

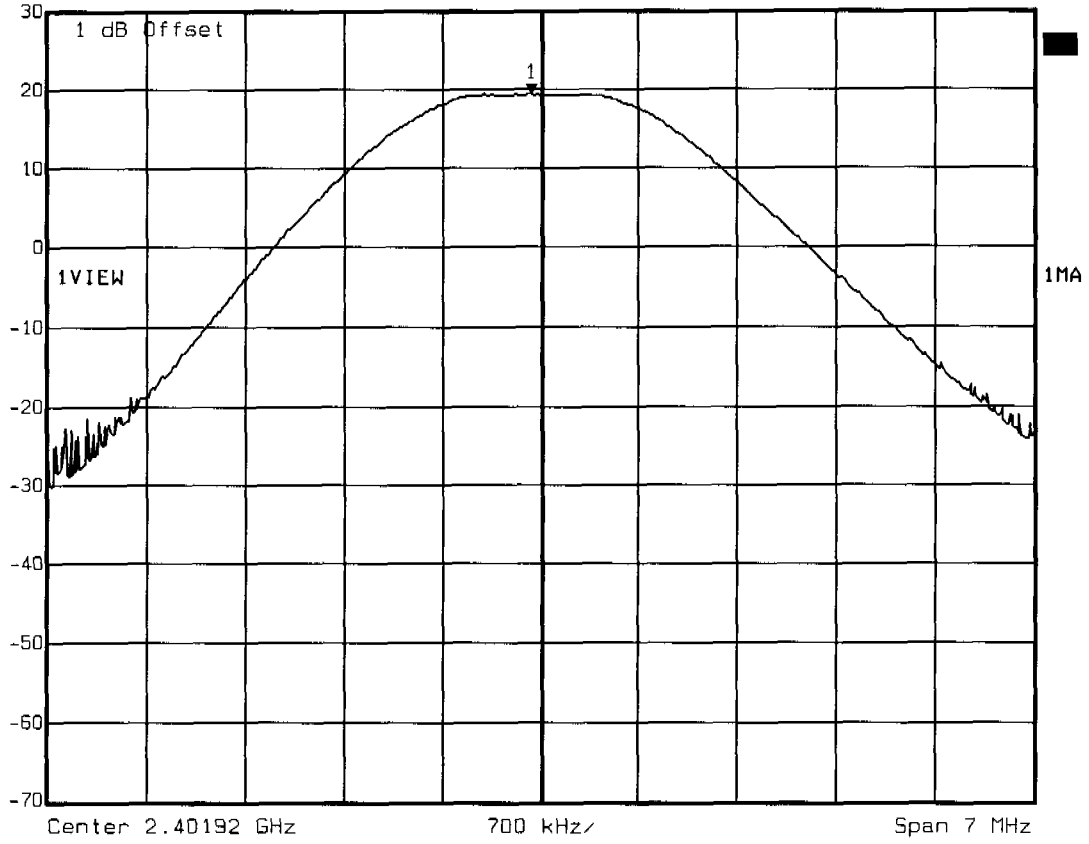


Appendix B

Peak Output Power



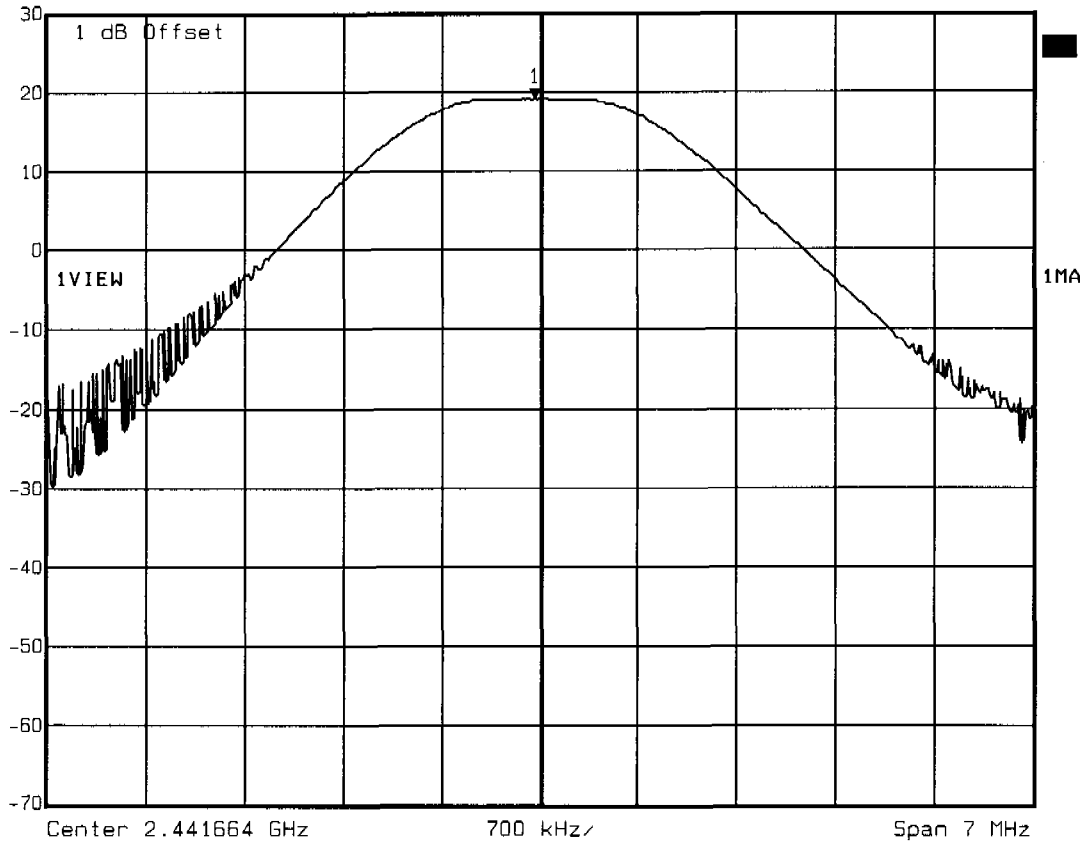
Marker 1 [T1]	RBW	1 MHz	RF Att	50 dB
Ref Lvl	19.36 dBm	VBW	1 MHz	
30 dBm	2.40185687 GHz	SWT	5 ms	Unit dBm



Title: Peak Output Power conducted Ch.: 0
Comment A: USB7100 Handset
Date: 16.FEB.2005 10:44:55



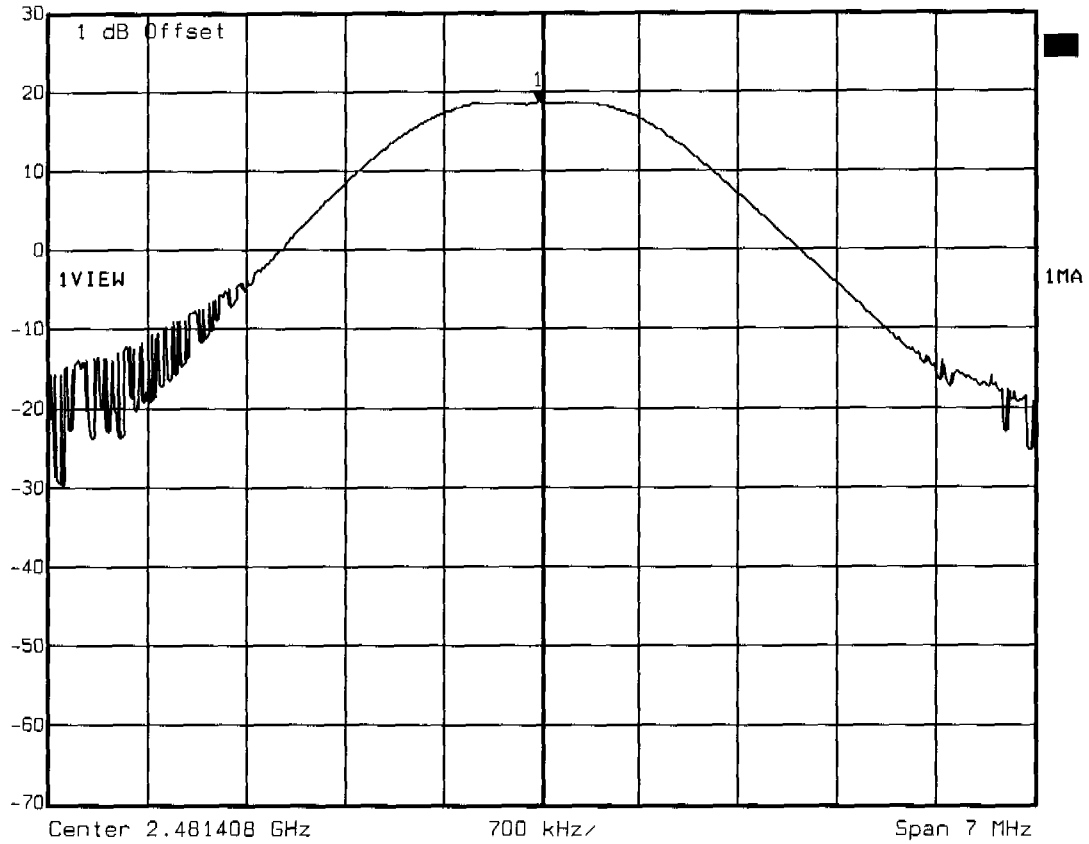
Ref Lvl	30 dBm	Marker 1 [T1]	19.06 dBm	RBW	1 MHz	RF Att	50 dB
			2.44162893 GHz	VBW	1 MHz	Unit	dBm
				SWT	5 ms		



Title: Peak Output Power conducted Ch.: 23
Comment A: USB7100 Handset
Date: 16.FEB.2005 10:46:40



Ref Lvl	30 dBm	Marker 1 [T1]	18.52 dBm	RBW	1 MHz	RF Att	50 dB
			2.48138696 GHz	VBW	1 MHz	Unit	dBm
				SWT	5 ms		

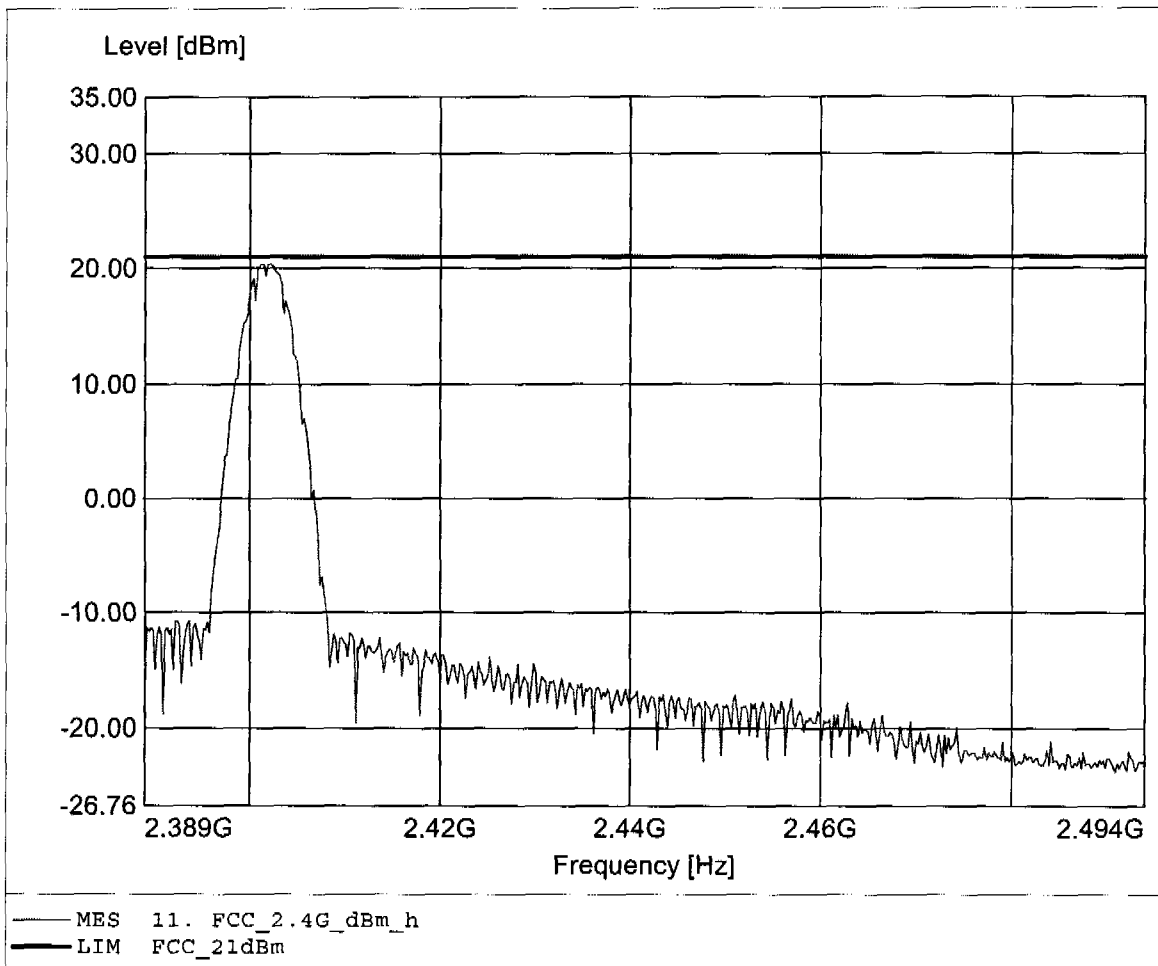


Title: Peak Output Power conducted Ch.: 46
Comment A: USB7100 Handset
Date: 16.FEB.2005 10:48:09

Carrier power (dBm)

FCC RULES PART 15, SUBPART C

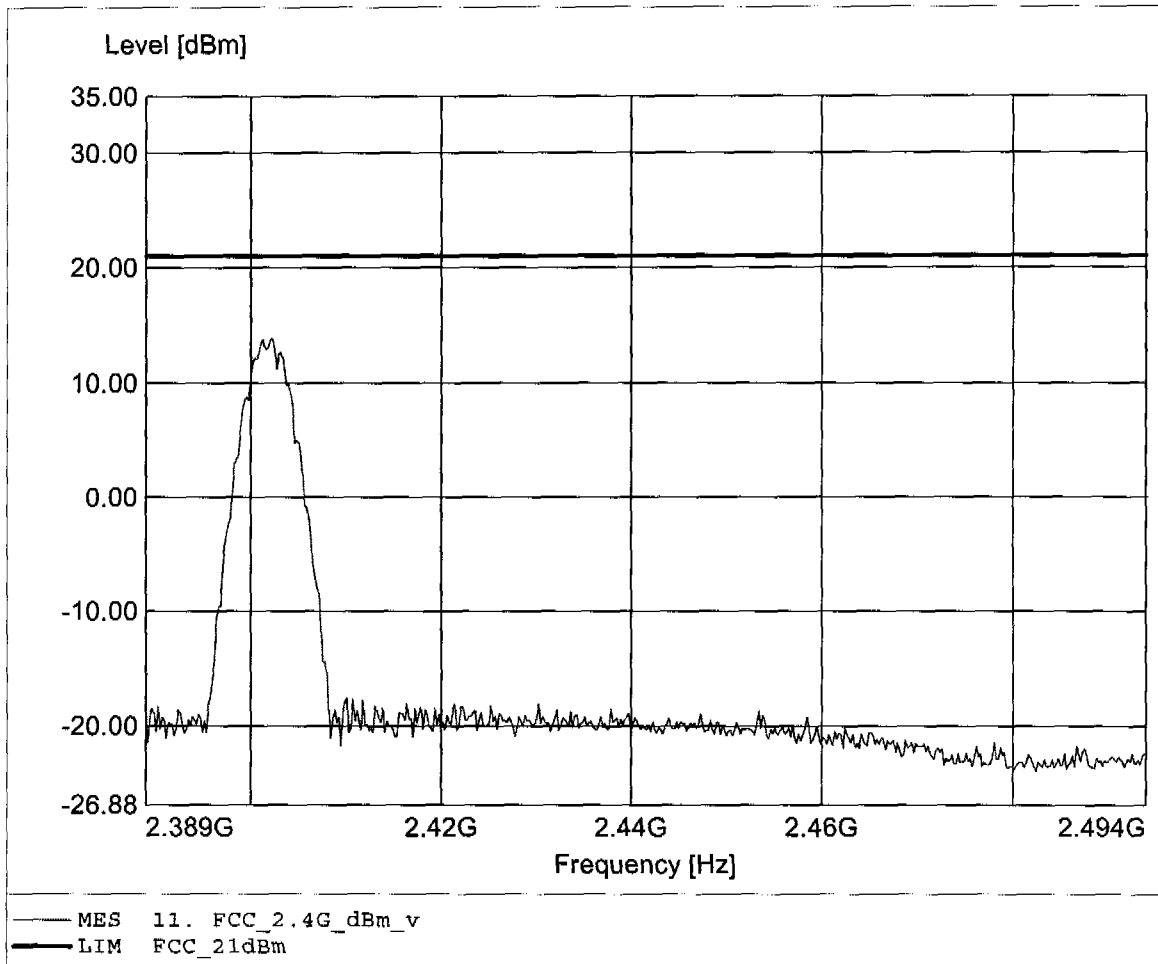
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.401GHz, Pmax: 20.37dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

