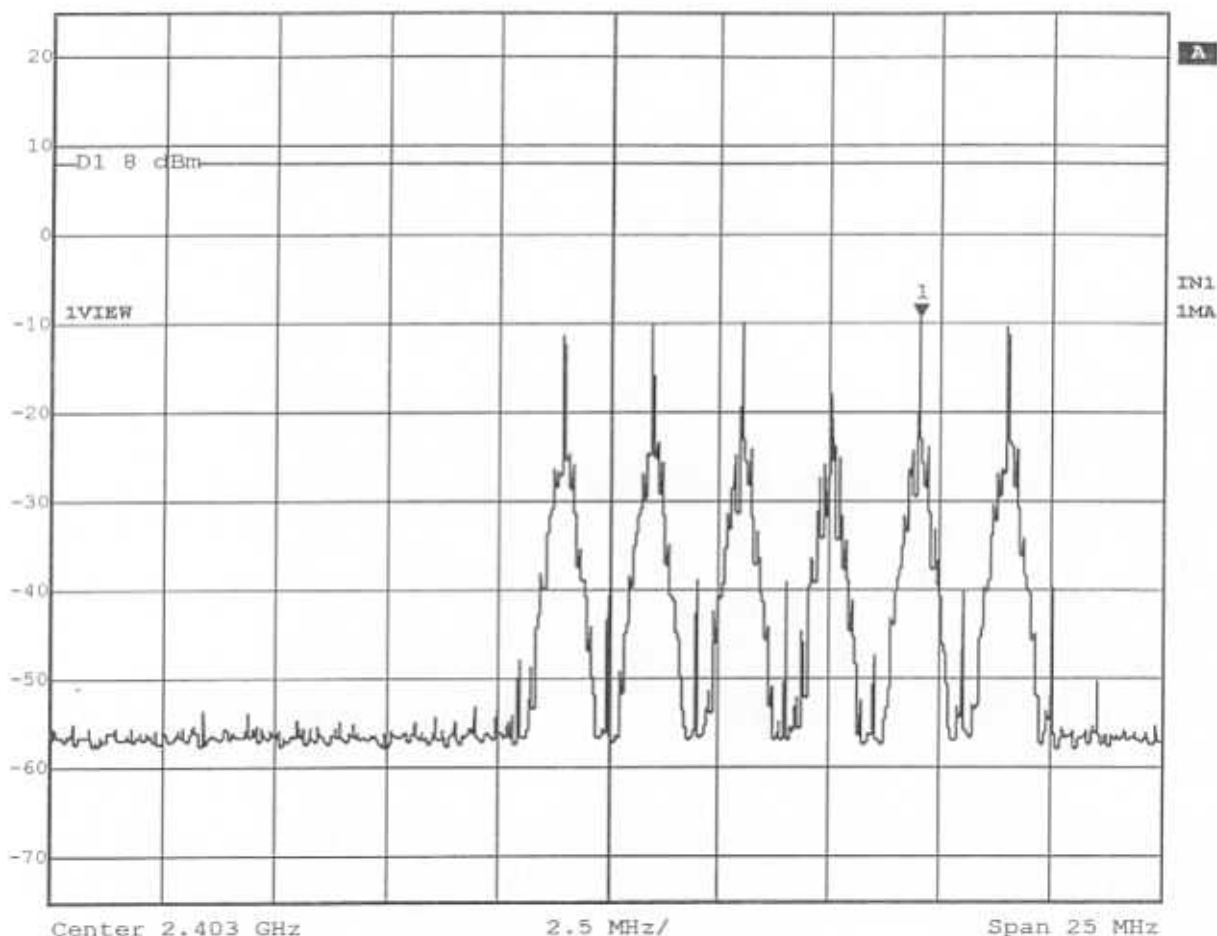


Appendix L

Peak Power Spectral Density (Master Inquiry Mode)



