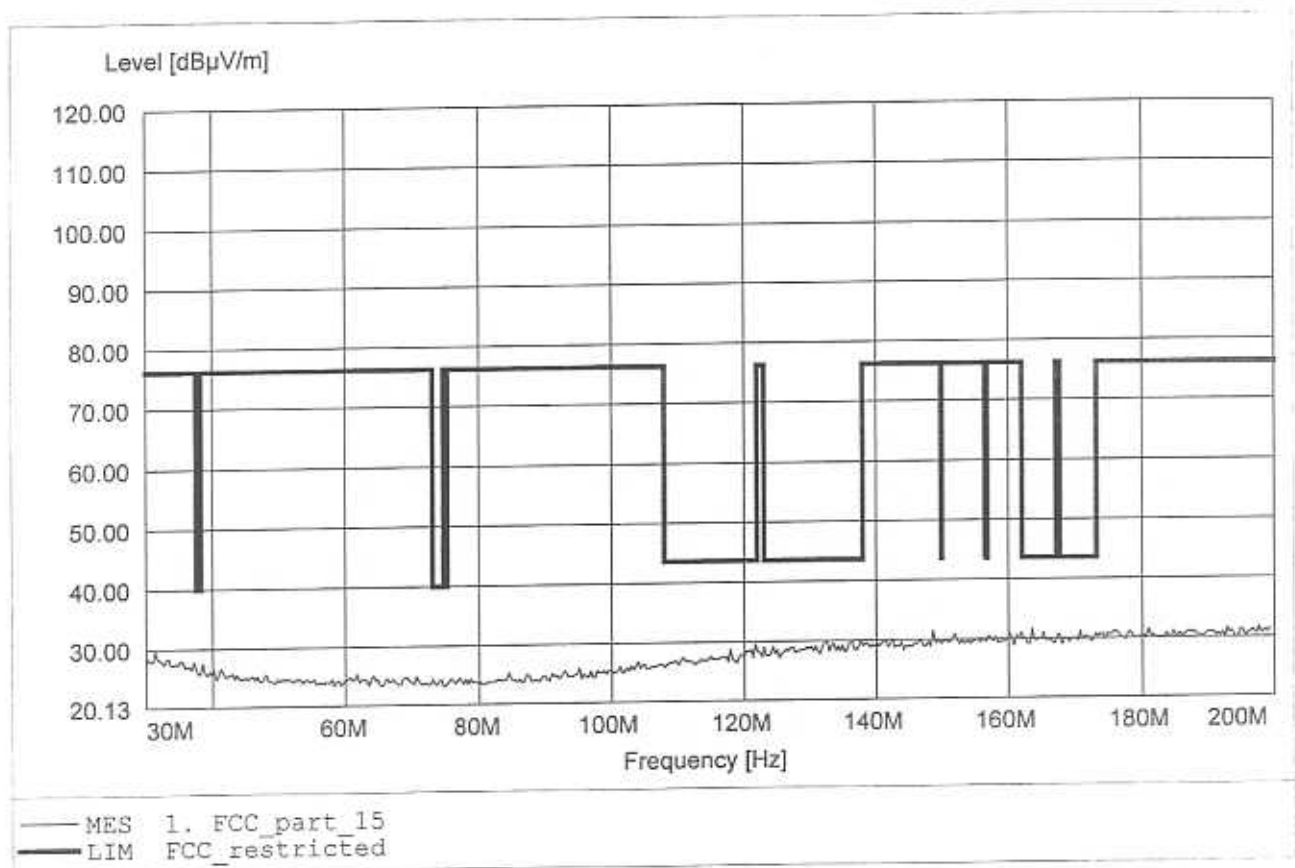


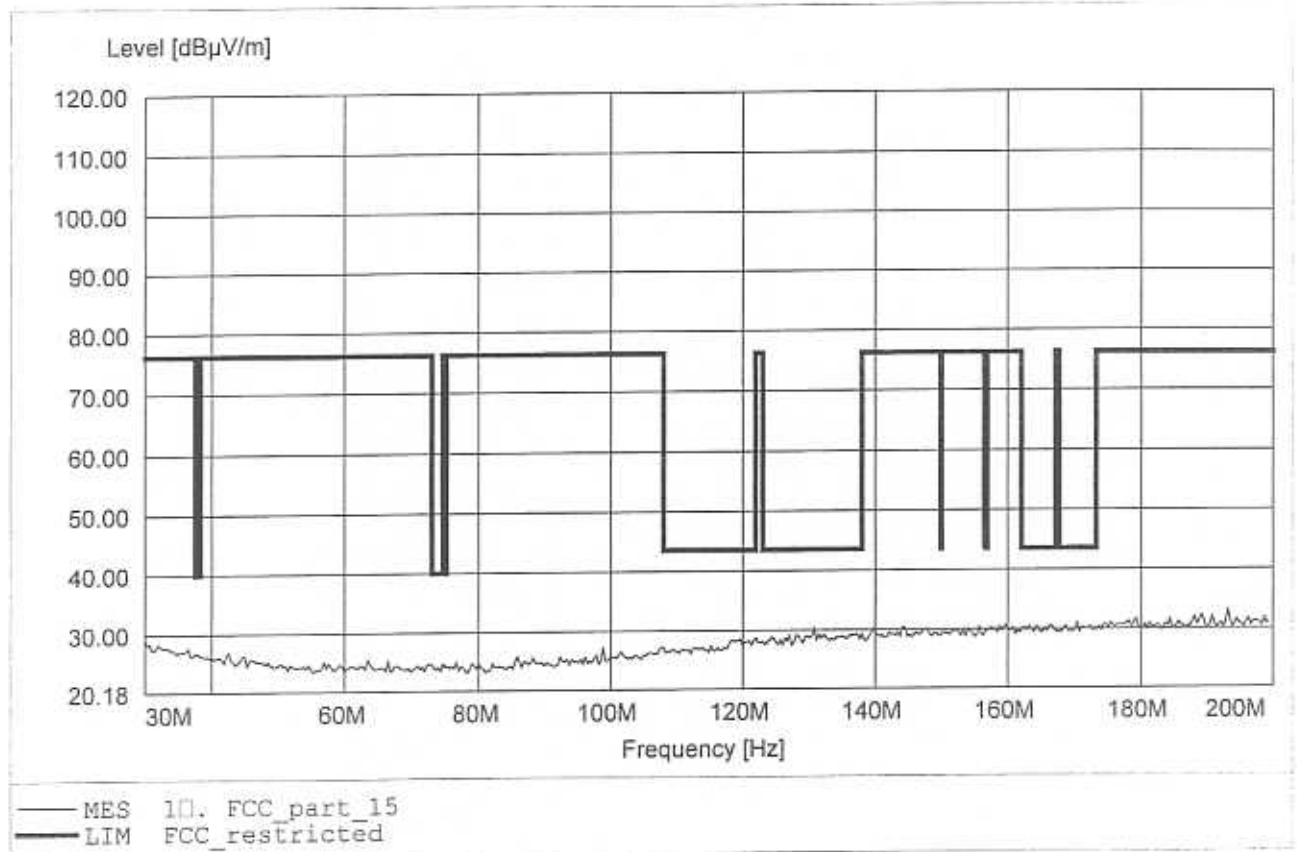
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT :	Bluetooth Wireless Headset	Tx 2480 MHz
Model:	Shark Siemens/ Jabra	
Approval Holder:	GN Netcom	
Operating Condition:	Tnom:23°C / Unom: 3.7 V DC	
Test Site / Operator:	ETS / Mr. F.Schulz	
Test Specification:	according to §15.247	
Comment 1:	Dist.: 3m, Ant.: HK 116	
Comment 2:	Freq: 197.615MHz, Emax: 31.80dBµV/m, RBW: 100kHz	



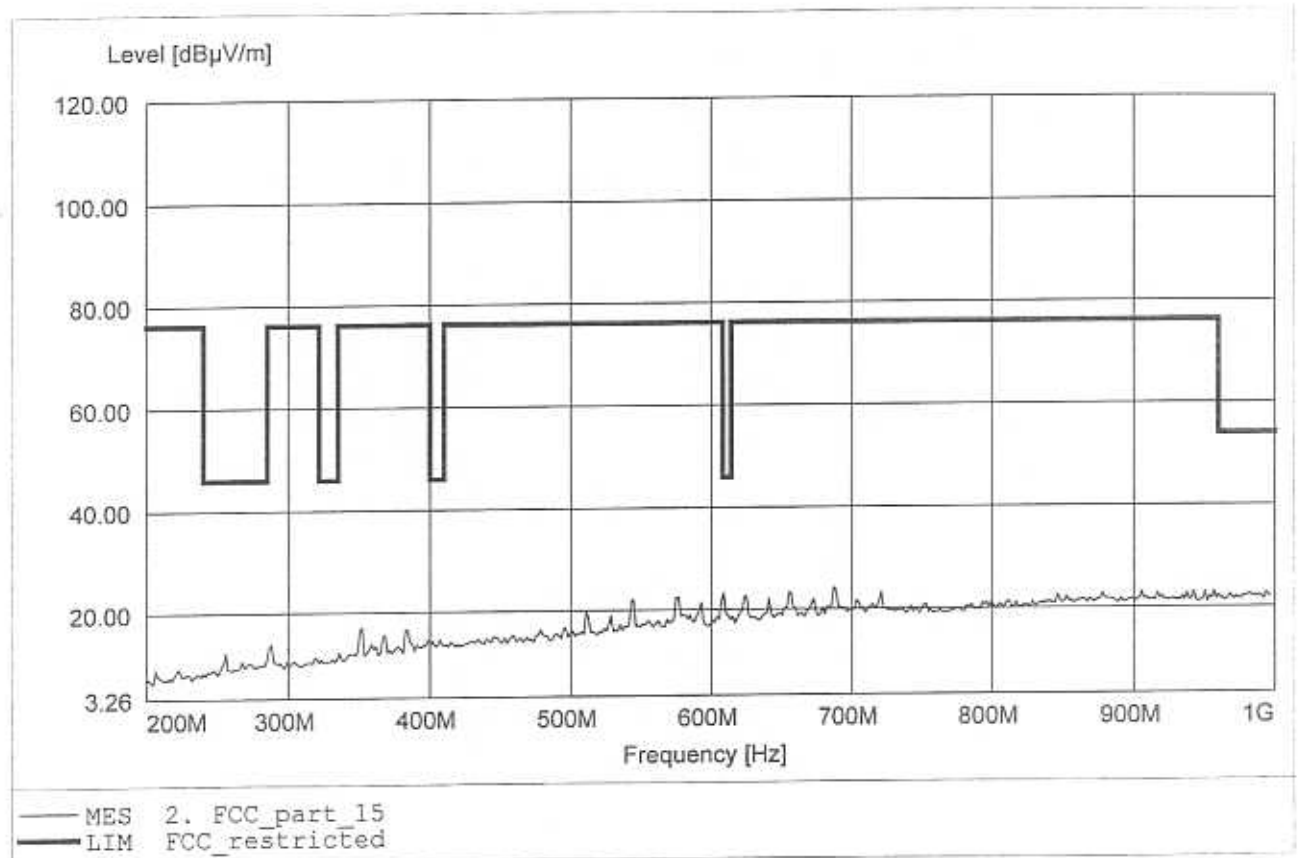
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Wireless Headset Tx 2480 MHz
Model: Shark Siemens/ Jabra
Approval Holder: GN Netcom
Operating Condition: Tnom:23°C / Unom: 3.7 V DC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 193.186MHz, Emax: 33.19dBµV/m, RBW: 100kHz



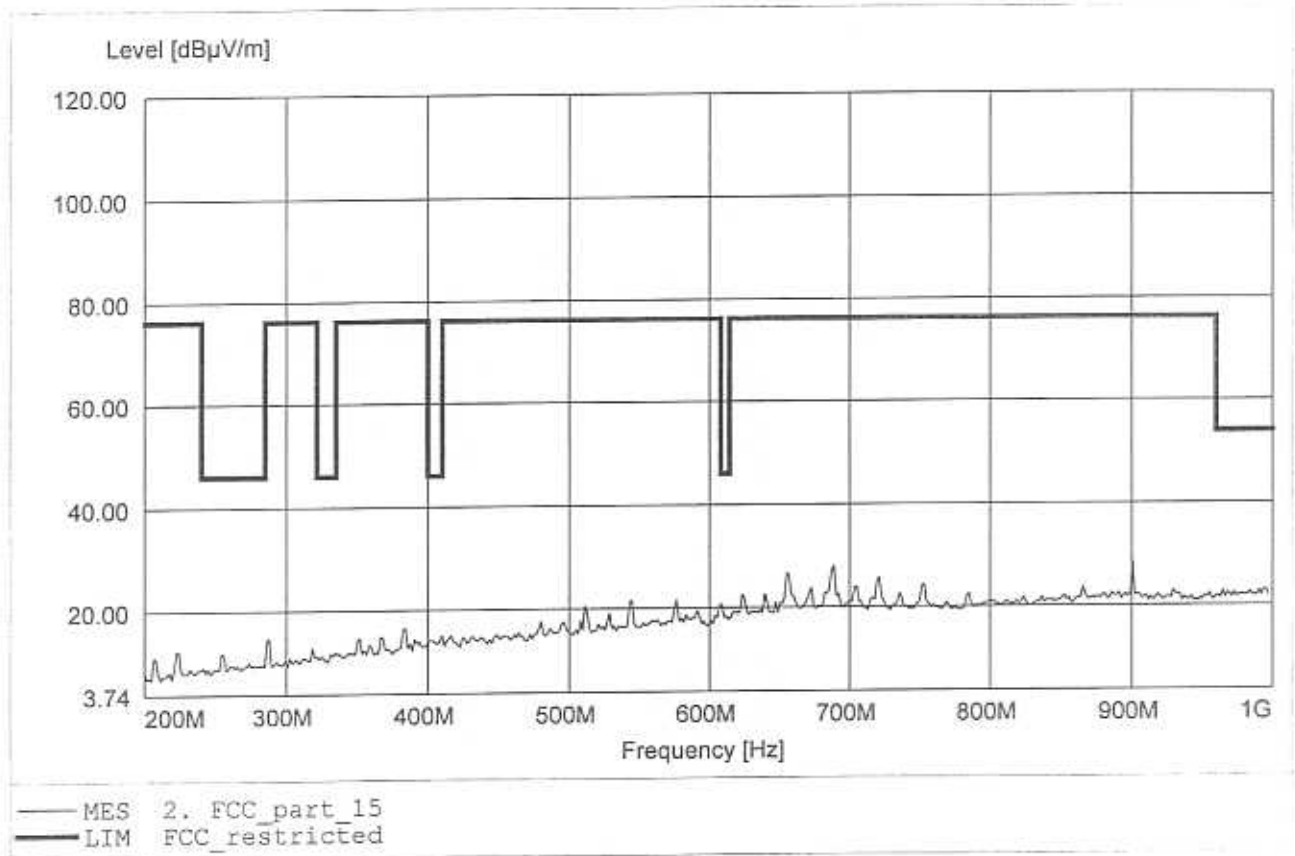
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Wireless Headset Tx 2480 MHz
Model: Shark Siemens/ Jabra
Approval Holder: GN Netcom
Operating Condition: Tnom:23°C / Unom: 3.7 V DC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 687.375MHz, Emax: 24.23dBuV/m, RBW: 100kHz



