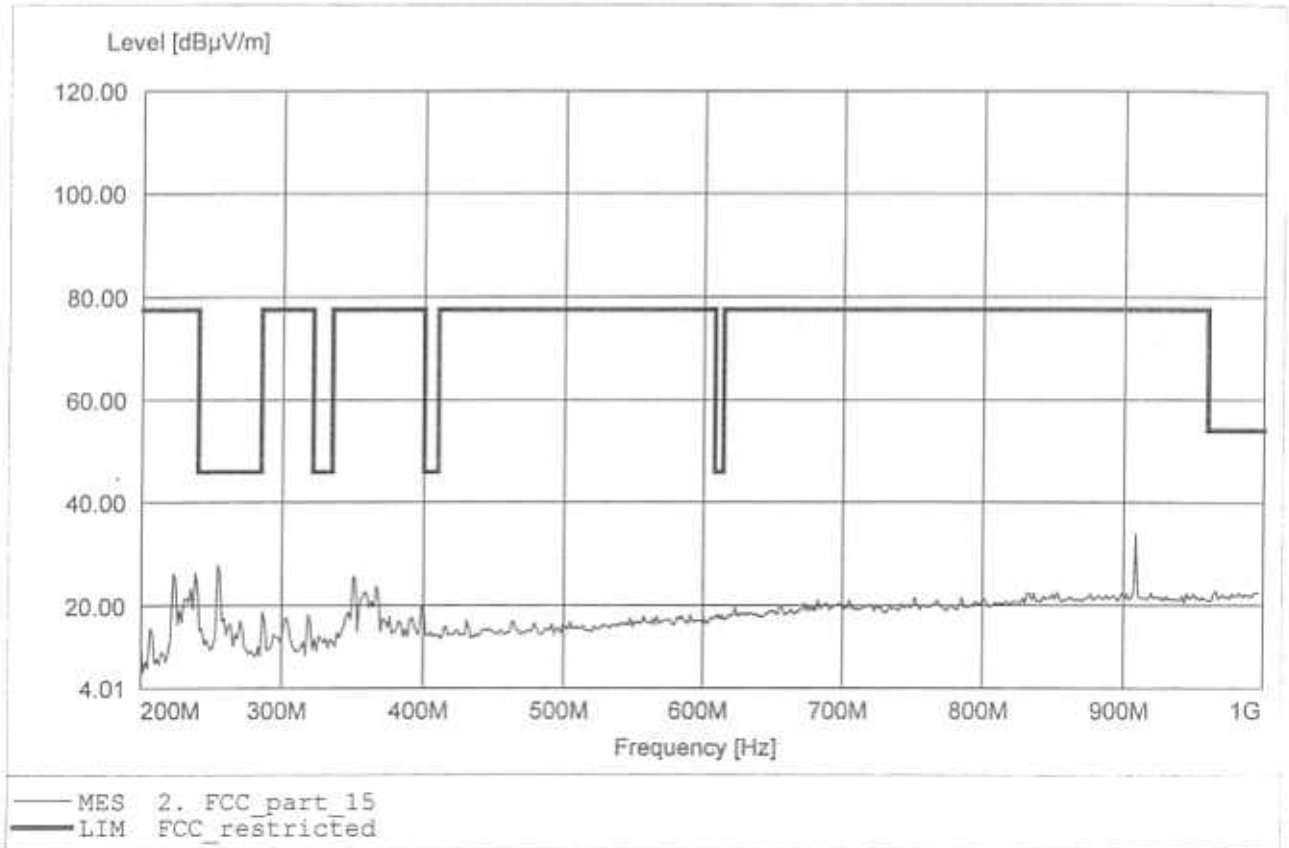


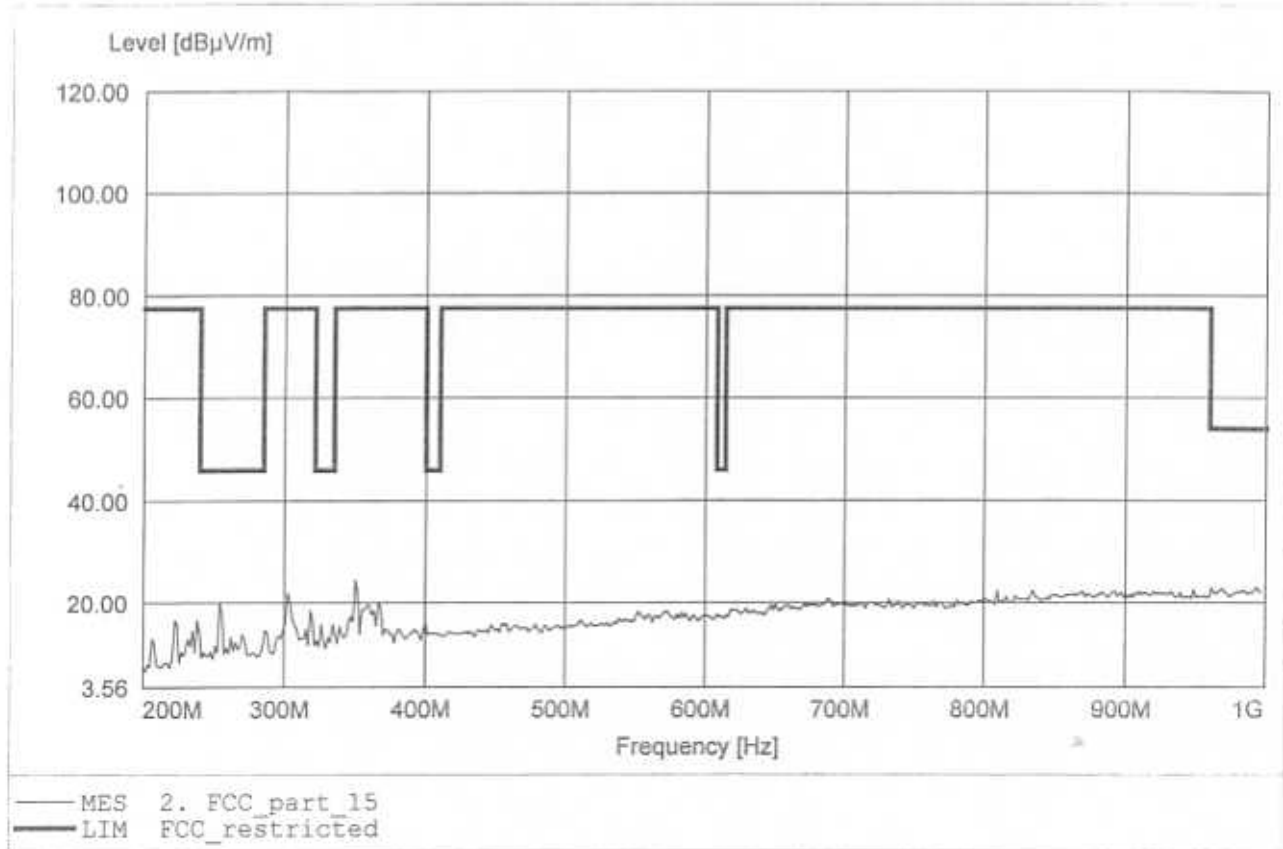
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



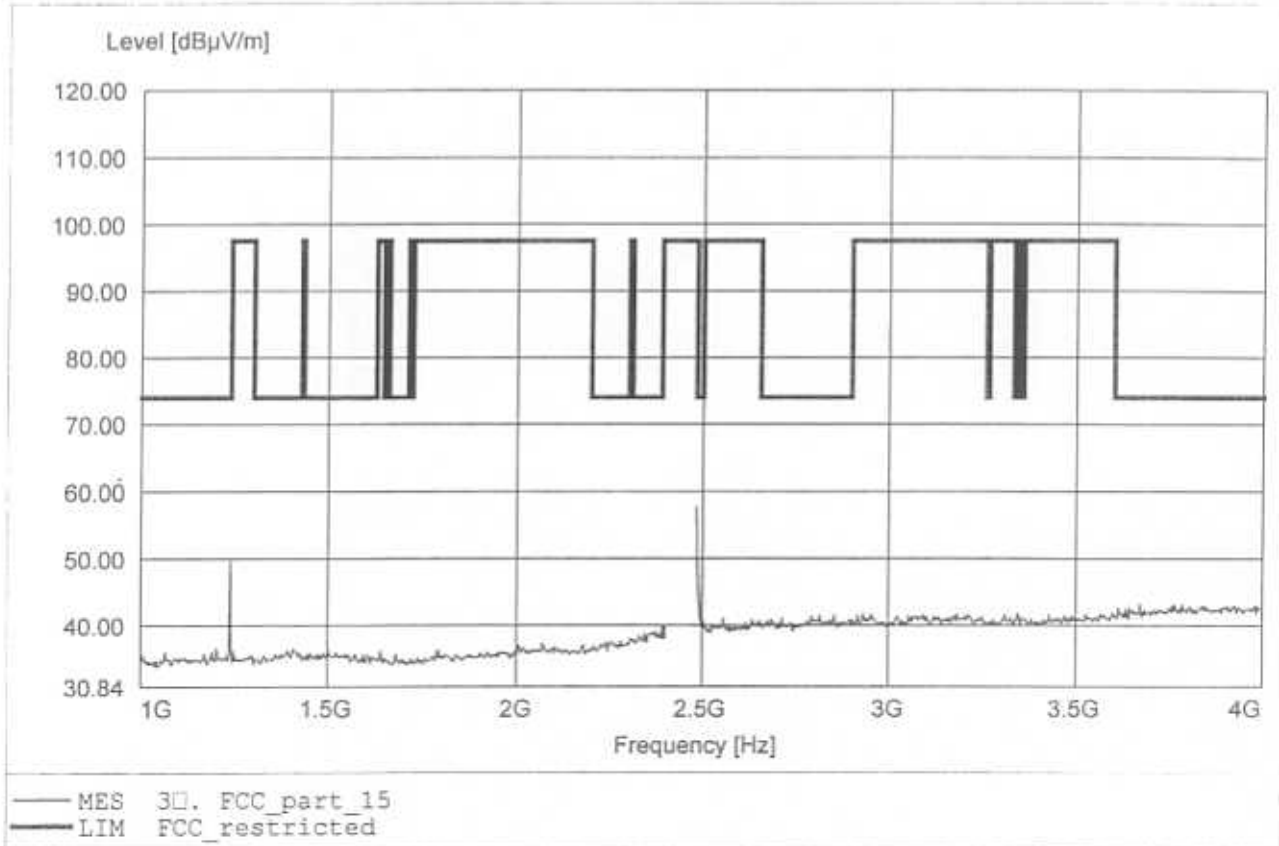
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT : Jabra FreeSpeak Bluetooth Wireless Headset Tx 2400 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: 24.51dBµV/m, RBW: 100kHz



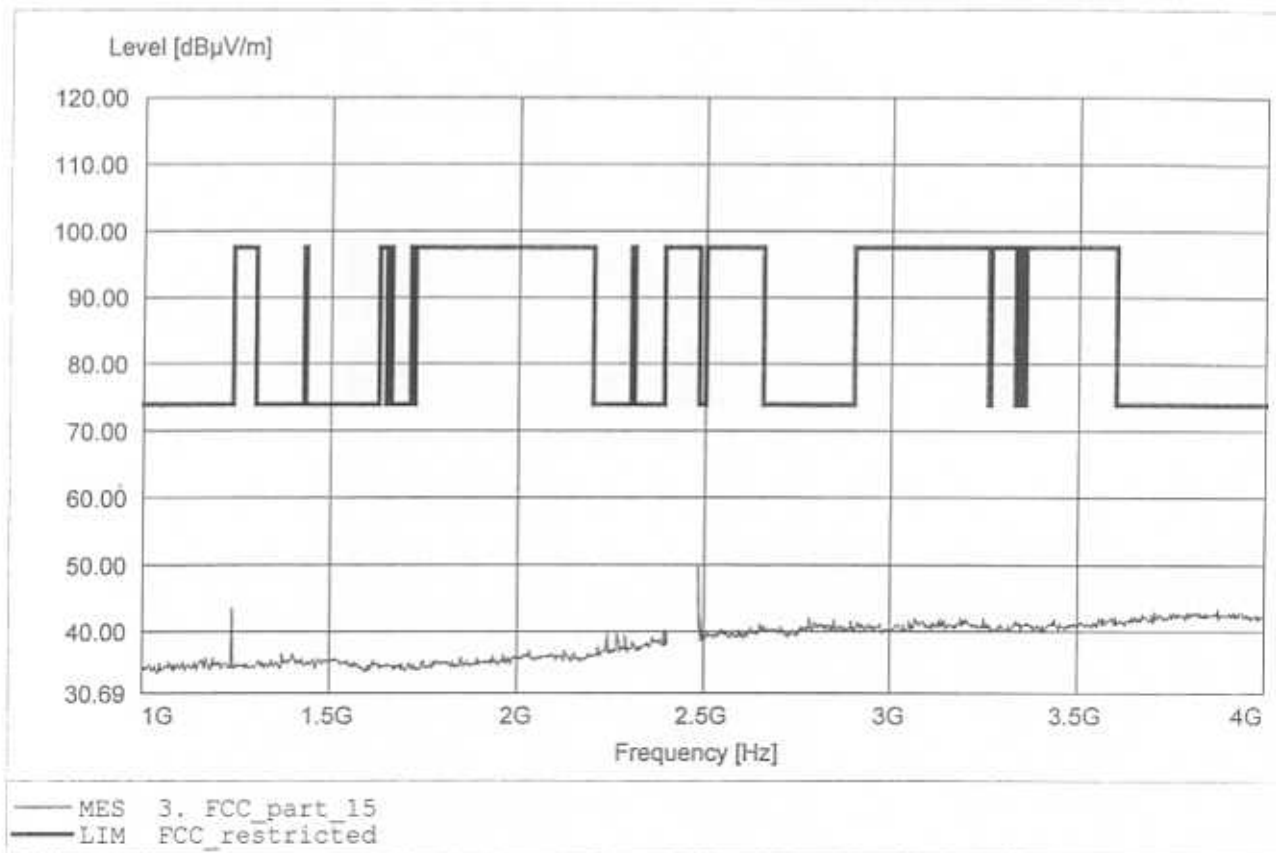
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



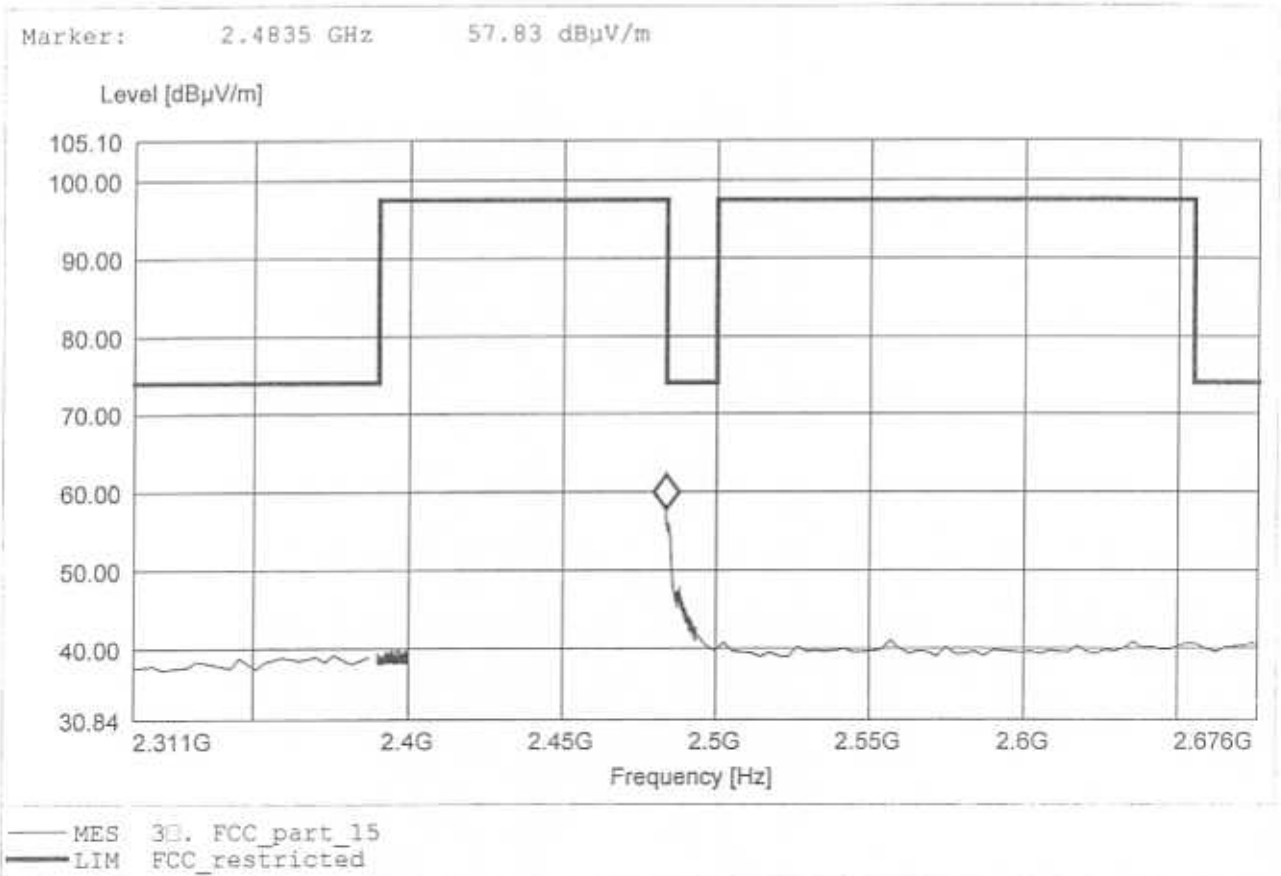
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