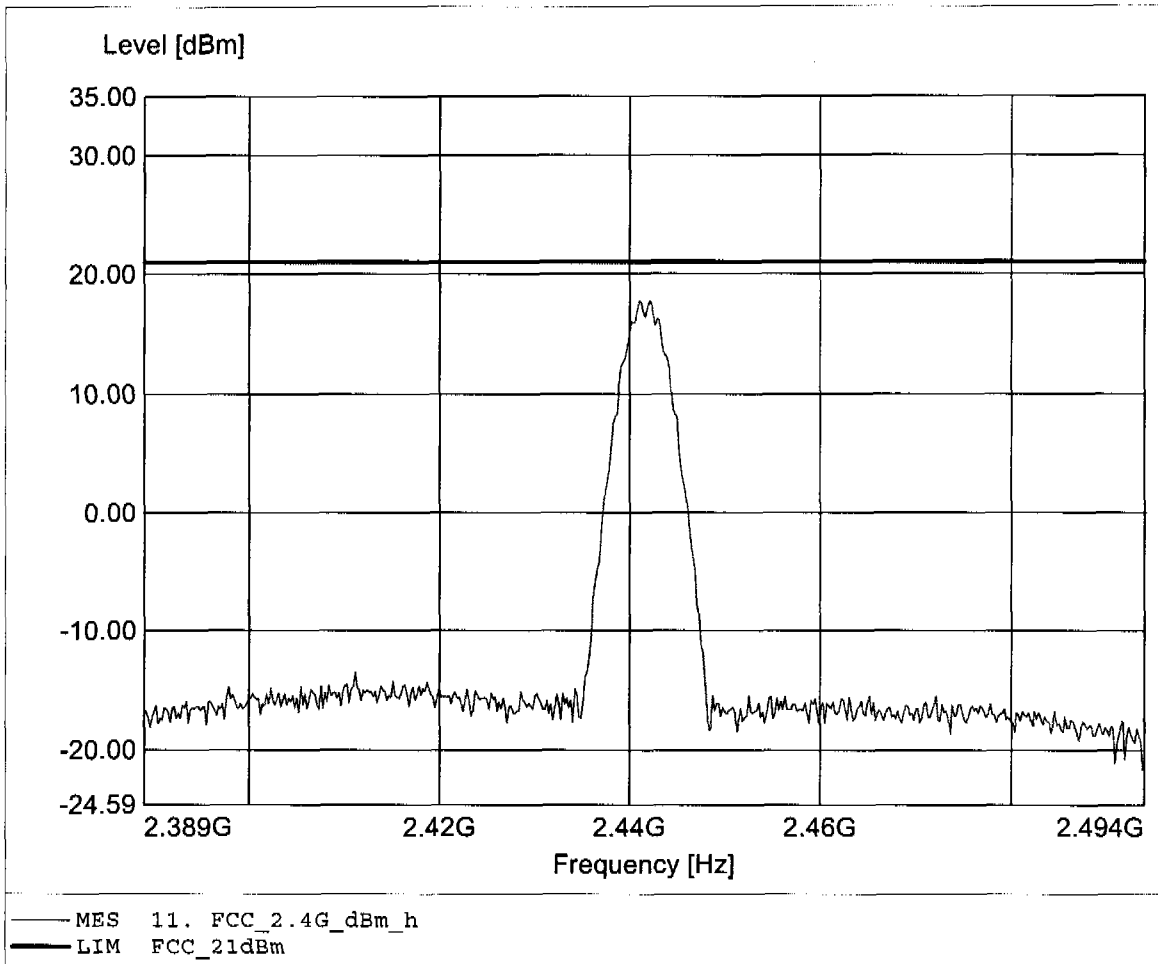
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: 13.83dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

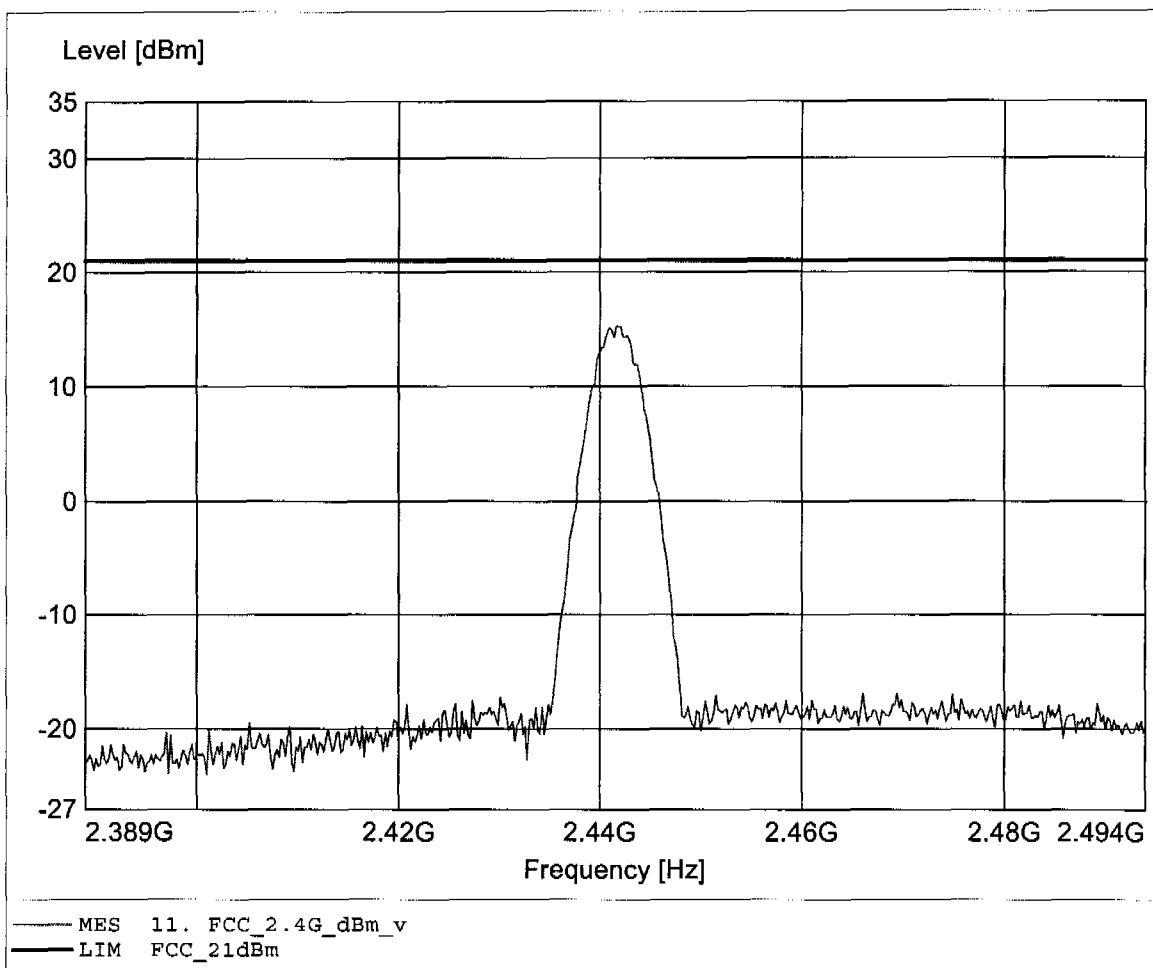
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: 17.77dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

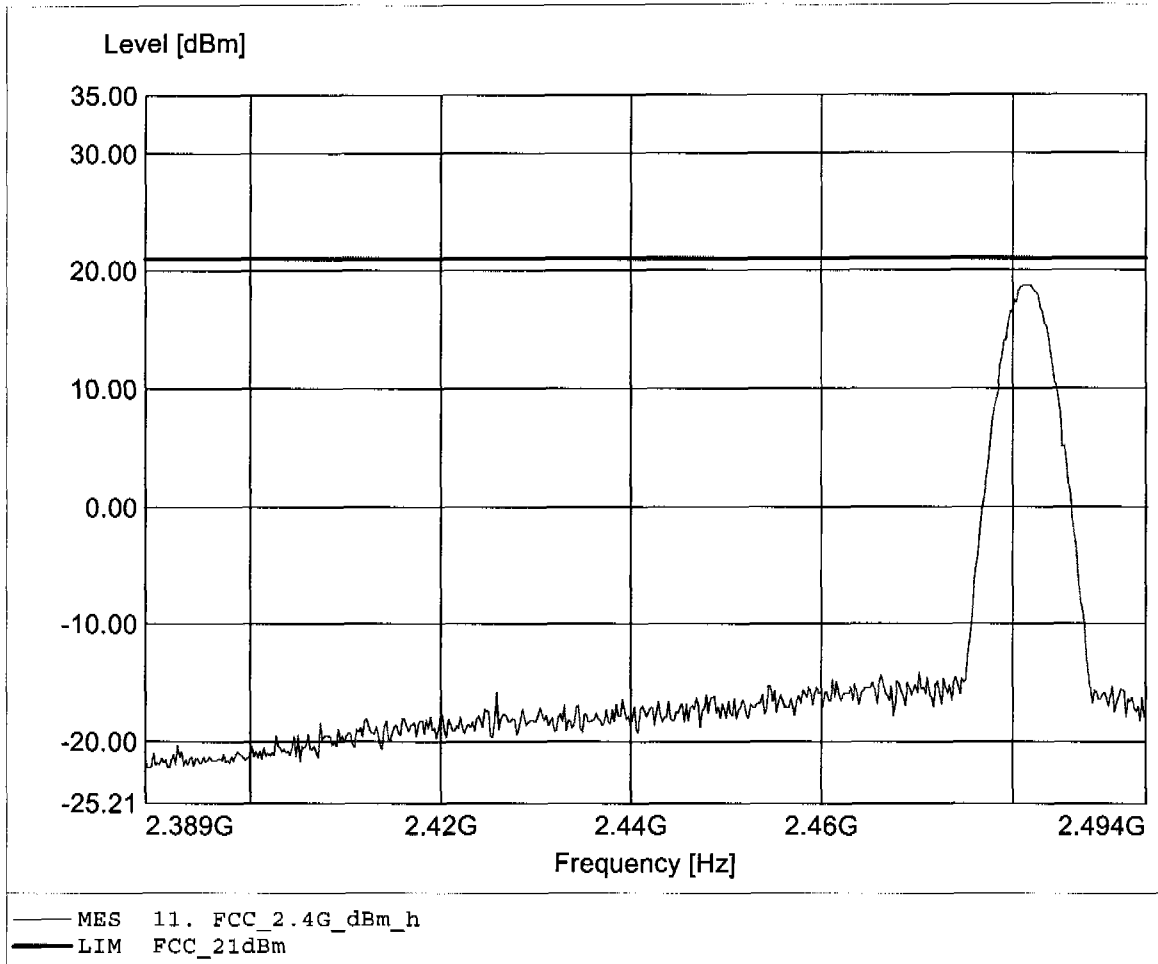
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.442GHz, Pmax: 15.23dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

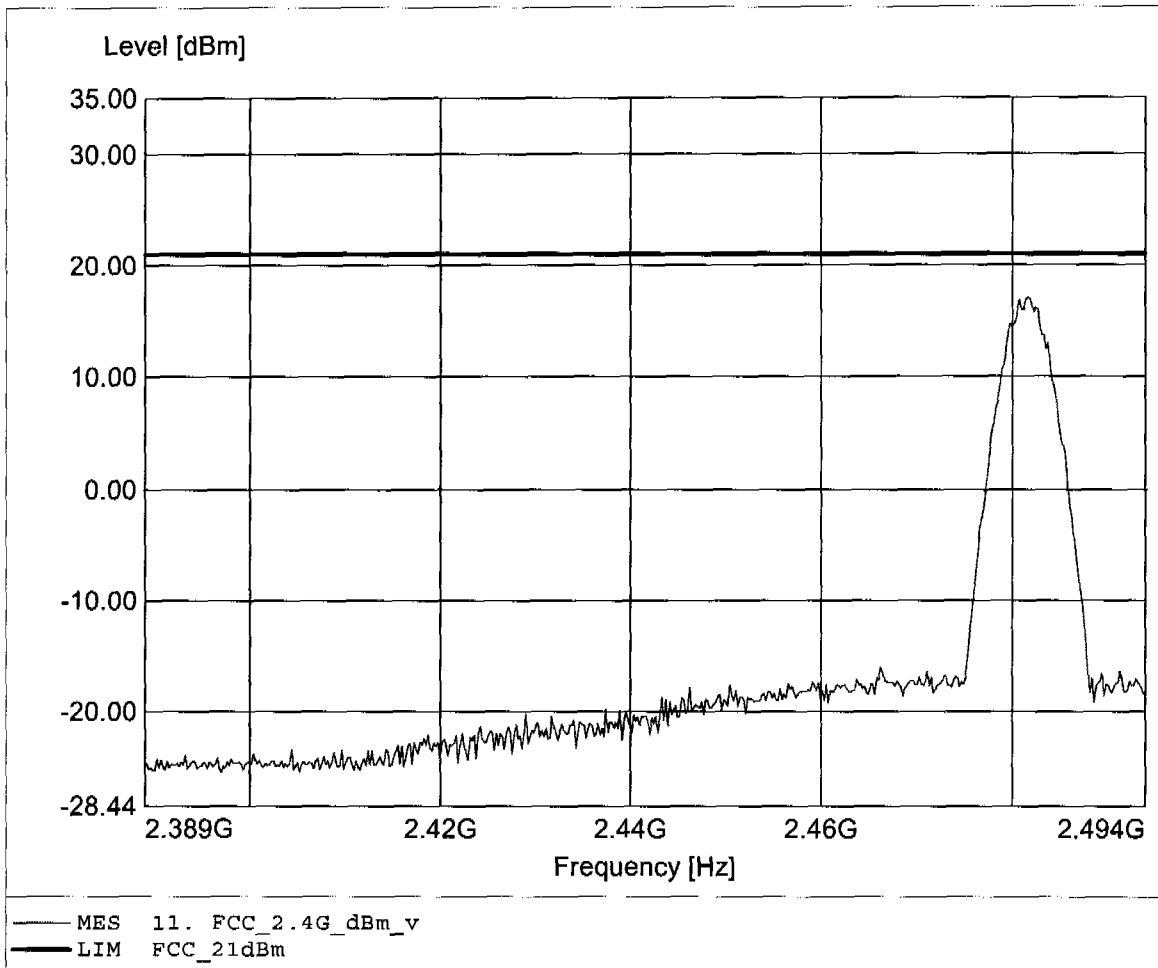
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.481GHz, Pmax: 18.65dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.482GHz, Pmax: 17.06dBm, RBW: 5MHz