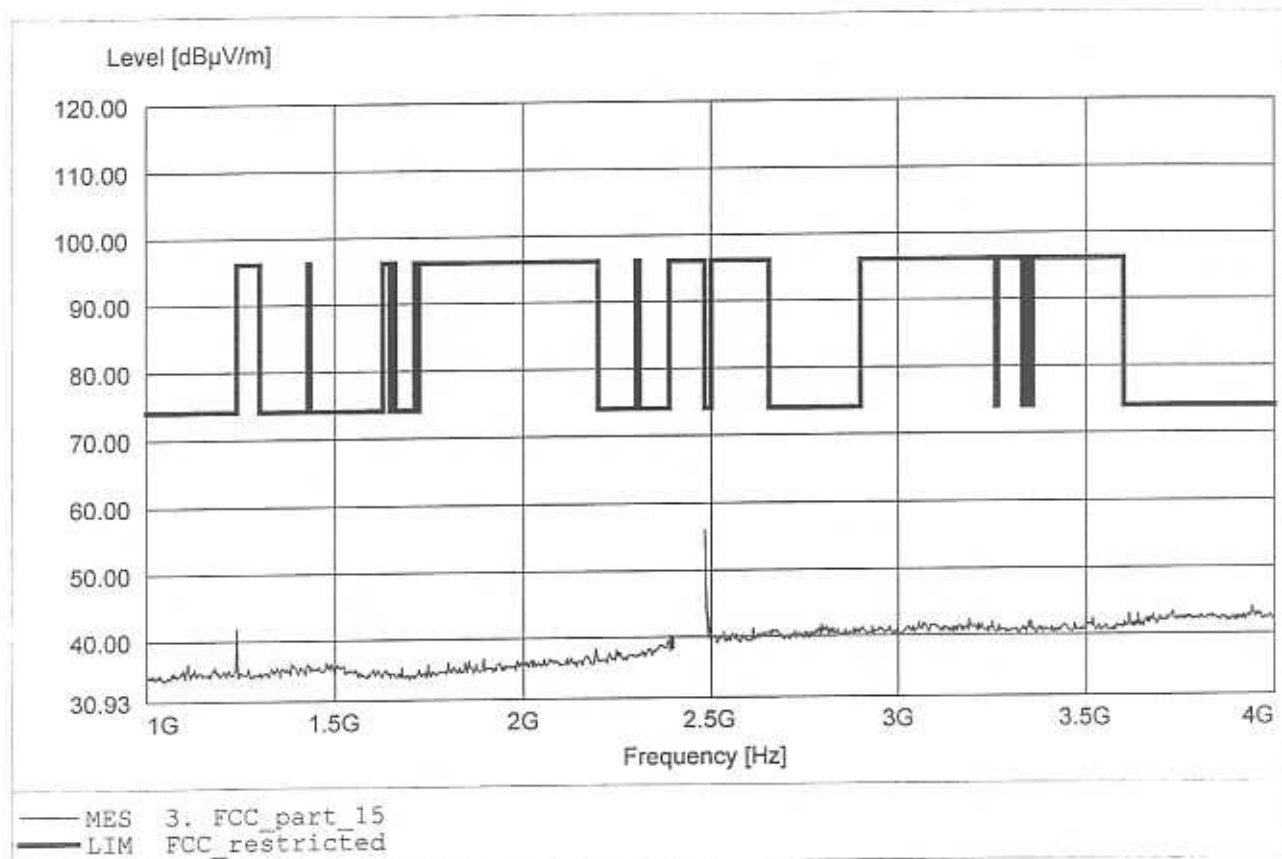
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Wireless Headset Tx 2480 MHz
Model: Shark Siemens/ Jabra
Approval Holder: GN Netcom
Operating Condition: Tnom:23°C / Unom: 3.7 V DC
Test Site / Operator: ETS / Mr. F.Schulz
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 900.601MHz, Emax: 28.54dBµV/m, RBW: 100kHz



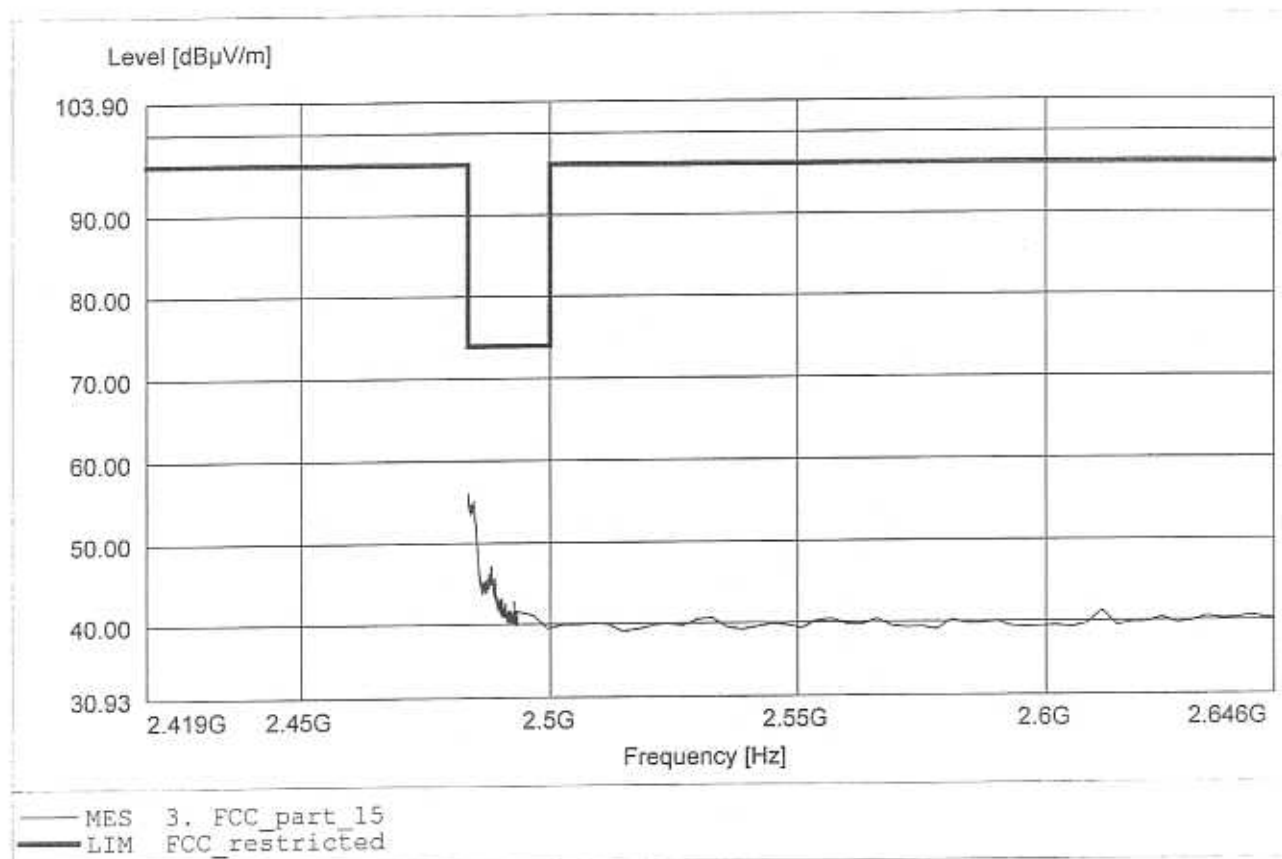
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT :	Bluetooth Wireless Headset	Tx 2480 MHz
Model:	Shark Siemens/ Jabra	
Approval Holder:	GN Netcom	
Operating Condition:	Tnom:23°C / Unom: 3.7 V DC	
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: 56.10dBµV/m, RBW: 1MHz	



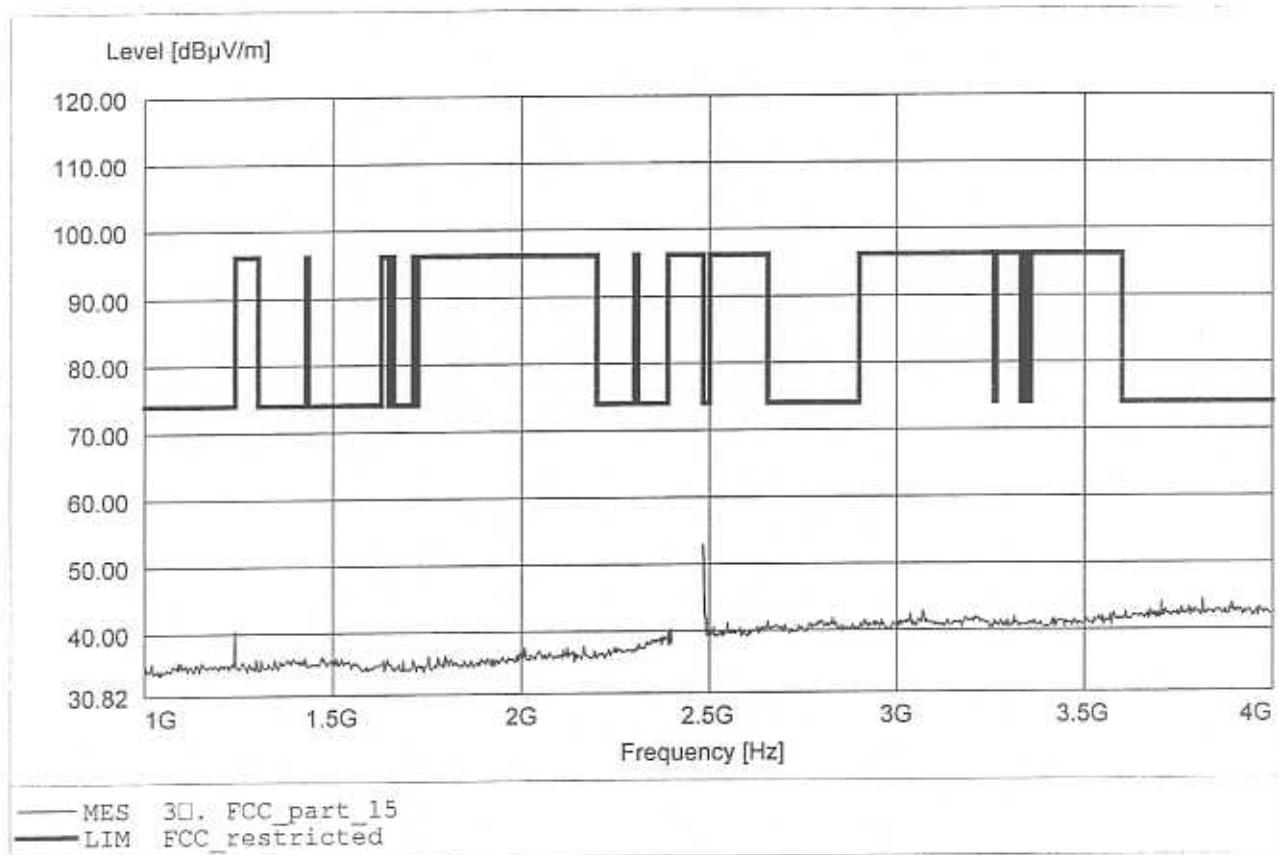
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT :	Bluetooth Wireless Headset	Tx 2480 MHz
Model:	Shark Siemens/ Jabra	
Approval Holder:	GN Netcom	
Operating Condition:	Tnom:23°C / Unom: 3.7 V DC	
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: 56.10dBµV/m, RBW: 1MHz	



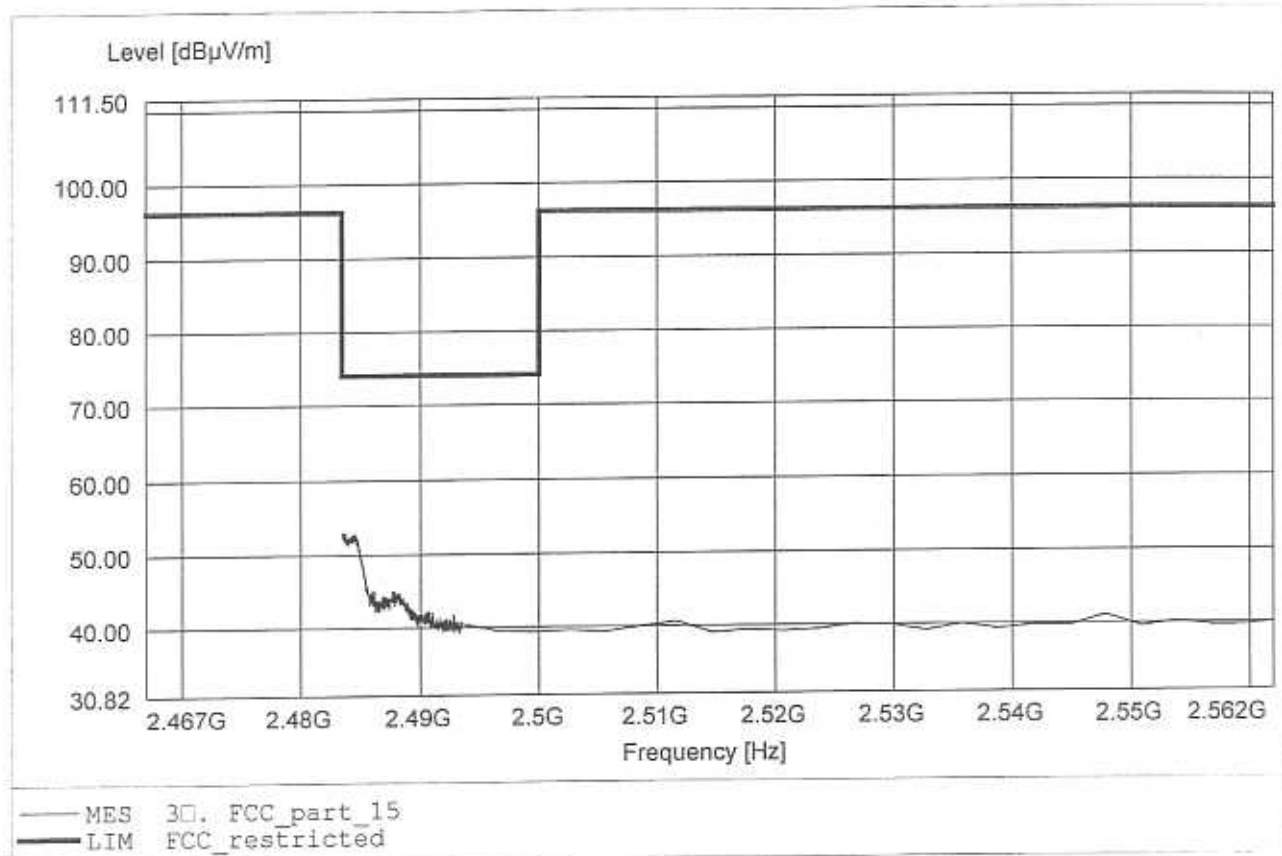
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT :	Bluetooth Wireless Headset	Tx 2480 MHz
Model:	Shark Siemens/ Jabra	
Approval Holder:	GN Netcom	
Operating Condition:	Tnom:23°C / Unom: 3.7 V DC	
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: 52.99dBuV/m, RBW: 1MHz	



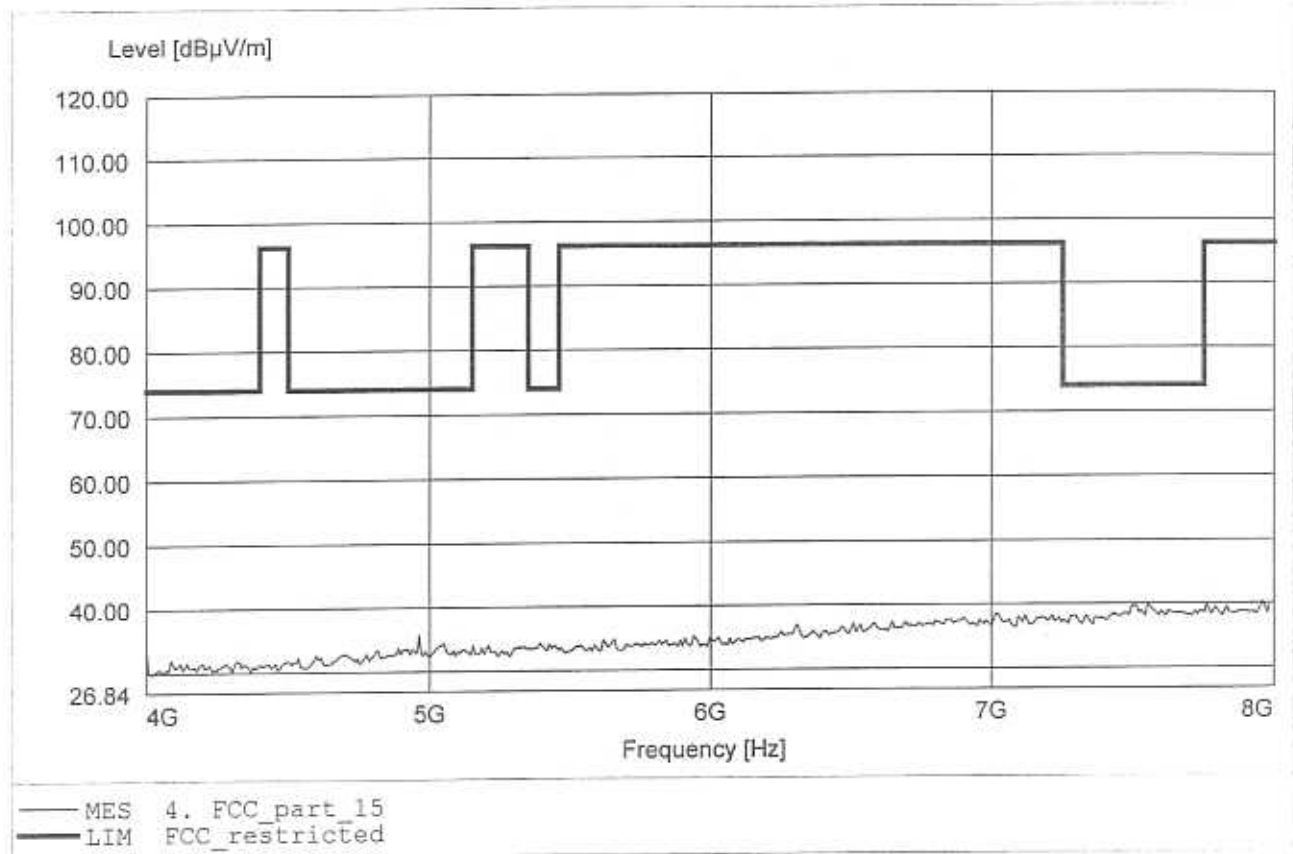
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT :	Bluetooth Wireless Headset	Tx 2480 MHz
Model:	Shark Siemens/ Jabra	
Approval Holder:	GN Netcom	
Operating Condition:	Tnom:23°C / Unom: 3.7 V DC	
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: 2.4835GHz, Emax: 53.19dBµV/m, RBW: 1MHz	