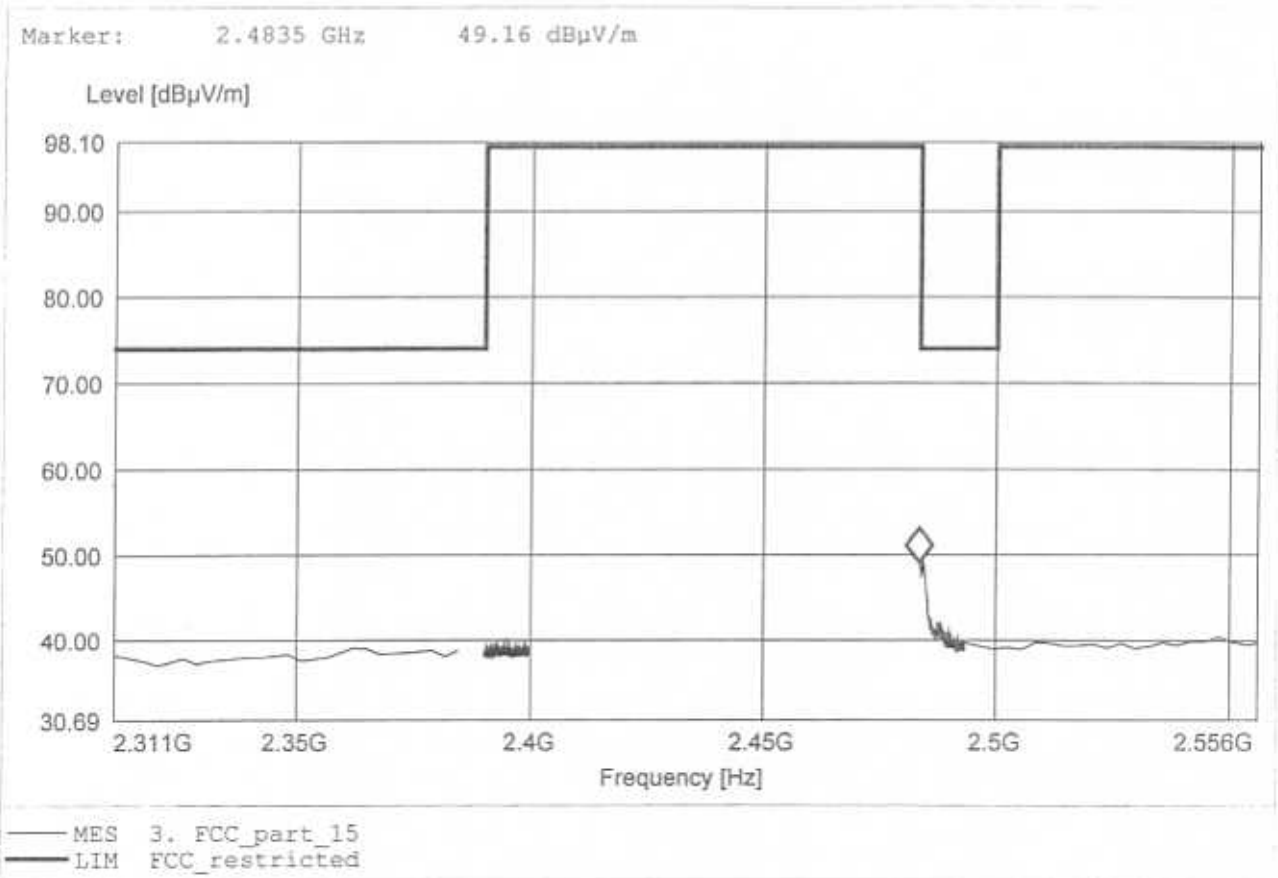
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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 §15.247, Limit 20 dB up peak detector
Comment 1: Dist.: 3m, Ant.: BBHA2190D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 57.83dBµV/m, RBW: 1MHz



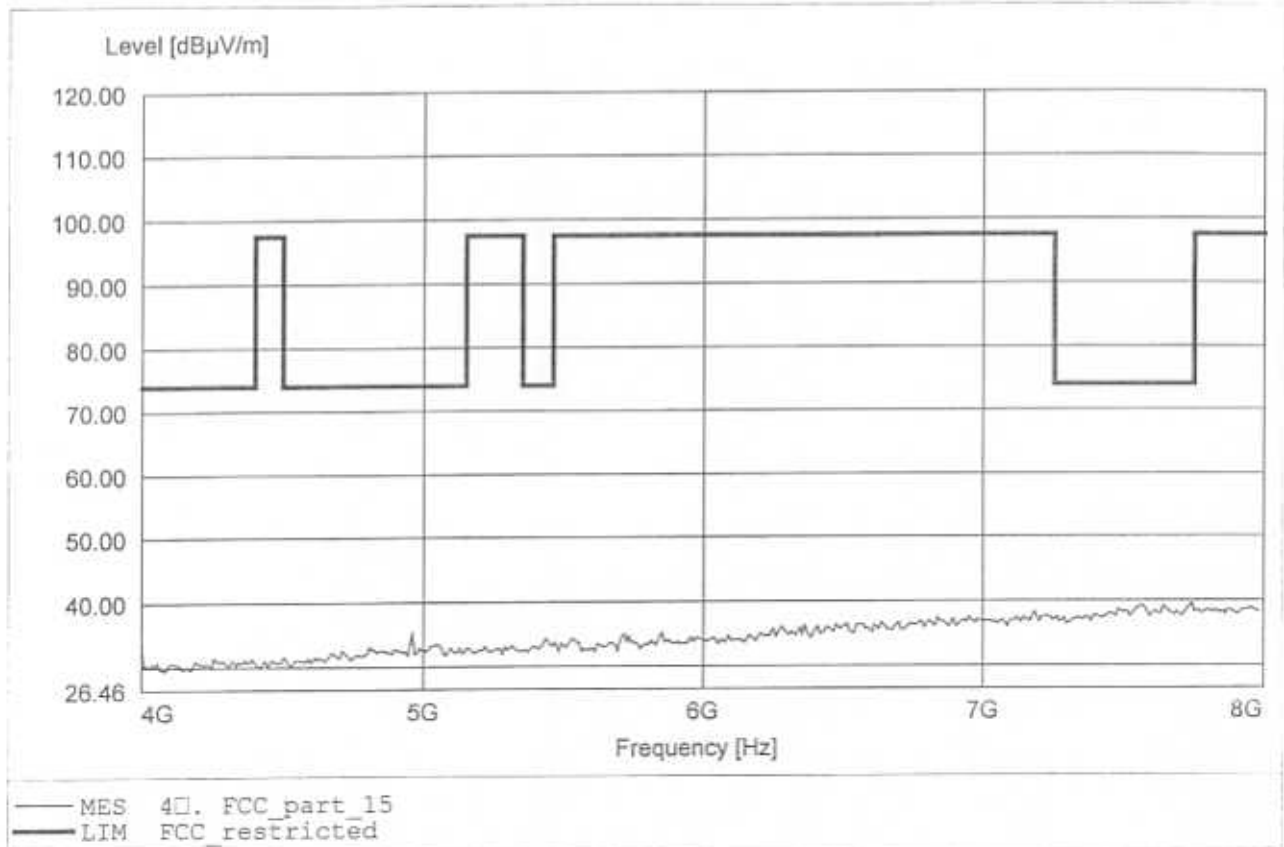
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

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



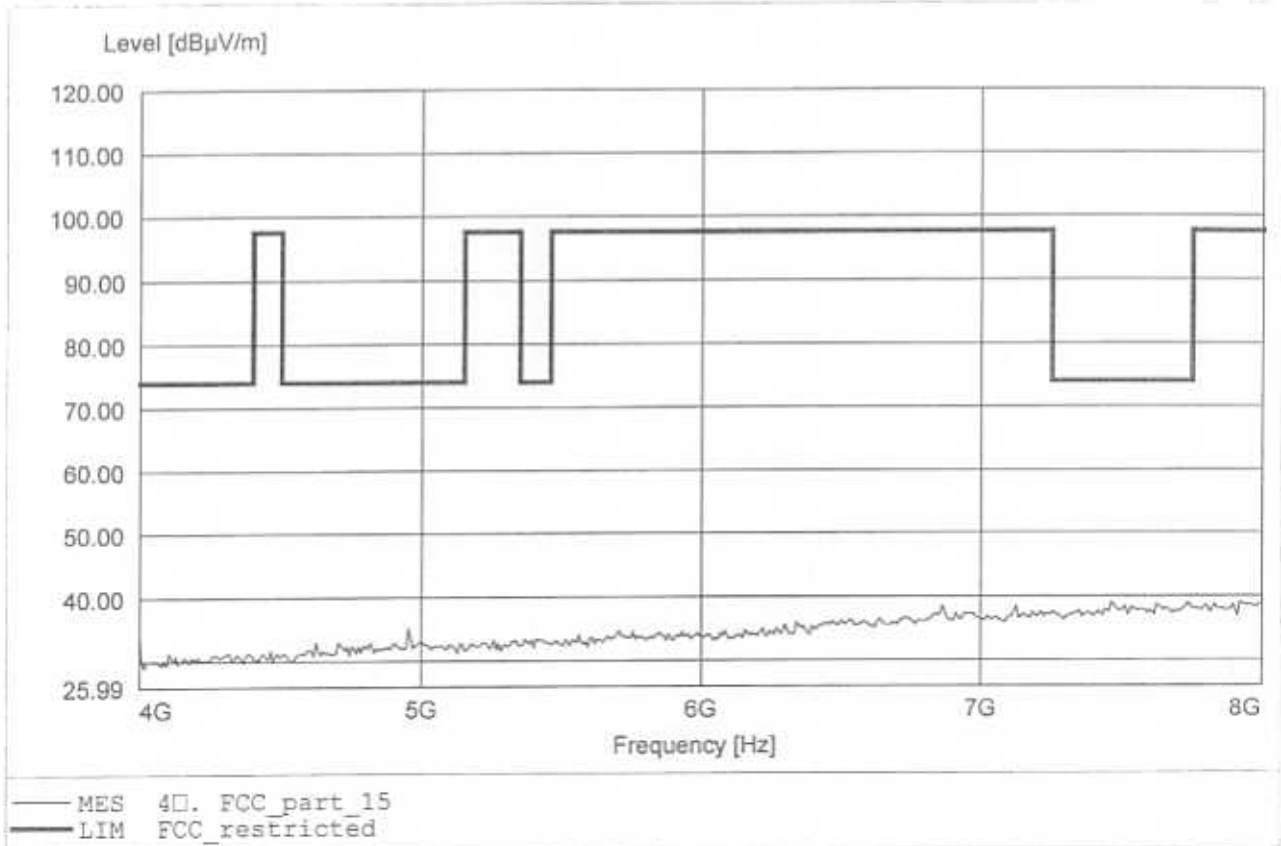
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

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: 7.743GHz, Emax: 39.64dBµV/m, RBW: 1MHz



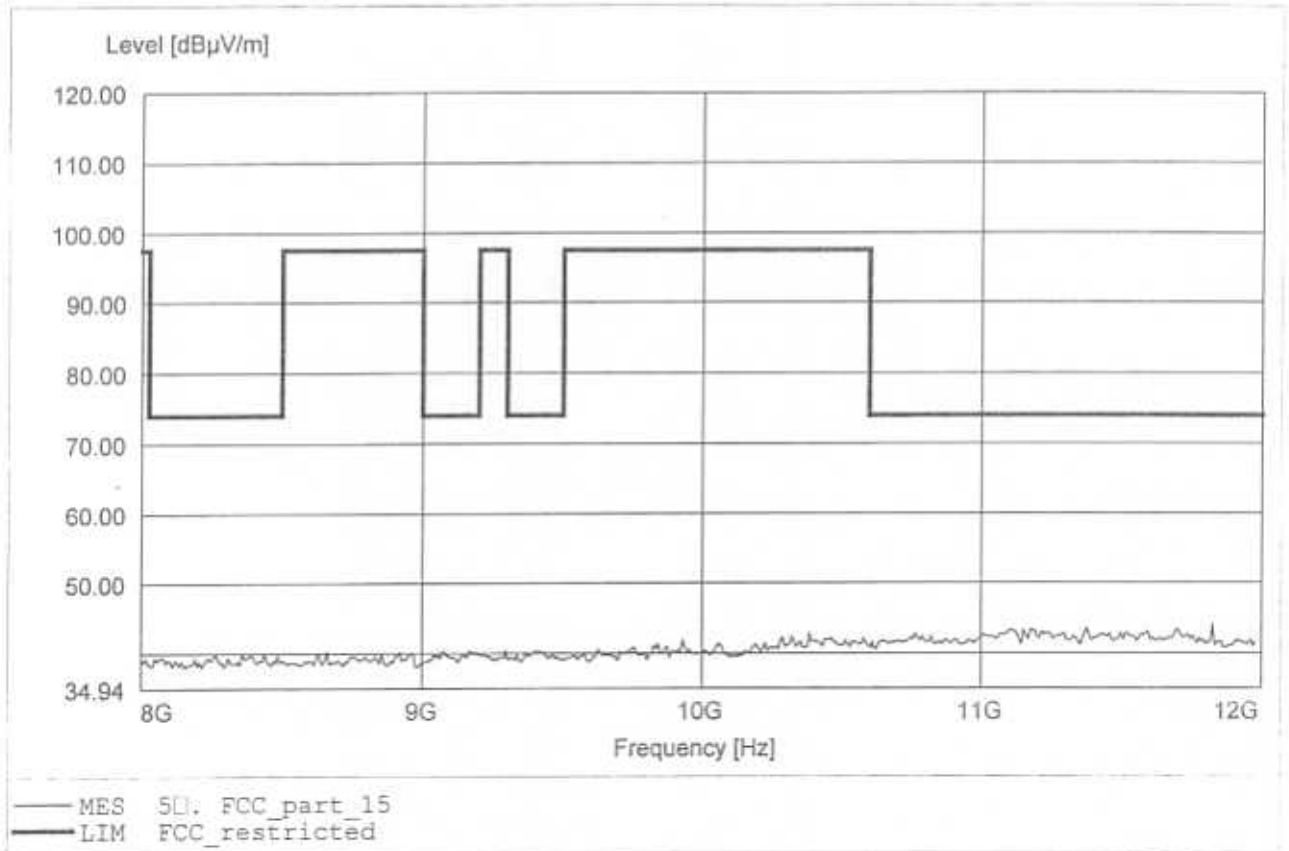
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

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



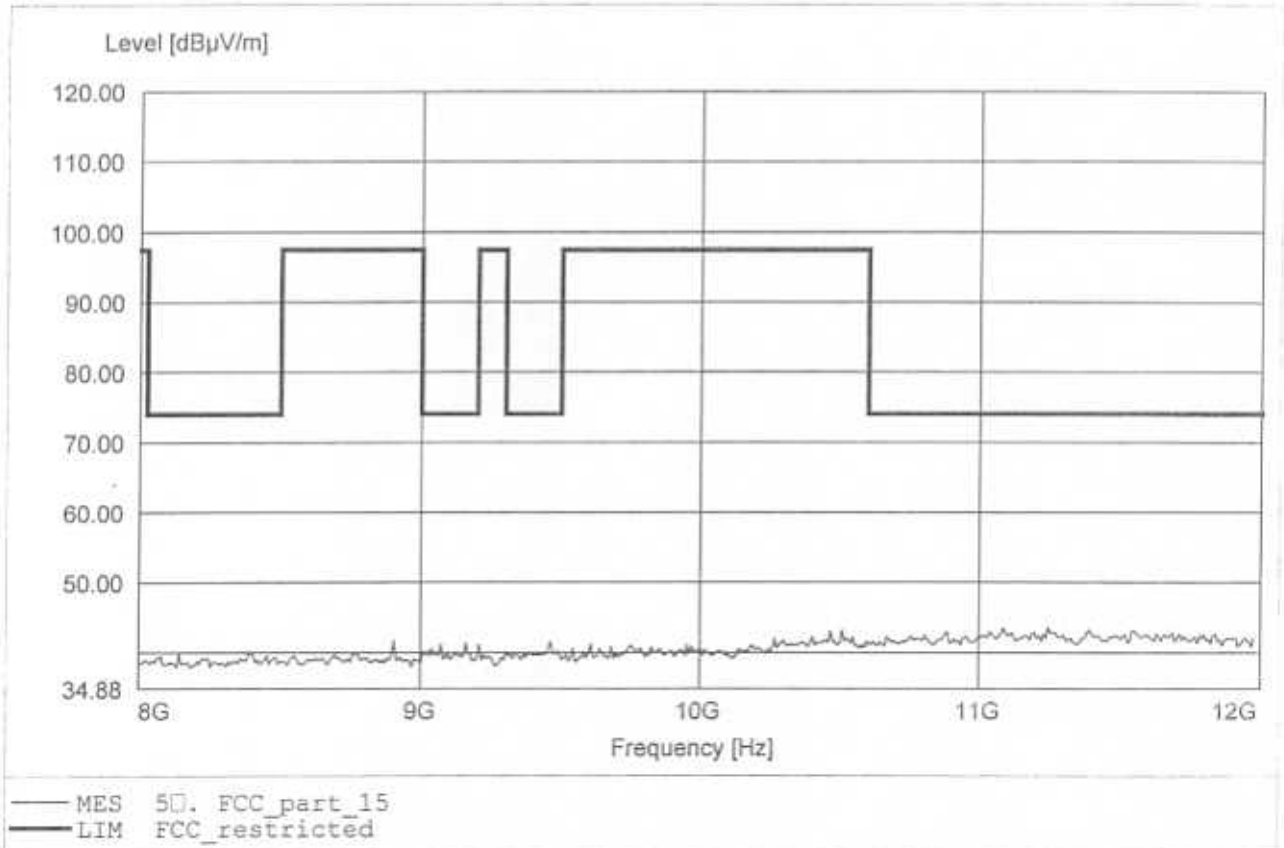
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