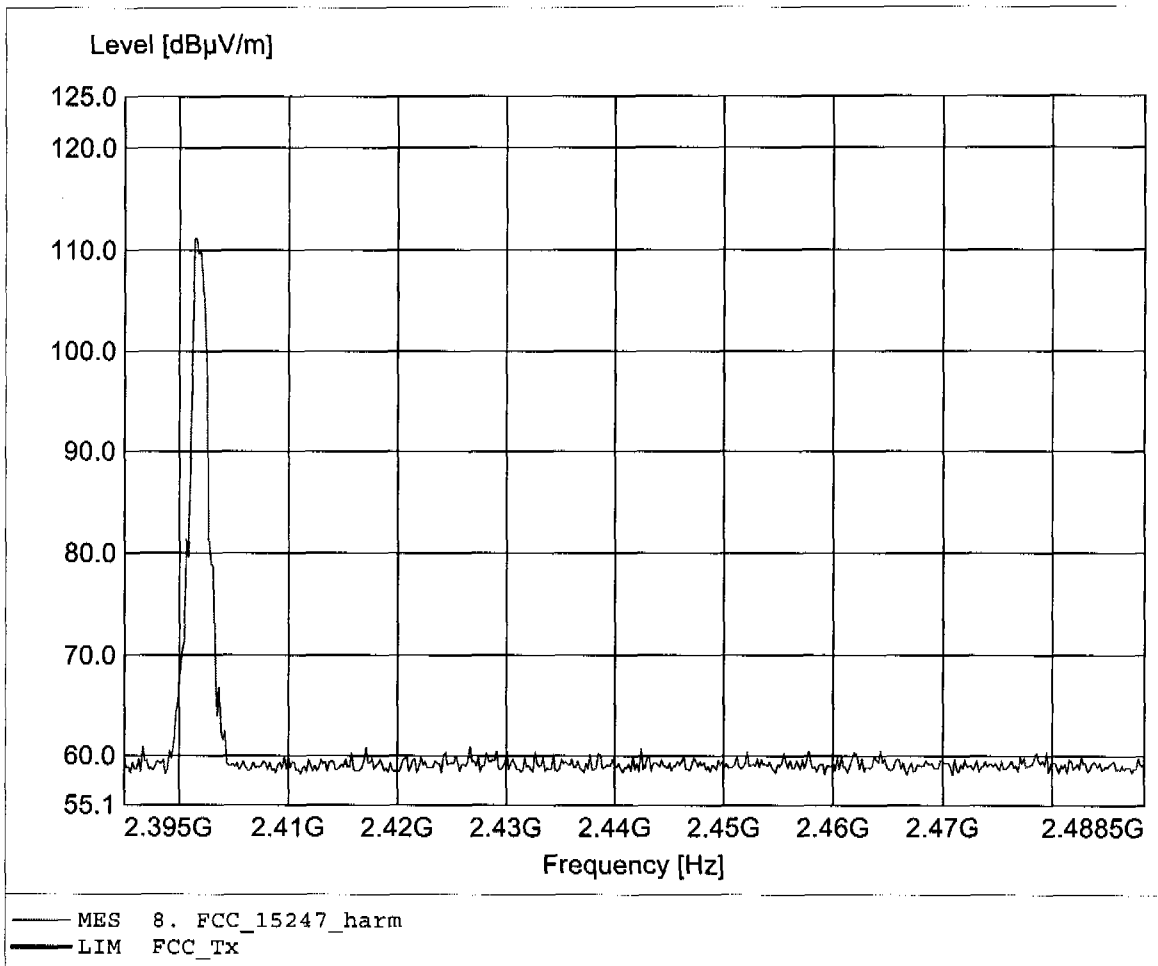
Appendix C

Spurious Emissions radiated - Transmitter operating

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

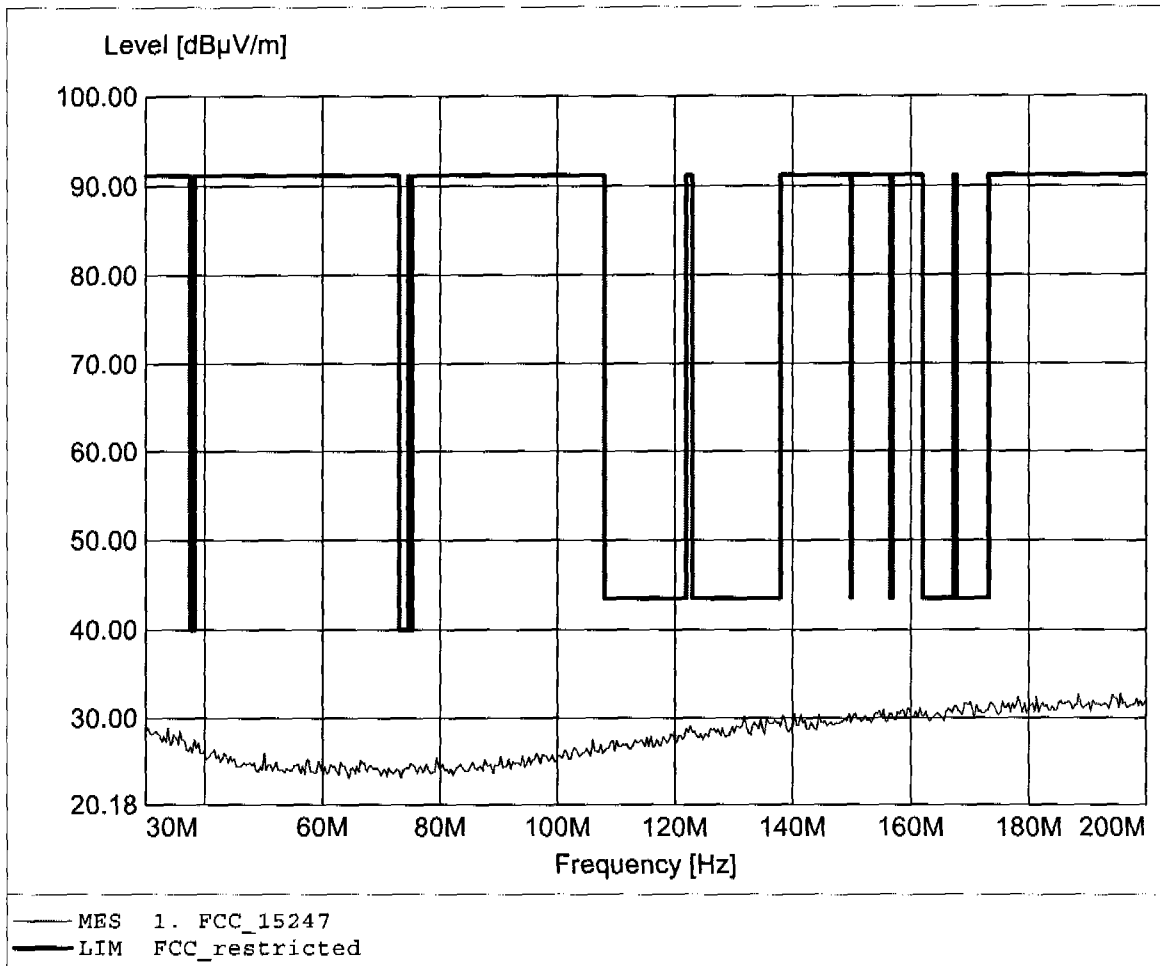
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Emax: 111.19dBµV/m, RBW: 100KHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

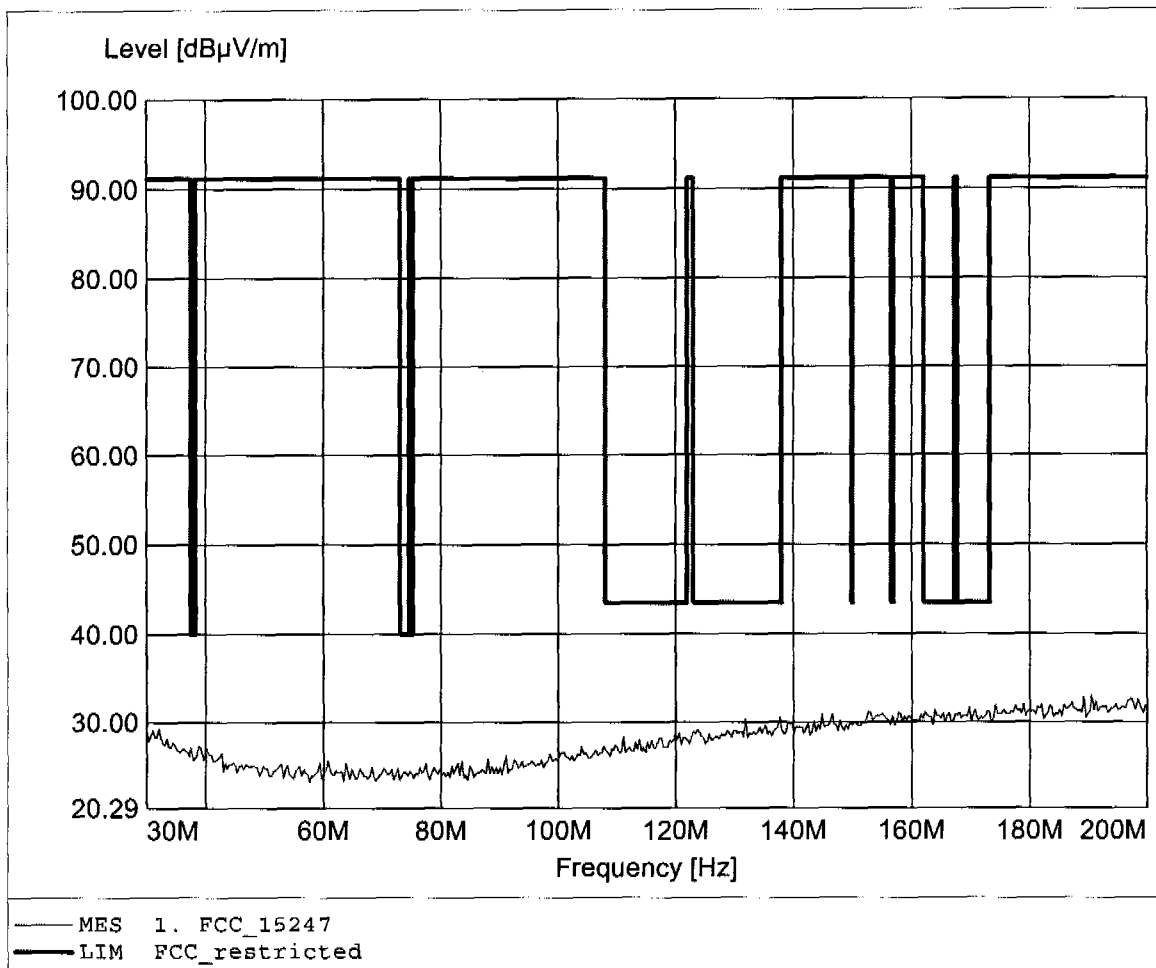
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.571MHz, Emax: 32.82dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

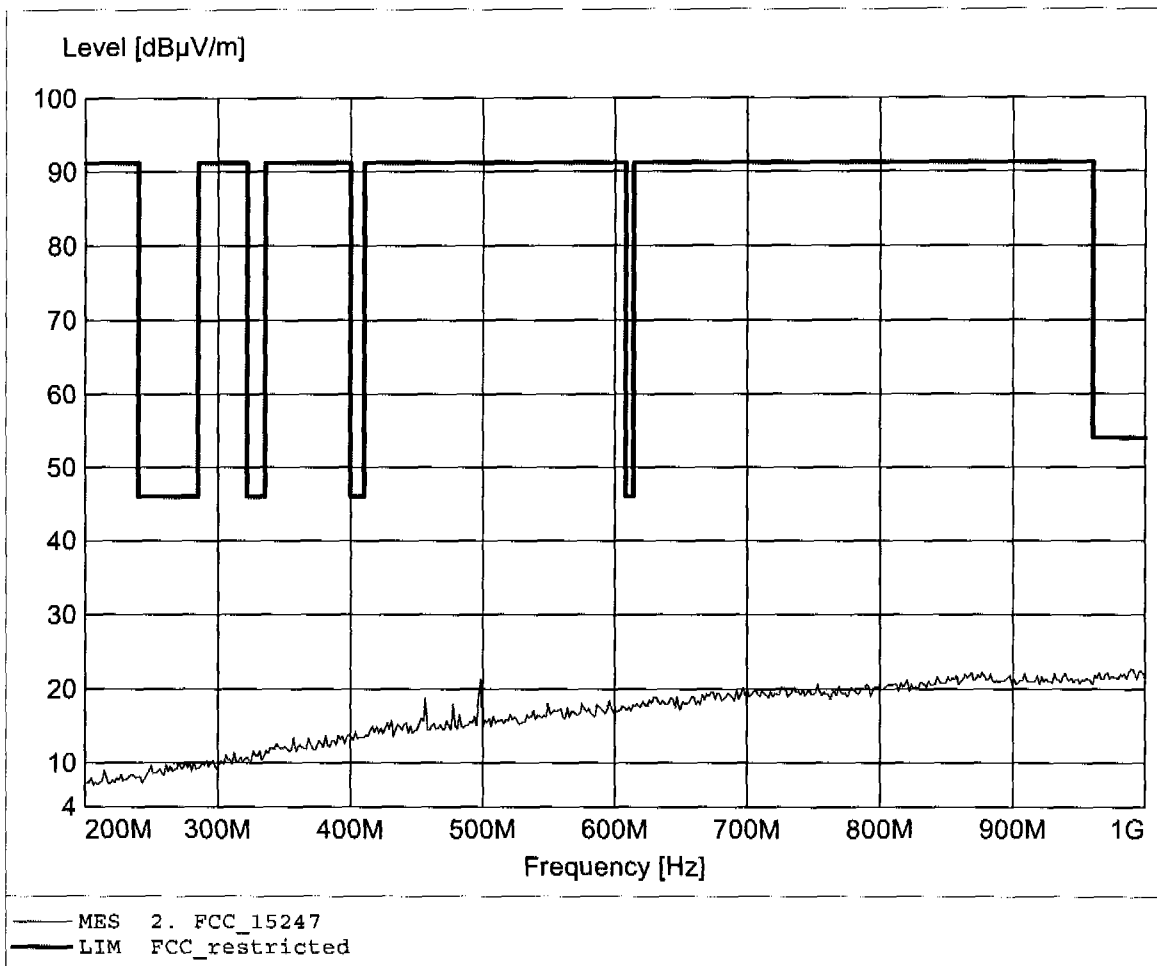
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 190.461MHz, Emax: 33.03dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

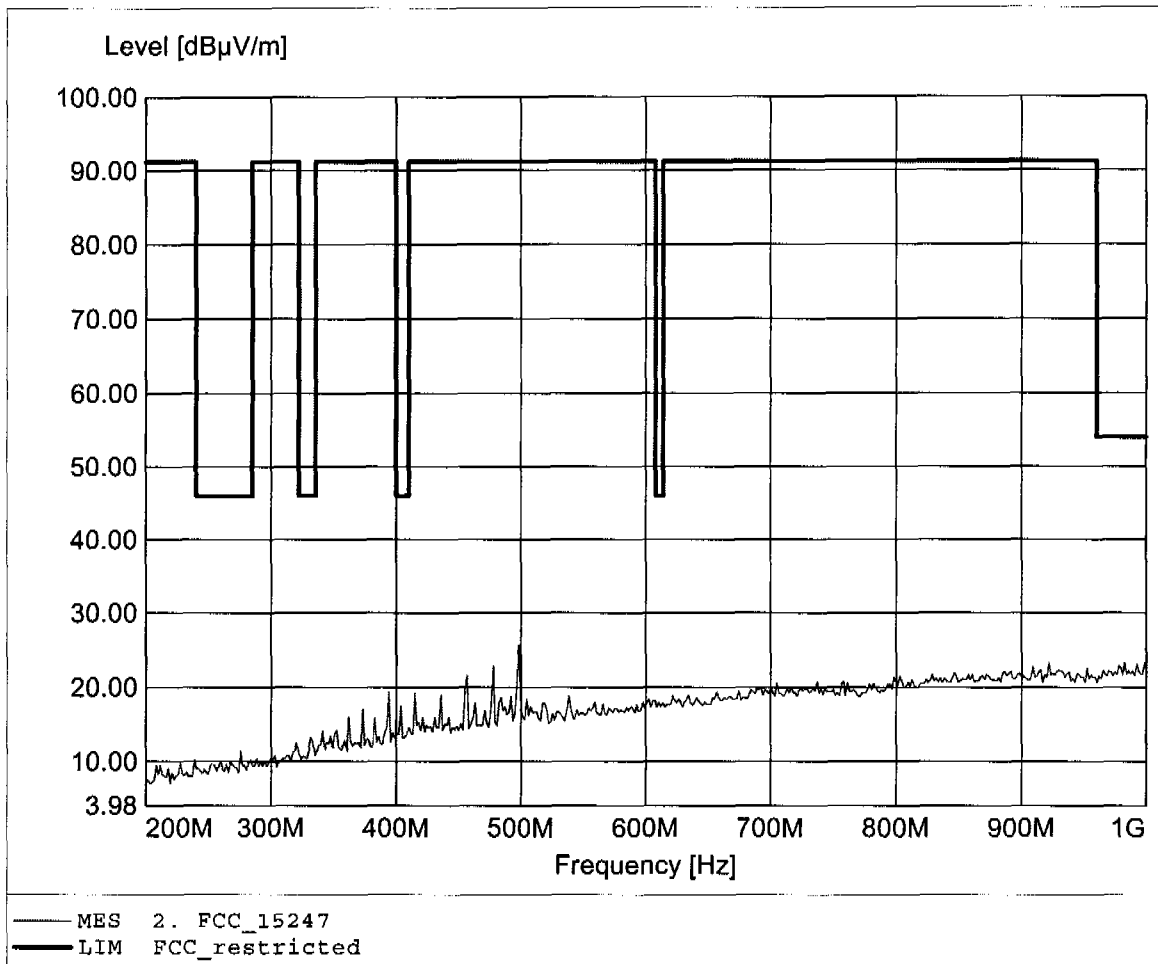
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 990.381MHz, Emax: 22.70dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