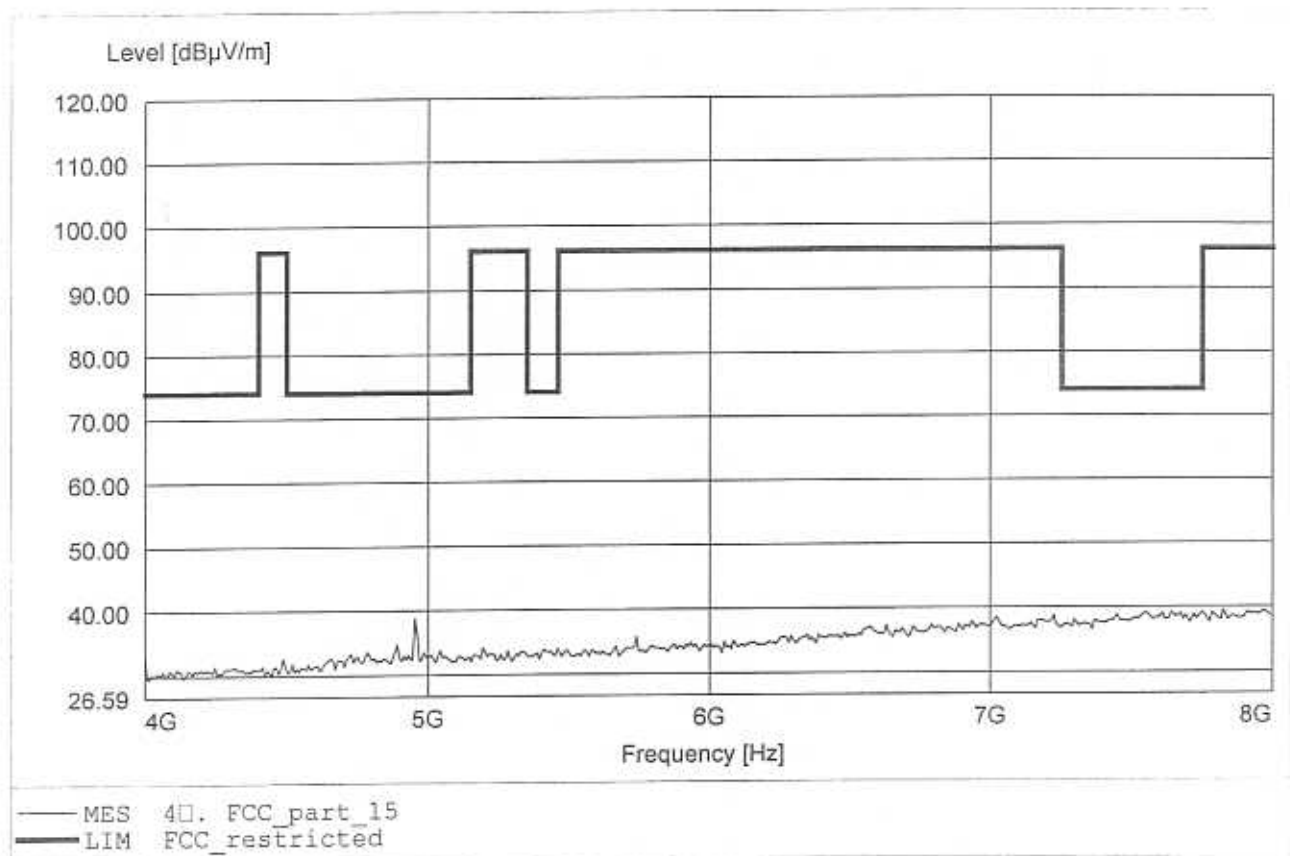
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT :	Bluetooth Wireless Headset	Tx 2480 MHz
Model:	Shark Siemens/ Jabra	
Approval Holder:	GN Netcom	
Operating Condition:	Tnom:23°C / Unom: 3.7 V DC	
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: 7.960GHz, Emax: 40.31dBμV/m, RBW: 1MHz	



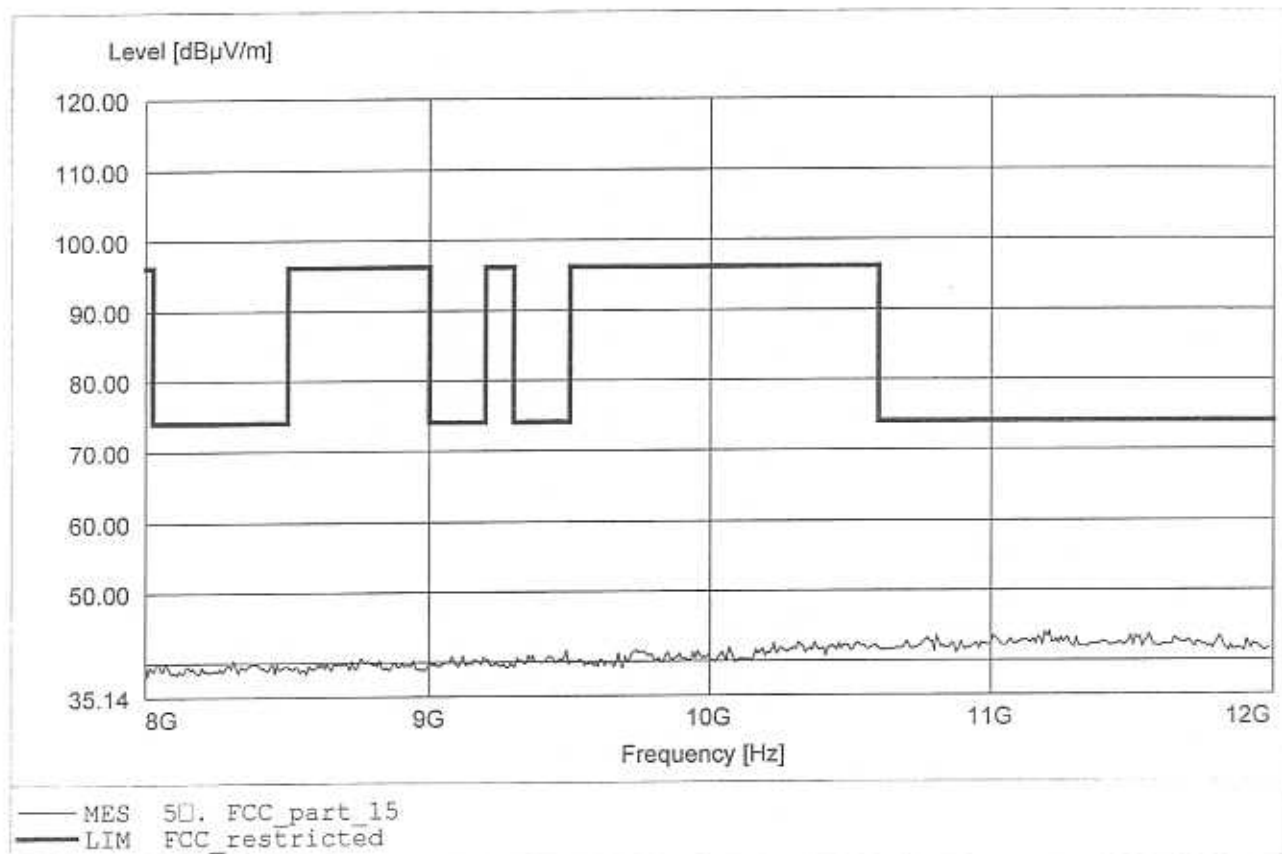
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT :	Bluetooth Wireless Headset	Tx 2480 MHz
Model:	Shark Siemens/ Jabra	
Approval Holder:	GN Netcom	
Operating Condition:	Tnom:23°C / Unom: 3.7 V DC	
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: 7.824GHz, Emax: 39.59dBµV/m, RBW: 1MHz	



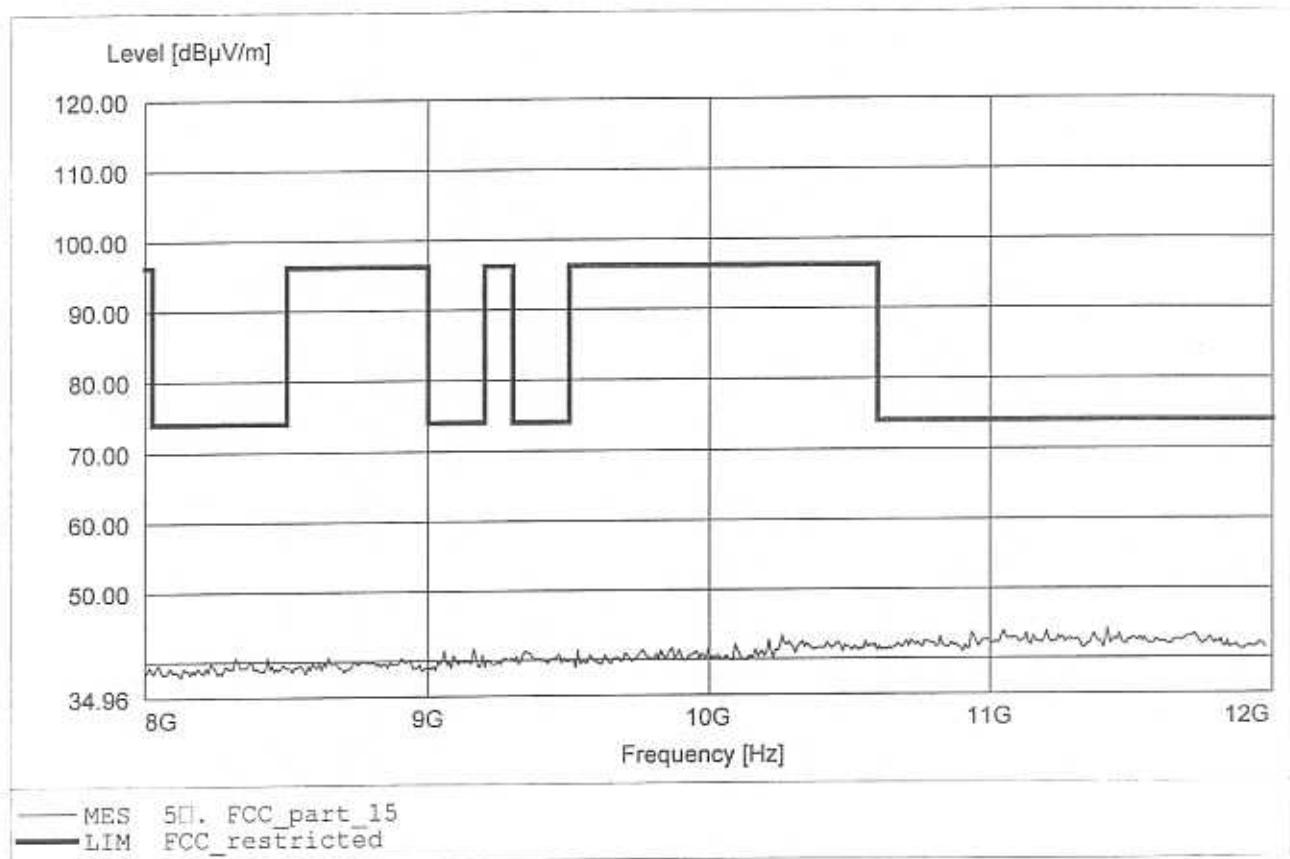
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Wireless Headset Tx 2480 MHz
Model: Shark Siemens/ Jabra
Approval Holder: GN Netcom
Operating Condition: Tnom:23°C / Unom: 3.7 V DC
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: 11.206GHz, Emax: 44.16dBµV/m, RBW: 1MHz



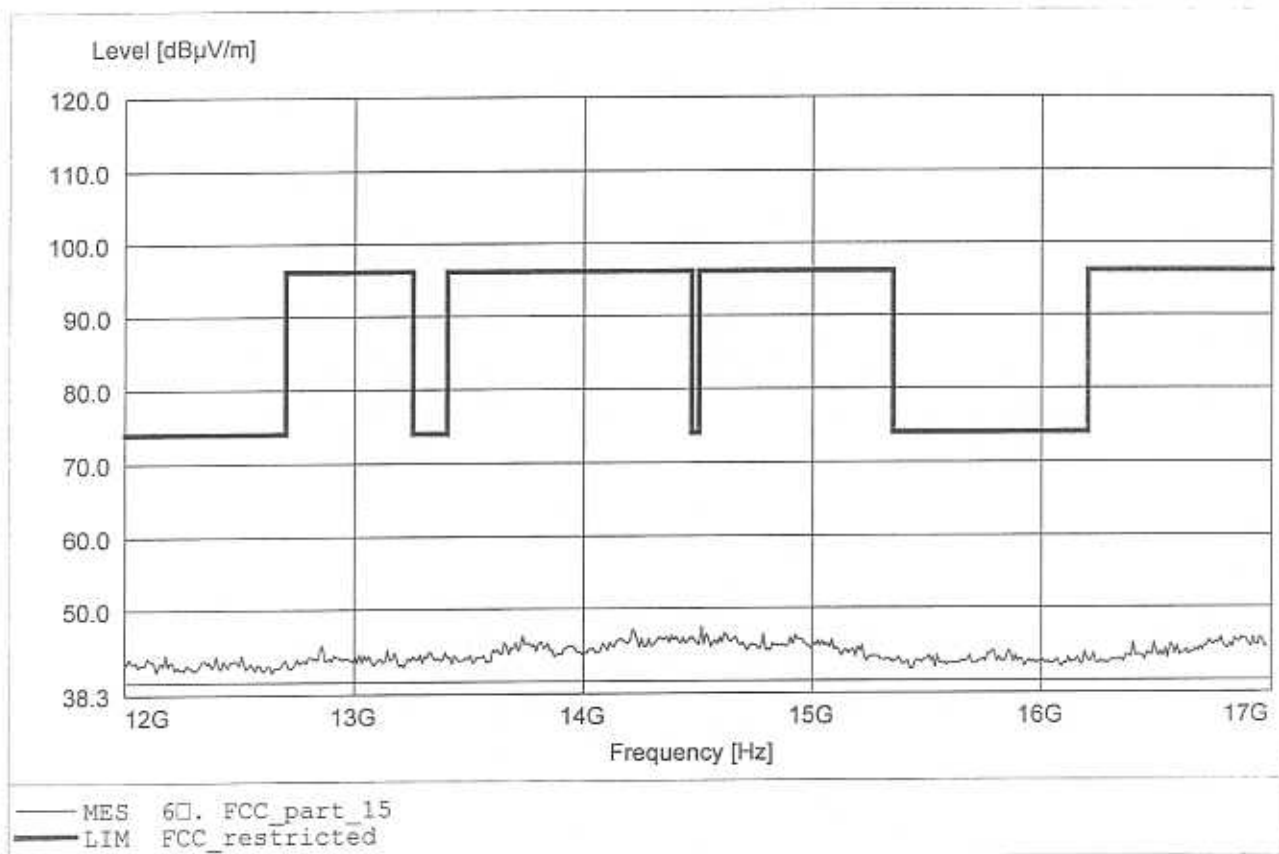
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Wireless Headset Tx 2480 MHz
Model: Shark Siemens/ Jabra
Approval Holder: GN Netcom
Operating Condition: Tnom:23°C / Unom: 3.7 V DC
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: 11.415GHz, Emax: 44.20dBpV/m, RBW: 1MHz