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: 44.13dBµV/m, RBW: 1MHz



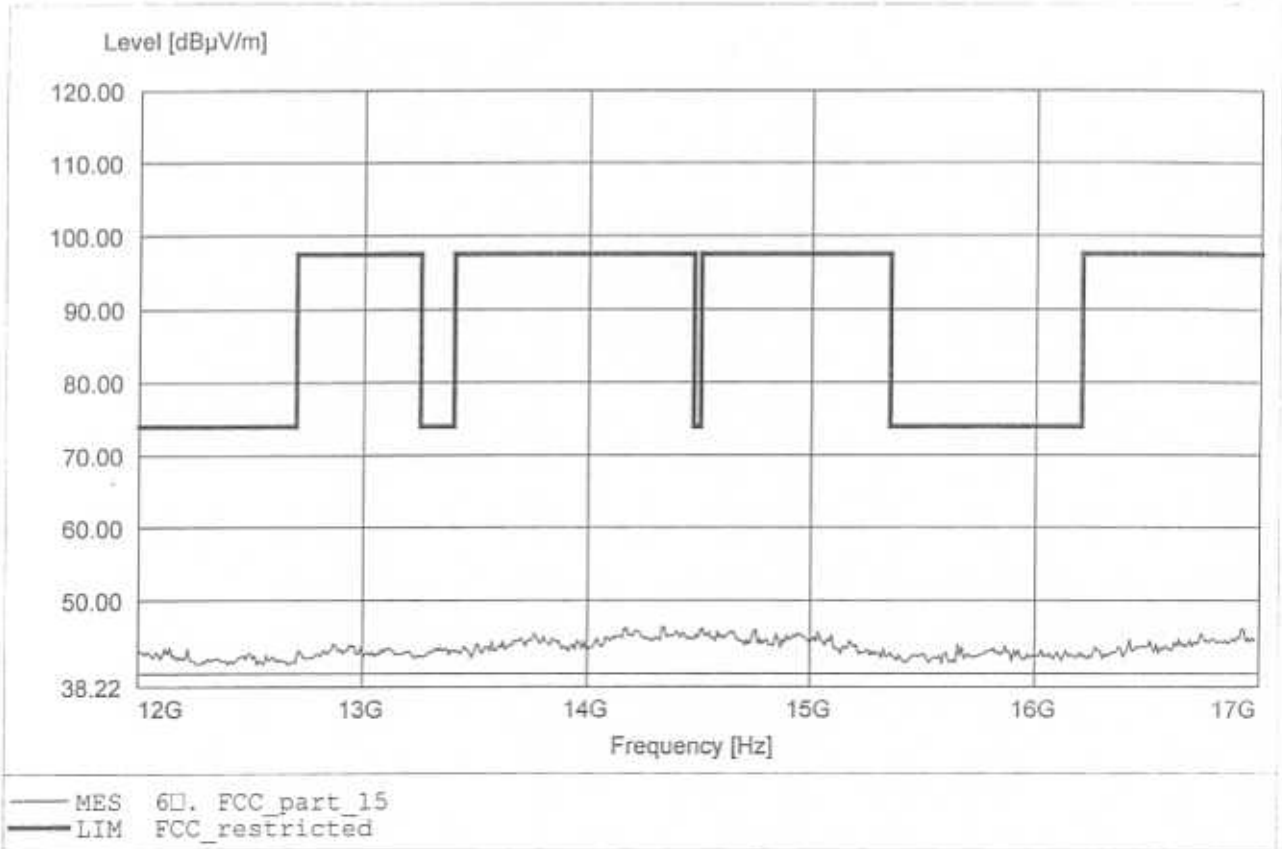
**Sourious emissions Field Strength
FCC RULES PART 15, SUBPART C**

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



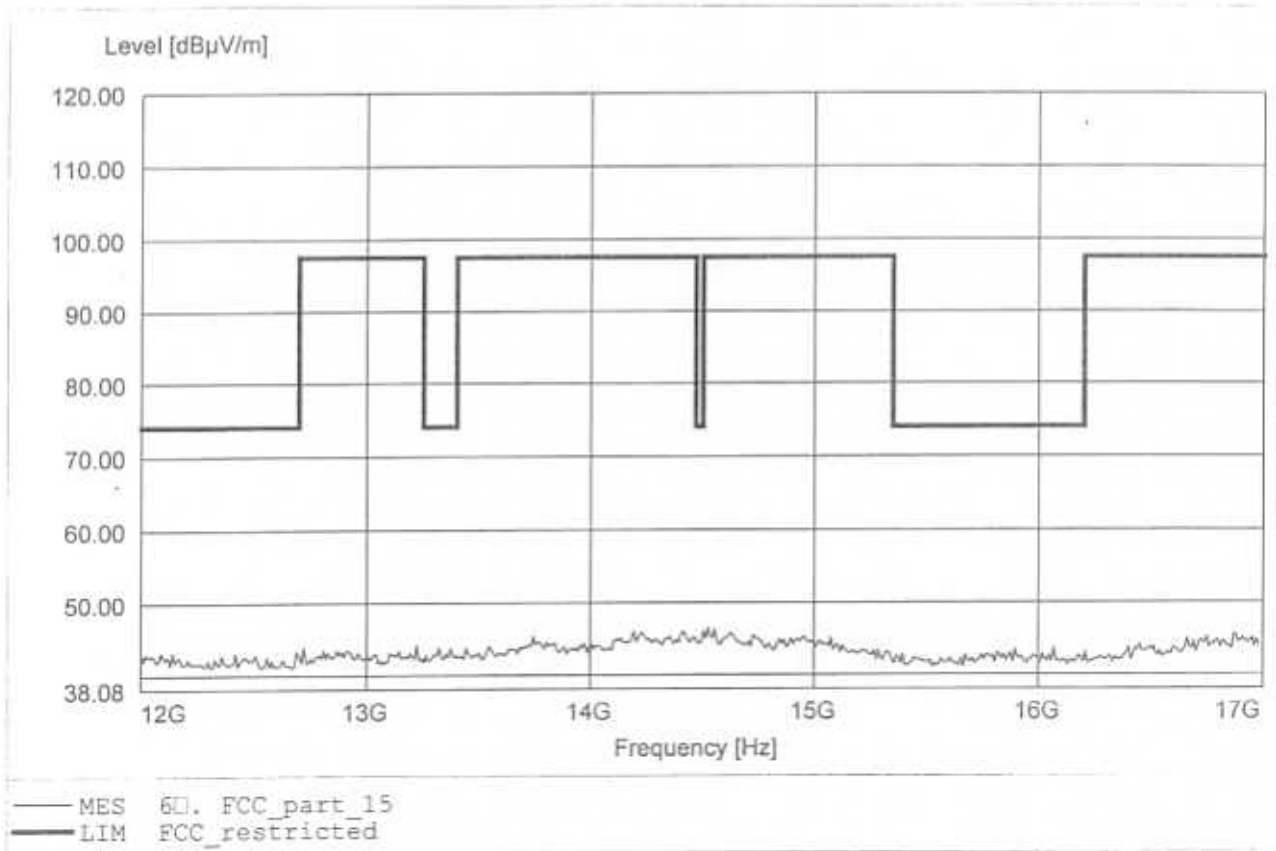
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

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 §15.247, 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



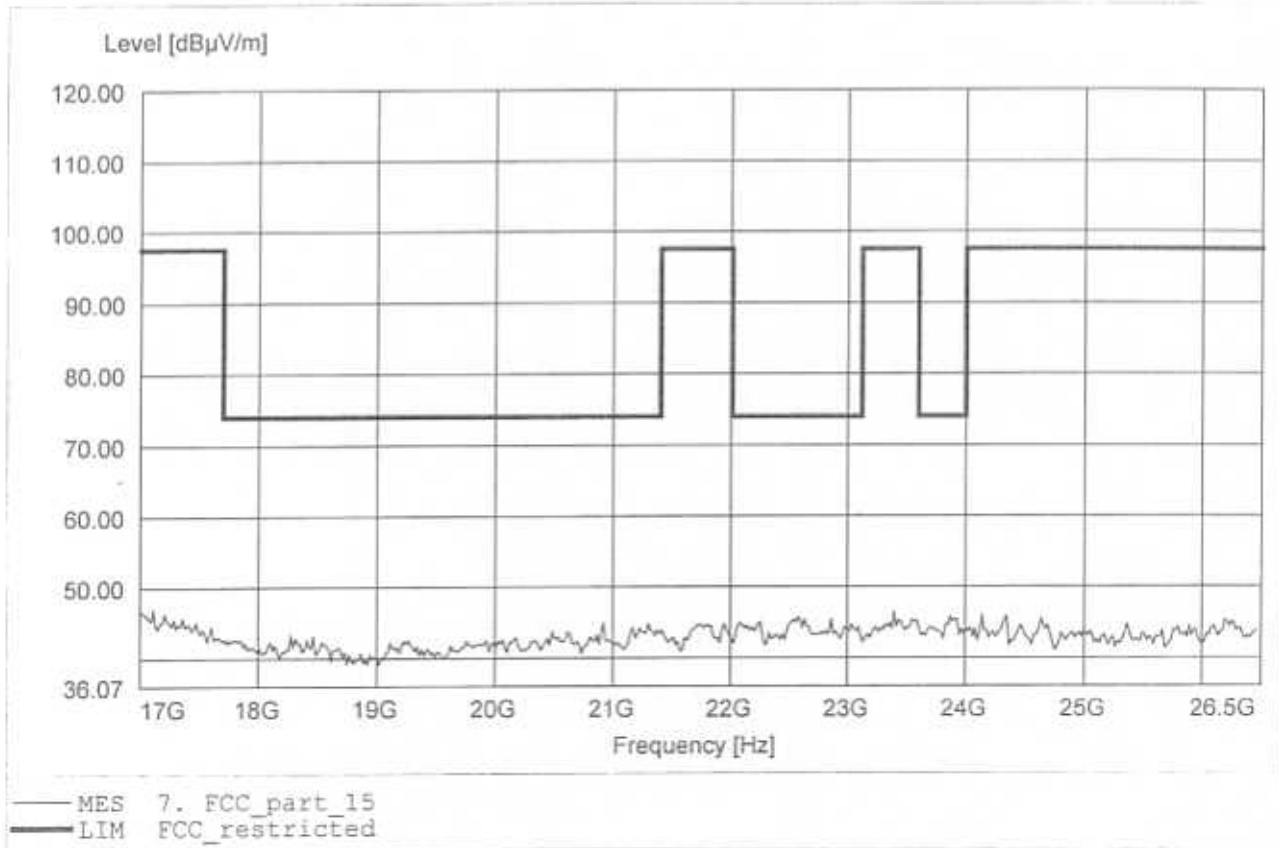
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

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



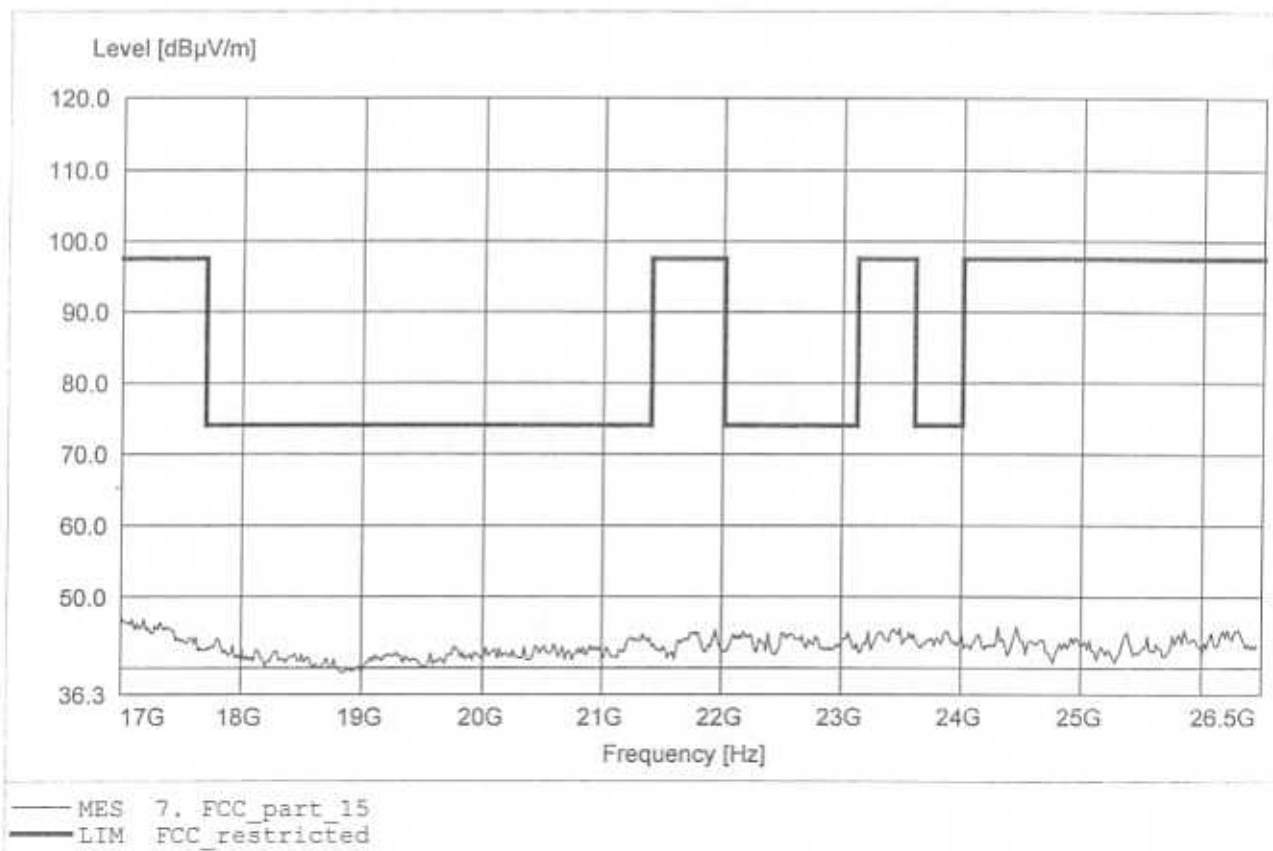
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

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 §15.247, 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