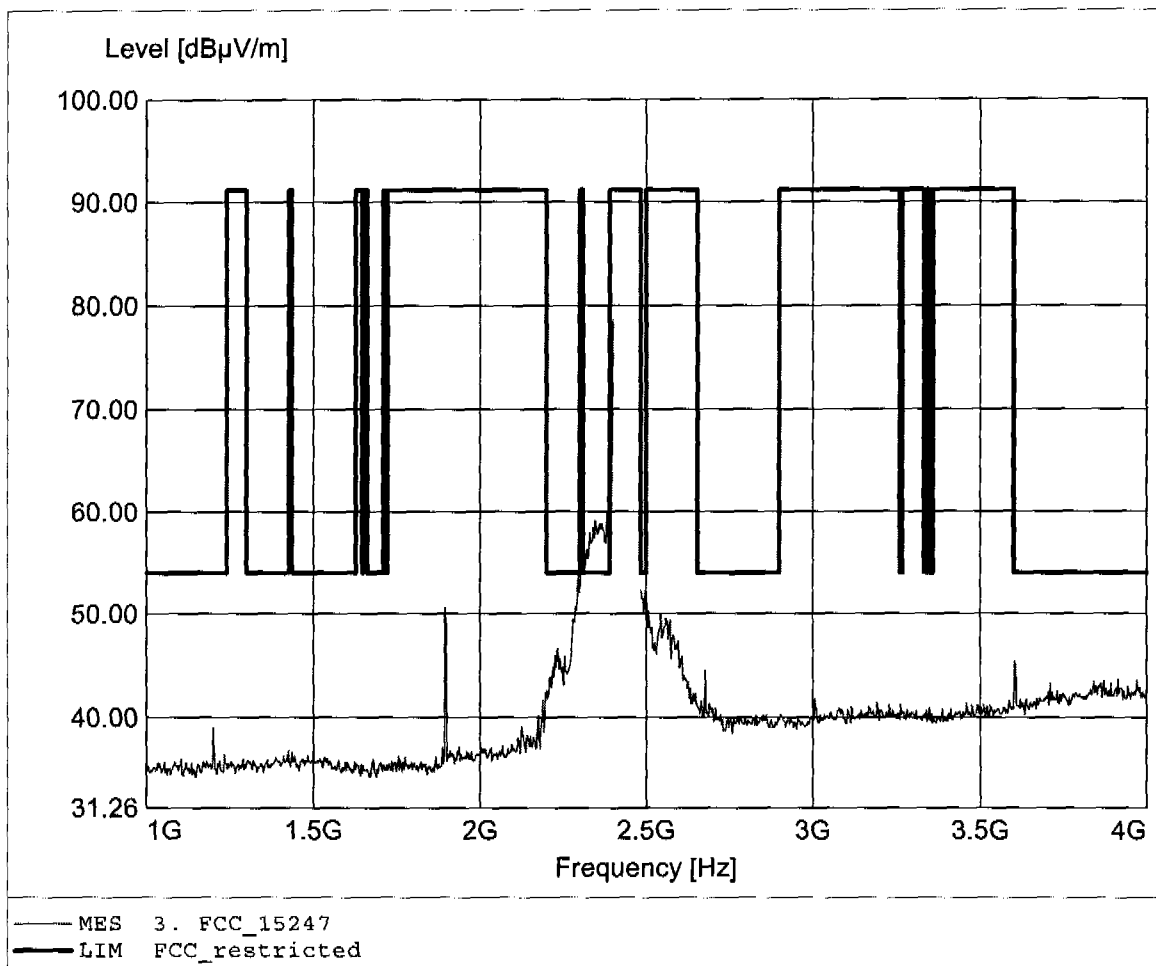
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 498.196MHz, Emax: 25.74dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

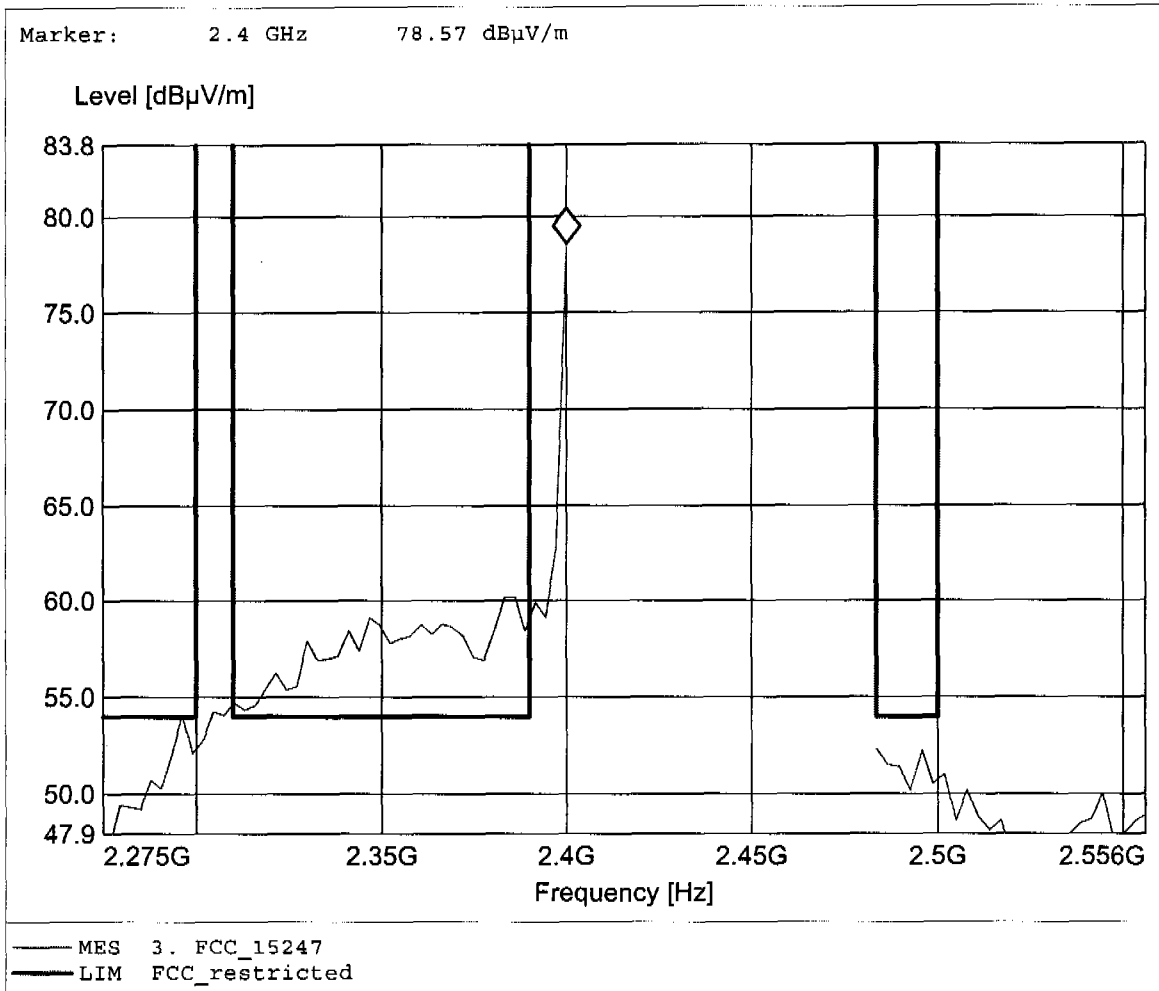
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 78.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

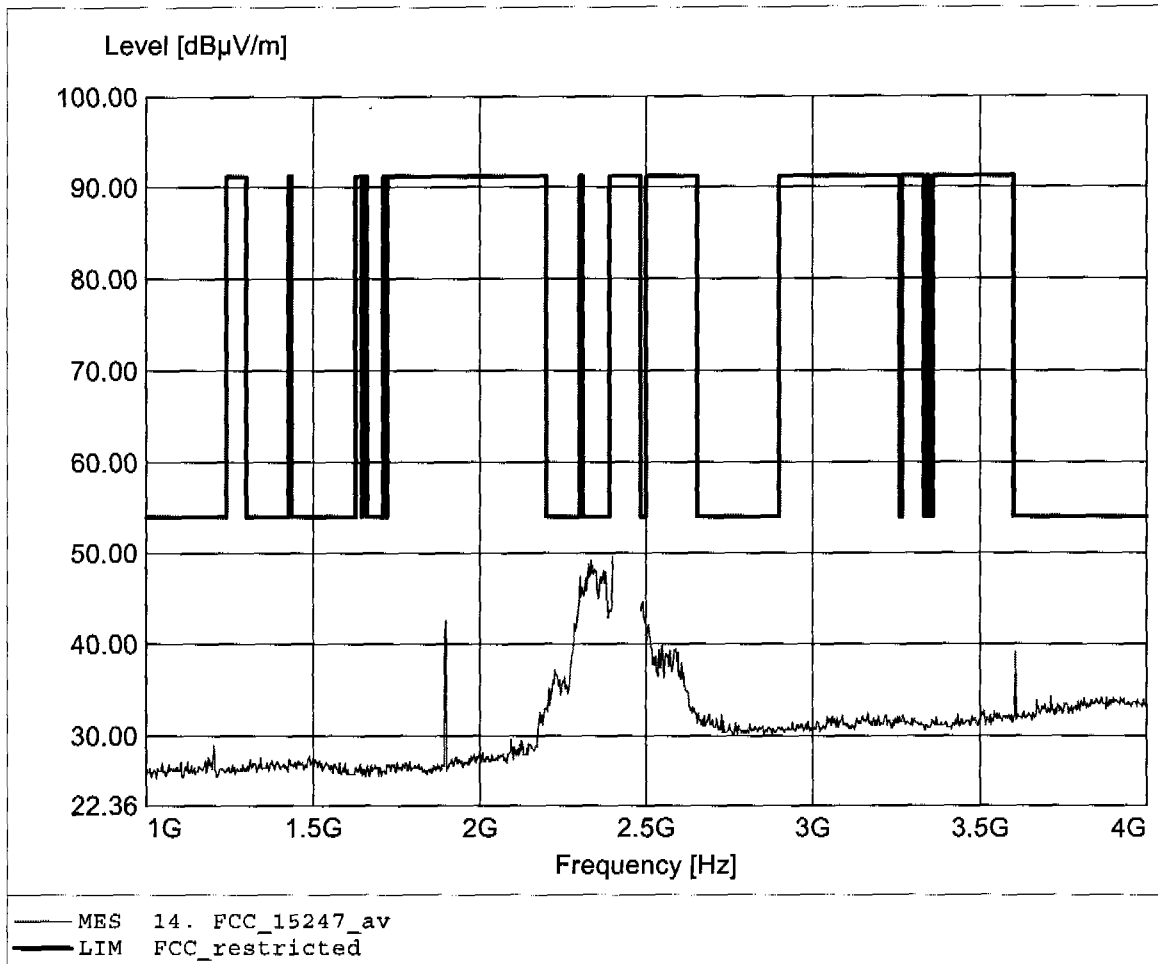
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 78.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

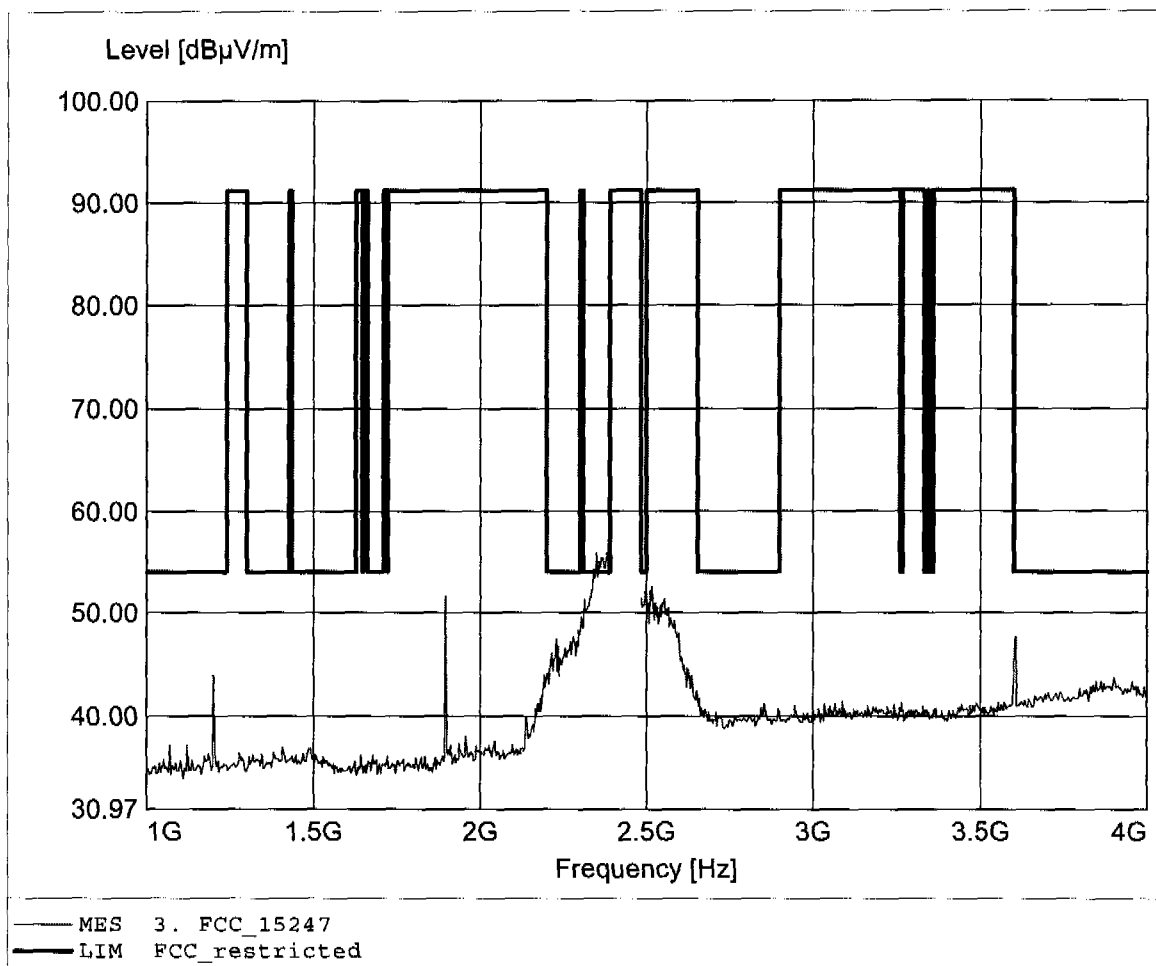
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 49.63dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

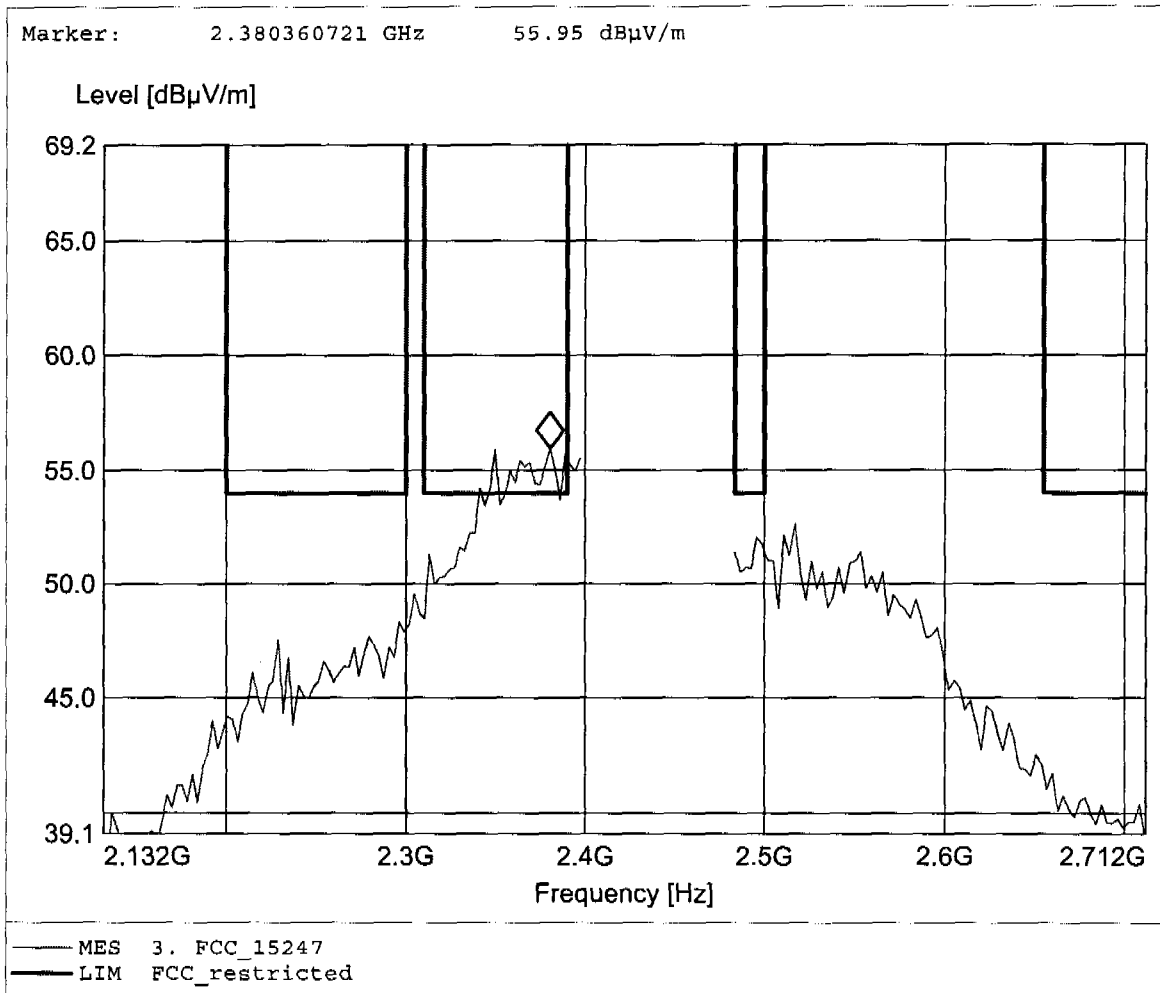
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.380GHz, Emax: 55.95dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