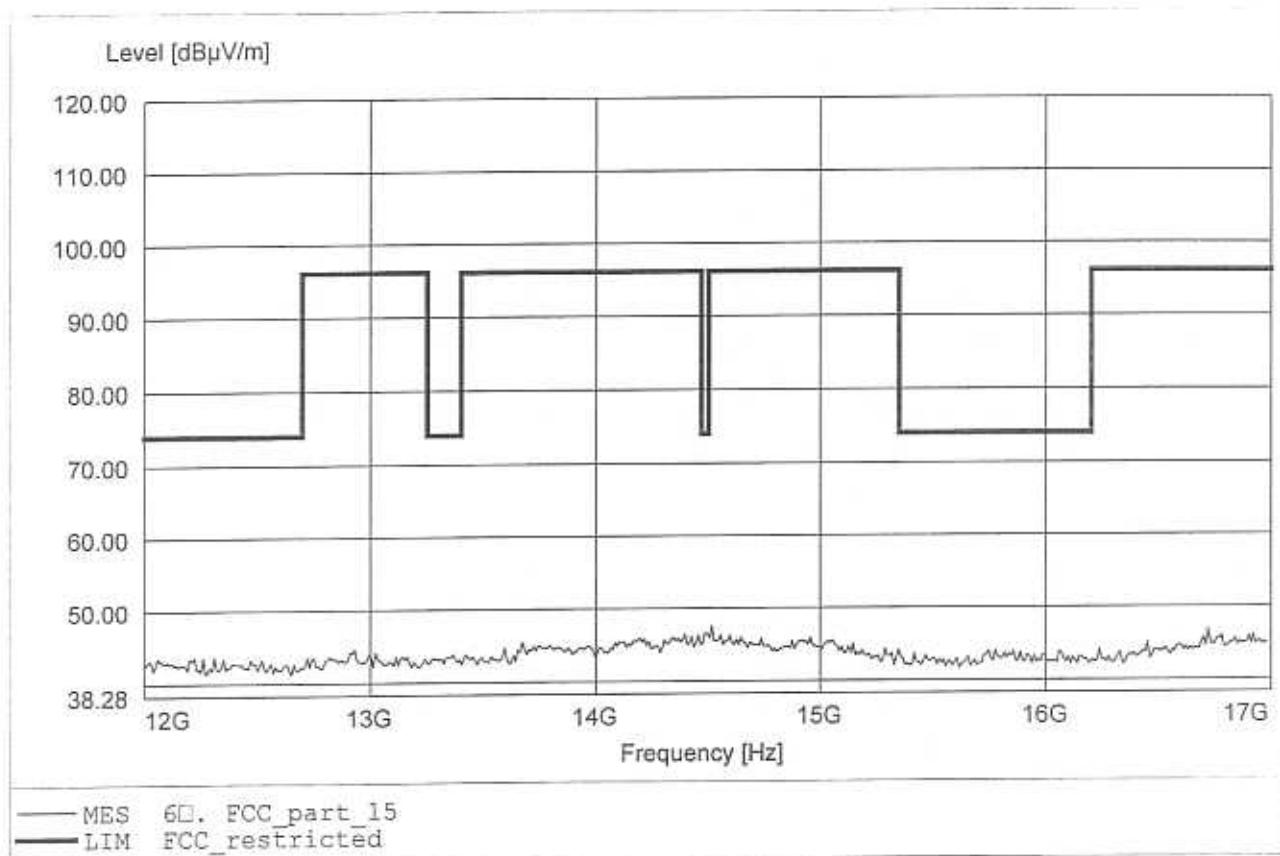
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT :	Bluetooth Wireless Headset	Tx 2480 MHz
Model:	Shark Siemens/ Jabra	
Approval Holder:	GN Netcom	
Operating Condition:	Tnom:23°C / Unom: 3.7 V DC	
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: 14.515GHz, Emax: 47.52dBµV/m, RBW: 1MHz	



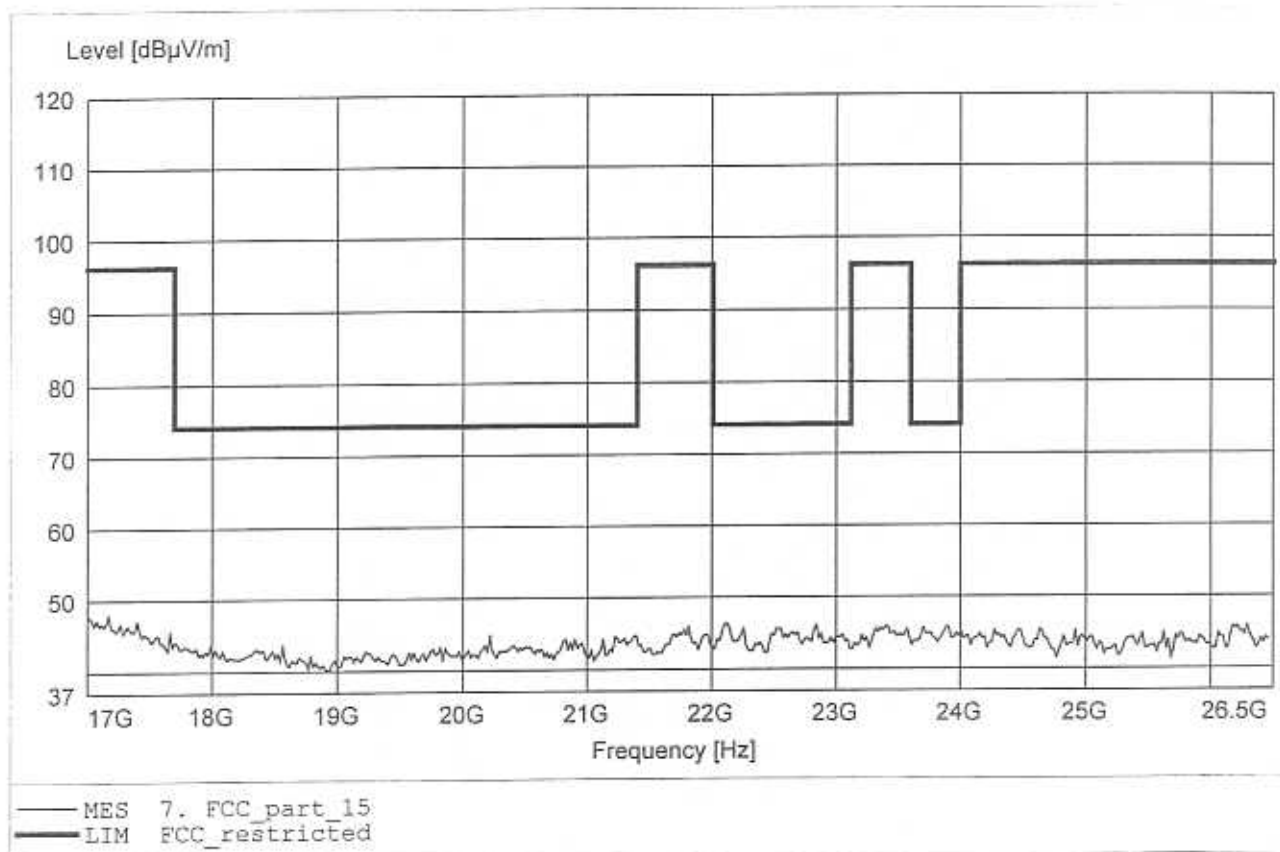
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Wireless Headset Tx 2480 MHz
Model: Shark Siemens/ Jabra
Approval Holder: GN Netcom
Operating Condition: Tnom:23°C / Unom: 3.7 V DC
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: 14.515GHz, Emax: 47.55dBµV/m, RBW: 1MHz



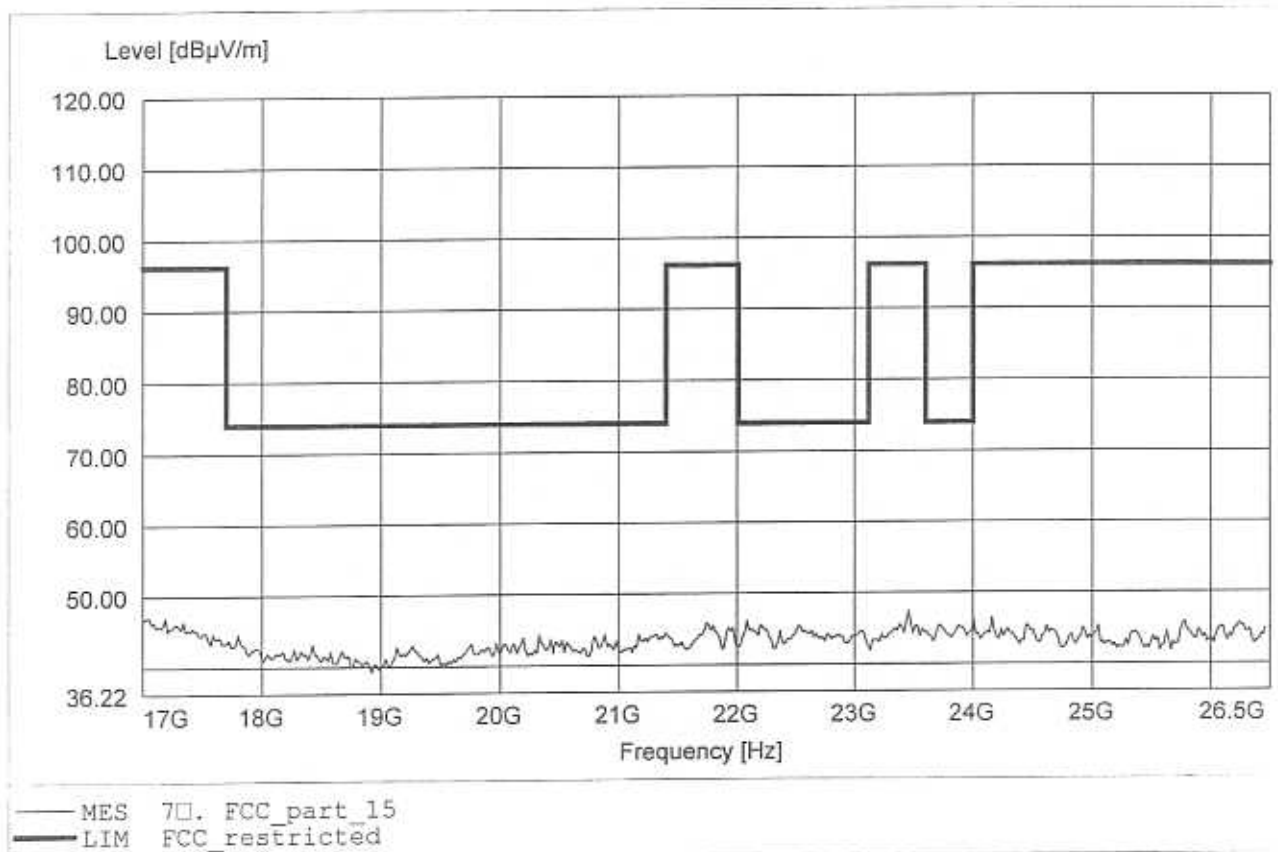
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Wireless Headset Tx 2480 MHz
Model: Shark Siemens/ Jabra
Approval Holder: GN Netcom
Operating Condition: Tnom:23°C / Unom: 3.7 V DC
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: 17.171GHz, Emax: 48.01dBμV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT : Bluetooth Wireless Headset Tx 2480 MHz
Model: Shark Siemens/ Jabra
Approval Holder: GN Netcom
Operating Condition: Tnom:23°C / Unom: 3.7 V DC
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: 23.454GHz, Emax: 47.39dBuV/m, RBW: 1MHz

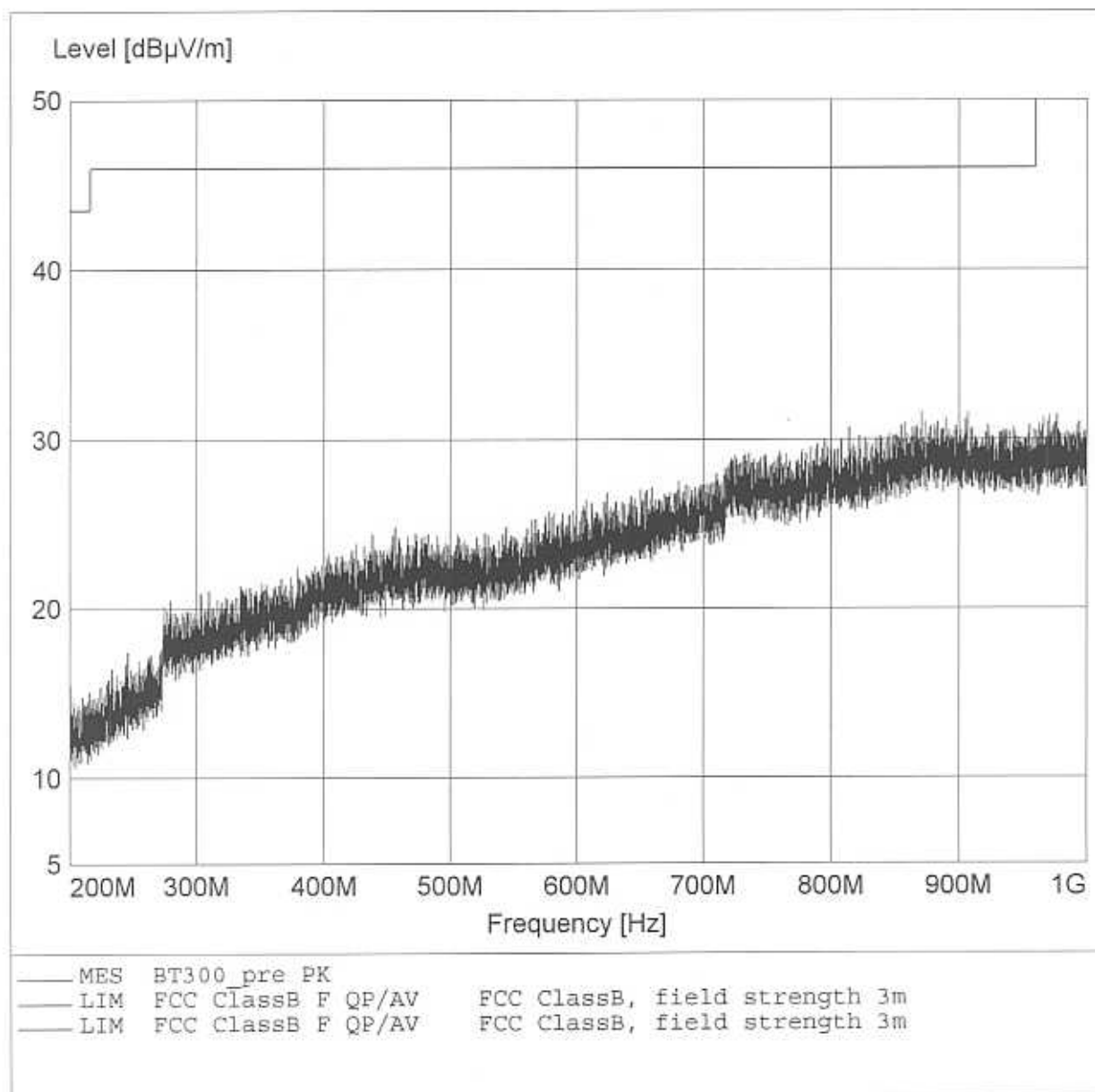


Appendix D

Spurious Emissions radiated – Charging mode

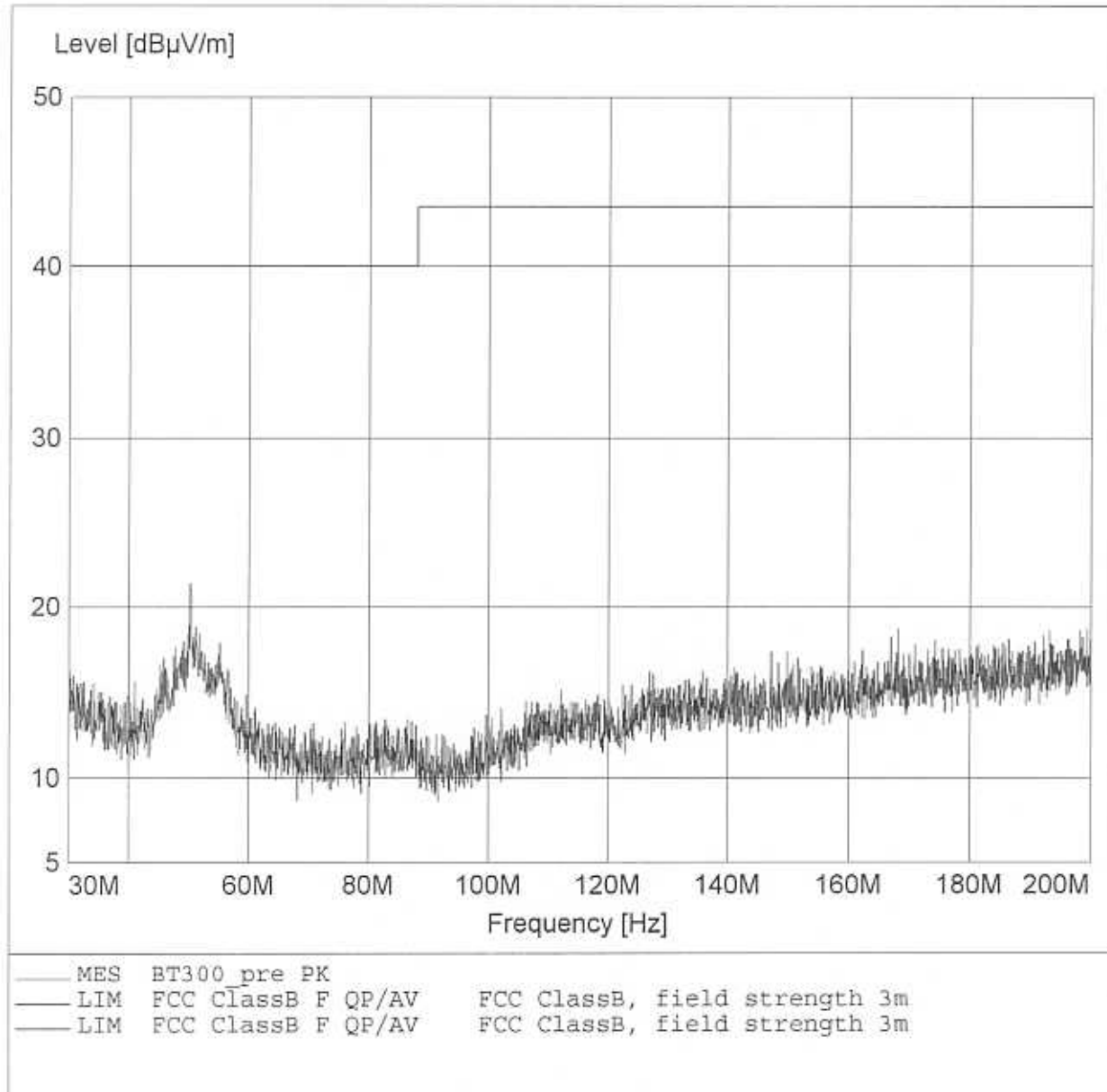
*Spurious emission under normal conditions
according to FCC part 15*