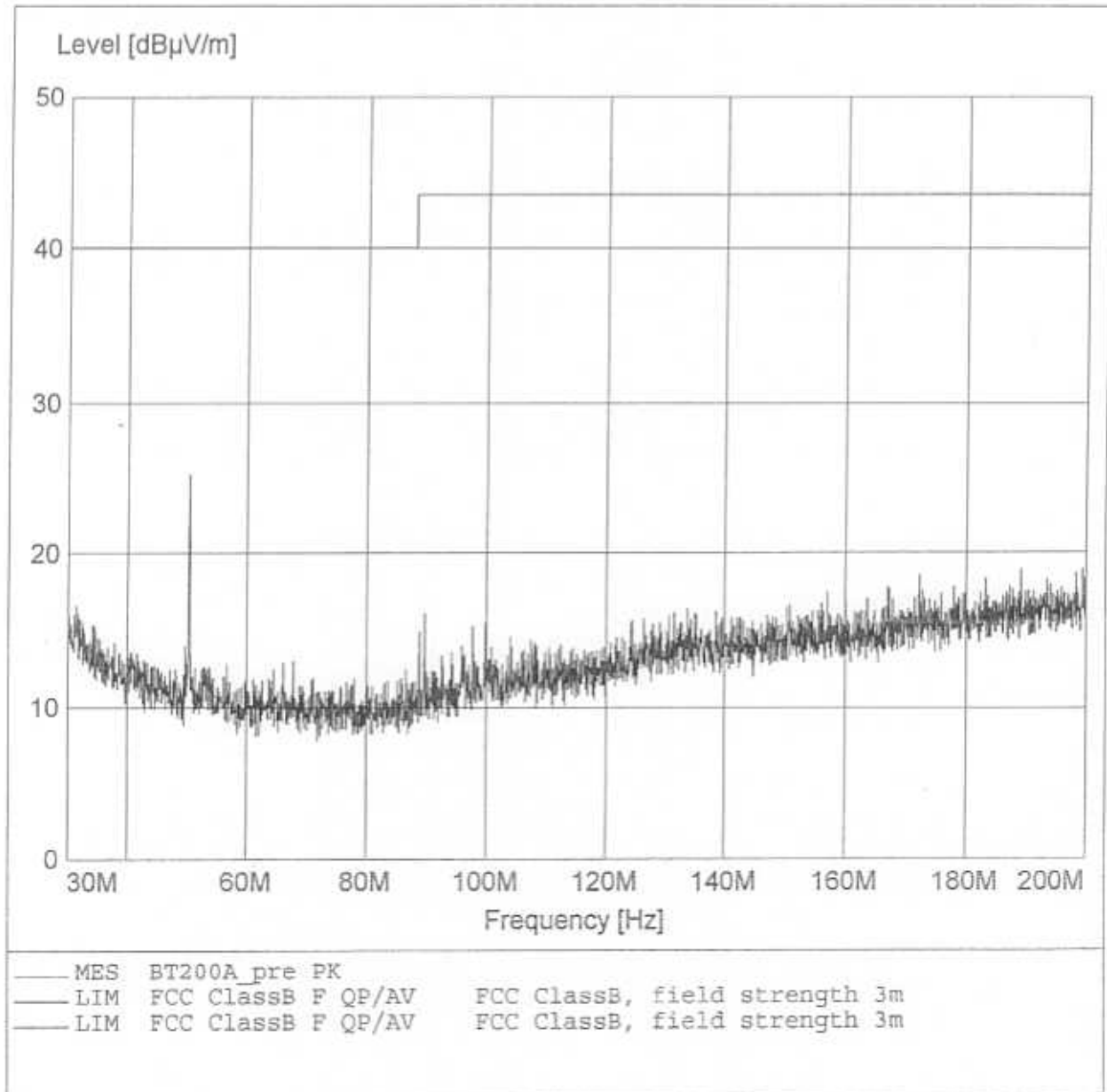


Appendix D

Spurious Emissions radiated – Charging mode

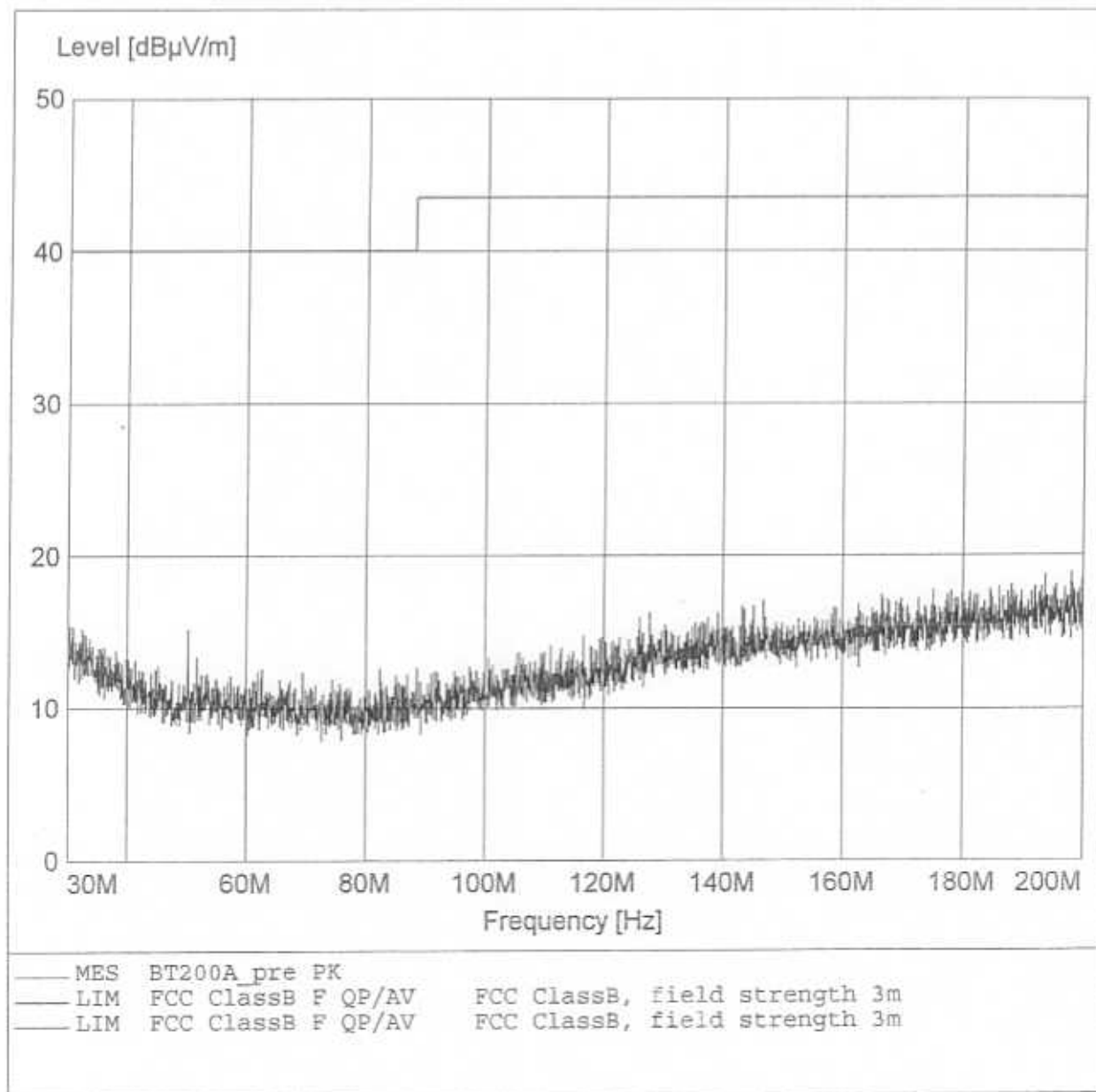
*Spurious emission under normal conditions
according to FCC part 15*

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



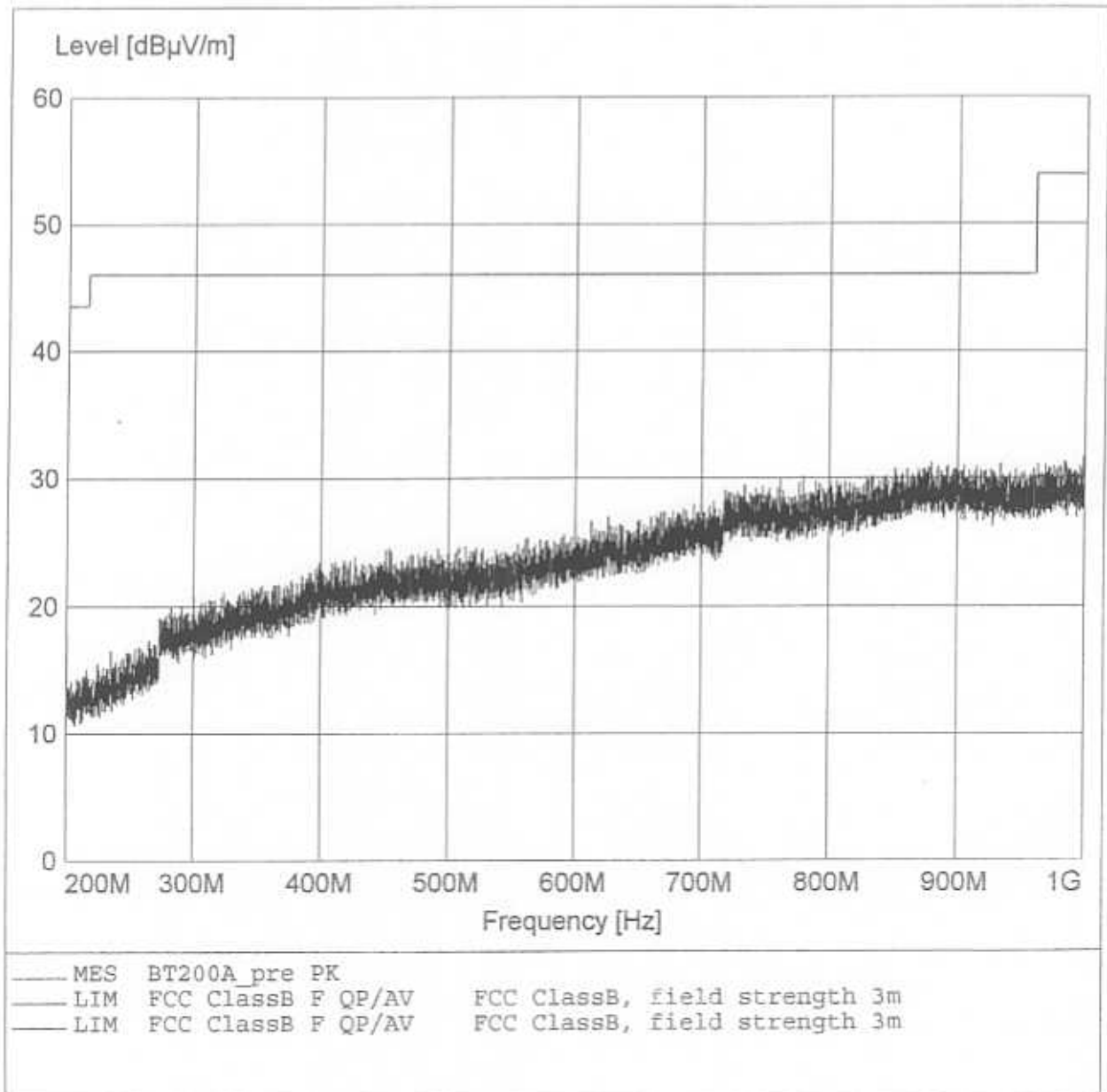
Spurious emission under normal conditions
according to FCC part 15

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



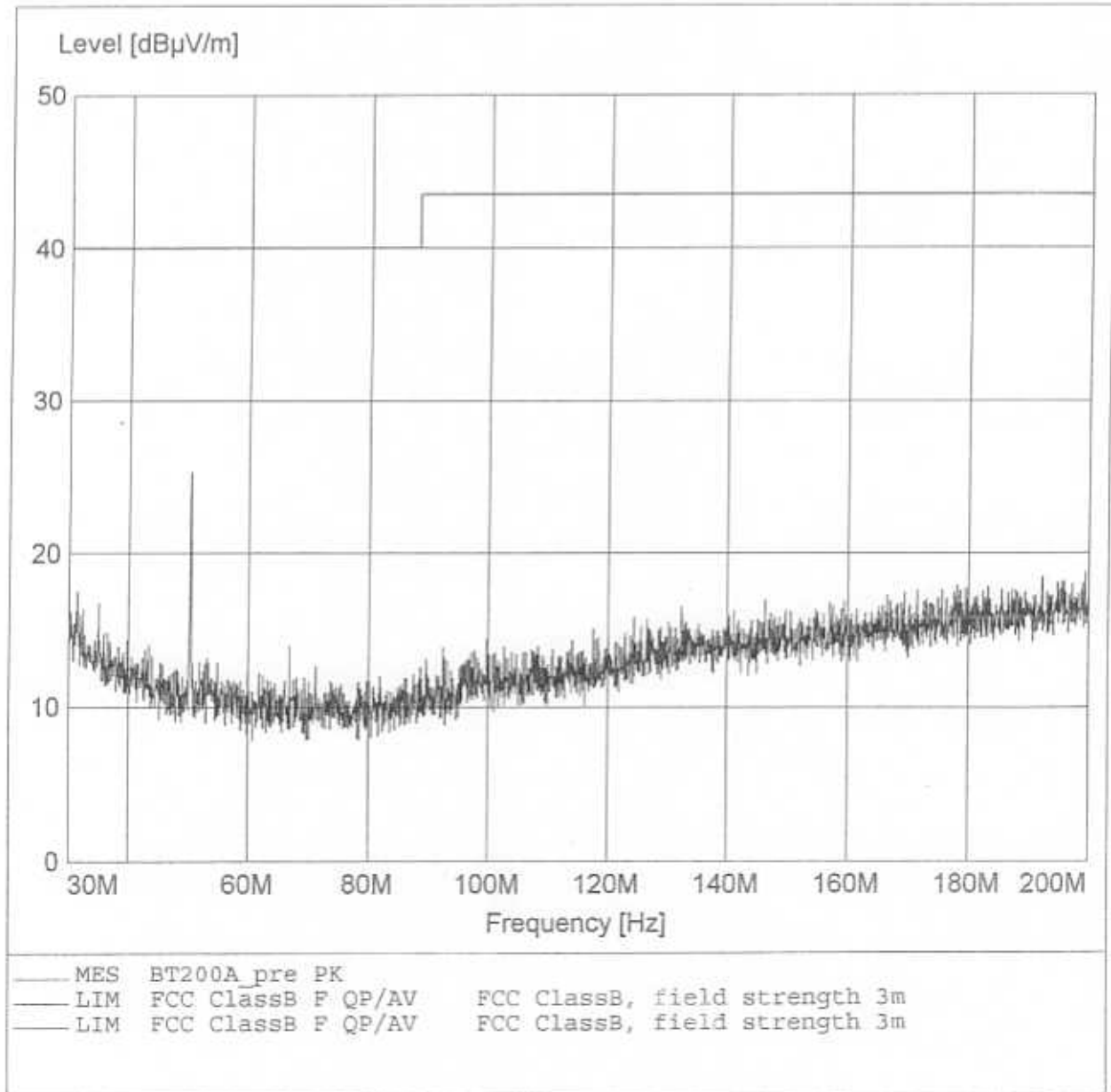
*Spurious emission under normal conditions
according to FCC part 15*

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



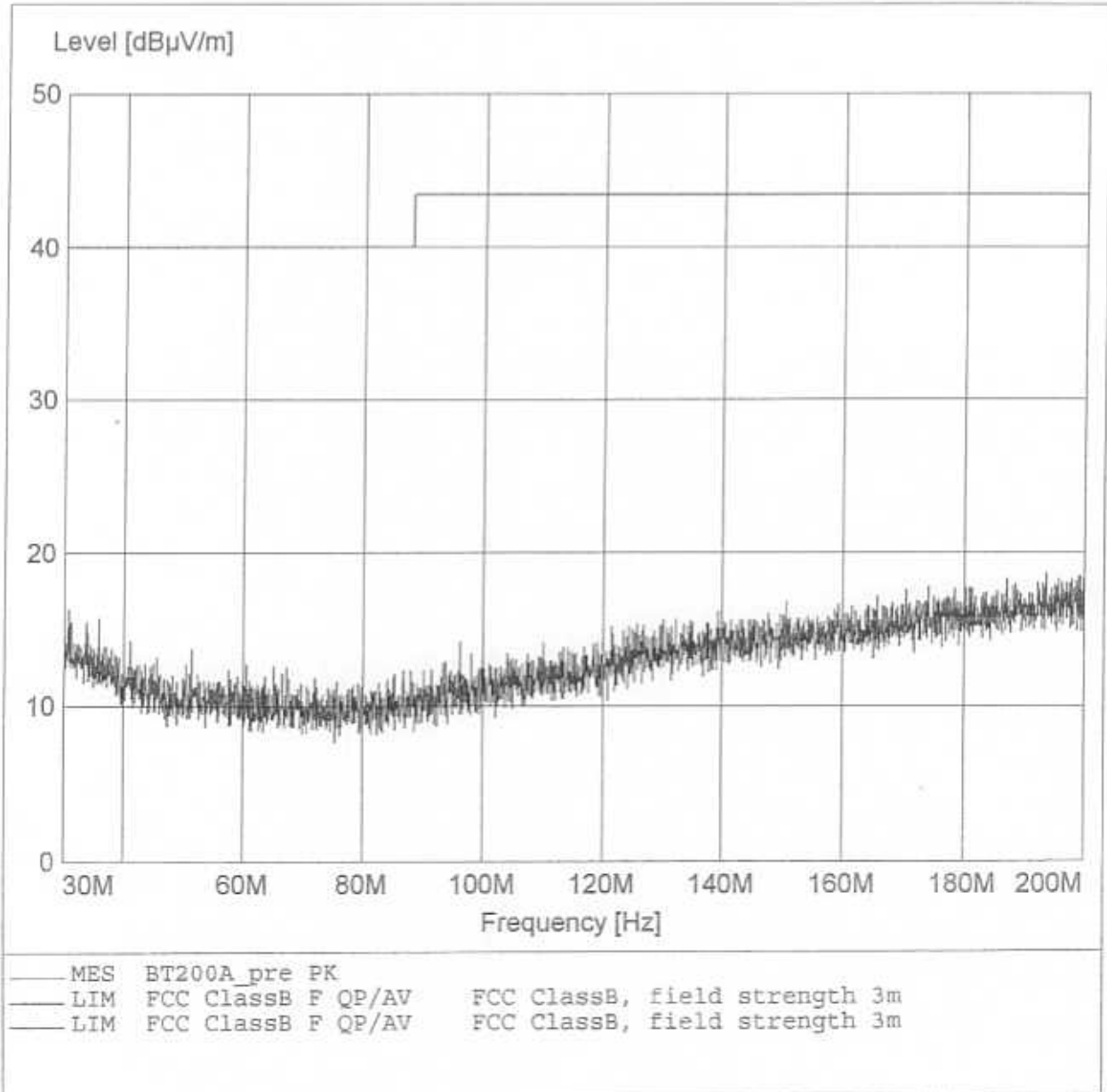
Spurious emission under normal conditions
according to FCC part 15