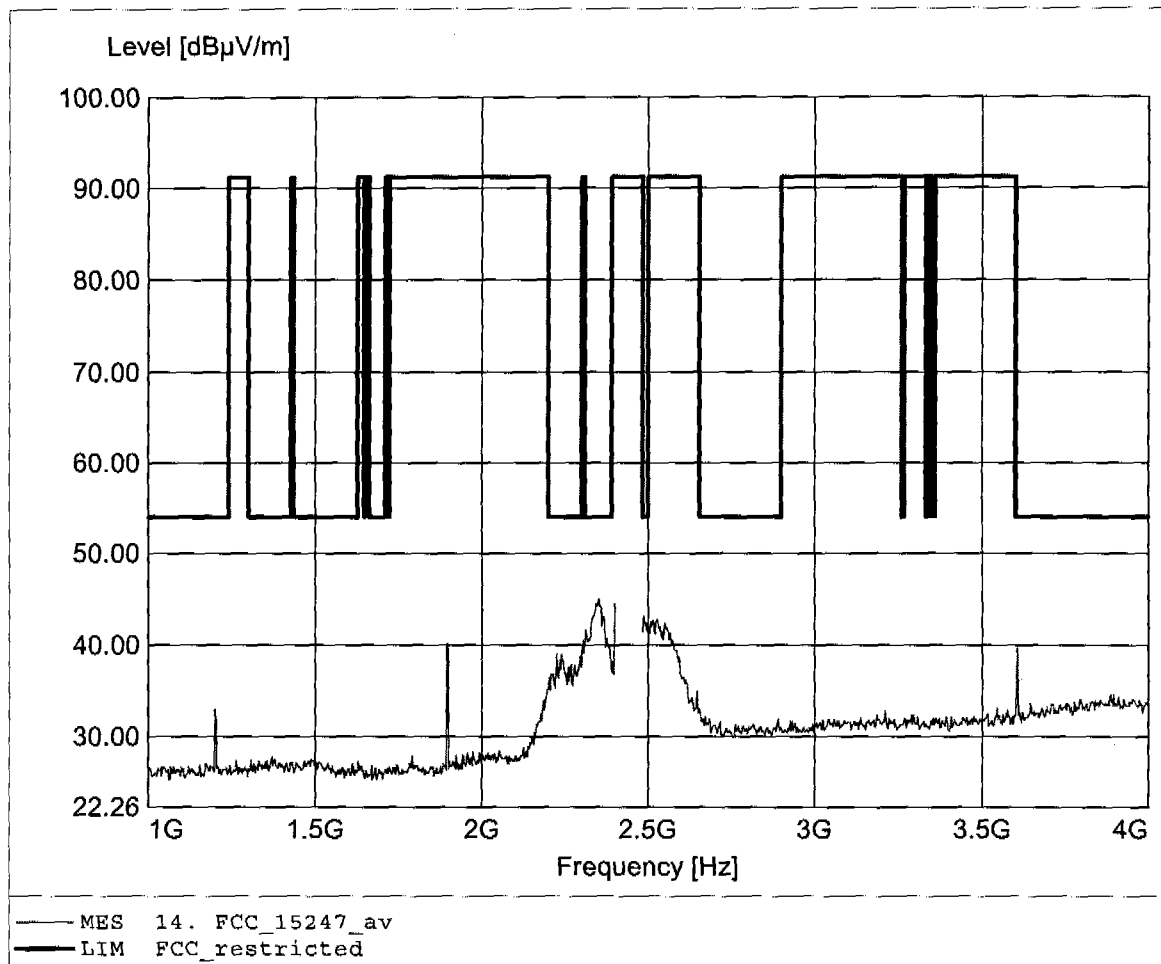
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.380GHz, Emax: 55.95dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

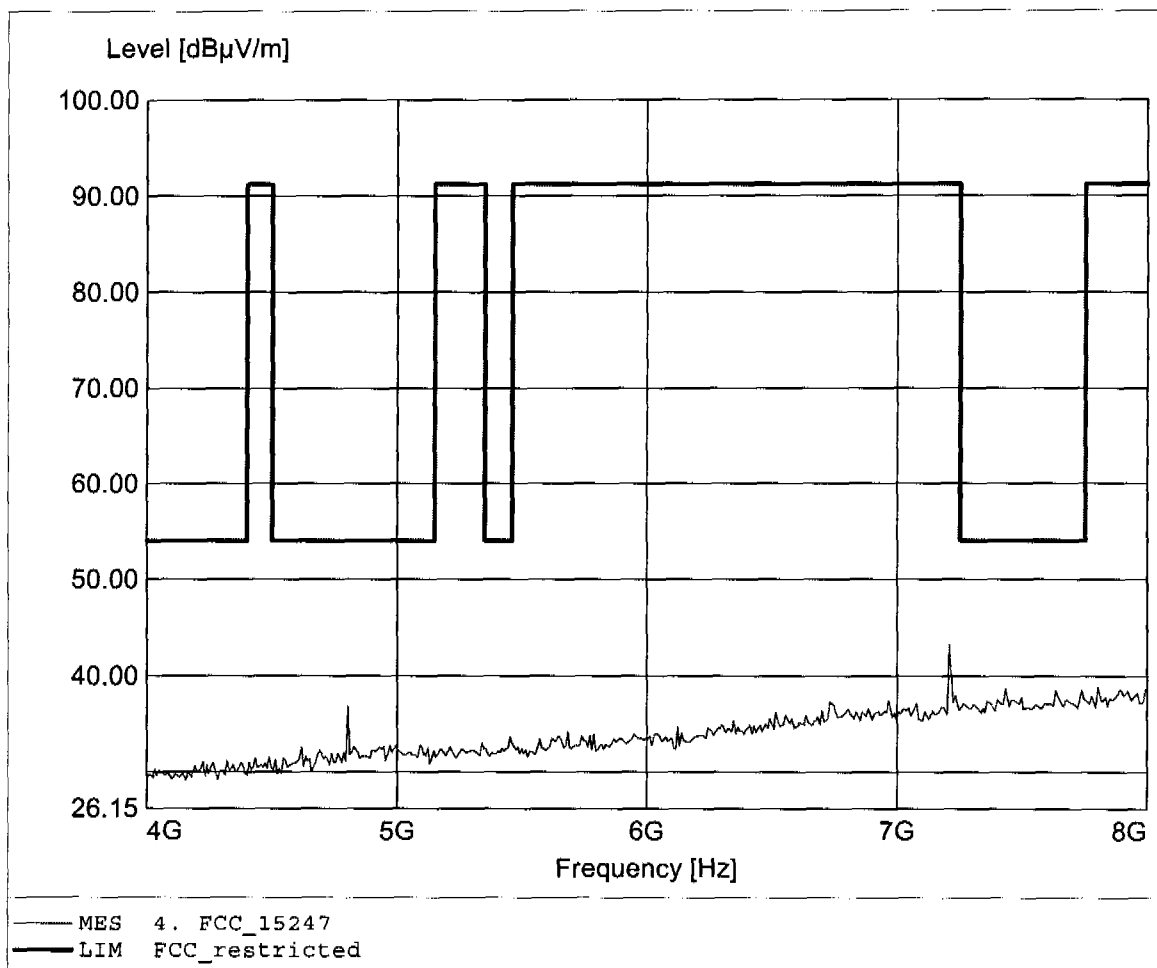
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.352GHz, Emax: 45.06dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

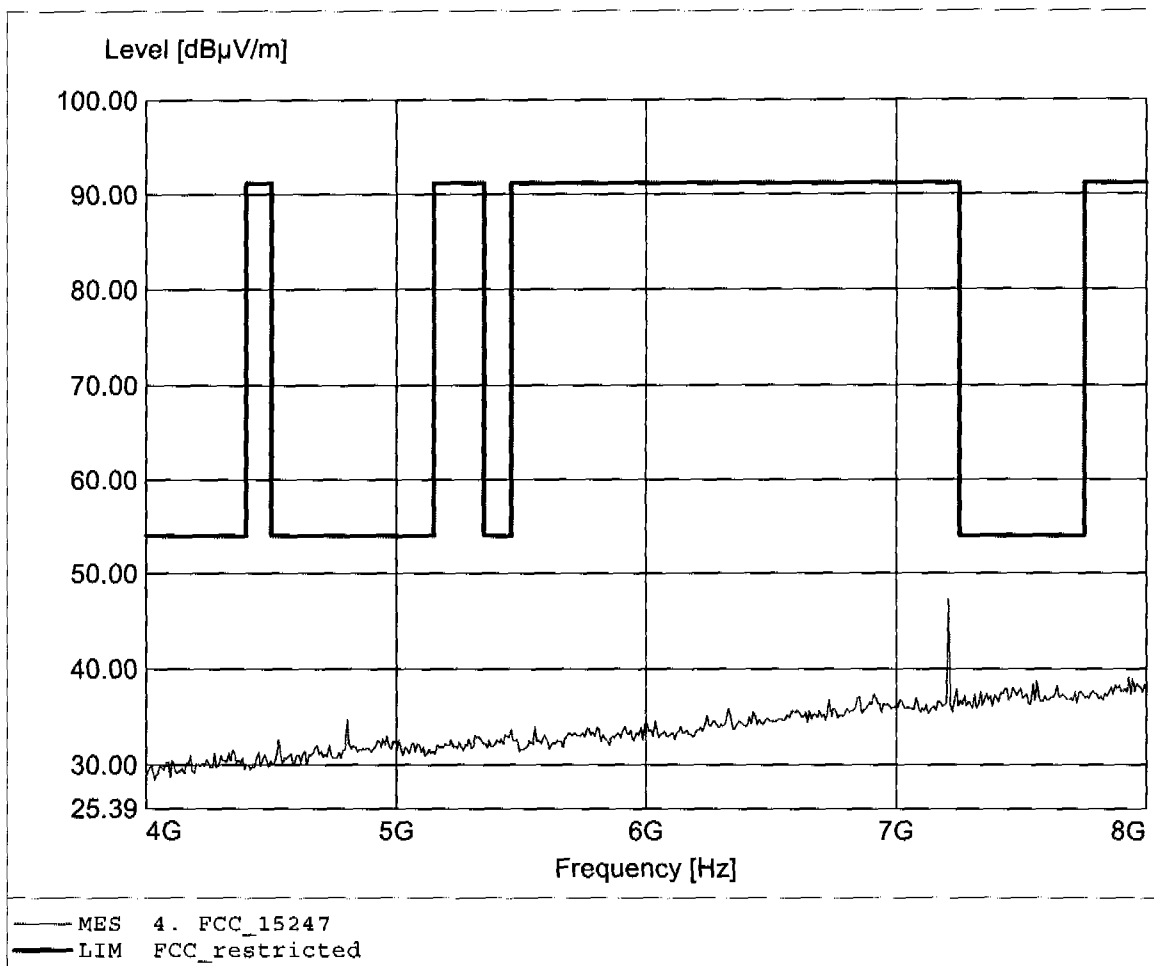
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.206GHz, Emax: 43.23dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

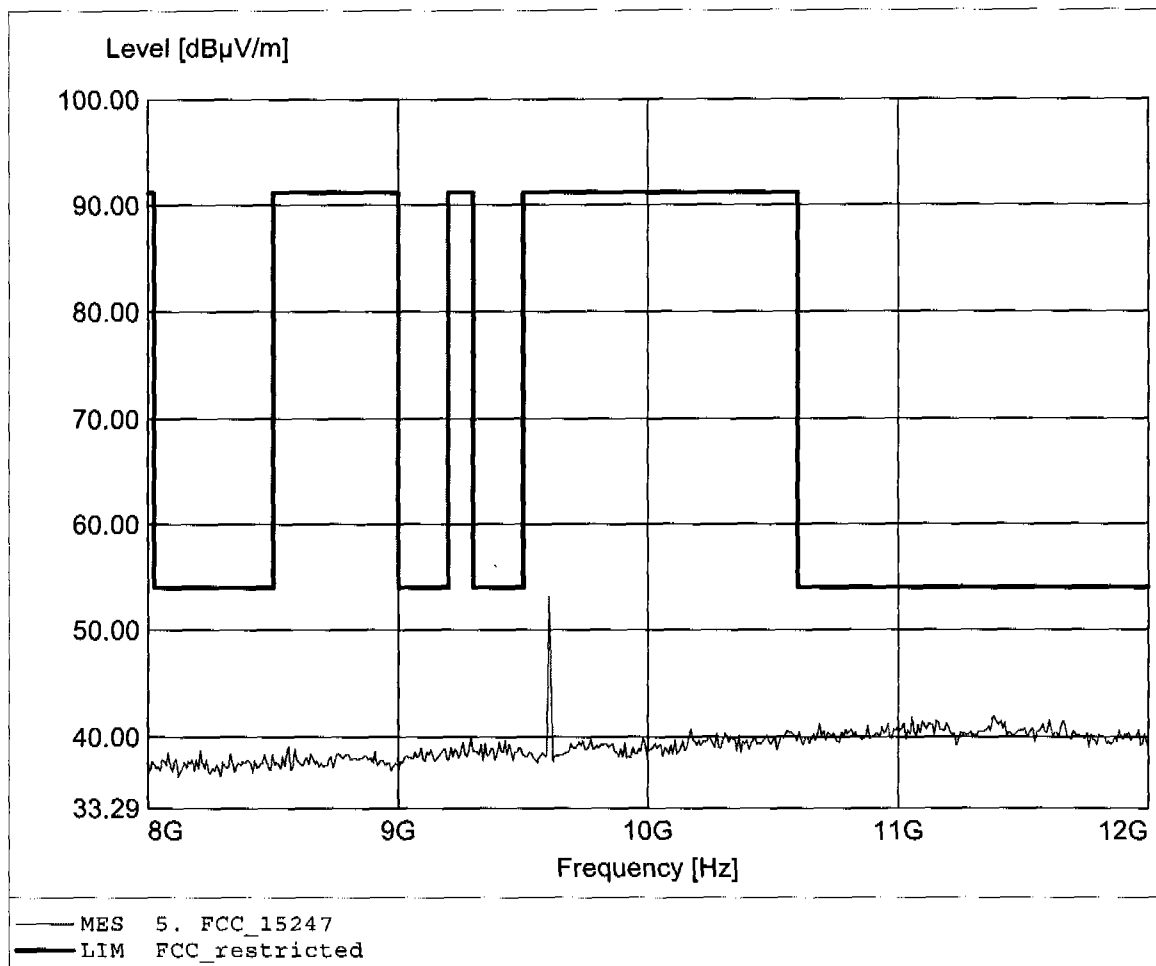
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.206GHz, Emax: 47.25dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

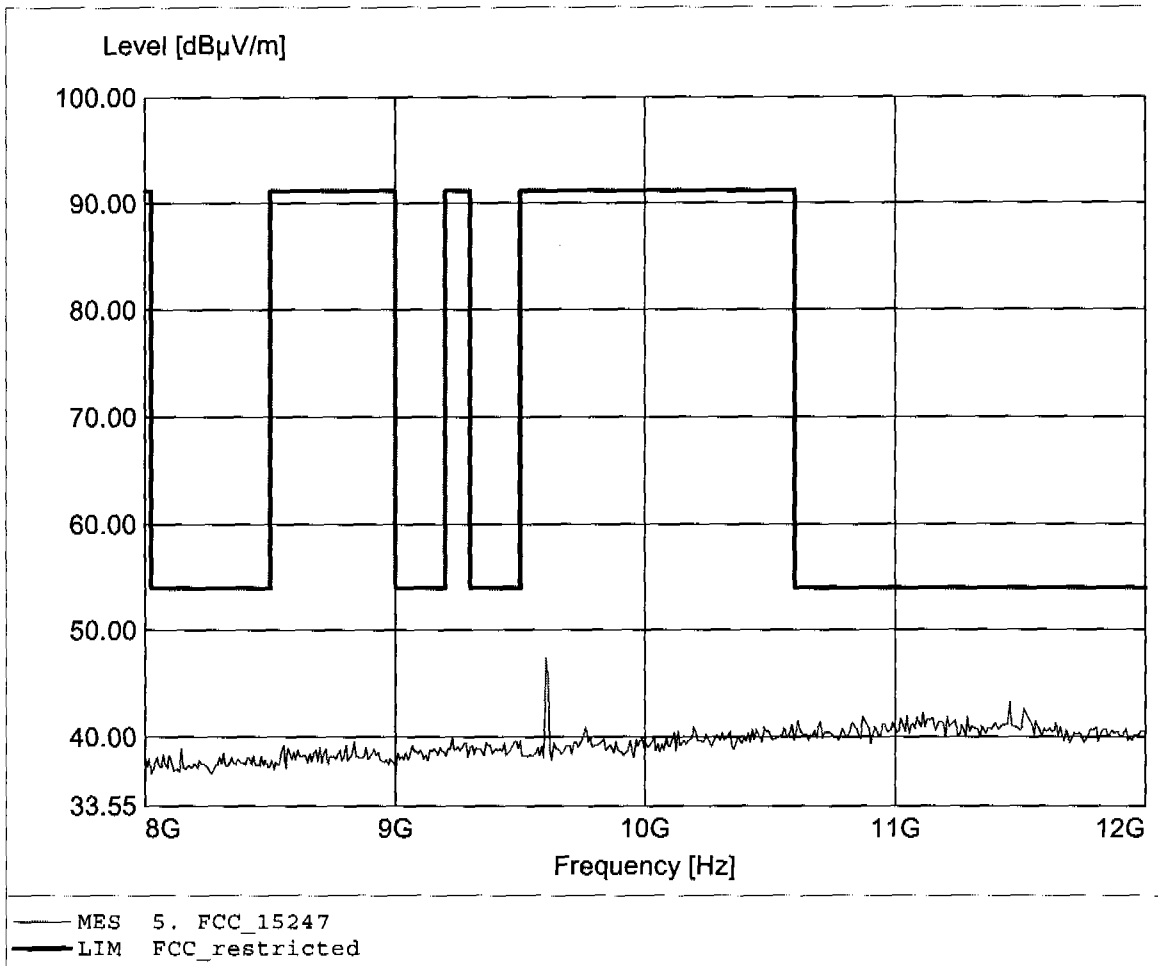
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.603GHz, Emax: 53.17dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