EUT: BLUETOOTH WIRELESS HEADSET
Manufacturer: GN NETCOM
Operating Condition: Unom: 120VAC(AC/DC-adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: Ant: HL 223, vertical/horizontal
Comment: model: BT300 (Shark) mode: charging



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

EUT: BLUETOOTH WIRELESS HEADSET
Manufacturer: GN NETCOM
Operating Condition: Unom: 120VAC(AC/DC-adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: Ant: HK 116, vertical/horizontal
Comment: model: BT300 (Shark) mode: charging



Appendix E

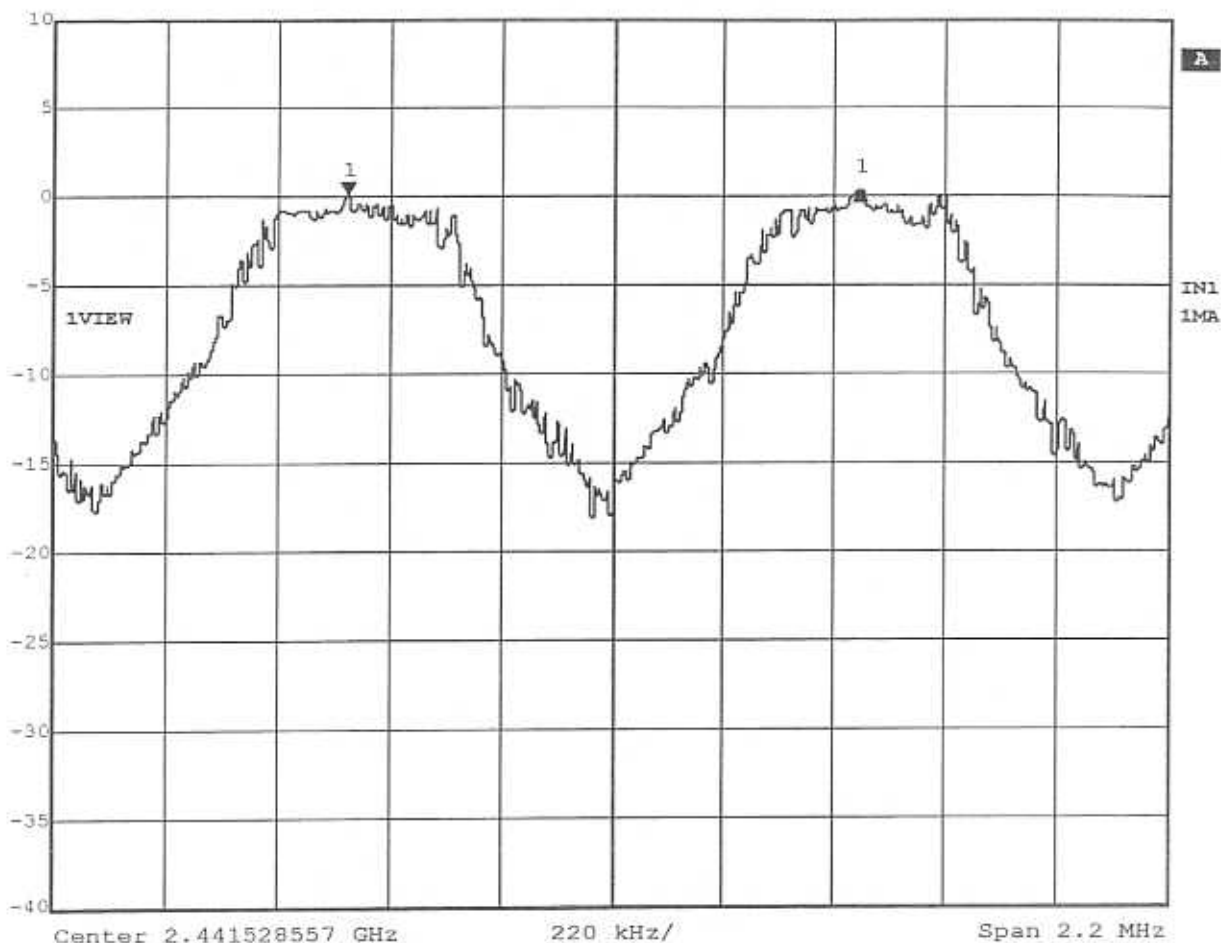
Spurious Emissions conducted - Transmitter operating

Appendix F

Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.15 dB VBW 100 kHz
10 dBm 1.01402806 MHz SWT 5 ms Unit dBm



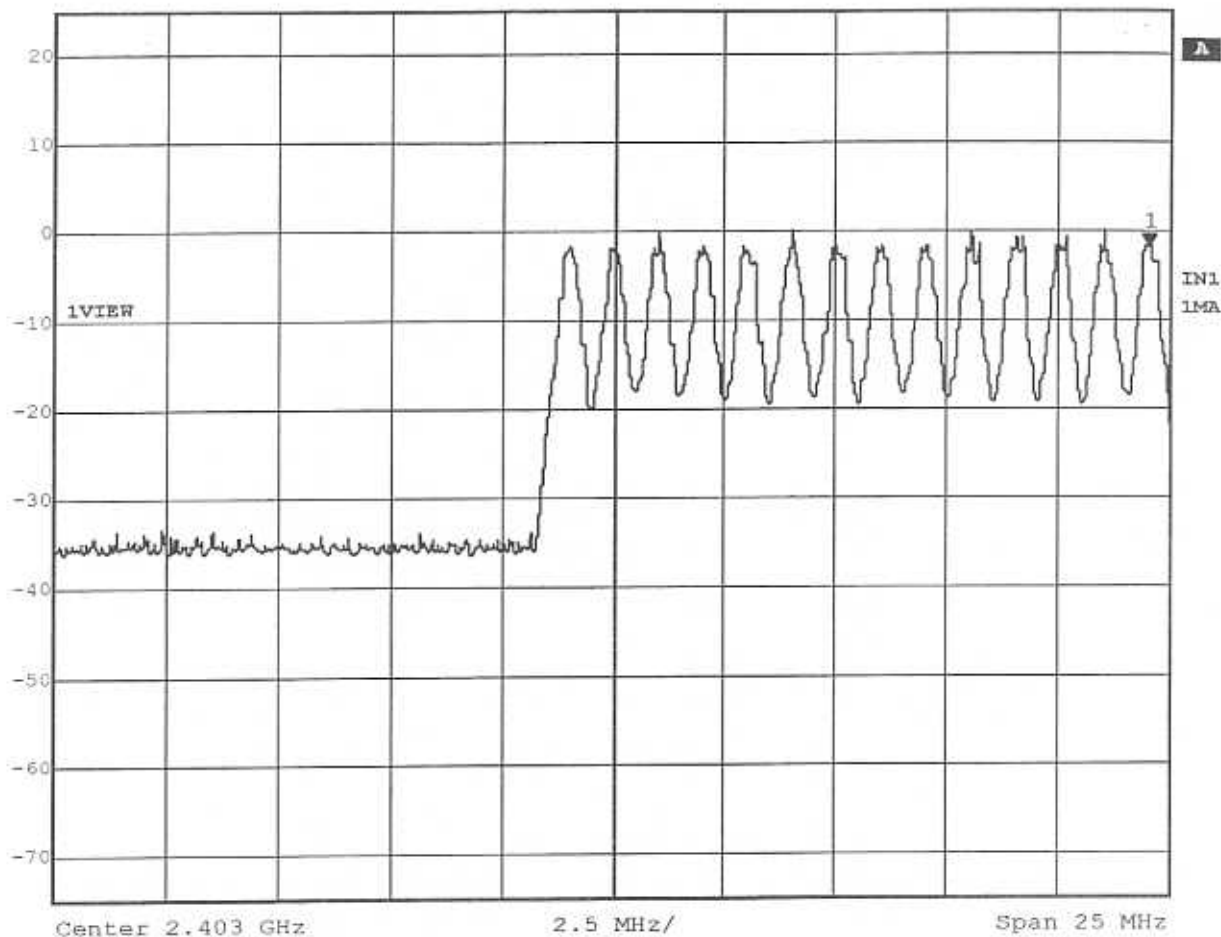
Title: Carrier Frequency Separation
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 18:59:58

Appendix G

Number of Hopping Frequencies



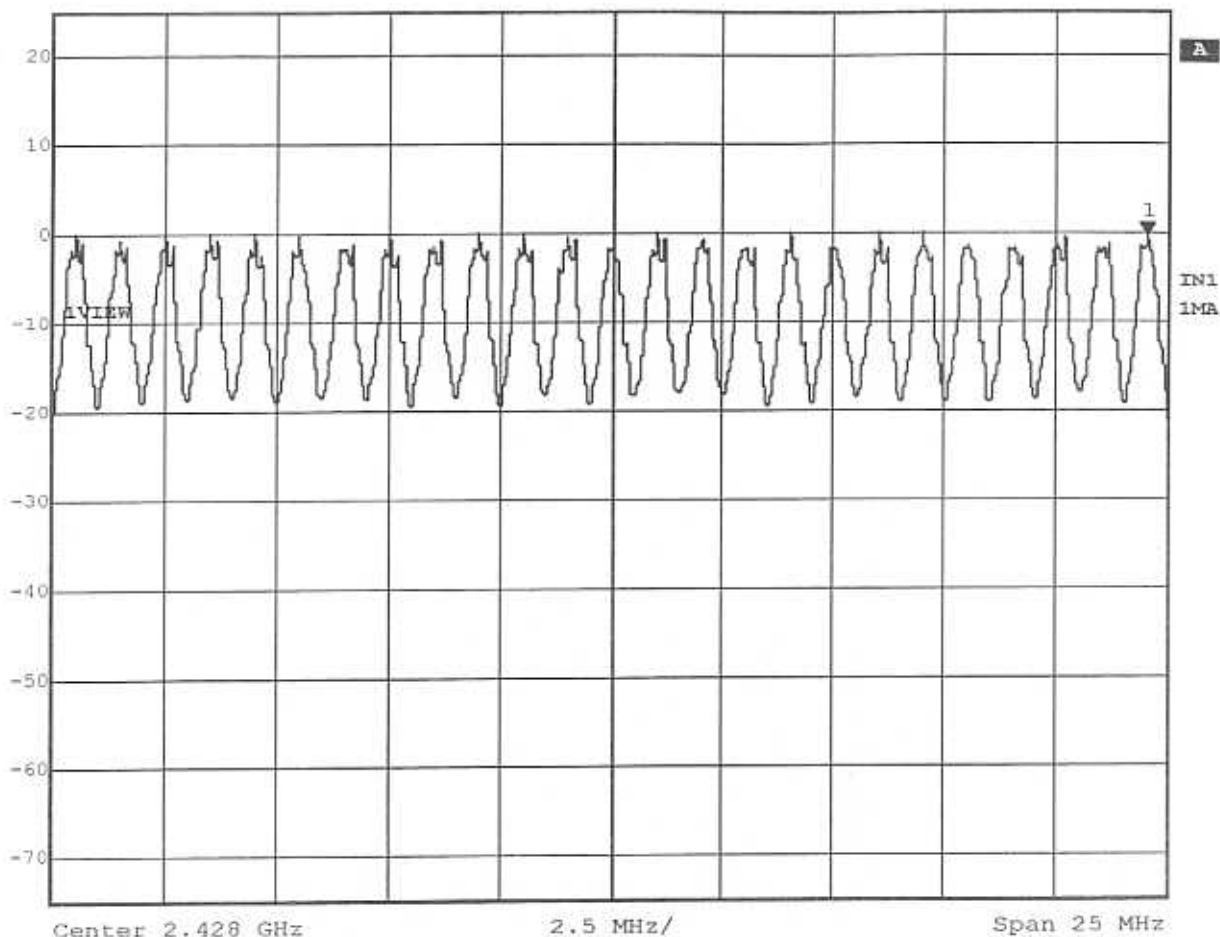
Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -1.86 dBm VBW 50 kHz
25 dBm 2.41504910 GHz SWT 25 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 0-13
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 19:05:09



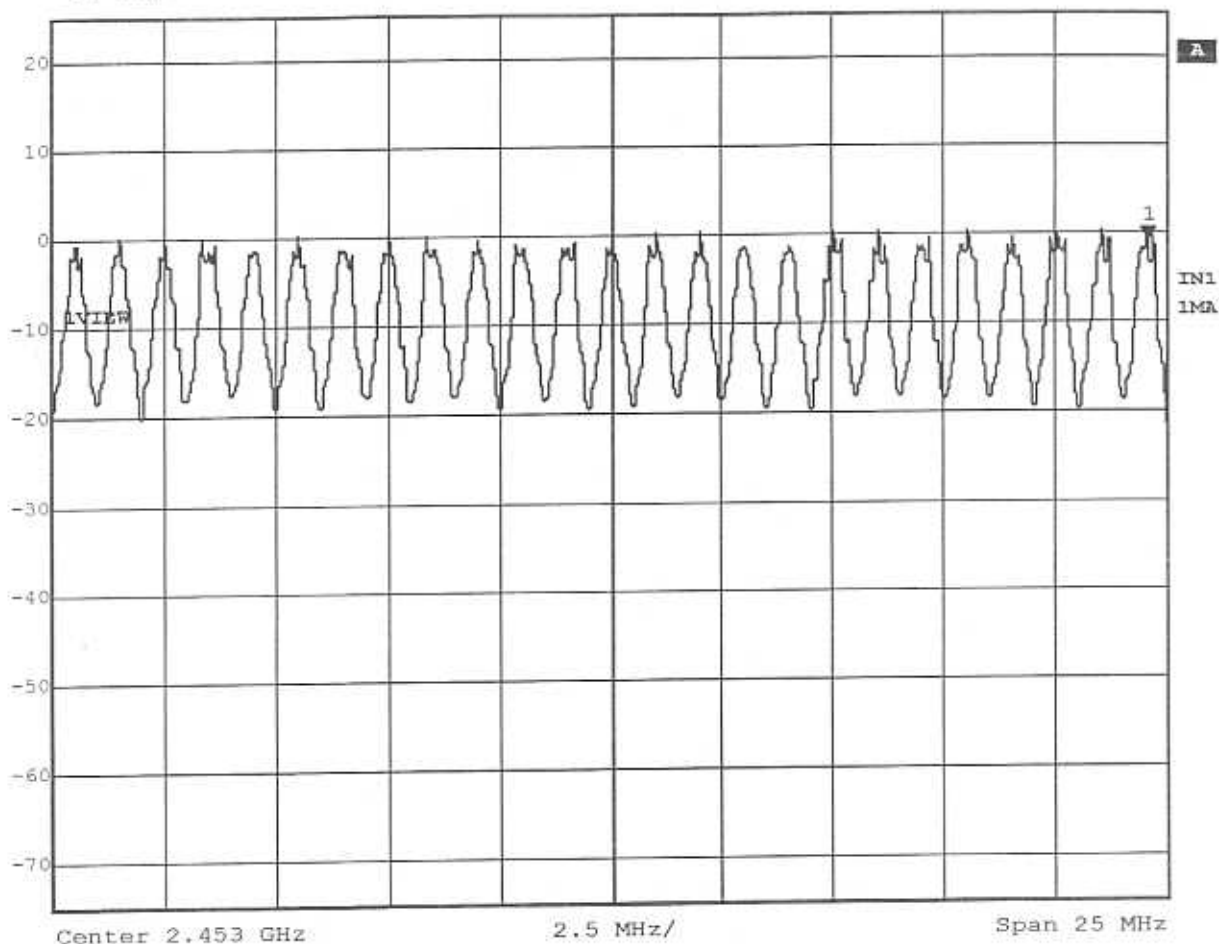
Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -0.38 dBm VBW 50 kHz
25 dBm 2.44004910 GHz SWT 25 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 14-38
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 19:18:23



Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -0.84 dBm VBW 50 kHz
25 dBm 2.46509920 GHz SWT 25 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 39-63
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 19:24:37



Ref Lvl
25 dBm

Marker 1 [T1]