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)



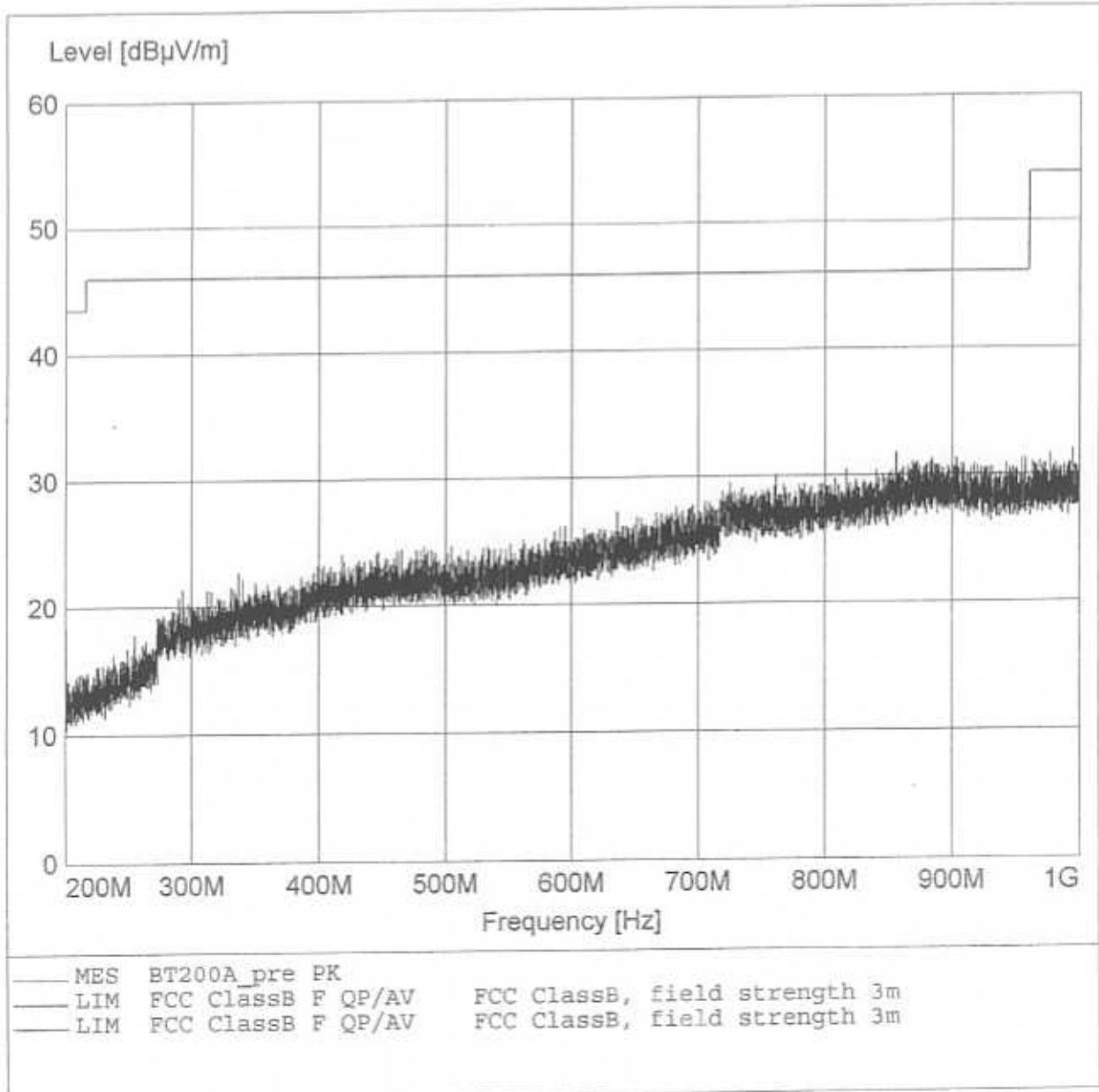
*Spurious emission under normal conditions
according to FCC part 15*

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

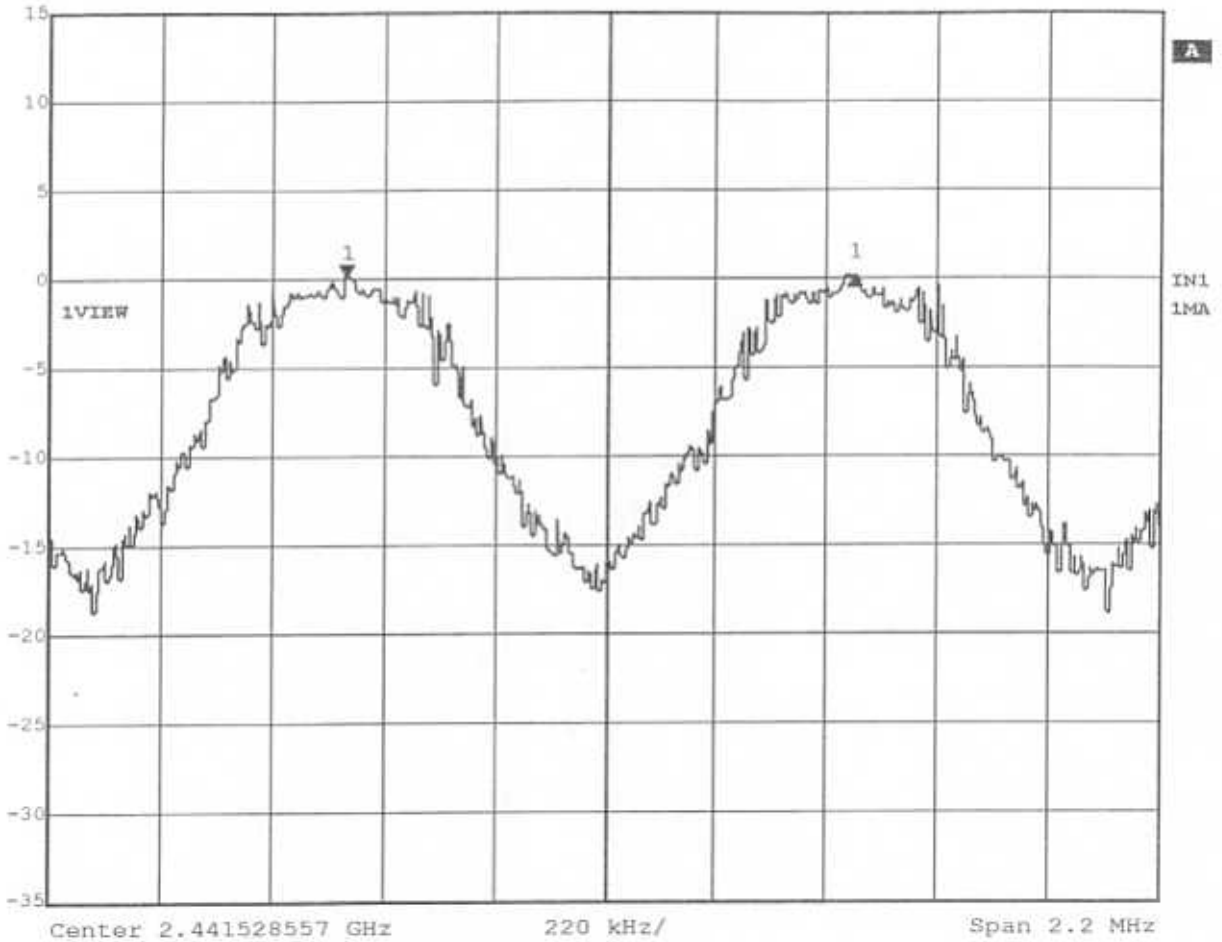


Appendix F

Carrier Frequency Separation



Delta 1 [T1]	REW	100 kHz	RF Att	40 dB
-0.03 dB	VBW	100 kHz		
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

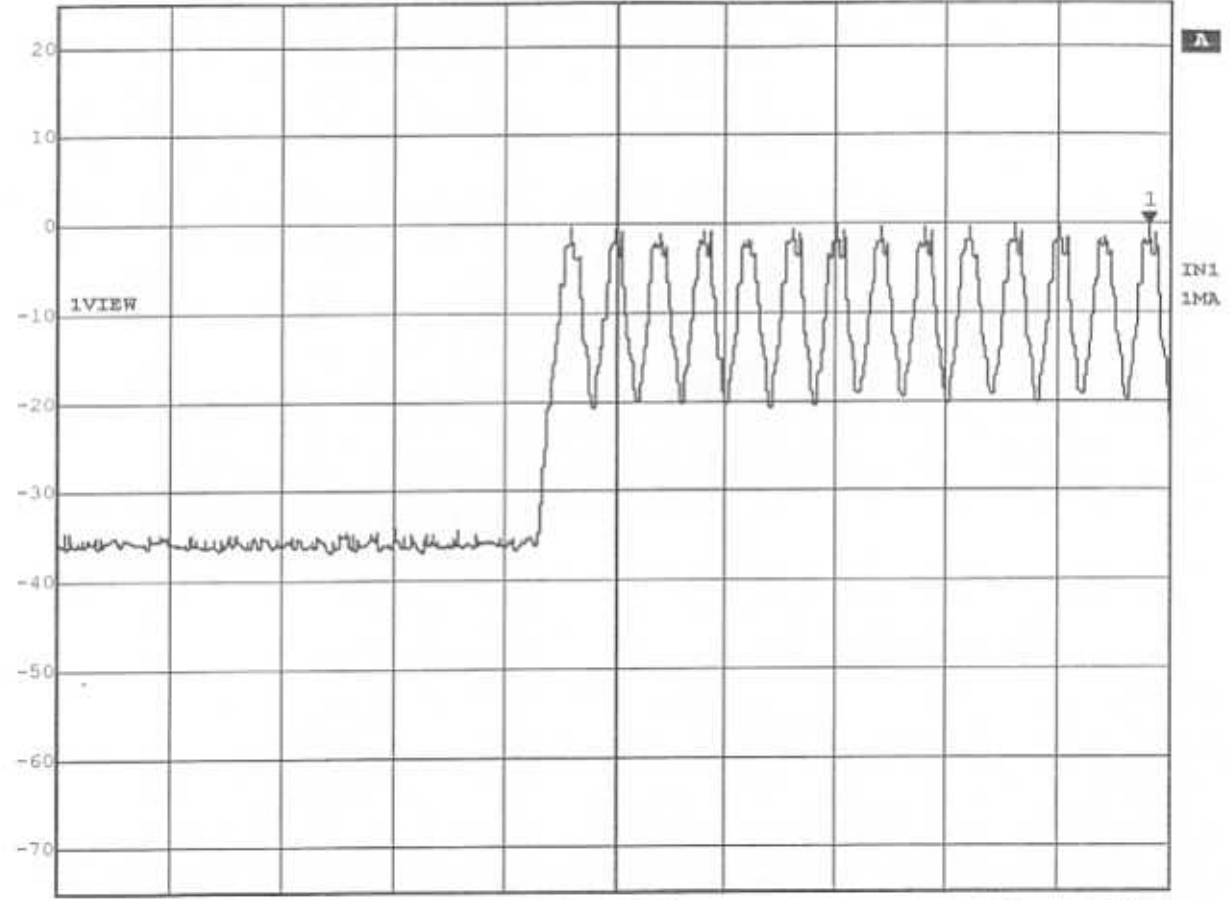


Appendix G

Number of Hopping Frequencies



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

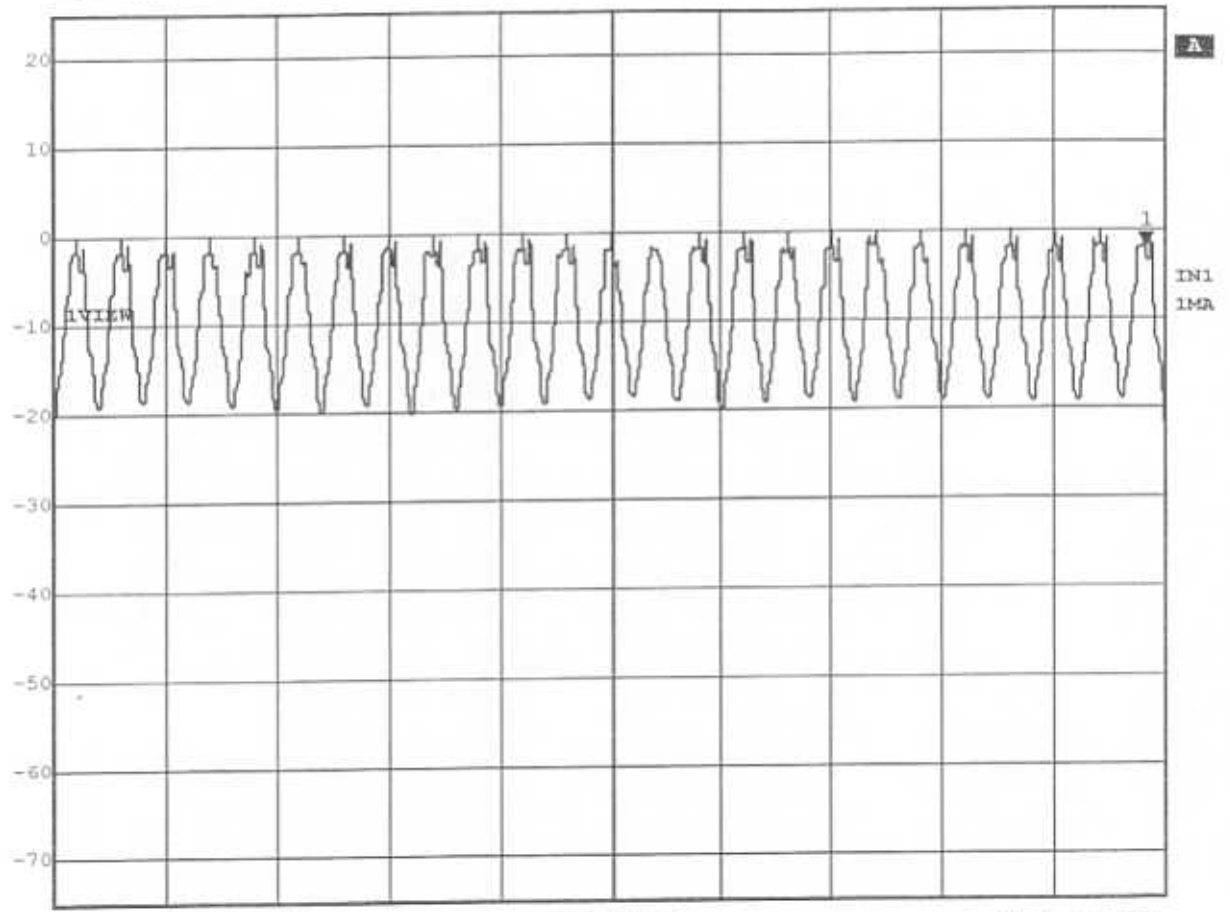


Center 2.403 GHz 2.5 MHz/ Span 25 MHz

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



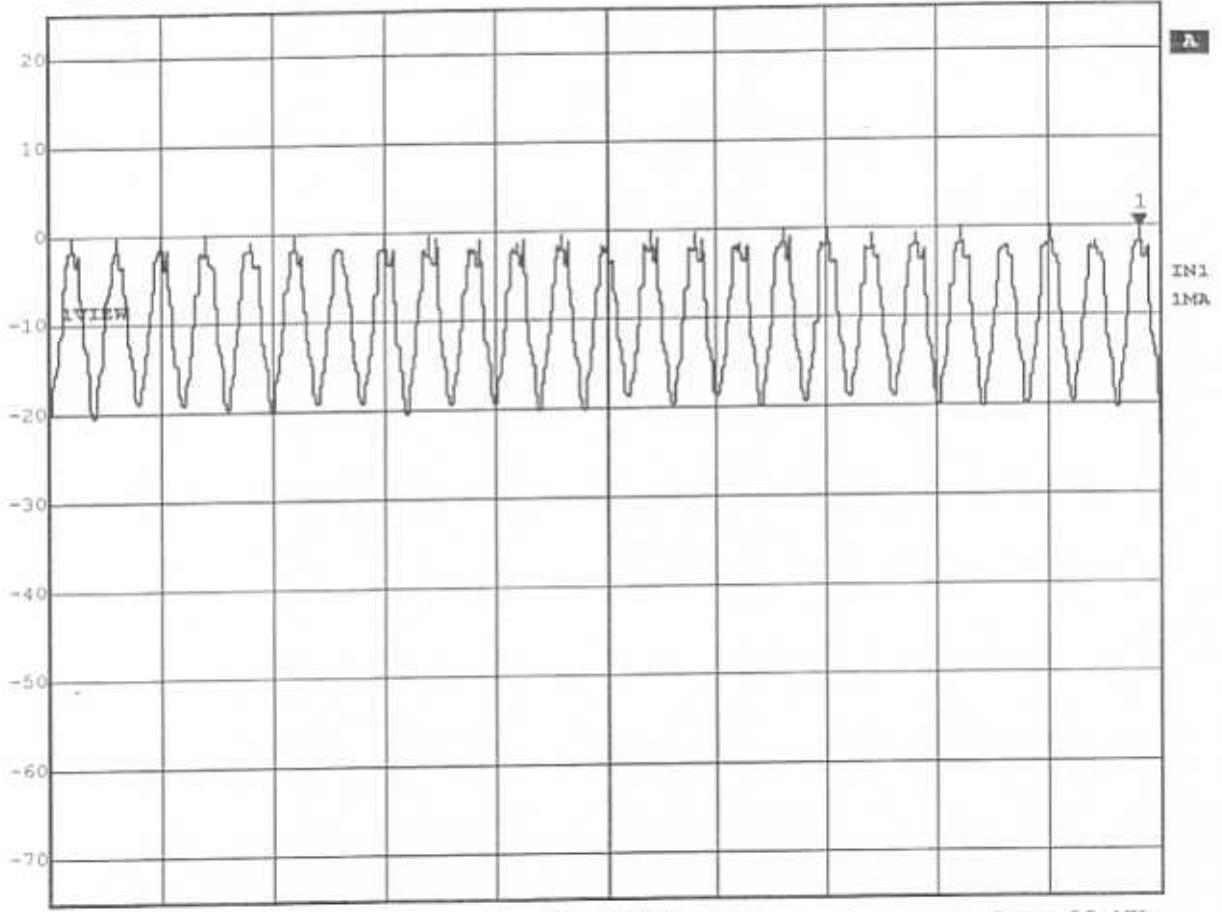
Ref Lvl	Marker 1 [T1]	RBW	50 kHz	RF Att	50 dB
25 dBm	-2.00 dBm	VBW	50 kHz		
	2.44009920 GHz	SWT	25 ms	Unit	dBm