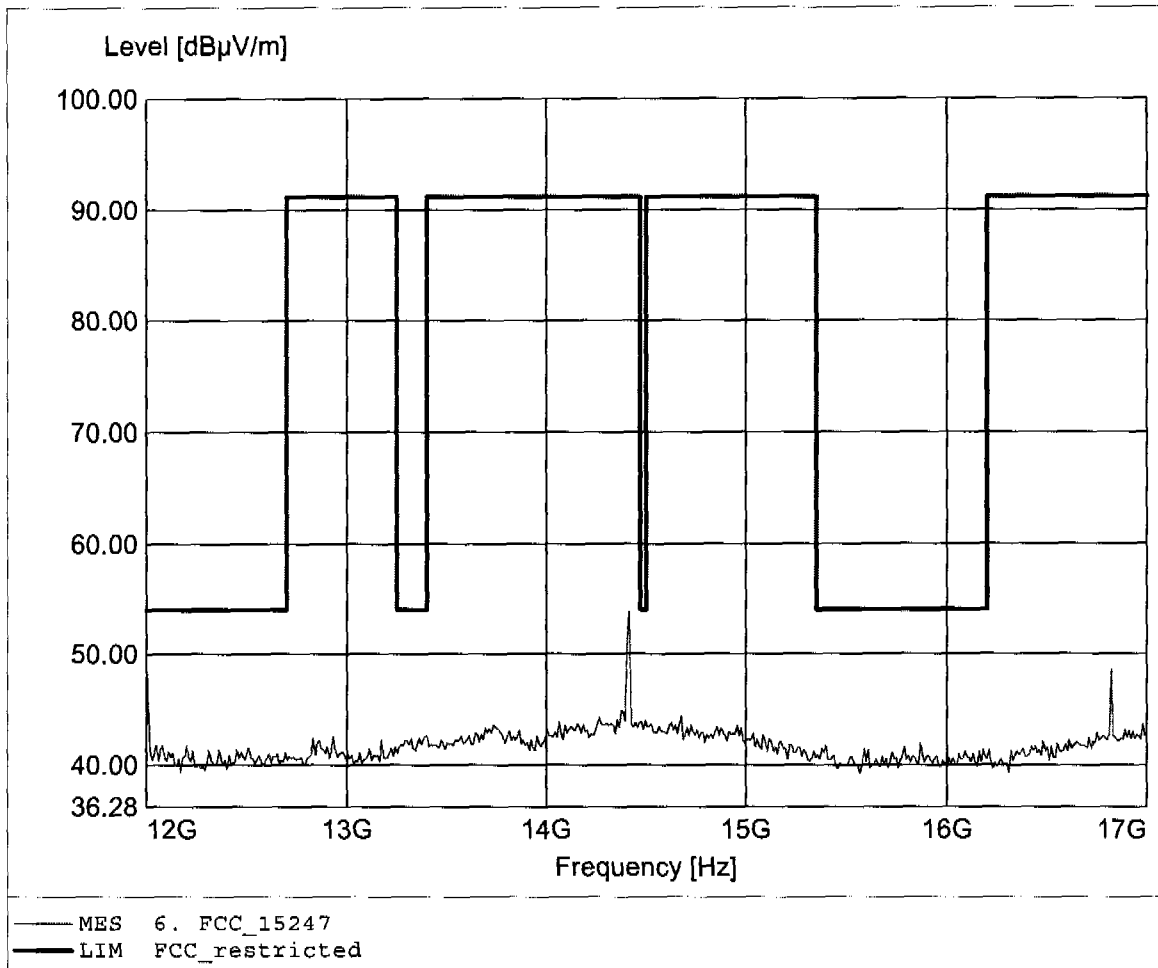
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.603GHz, Emax: 47.35dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

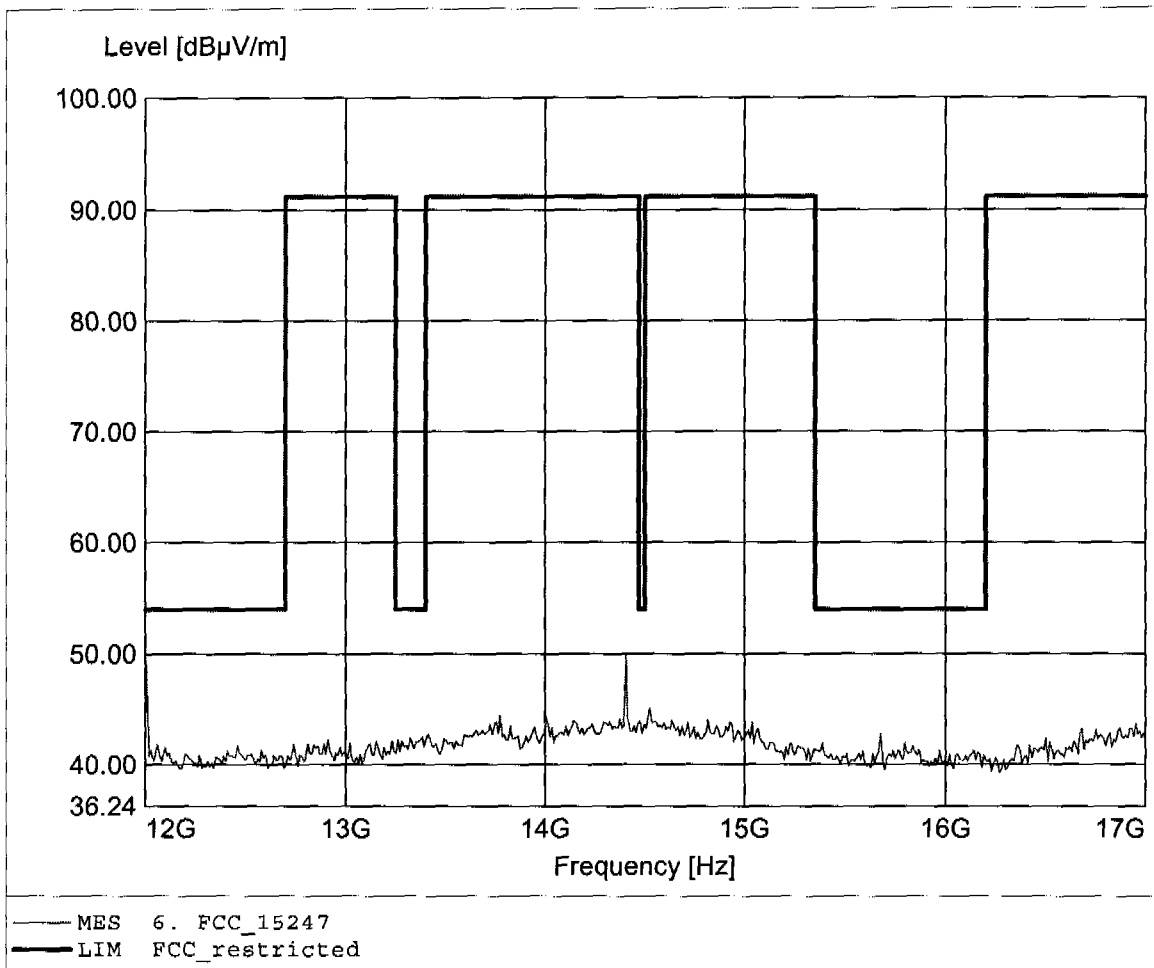
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.415GHz, Emax: 53.85dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

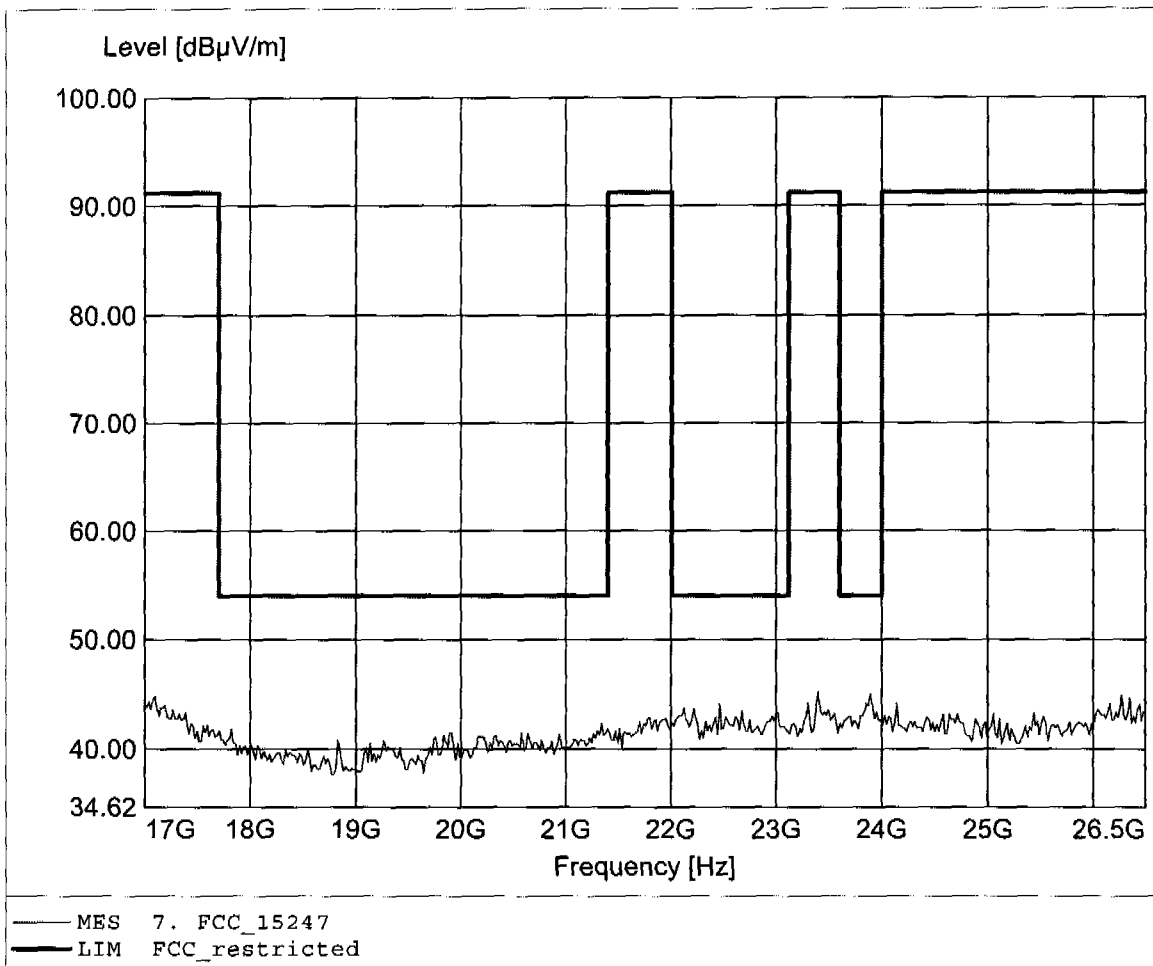
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 12.000GHz, Emax: 50.82dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

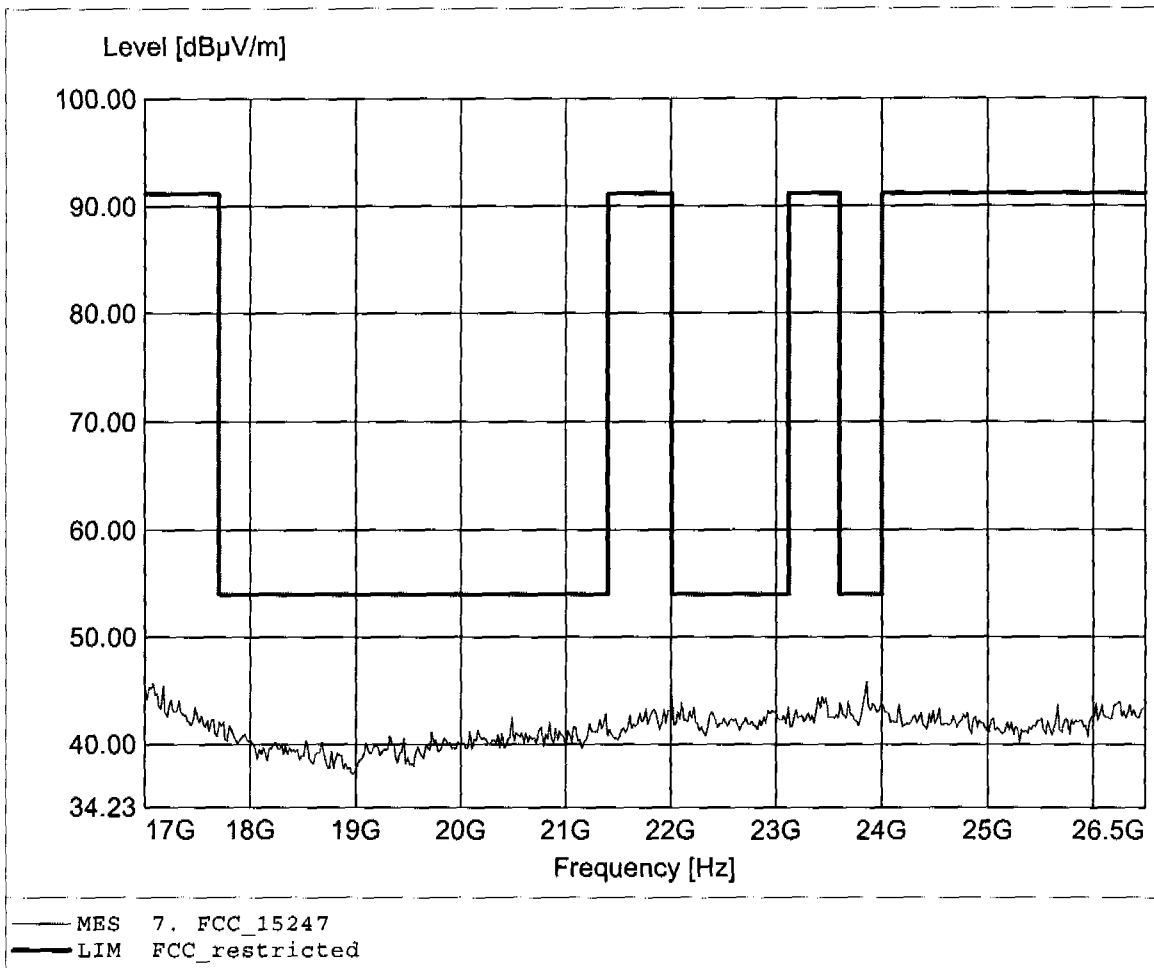
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 23.397GHz, Emax: 45.29dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

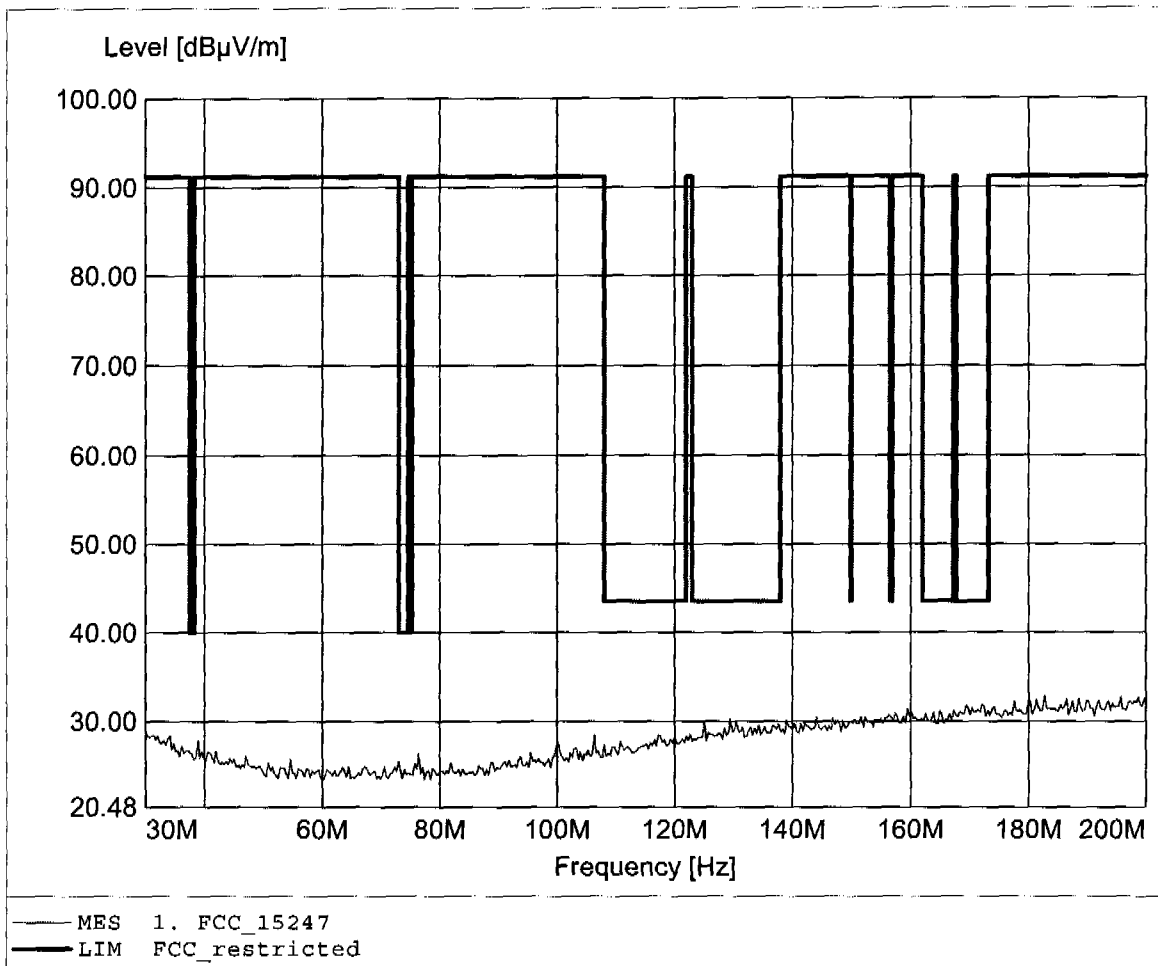
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 23.854GHz, Emax: 45.83dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