-1.74 dBm

2.46600100 GHz

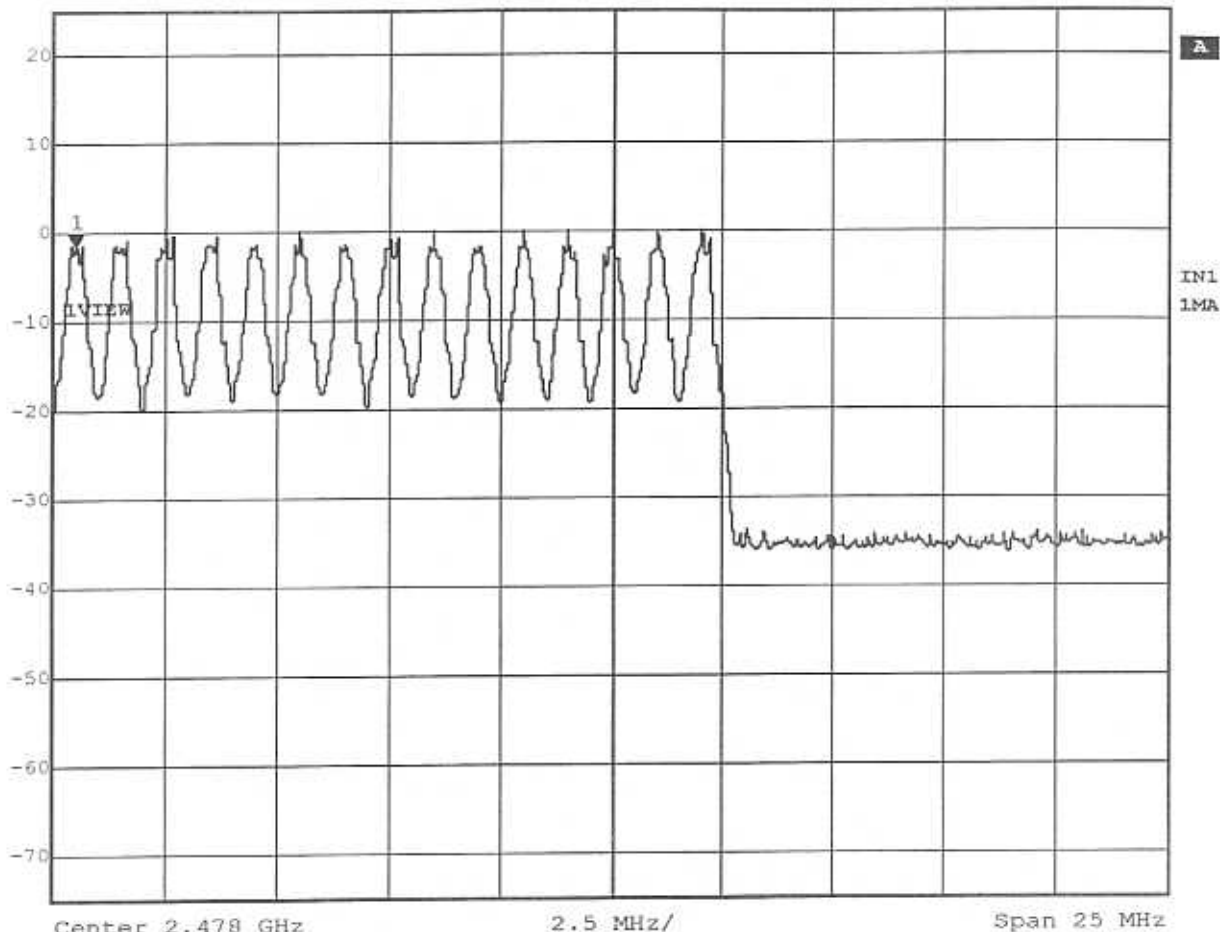
RBW 50 kHz

VBW 50 kHz

SWT 25 ms

RF Att 50 dB

Unit dBm



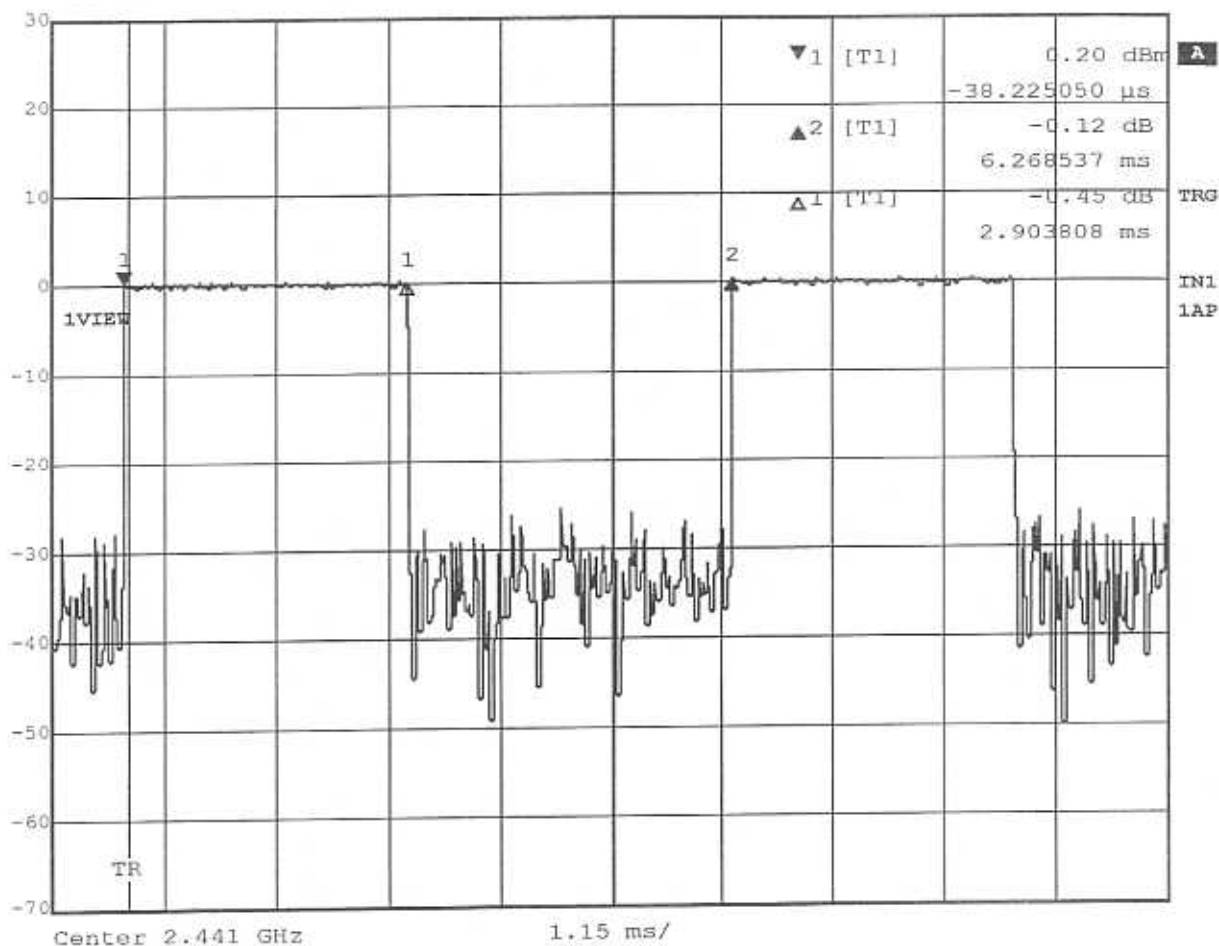
Title: Number of Hopping Frequencies Ch.: 64-78
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 19:31:09

Appendix H

Time of Occupancy (Dwell Time)



Delta 2 [T1] RBW 1 MHz RF Att 60 dB
Ref Lvl -0.12 dB VBW 1 MHz
30 dBm 6.268537 ms SWT 11.5 ms Unit dBm



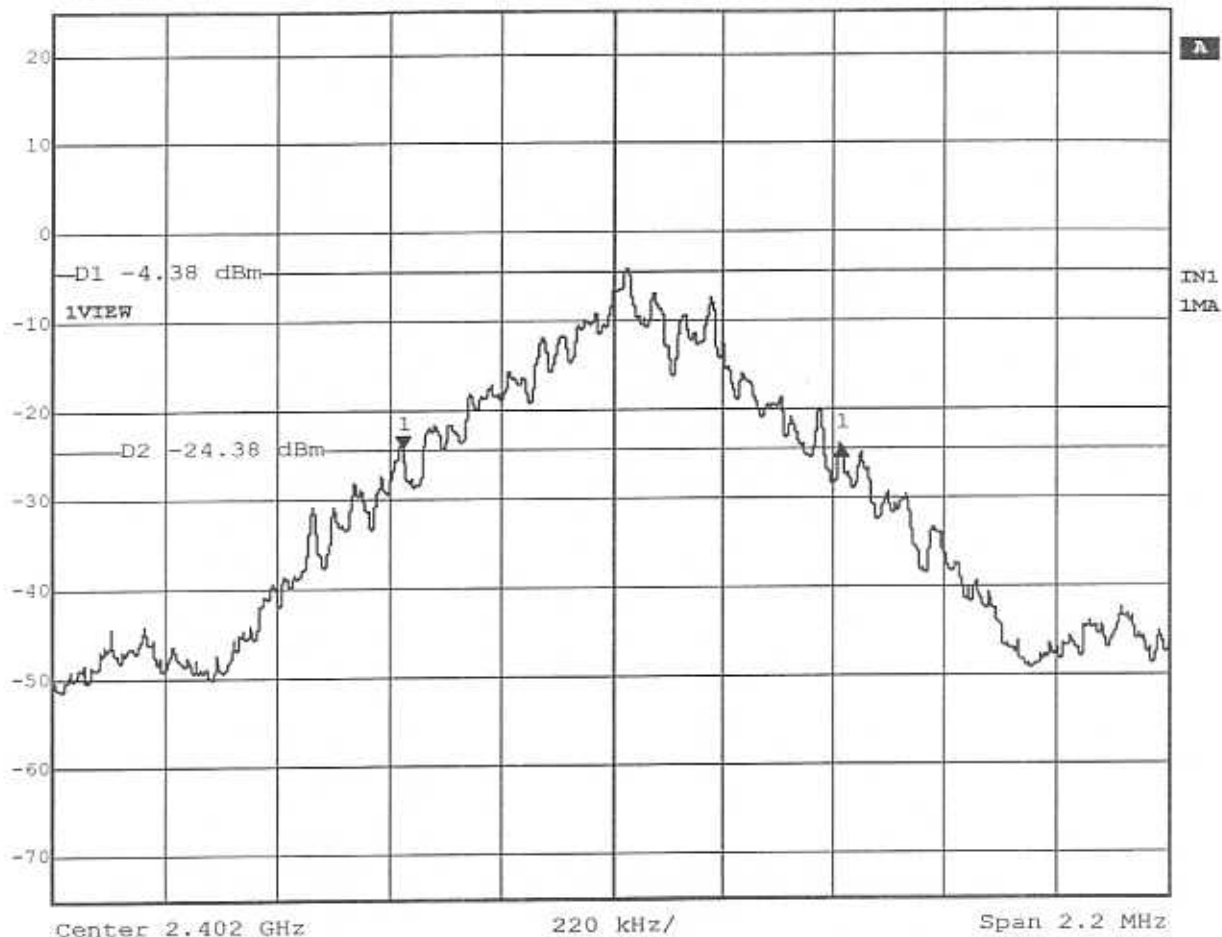
Title: Dwell Time
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 18:49:44

Appendix I

20dB Bandwidth



Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl 0.02 dB VBW 10 kHz
25 dBm 869.53707415 kHz SWT 56 ms Unit dBm



Title: -20 dB Bandwidth Ch.: 0
Comment A: Gn Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 18:41:10



Ref Lvl
25 dBm

Delta 1 [T1]

-0.04 dB

877.35470942 kHz

RBW

10 kHz

VBW

10 kHz

SWT

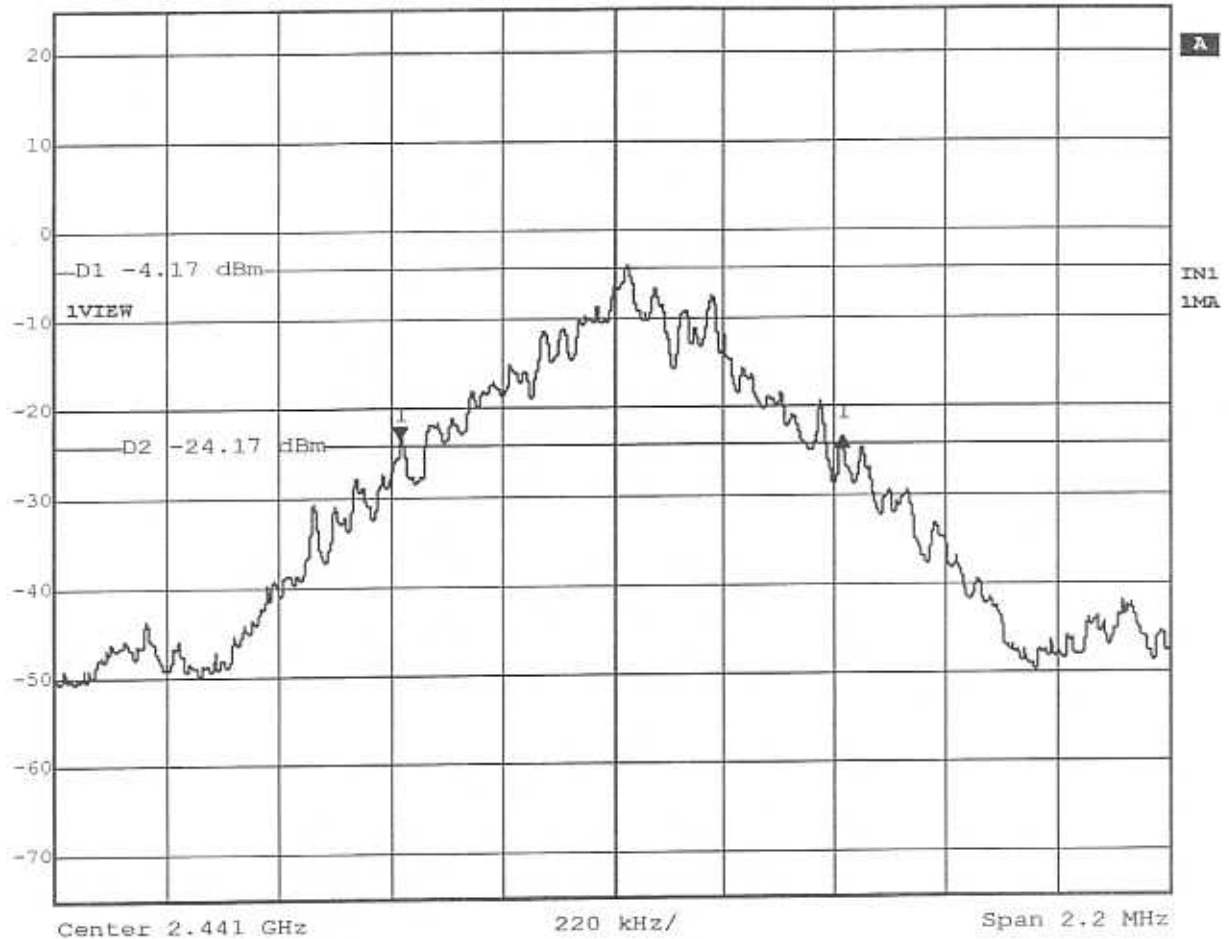
56 ms

RF Att

50 dB

Unit

dBm



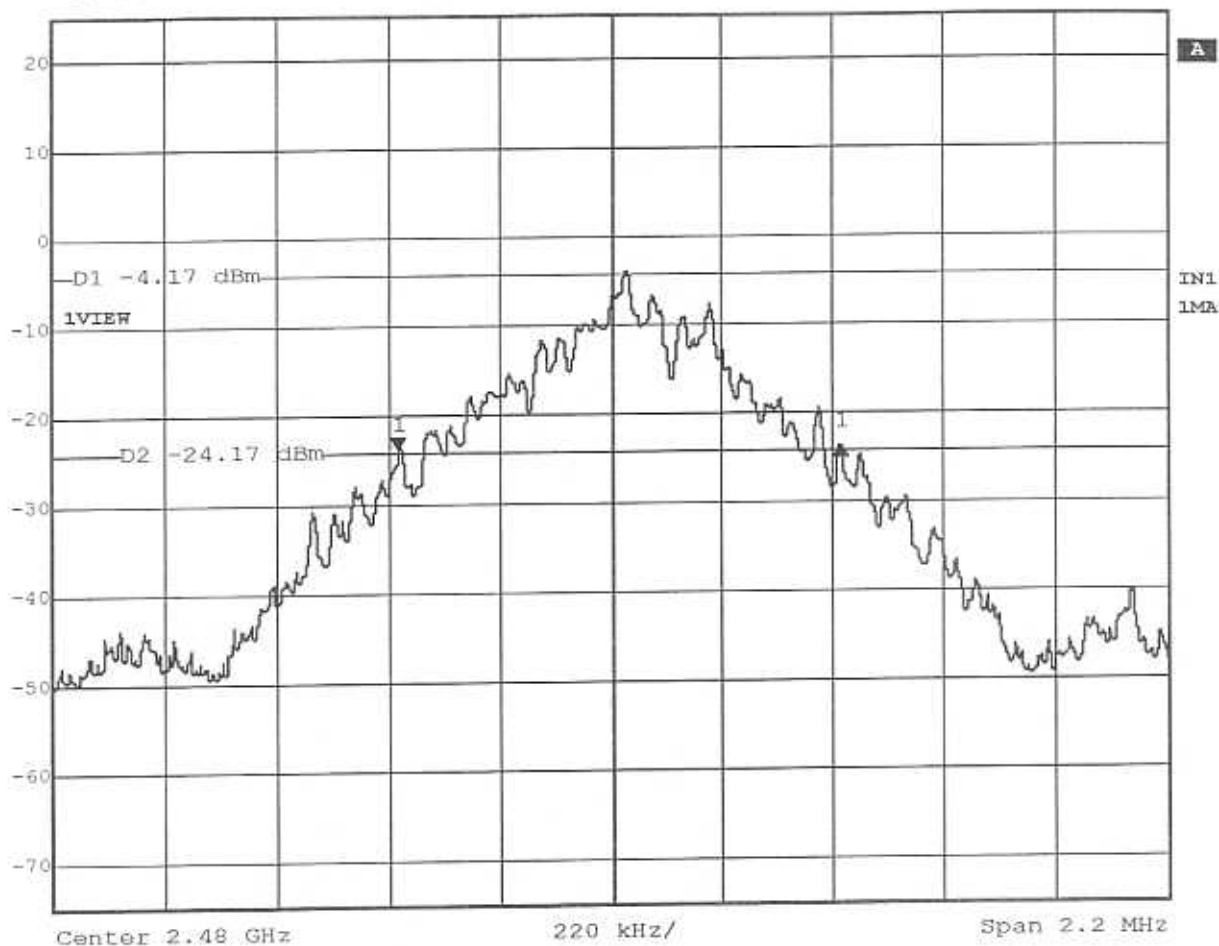
Title: -20 dB Bandwidth Ch.: 39

Comment A: GN Netcom Bluetooth Wireless Headset Shark

Date: 5.JUL.2002 18:43:17



Ref Lvl	Delta 1 [T1]	RBW	10 kHz	RF Att	50 dB
25 dBm	-0.04 dB	VBW	10 kHz	Unit	dBm
	877.35470942 kHz	SWT	56 ms		