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	RBW	50 kHz	RF Att	50 dB
			2.46504910 GHz	VBW	50 kHz	Unit	dBm
				SWT	25 ms		

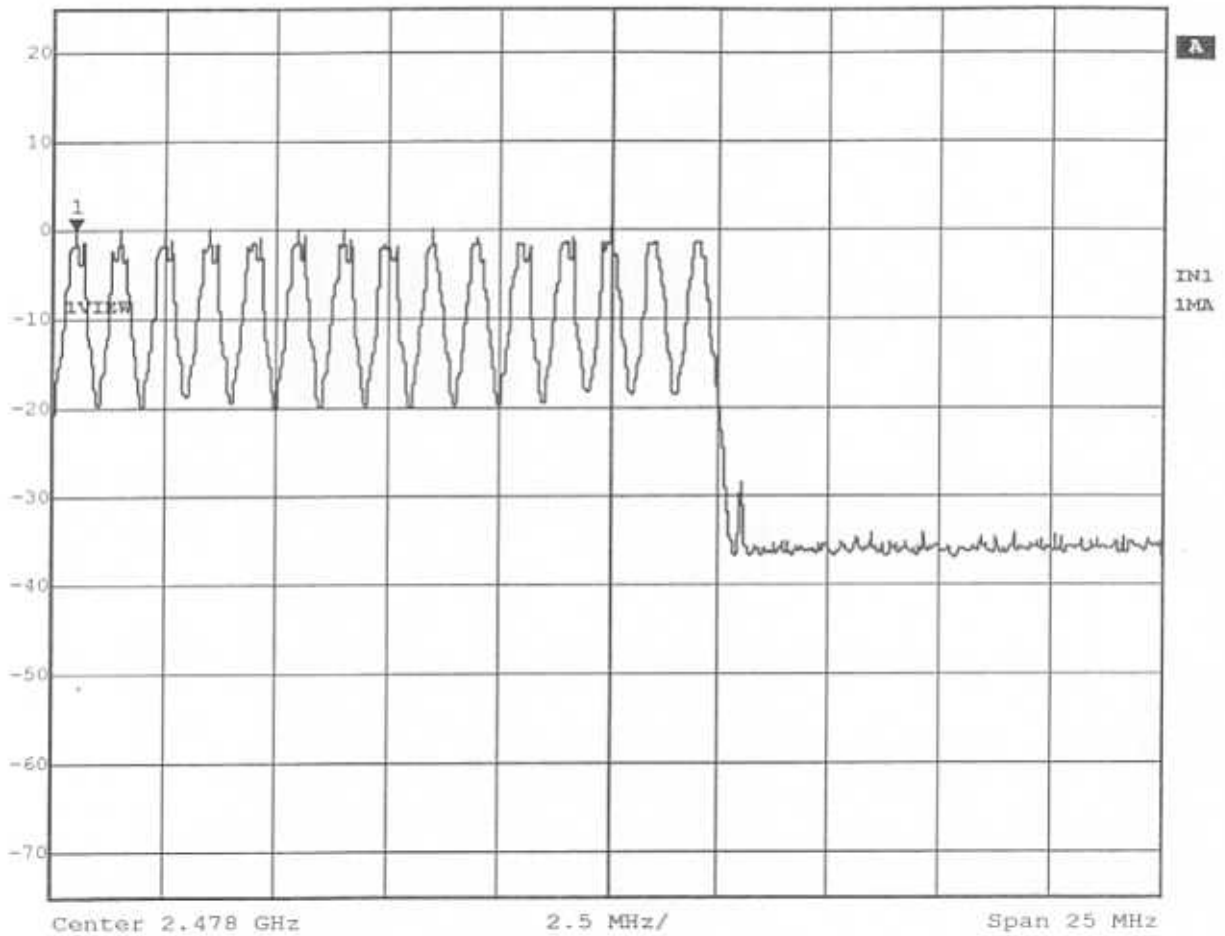


Center 2.453 GHz 2.5 MHz/ Span 25 MHz

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



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



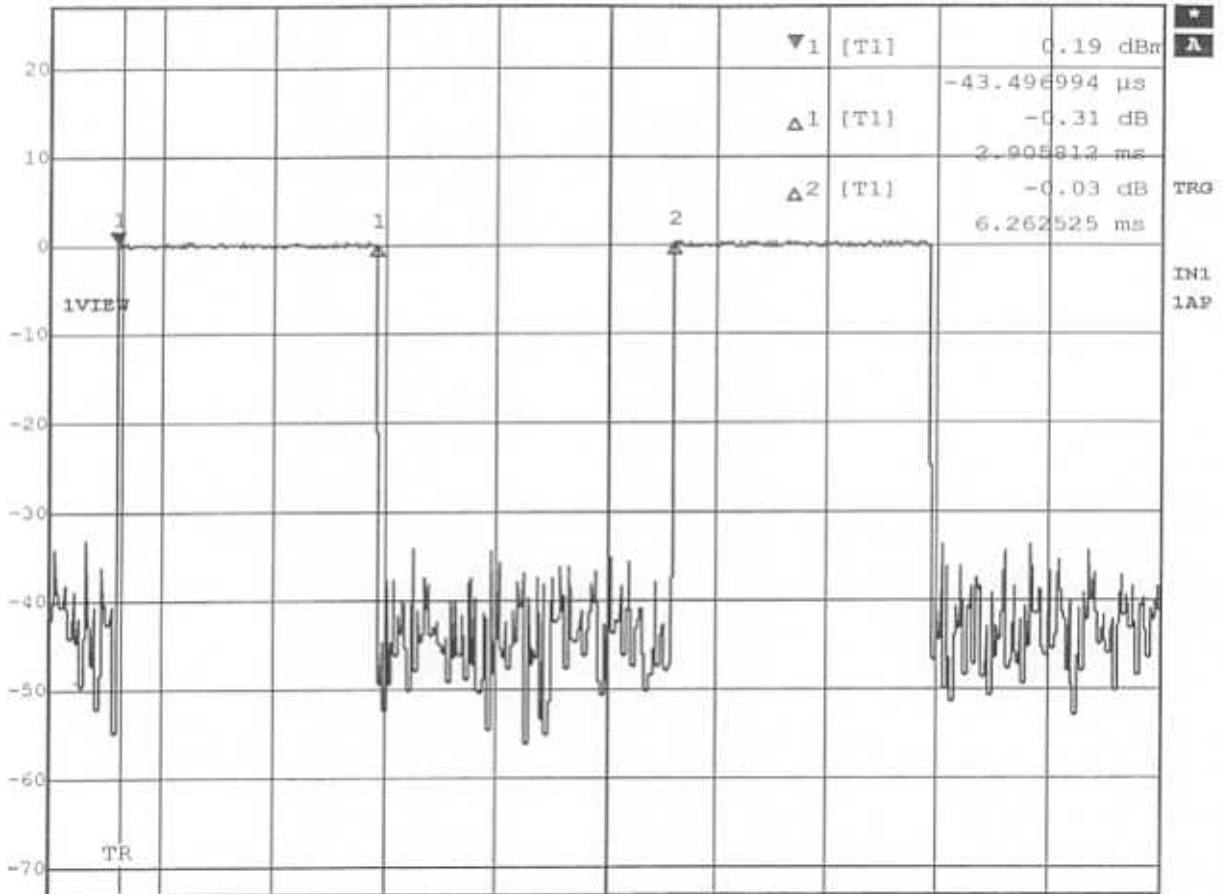
Title: Number of Hopping Frequencies Ch.: 64-78
Comment A: GN Netcom A/S
 Jabra FreeSpeak Bluetooth Phone Dongle BT200A
Date: 21.AUG.2002 10:56:53

Appendix H

Time of Occupancy (Dwell Time)



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



Center 2.441 GHz

1.25 ms/

Title: Dwell Time

Comment A: GN Netcom A/S

Jabra FreeSpeak Bluetooth Phone Dongle BT200A

Date: 21.AUG.2002 10:16:34

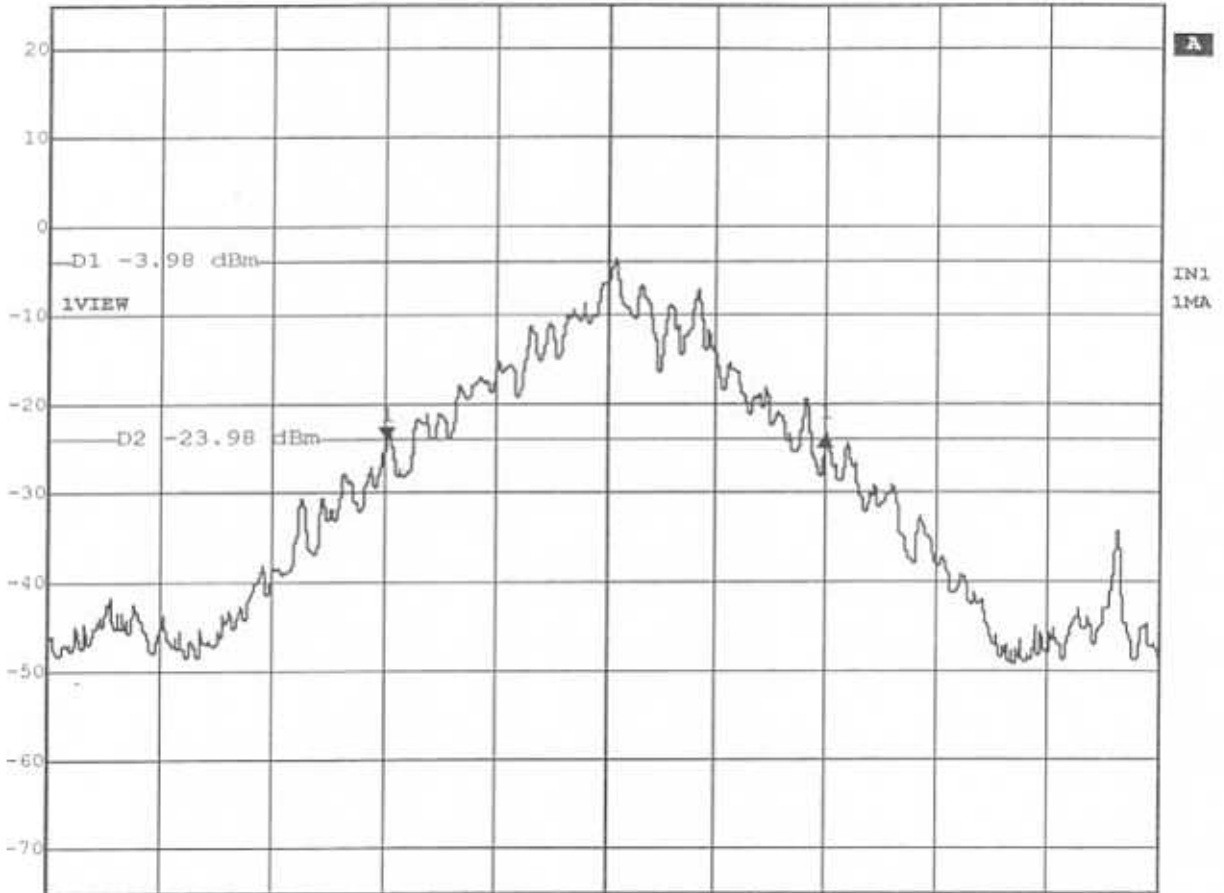


Appendix I

20dB Bandwidth



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

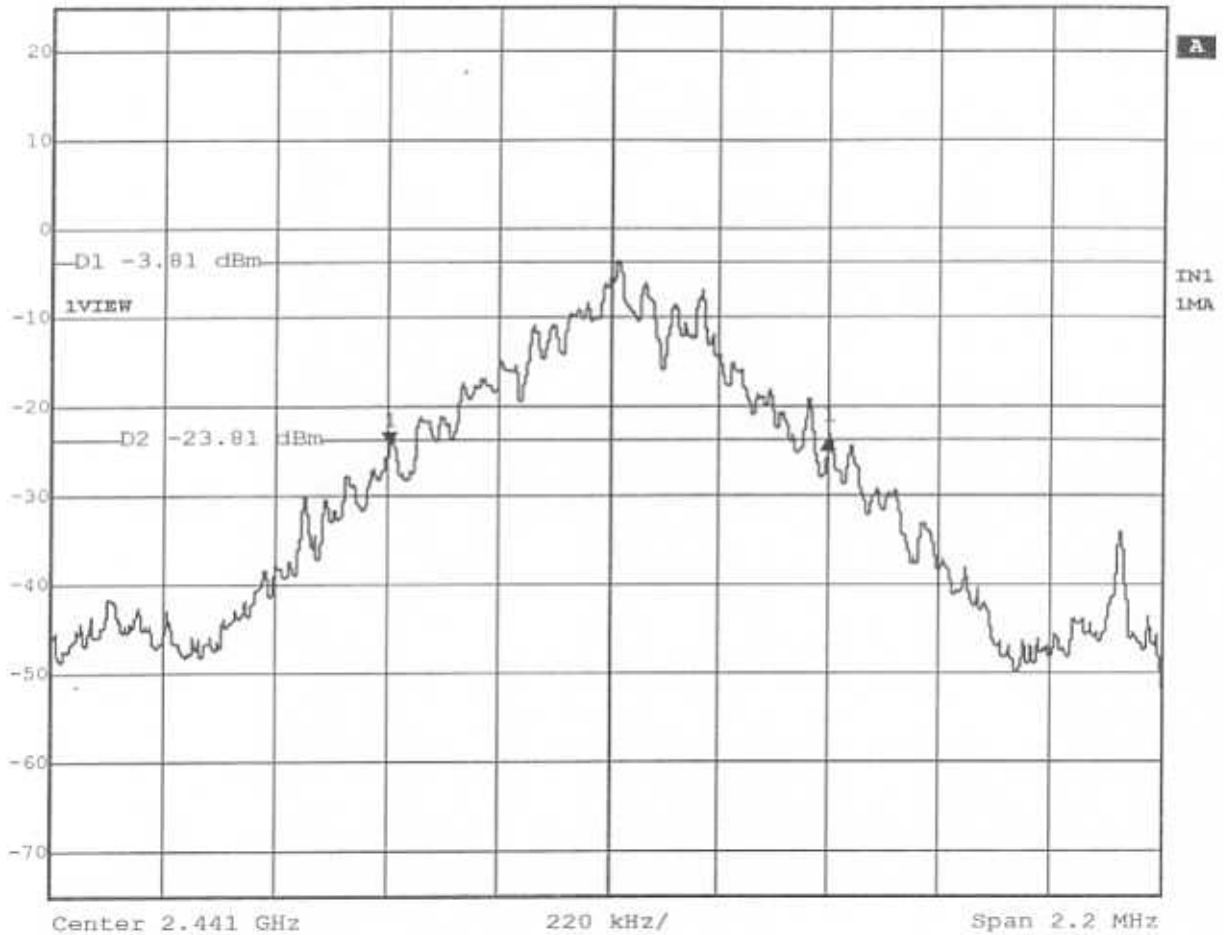


Center 2.402 GHz 220 kHz/ Span 2.2 MHz

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
0.51 dB	VBW	10 kHz		
872.94589178 kHz	SWT	56 ms	Unit	dBm
Ref Lvl				
25 dBm				