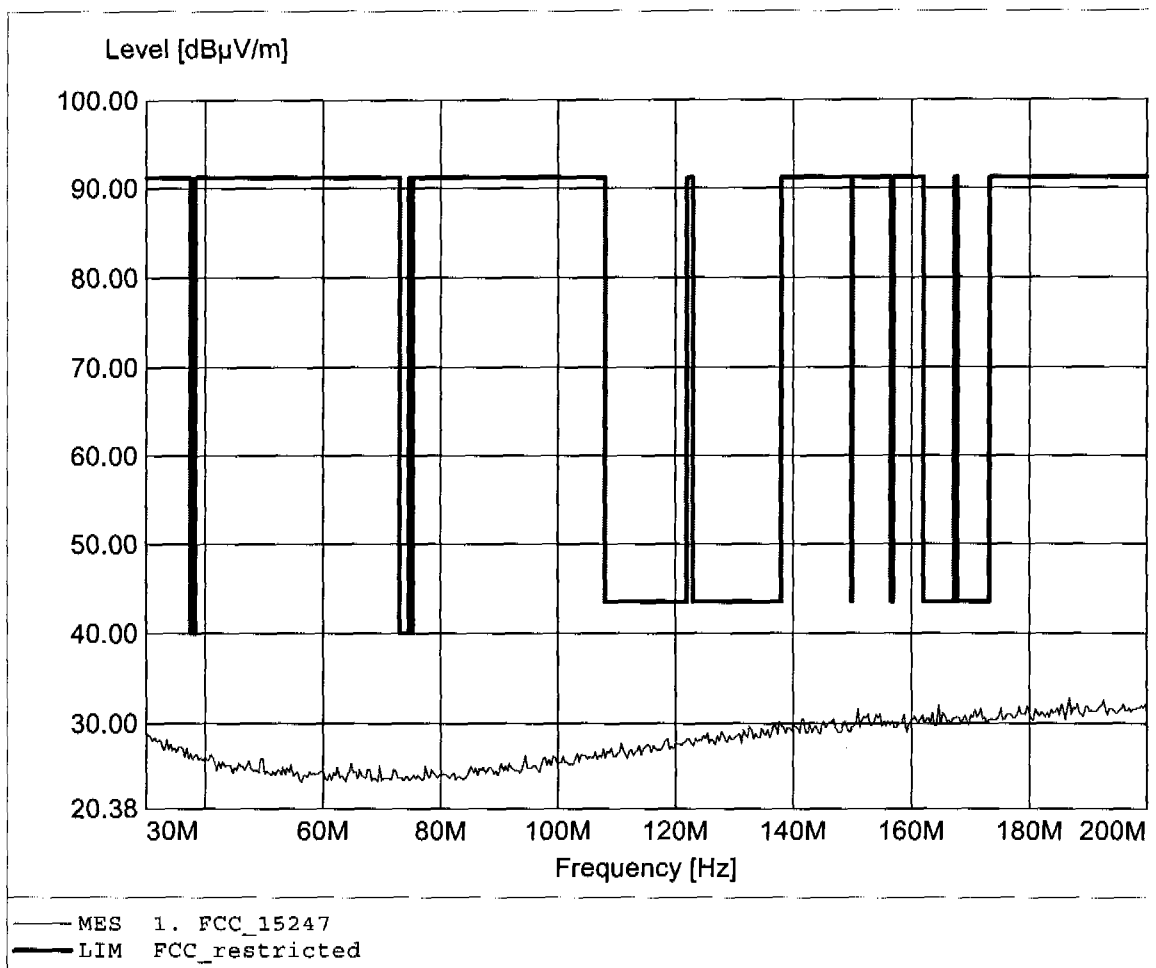
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 182.625MHz, Emax: 32.86dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

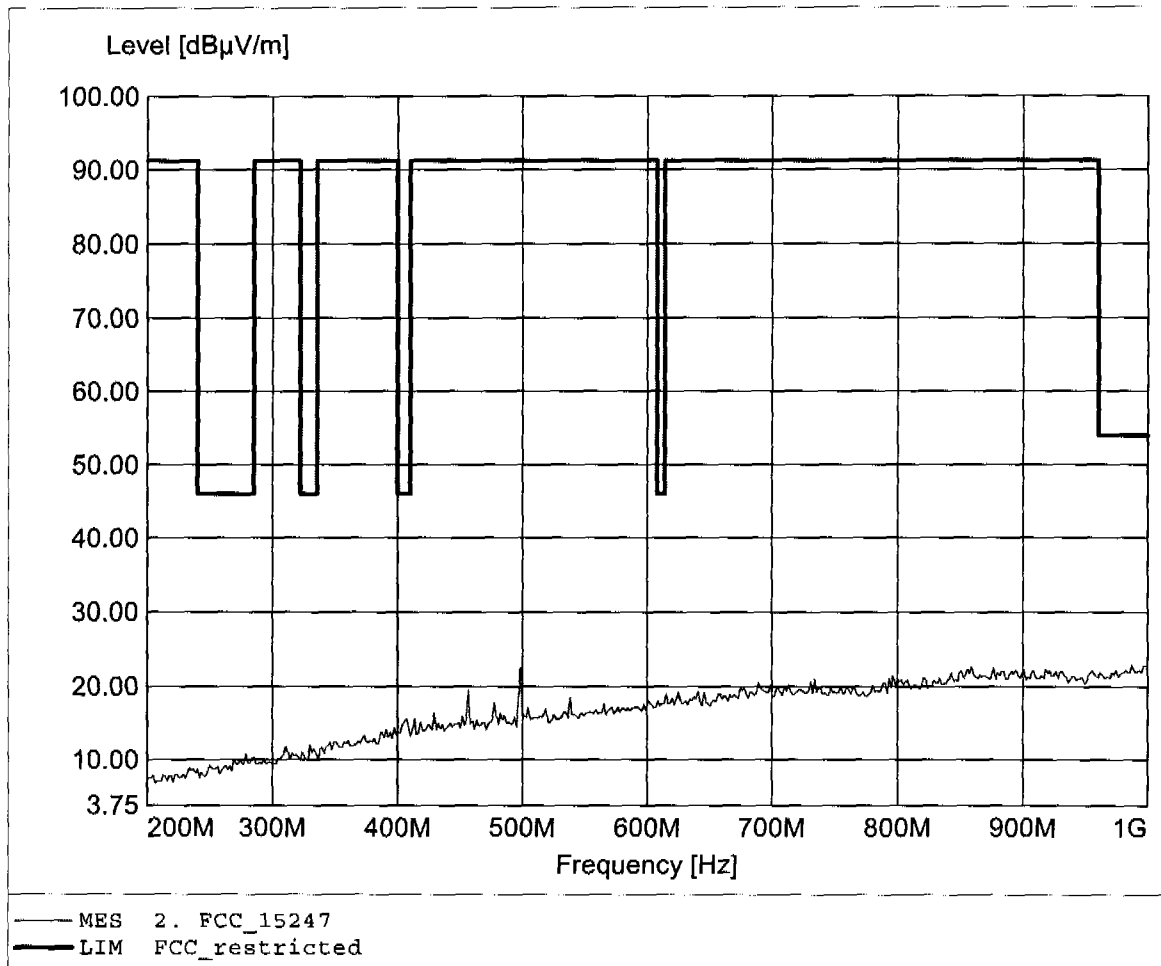
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 186.713MHz, Emax: 32.94dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

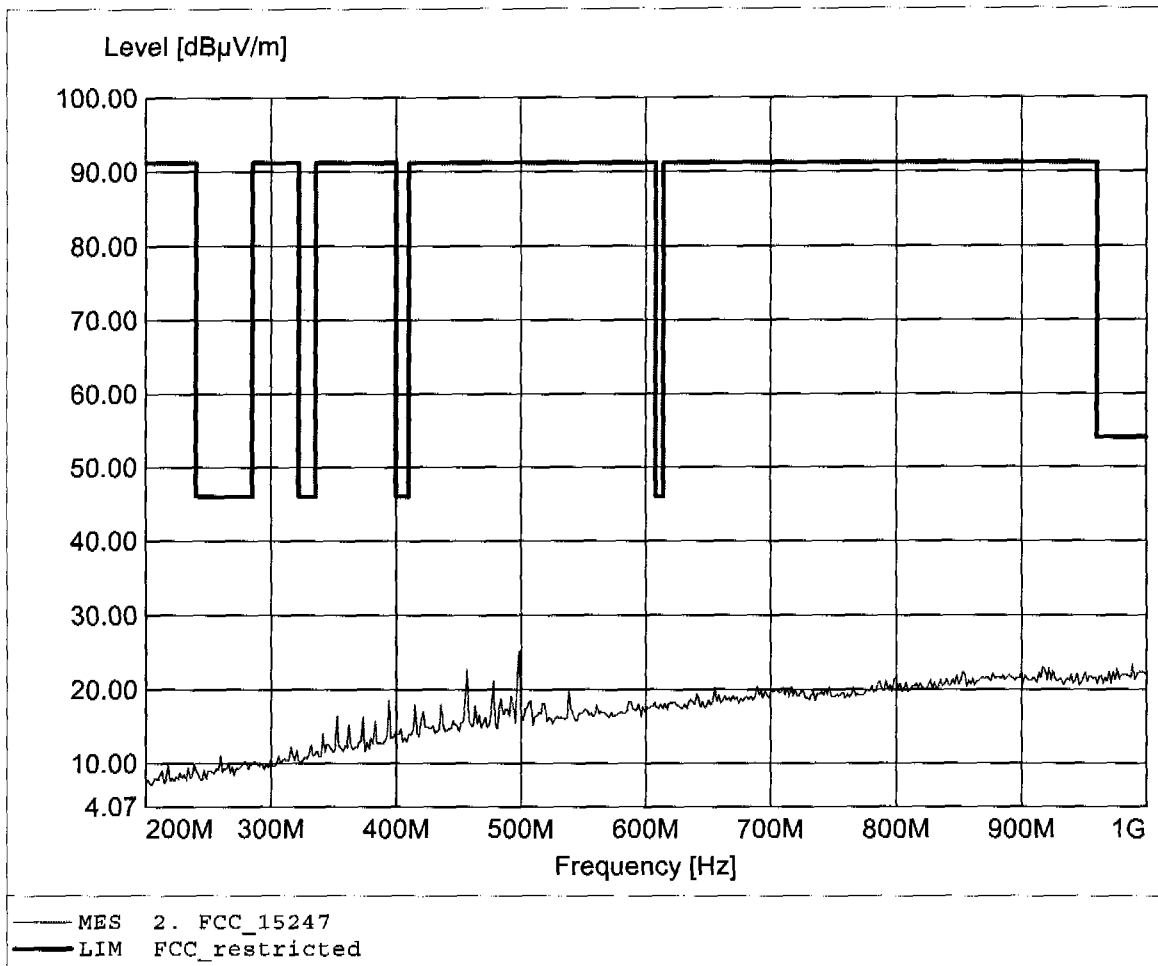
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 987.174MHz, Emax: 22.90dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

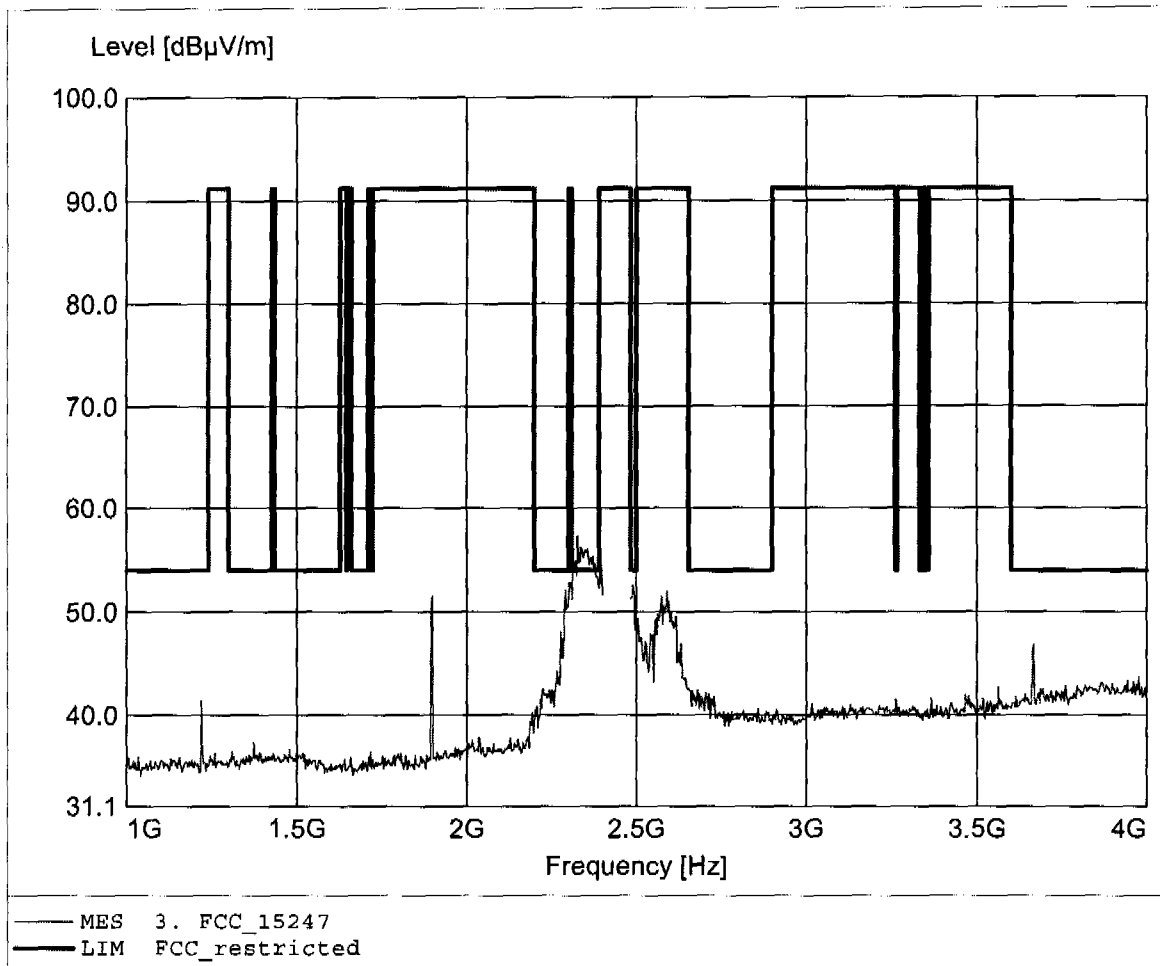
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 498.196MHz, Emax: 25.29dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