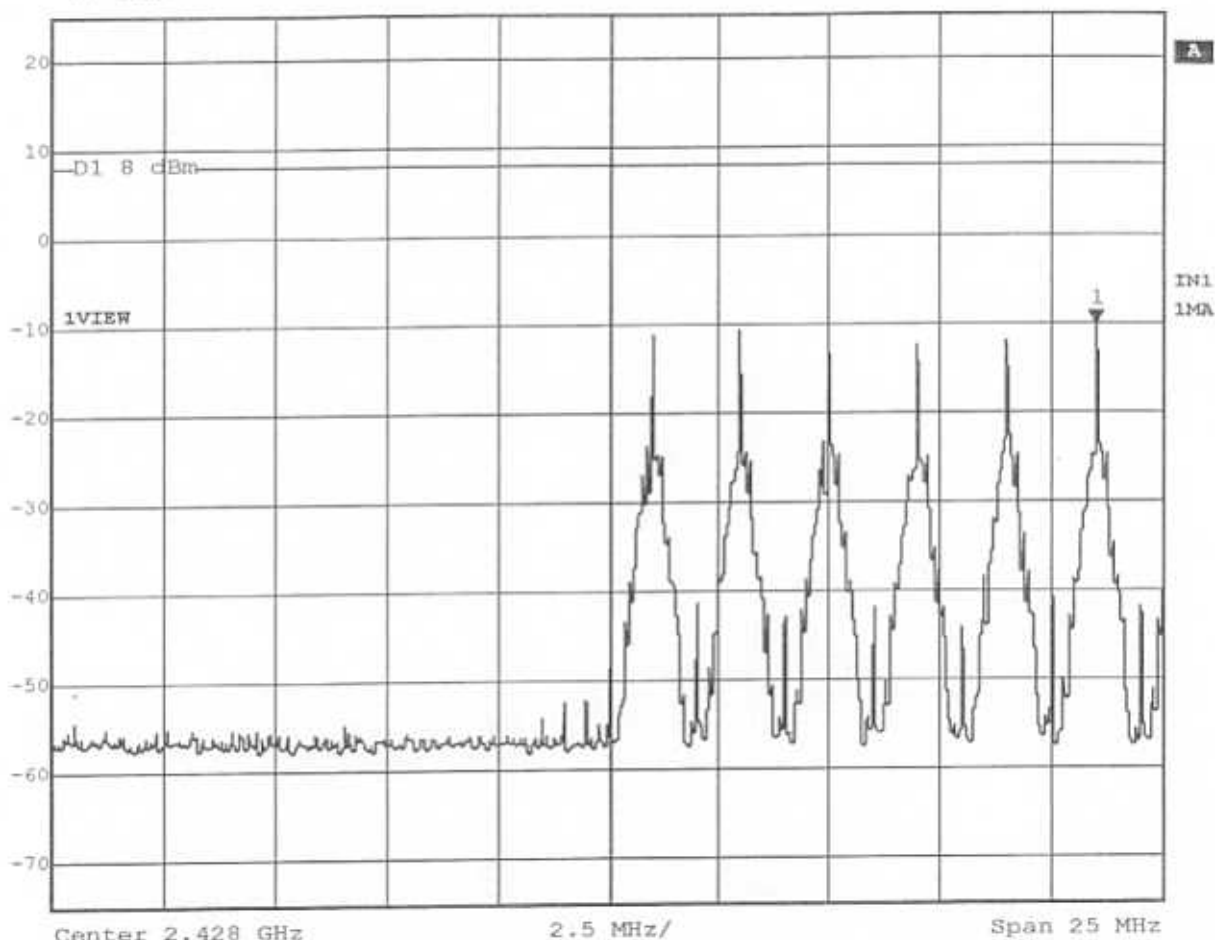
Marker 1 [T1] RBW 3 kHz RF Att 50 dB
Ref Lvl -9.49 dBm VBW 3 kHz
25 dBm 2.41003908 GHz SWT 10 s Unit dBm



Title: Peak Power Spectral Density (Master Inquiry Mode)
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 13:50:15



Marker 1 [T1] RBW 3 kHz RF Att 50 dB
Ref Lvl -10.06 dBm VBW 3 kHz
25 dBm 2.43899699 GHz SWT 10 s Unit dBm



Title: Peak Power Spectral Density (Master Inquiry Mode)
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 13:55:59