Title: -20 dB Bandwidth Ch.: 39

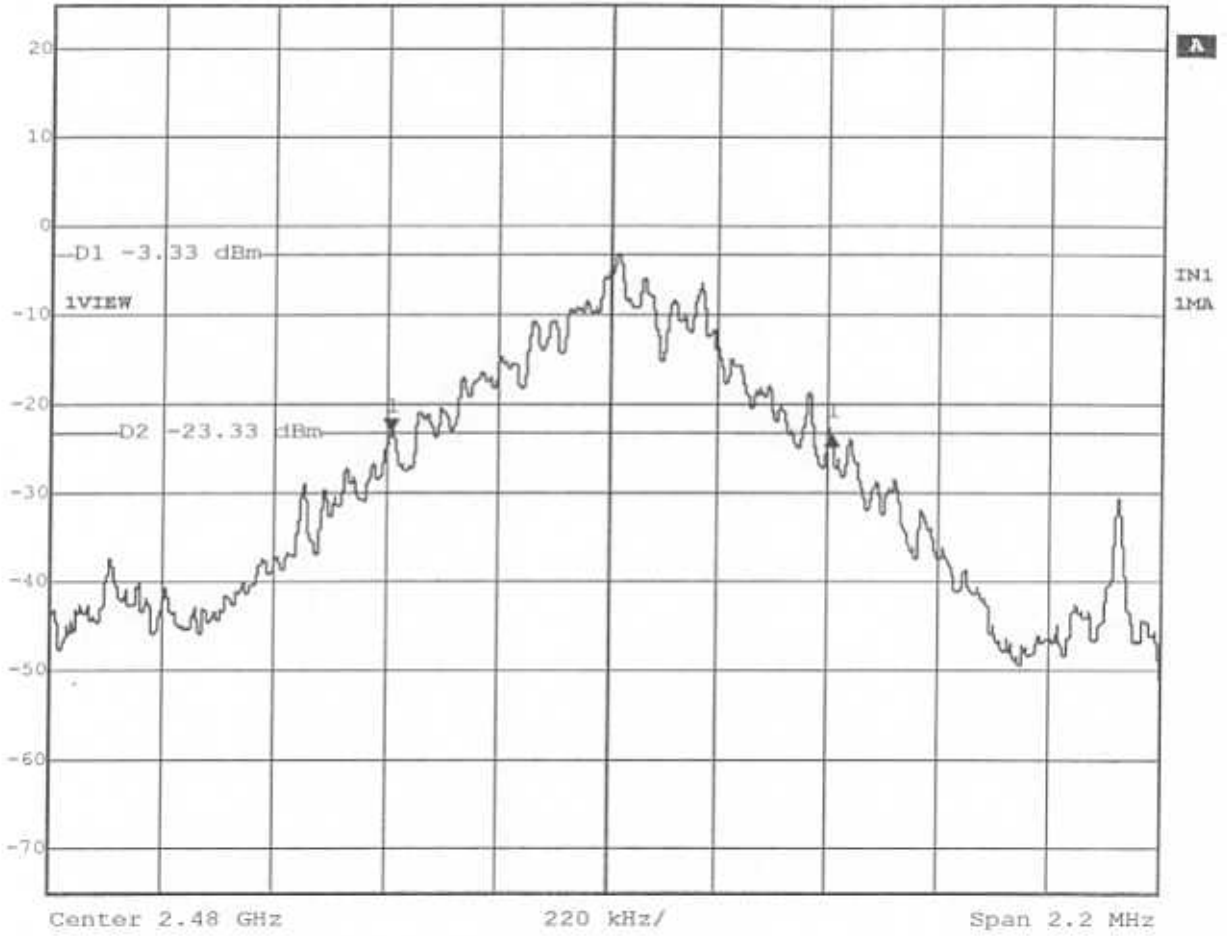
Comment A: GN Netcom A/S

Jabra FreeSpeak Bluetooth Phone Dongle BT200A

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



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

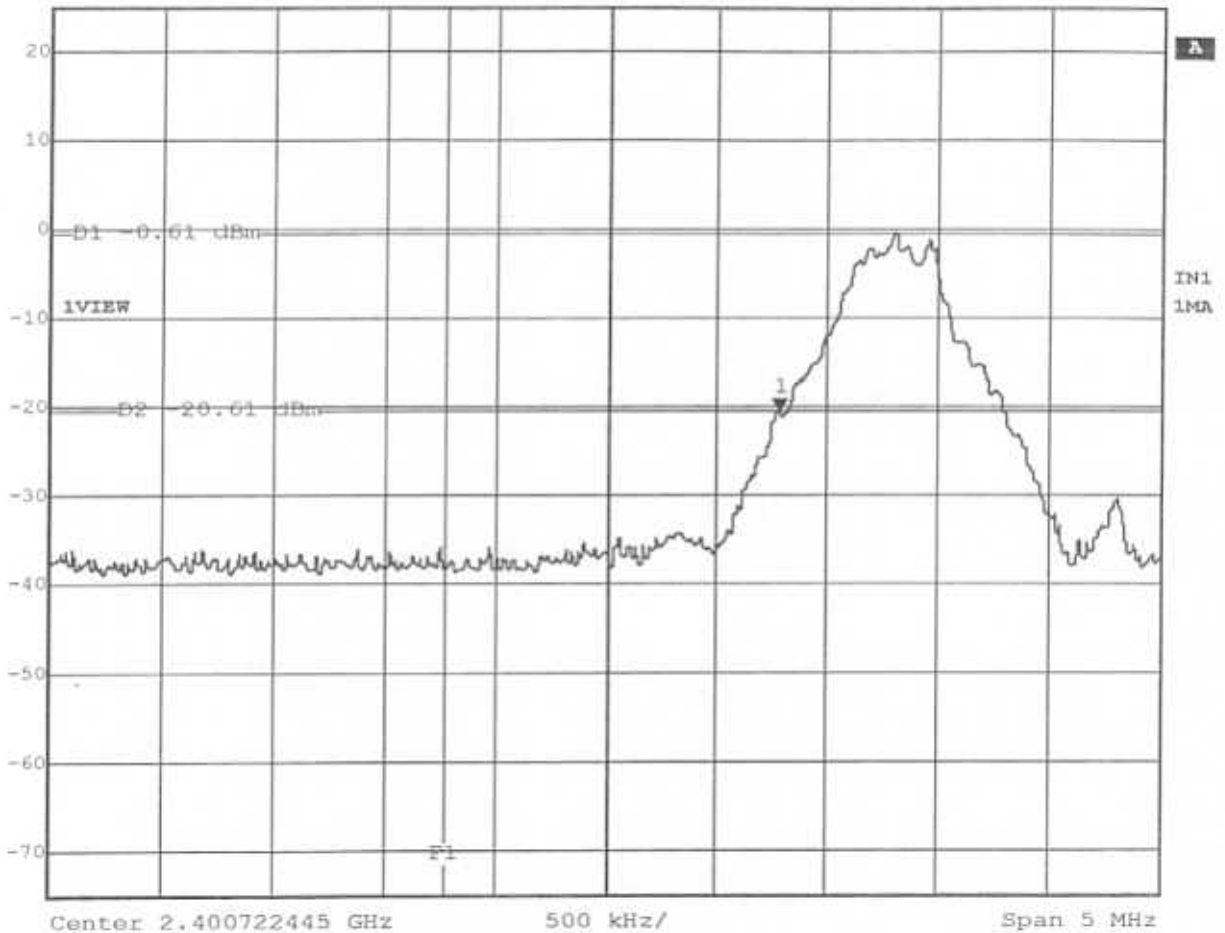


Appendix J

Band-edge Compliance of RF Emissions



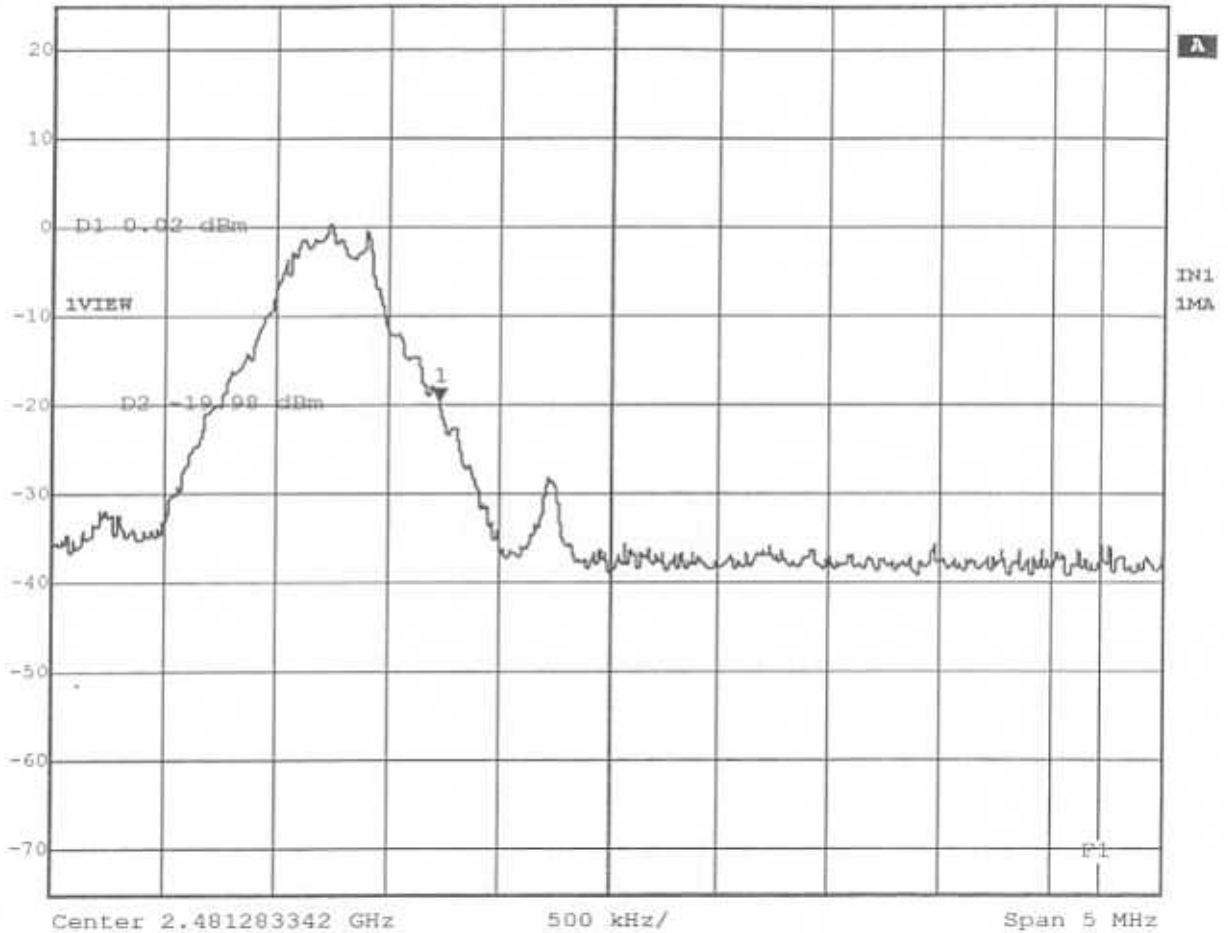
Marker 1 [T1] REW 50 kHz RF Att 50 dB
Ref Lvl -20.65 dBm VBW 50 kHz
25 dBm 2.40150902 GHz SWT 5 ms Unit dBm



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



Ref Lvl	Marker 1 [T1]	RBW	50 kHz	RF Att	50 dB
25 dBm	-19.65 dBm	VBW	50 kHz		
	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

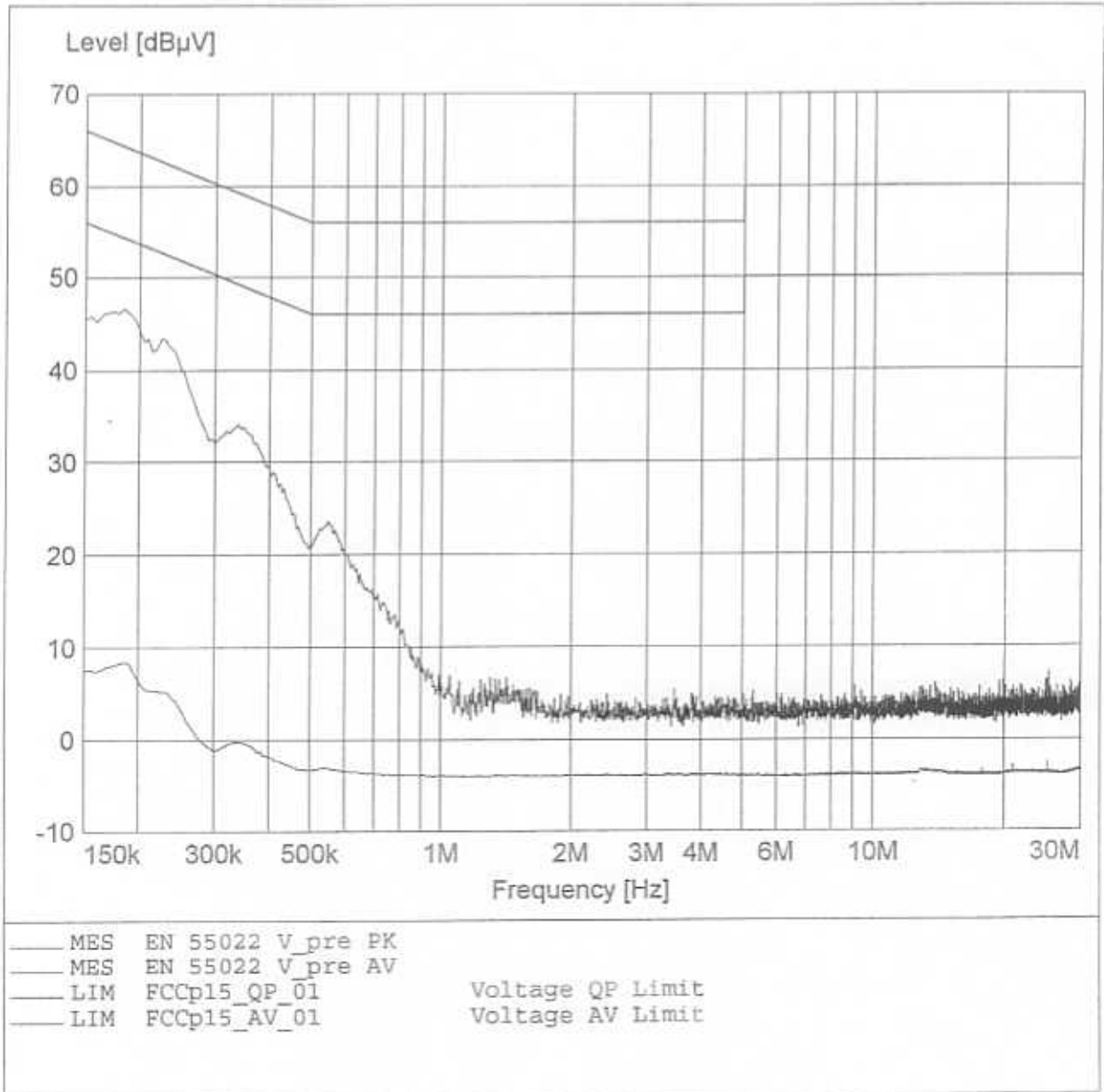


Appendix K

Conducted Measurement at (AC) Power Line

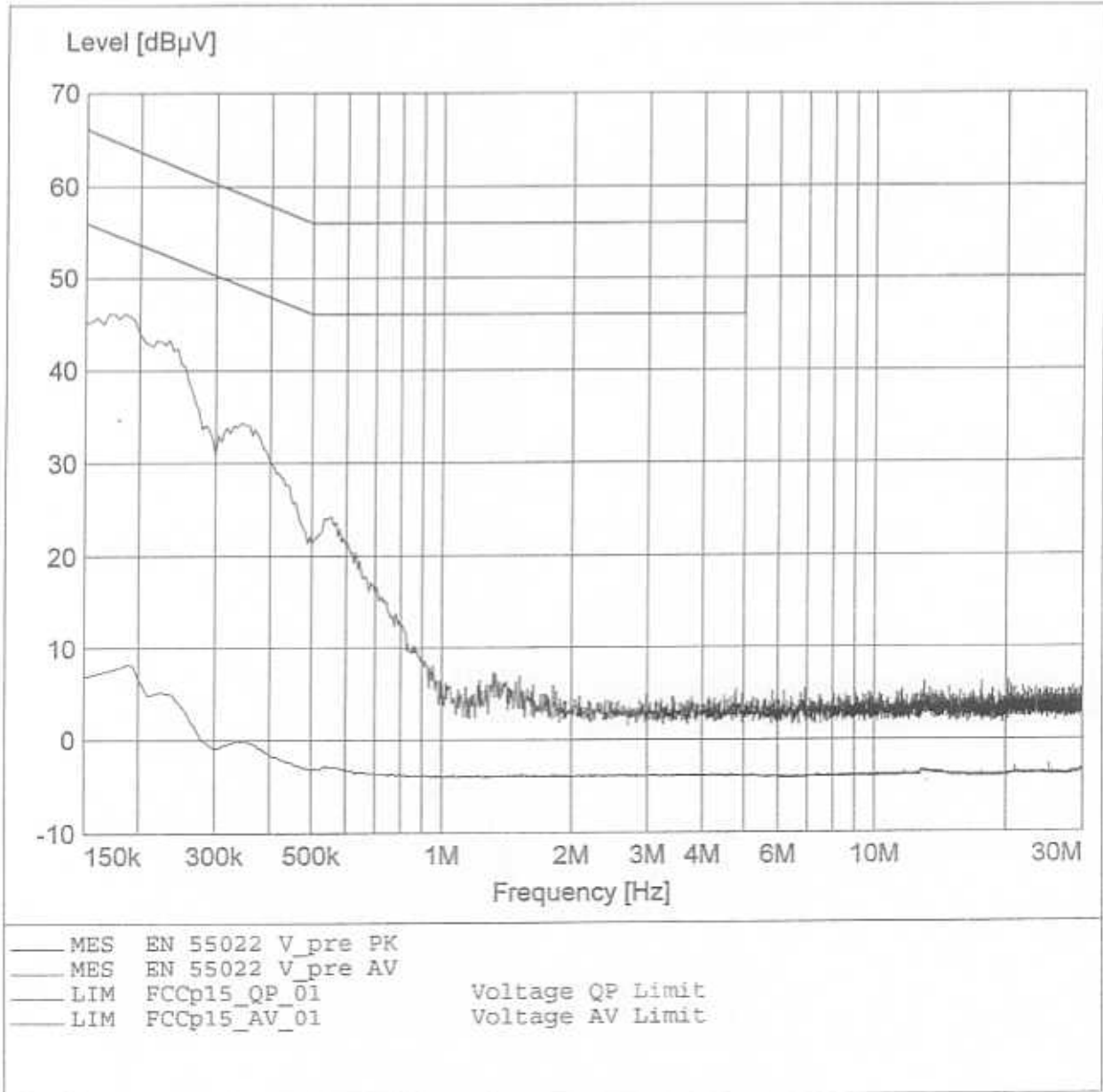
EMI voltage test in the ac-mains according to FCC part 15