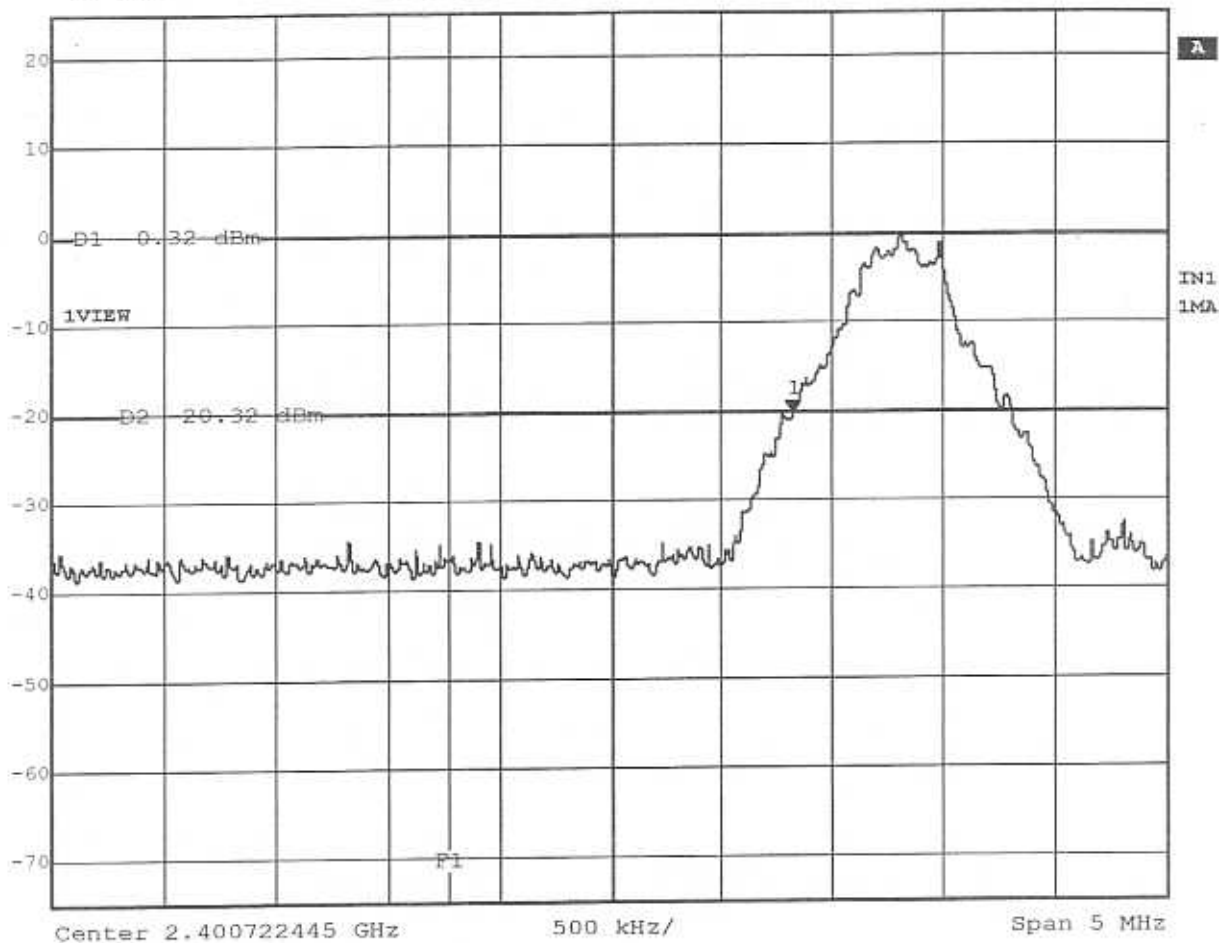
Title: -20 dB Bandwidth Ch.: 78
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 18:45:17

Appendix J

Band-edge Compliance of RF Emissions



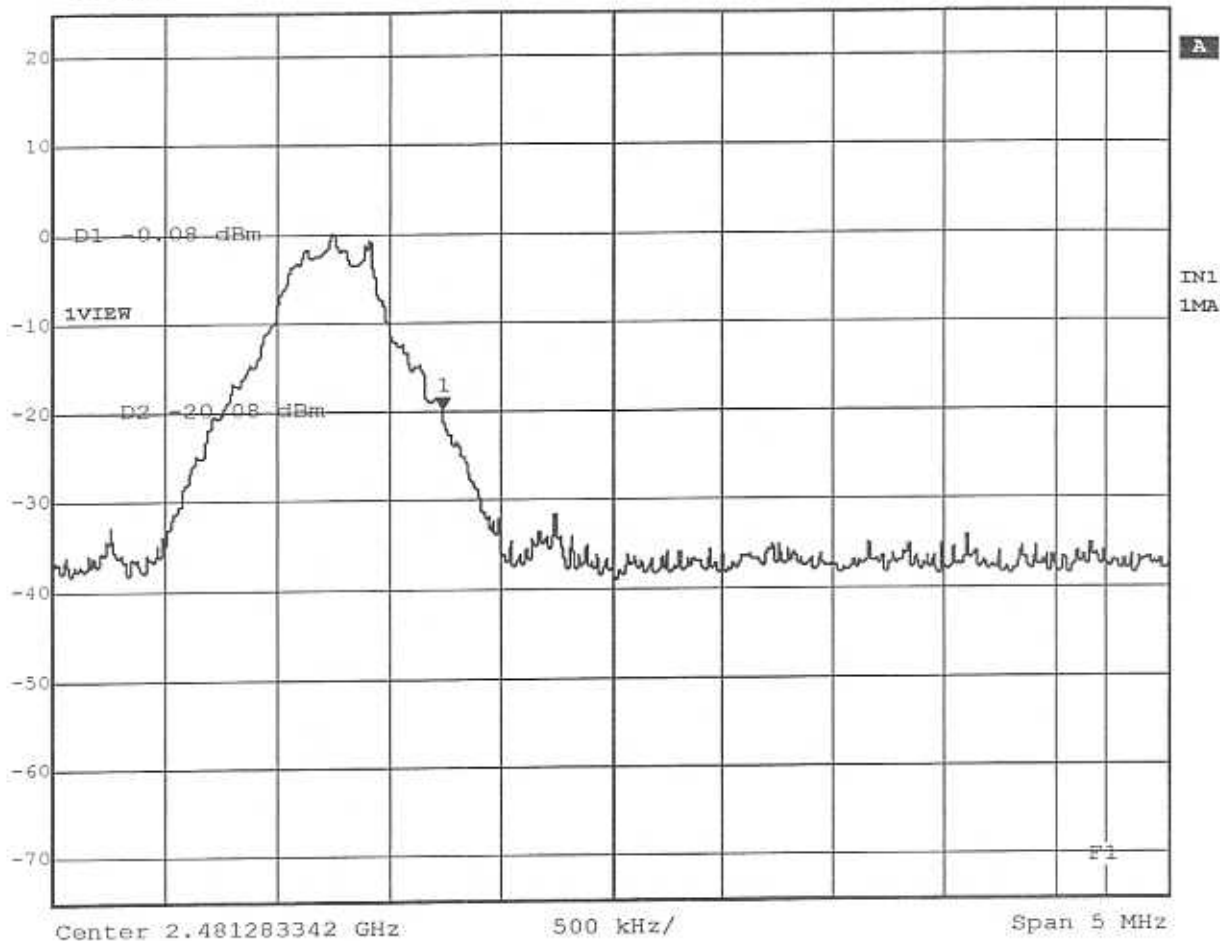
Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -20.27 dBm VBW 50 kHz
25 dBm 2.40154910 GHz SWT 5 ms Unit dBm



Title: Band-edge Compliance of RF Conducted Emissions Ch.: 0
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 18:34:14



Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -19.86 dBm VBW 50 kHz
25 dBm 2.48052683 GHz SWT 5 ms Unit dBm



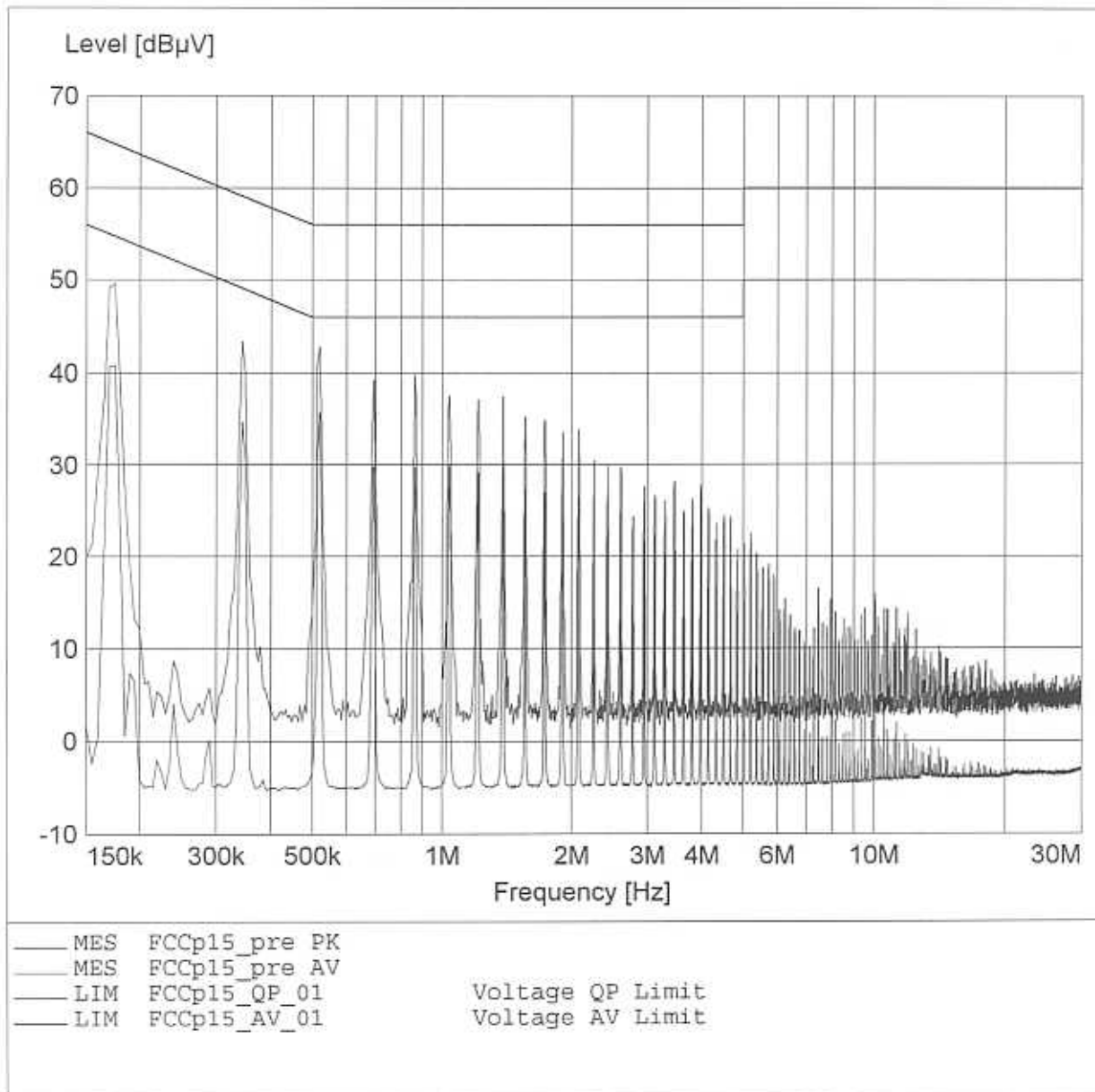
Title: Band-edge Compliance of RF Conducted Emissions Ch.: 78
Comment A: GN Netcom Bluetooth Wireless Headset Shark
Date: 5.JUL.2002 18:32:11

Appendix K

Conducted Measurement at (AC) Power Line

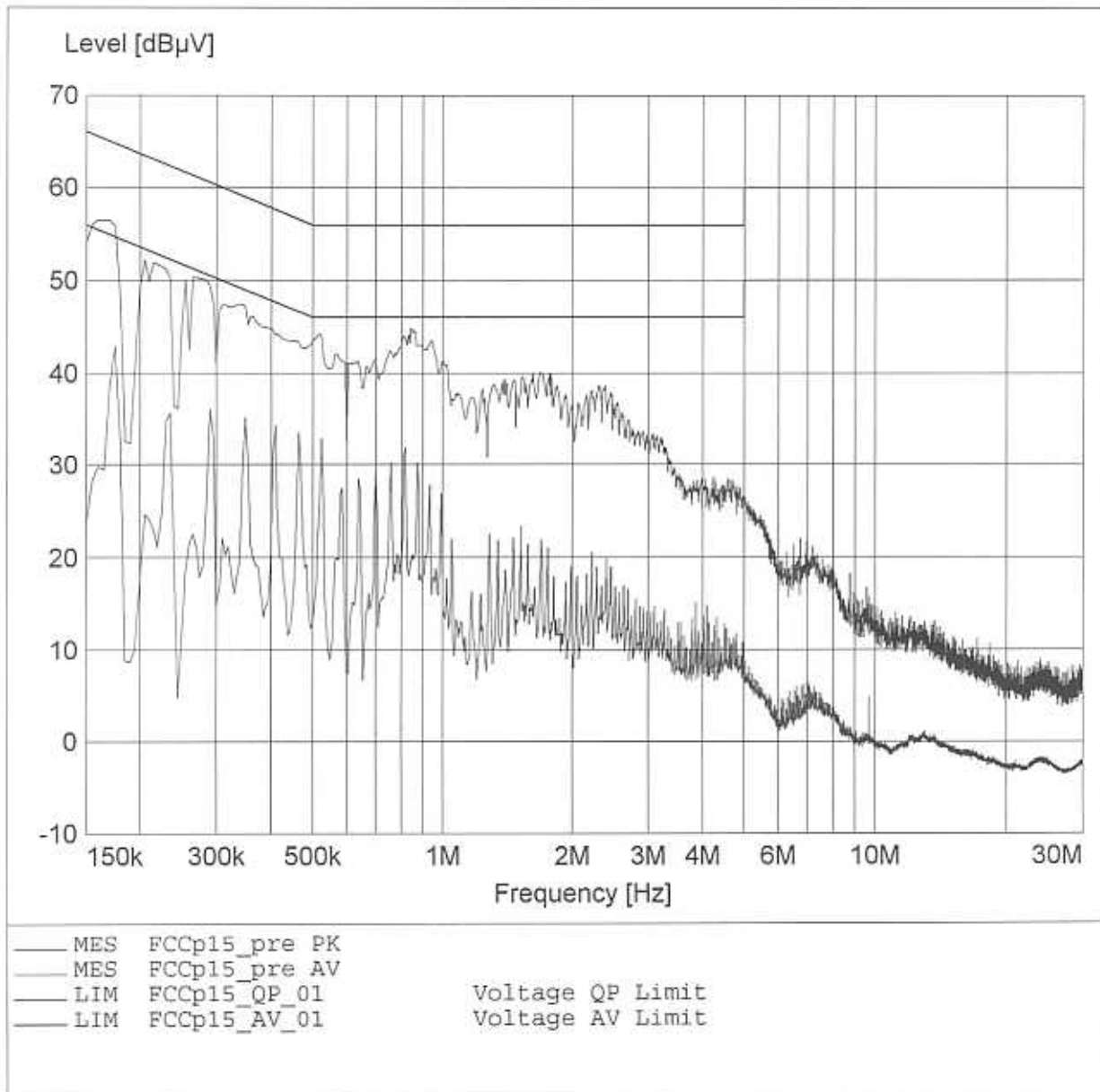
EMI voltage test in the ac-mains according to FCC part 15