Ref Lvl
25 dBm

Marker 1 [T1]

-8.77 dBm

2.47301503 GHz

REW

3 kHz

RF Att

50 dB

VBW

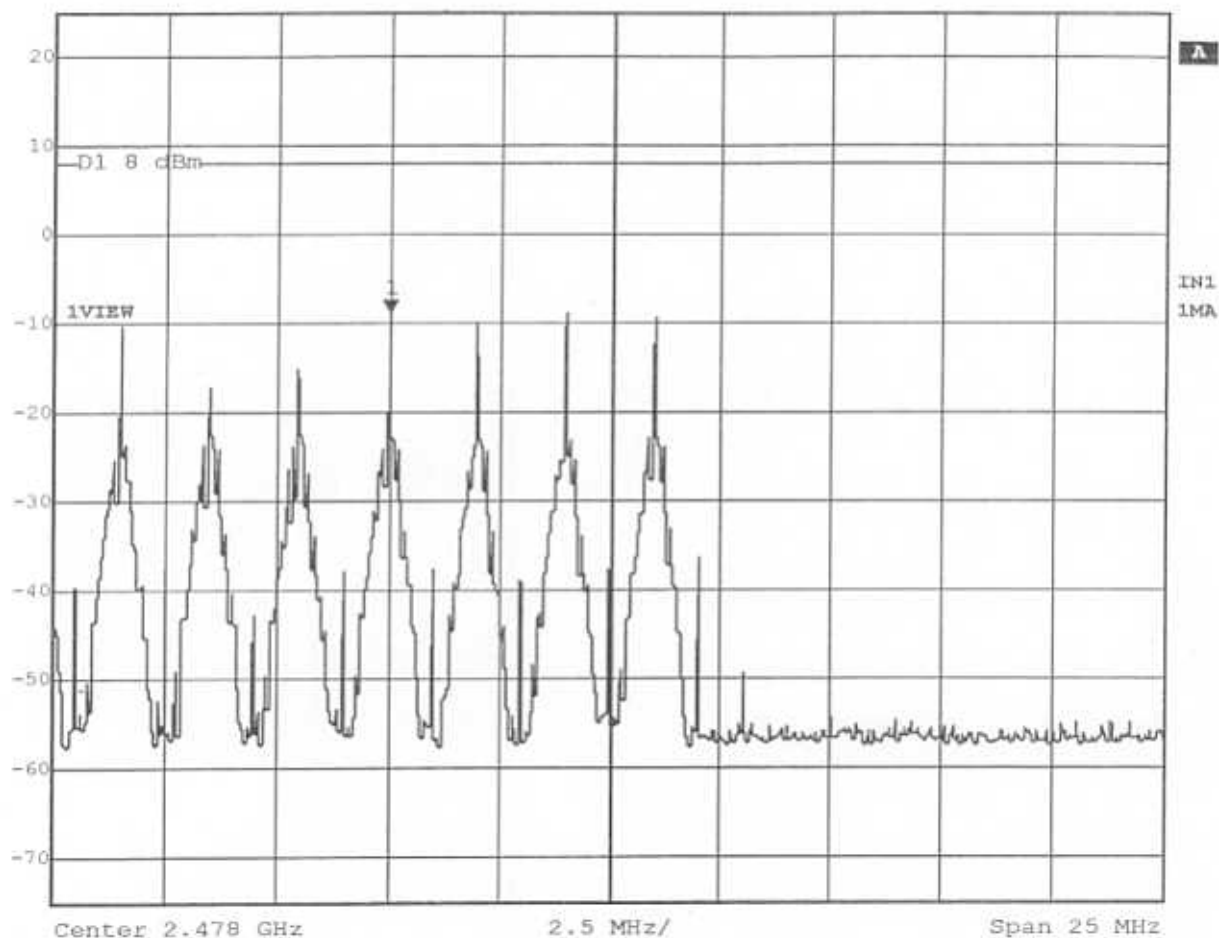
3 kHz

SWT

10 s

Unit

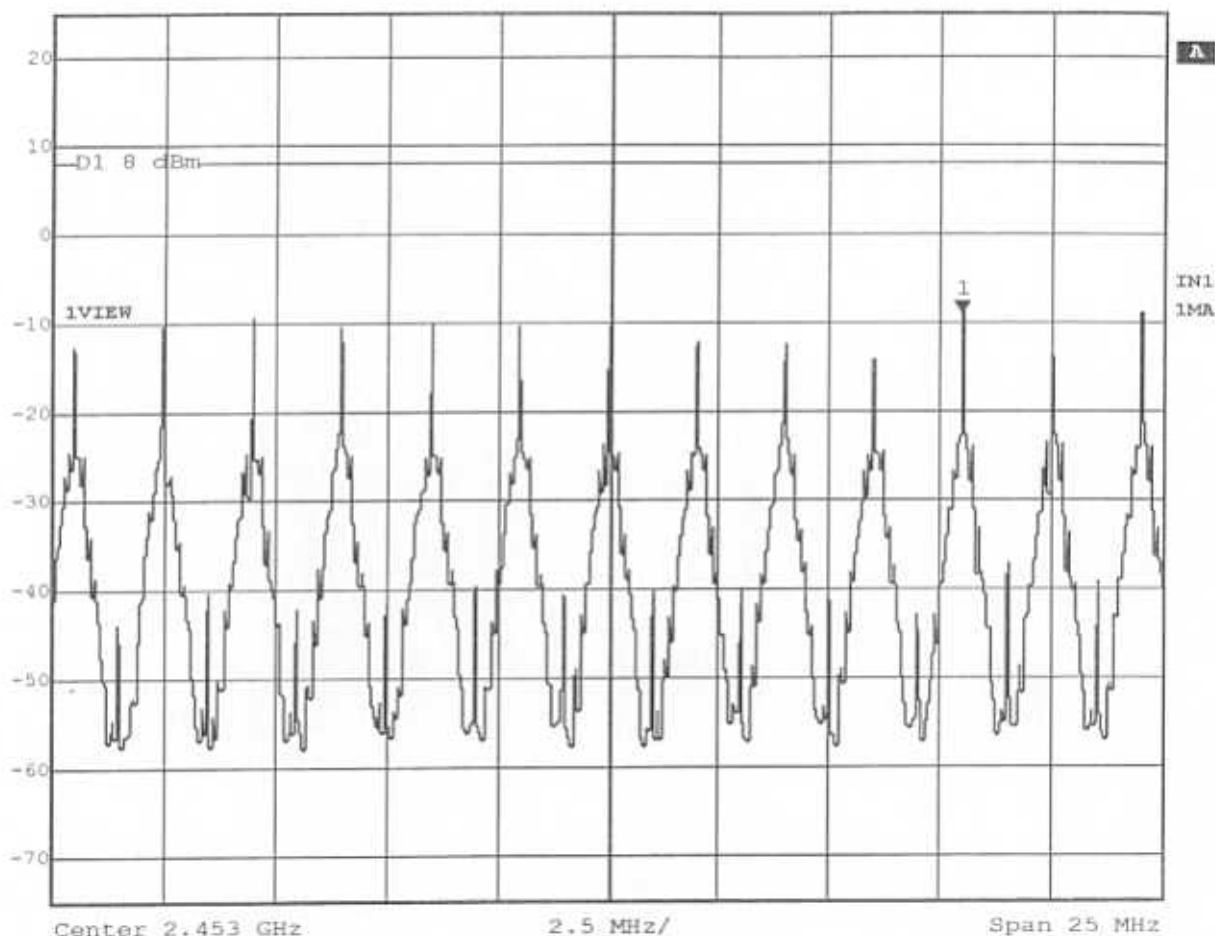
dBm



Title: Peak Power Spectral Density (Master Inquiry Mode)
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 14:02:30



Marker 1 [T1] RBW 3 kHz RF Att 50 dB
Ref Lvl -9.05 dBm VBW 3 kHz
25 dBm 2.46099098 GHz SWT 10 s Unit dBm



Title: Peak Power Spectral Density (Master Inquiry Mode)
Comment A: GN Netcom A/S
Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 13:59:43