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



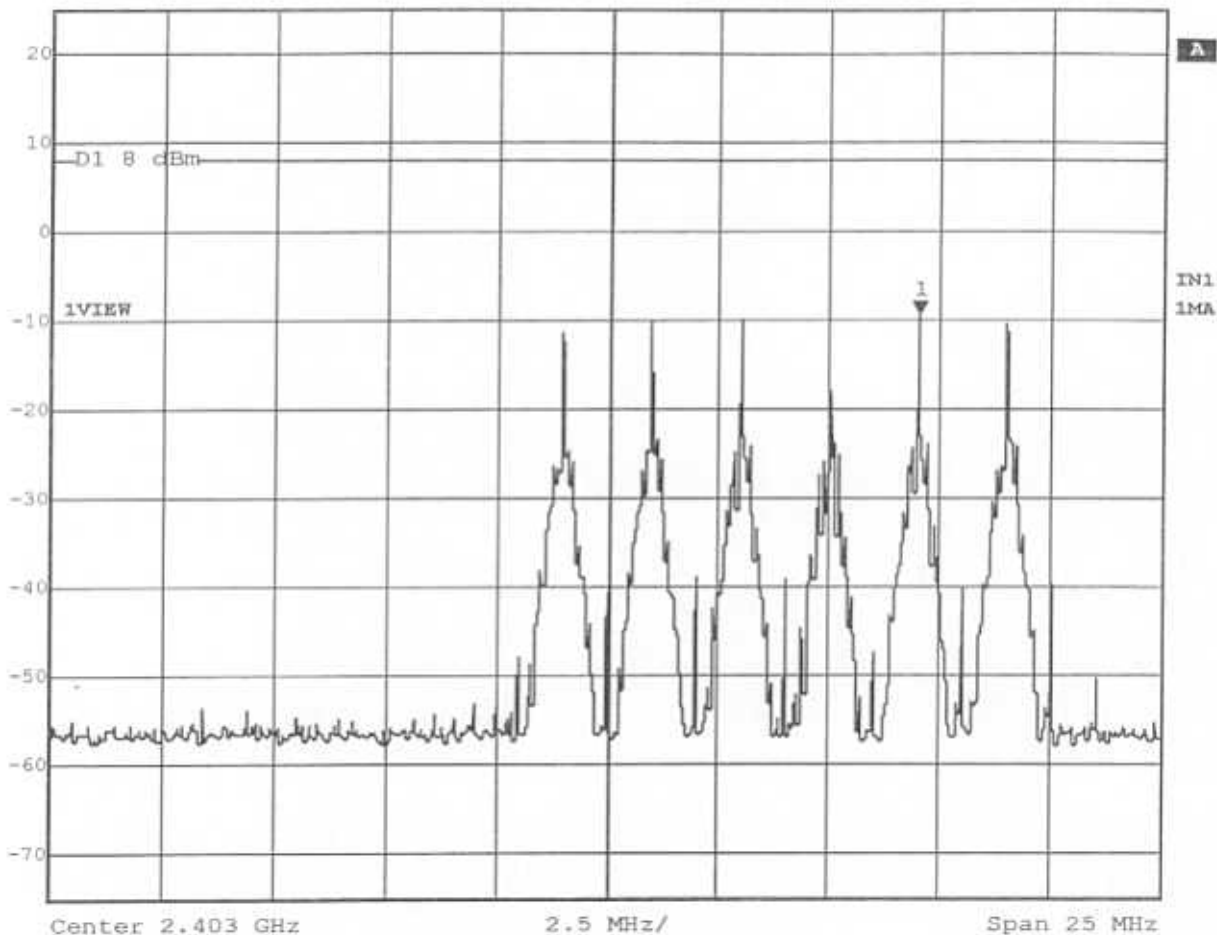


Appendix L

Peak Power Spectral Density (Master Inquiry Mode)



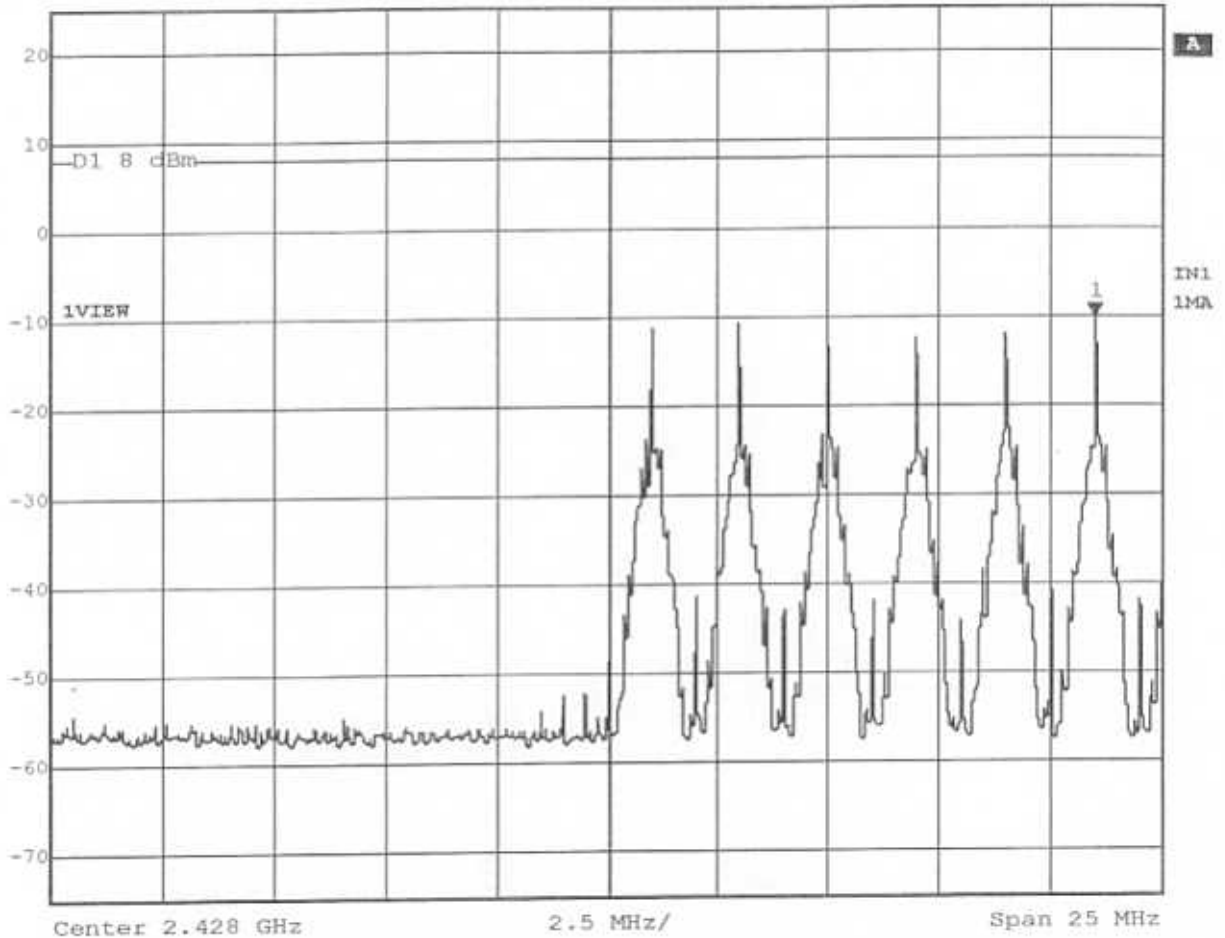
Ref Lvl	25 dBm	Marker 1 [T1]	2.41003908 GHz	RBW	3 kHz	RF Att	50 dB
				VBW	3 kHz		
				SWT	10 s	Unit	dBm



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



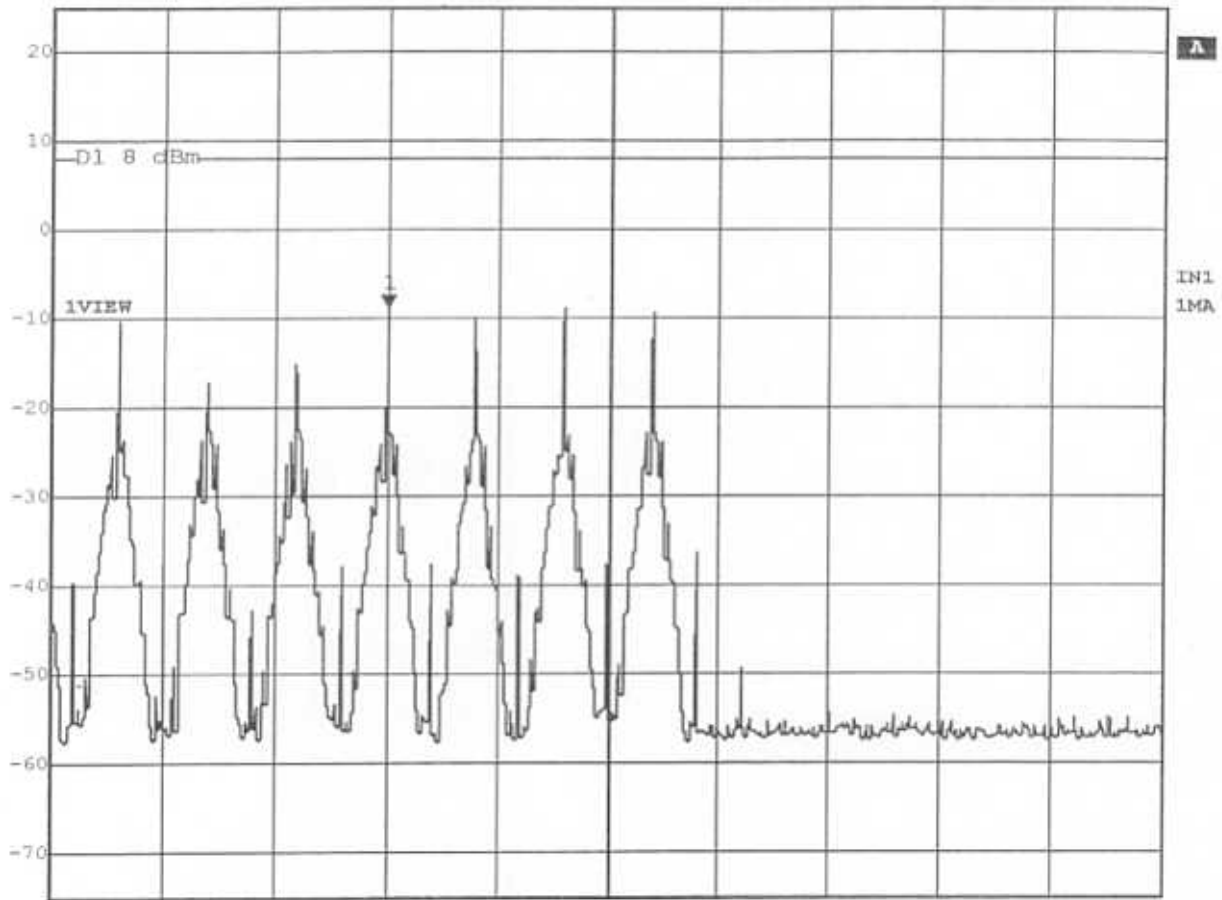
Marker 1 [T1]	RBW	3 kHz	RF Att	50 dB
Ref Lvl	-10.06 dBm	VBW	3 kHz	
25 dBm	2.43899699 GHz	SWT	10 s	Unit dBm



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



Marker 1 [T1] REW 3 kHz RF Att 50 dB
Ref Lvl -8.77 dBm VEW 3 kHz
25 dBm 2.47301503 GHz SWT 10 s Unit dBm

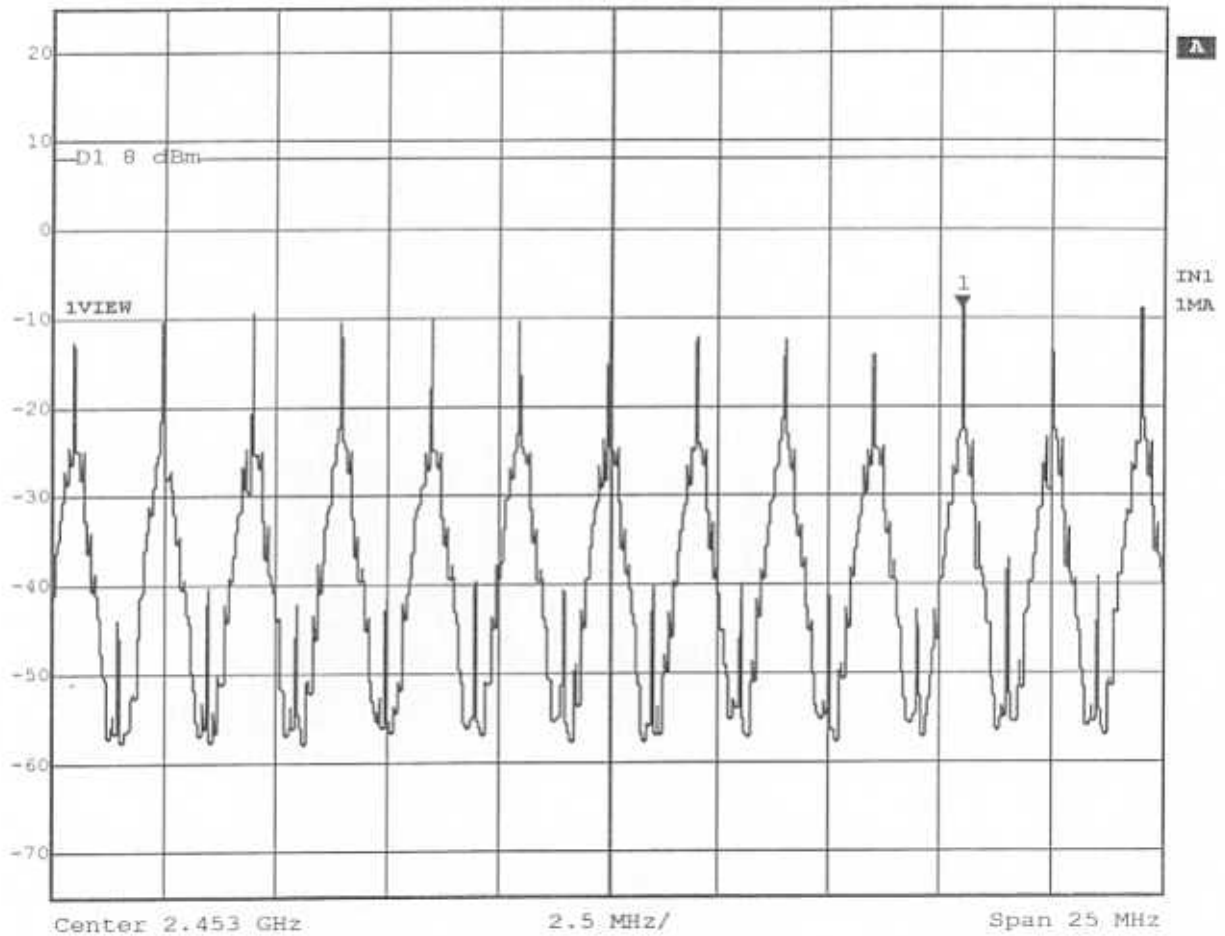


Center 2.478 GHz 2.5 MHz/ Span 25 MHz

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



Ref Lvl	25 dBm	Marker 1 [T1]	2.46099098 GHz	RBW	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 13:59:43