EUT: BLUETOOTH
Manufacturer: GN NETCOM
Operating Condition: Unom: 120VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5
Comment: model: BT300 (Shark) mode: charging
(power supply only)



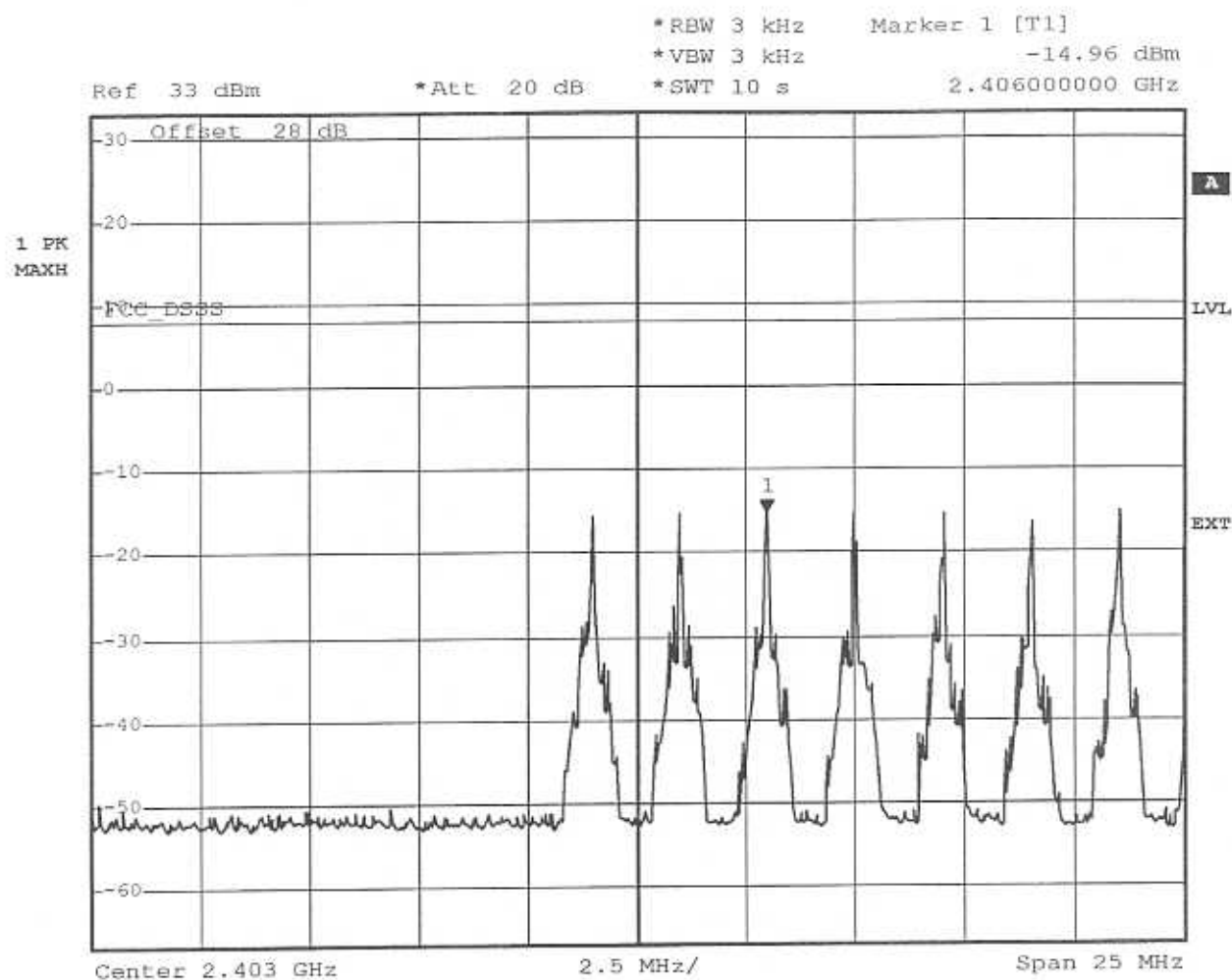
EMI voltage test in the ac-mains according to FCC part 15

EUT: BLUETOOTH WIRELESS HEADSET
Manufacturer: GN NETCOM
Operating Condition: Unom: 120VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5
Comment: model: BT300 (Shark) mode: charging

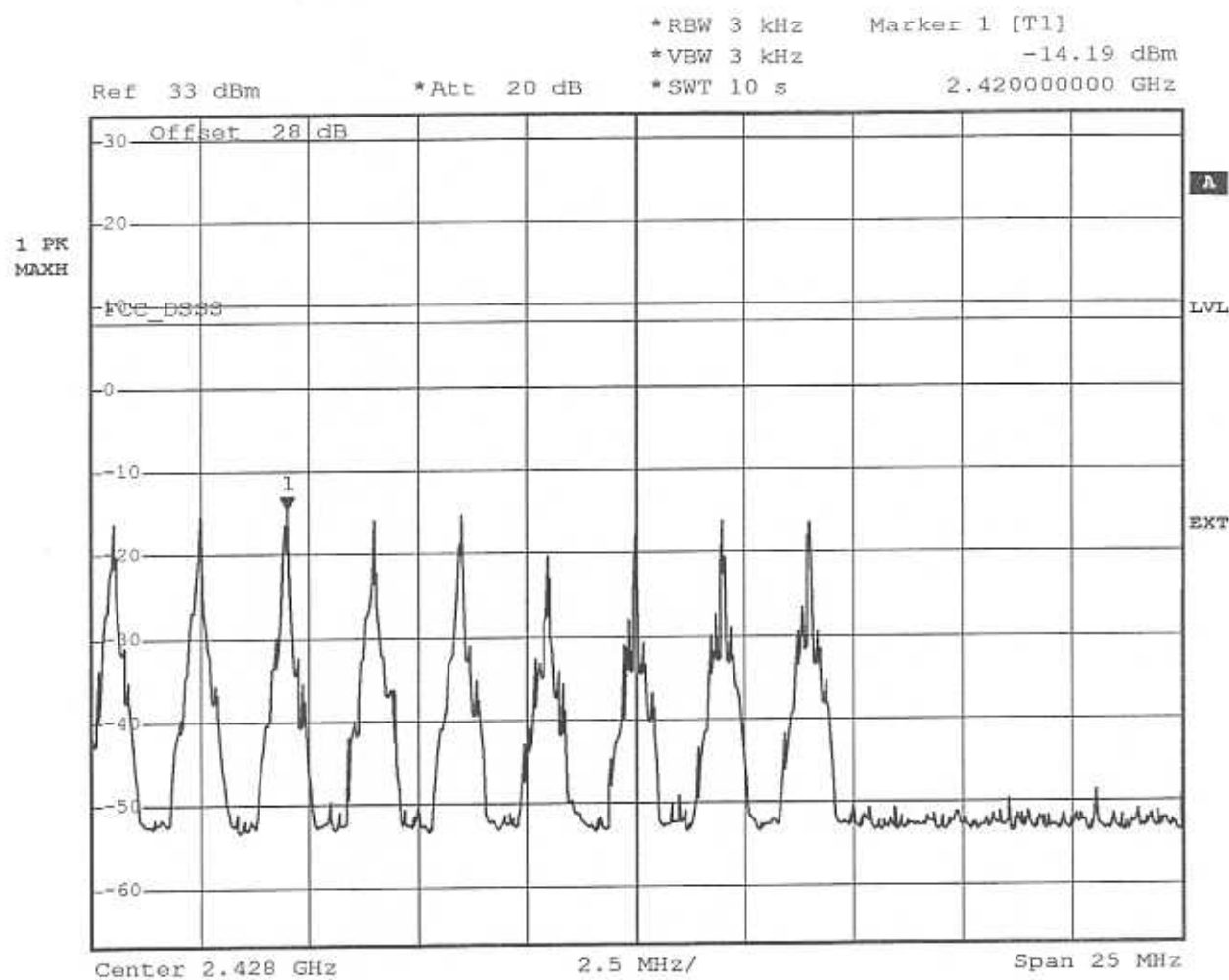


Appendix L

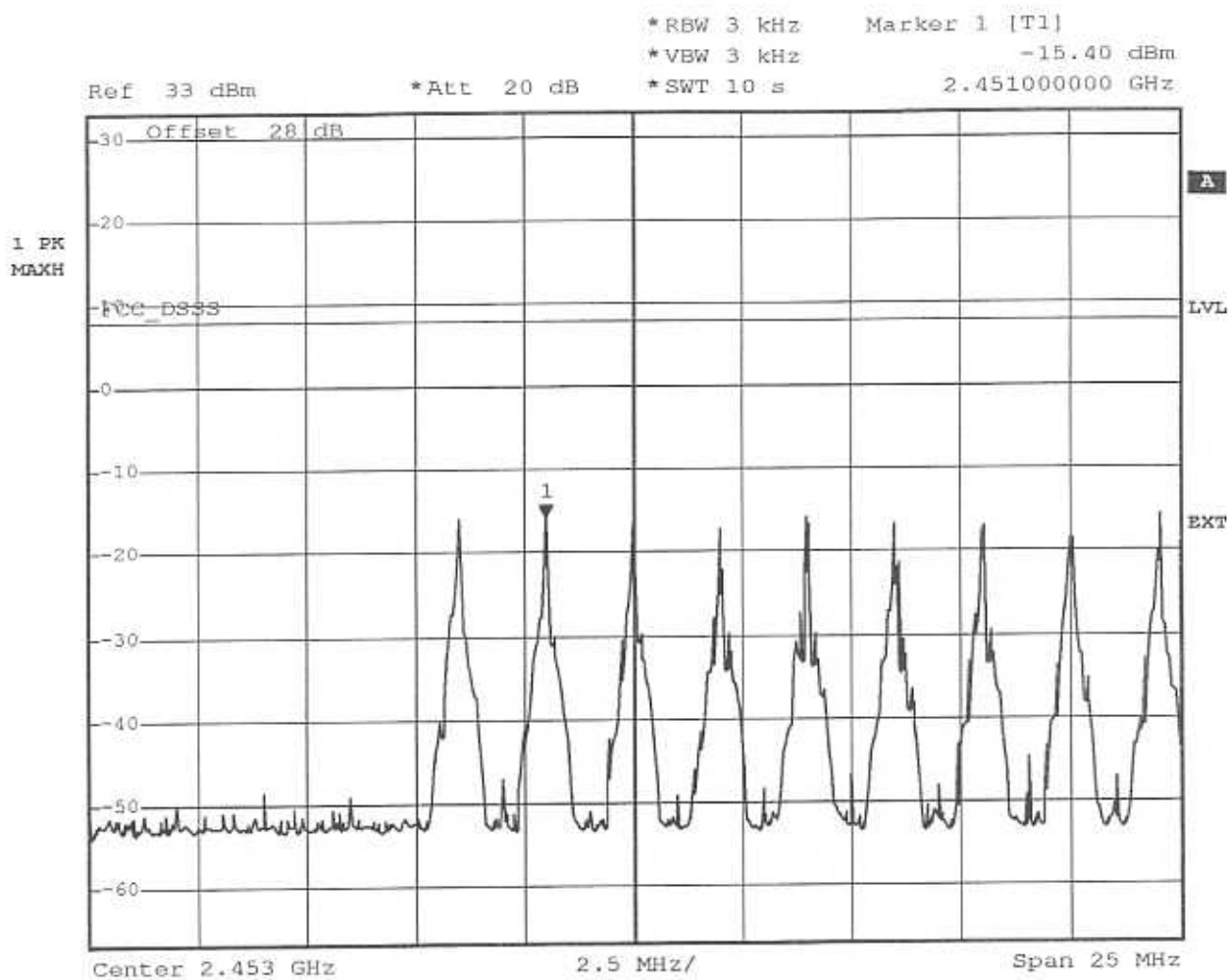
Peak Power Spectral Density (Master Inquiry Mode)



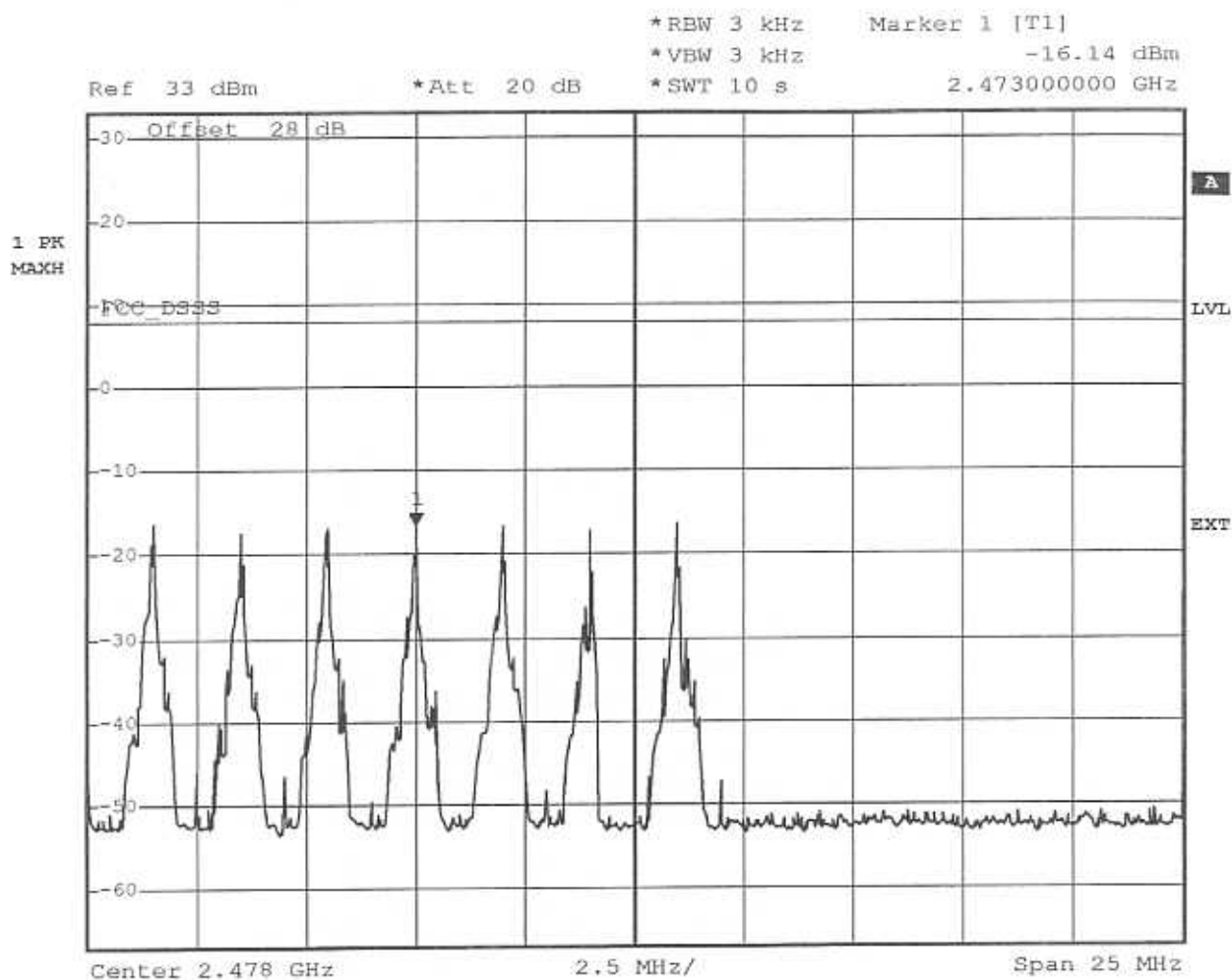
Comment A: Peak Power Spectral Density *Master Inquiry Mode* GN Netcom
SHARK
Date: 12.JUL.2002 14:03:59



Comment A: Peak Power Spectral Density *Master Inquiry Mode* GN Netcom
SHARK
Date: 12.JUL.2002 14:11:30



Comment A: Peak Power Spectral Density *Master Inquiry Mode* GN Netcom
SHARK
Date: 12.JUL.2002 14:20:15



Comment A: Peak Power Spectral Density *Master Inquiry Mode* GN Netcom

SHARK

Date: 12.JUL.2002 14:32:48