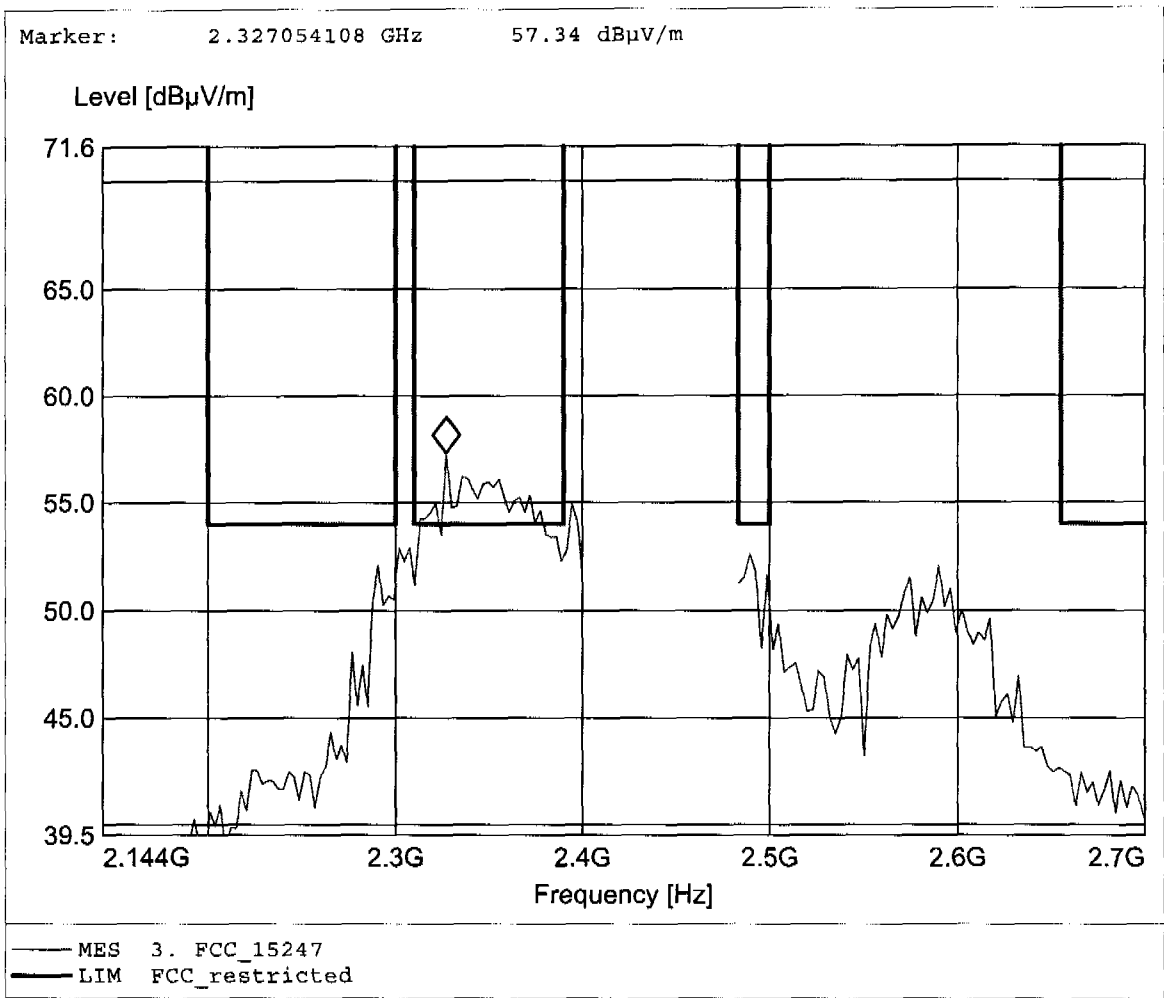
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.327GHz, Emax: 57.34dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

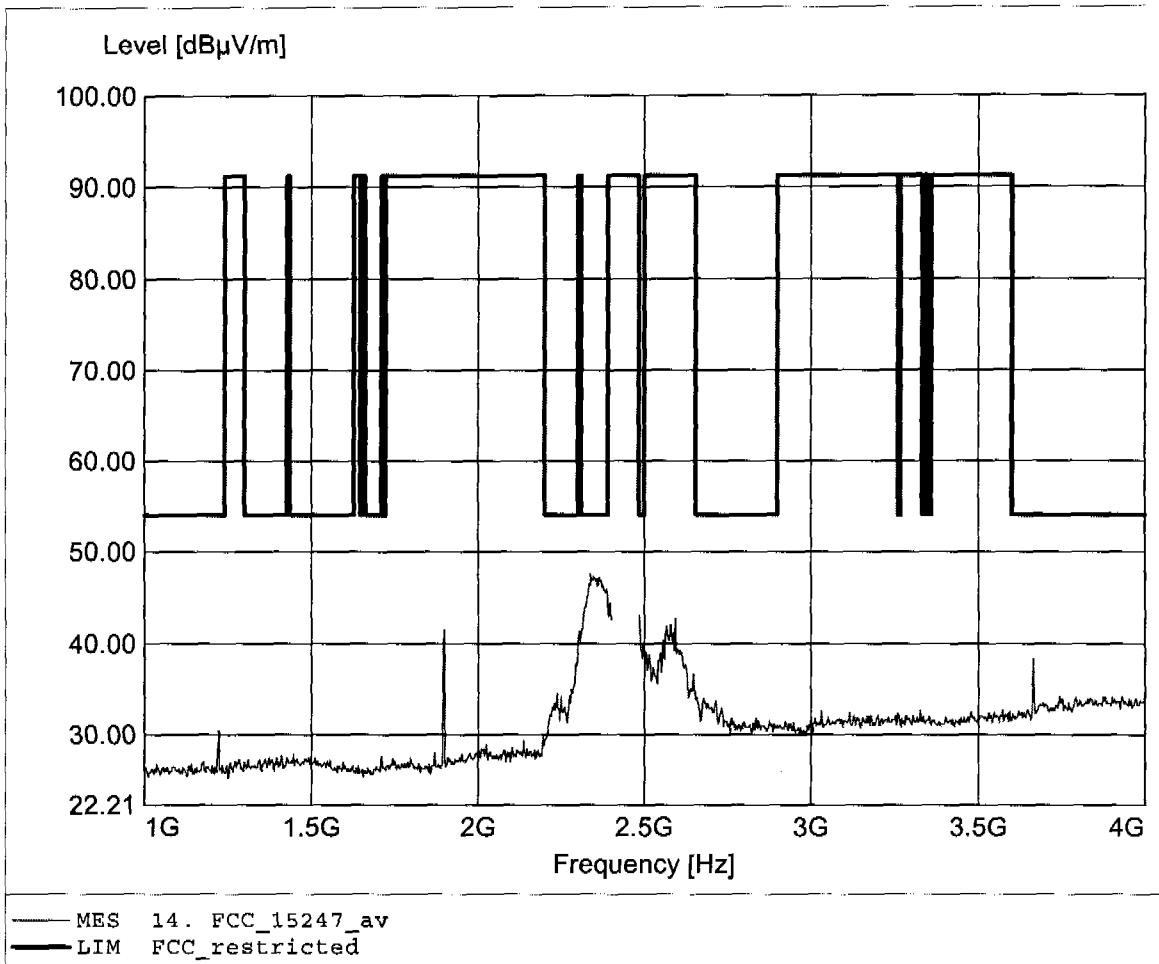
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.327GHz, Emax: 57.34dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

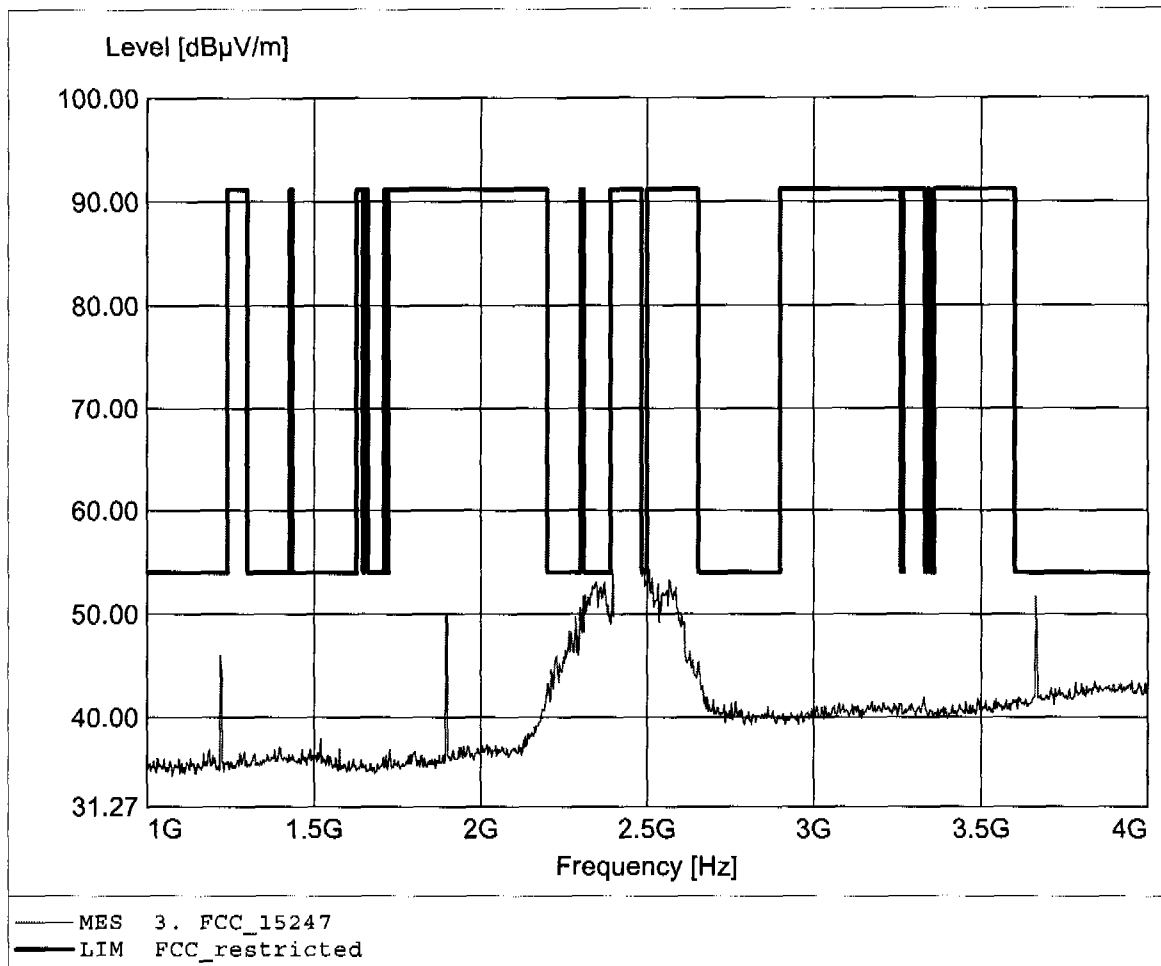
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.338GHz, Emax: 47.58dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

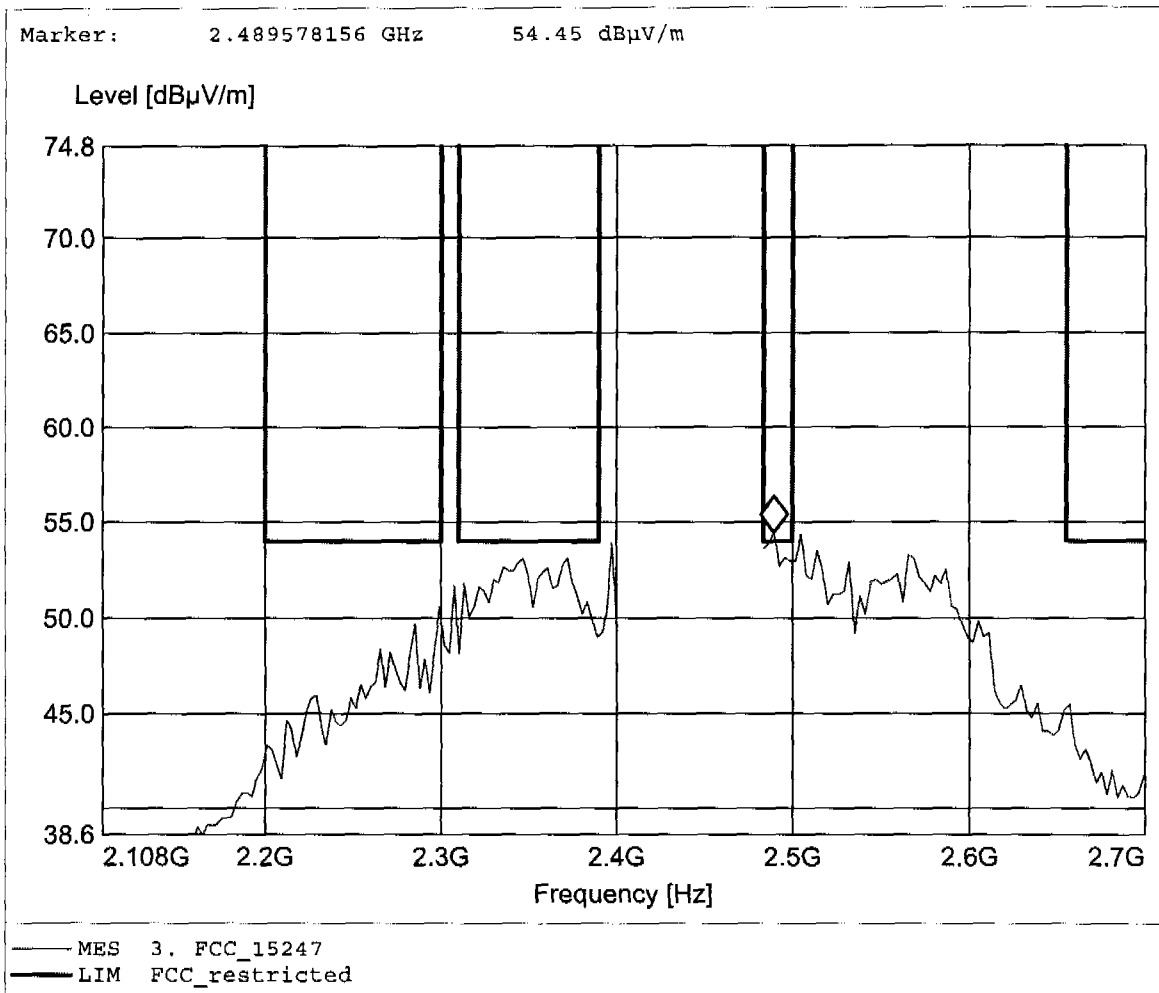
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.490GHz, Emax: 54.45dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

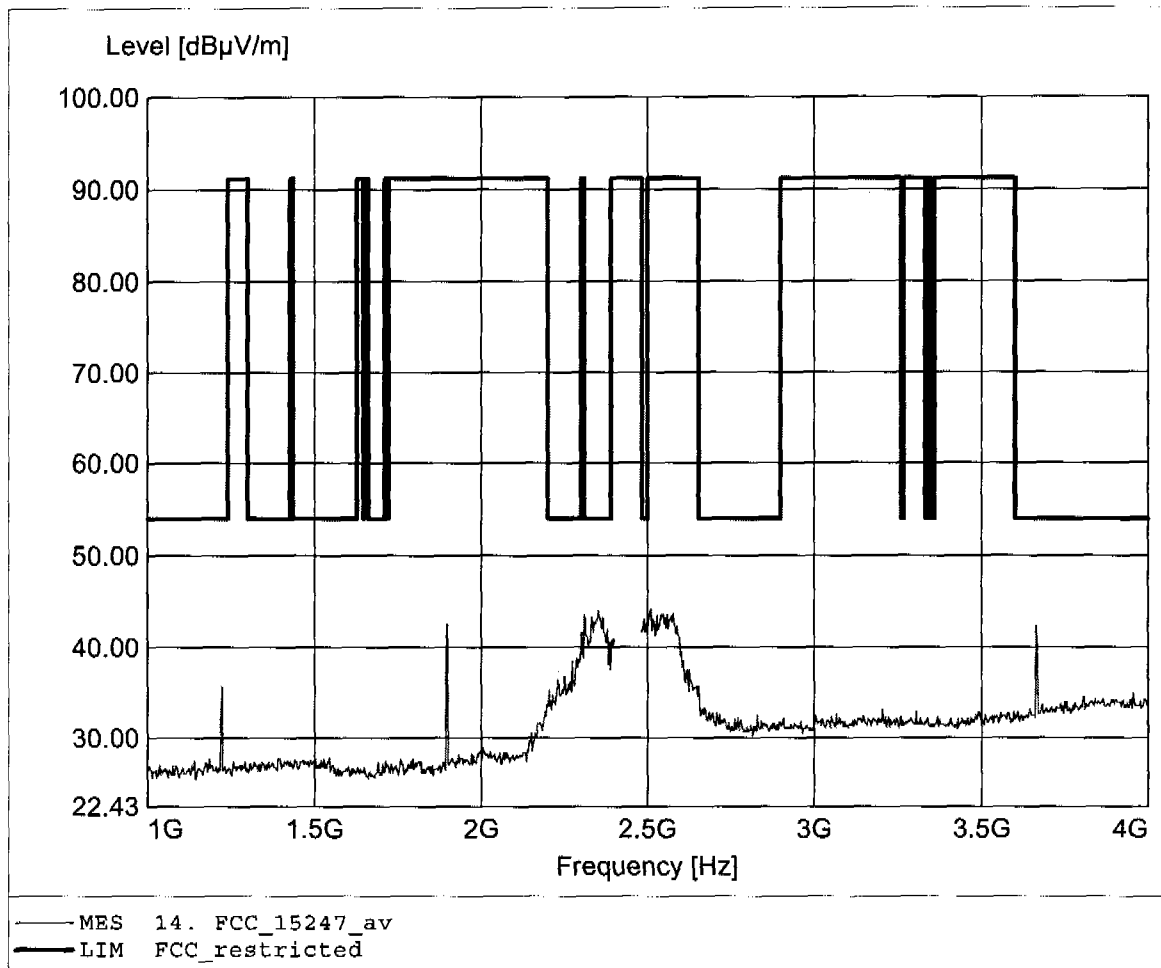
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.490GHz, Emax: 54.45dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

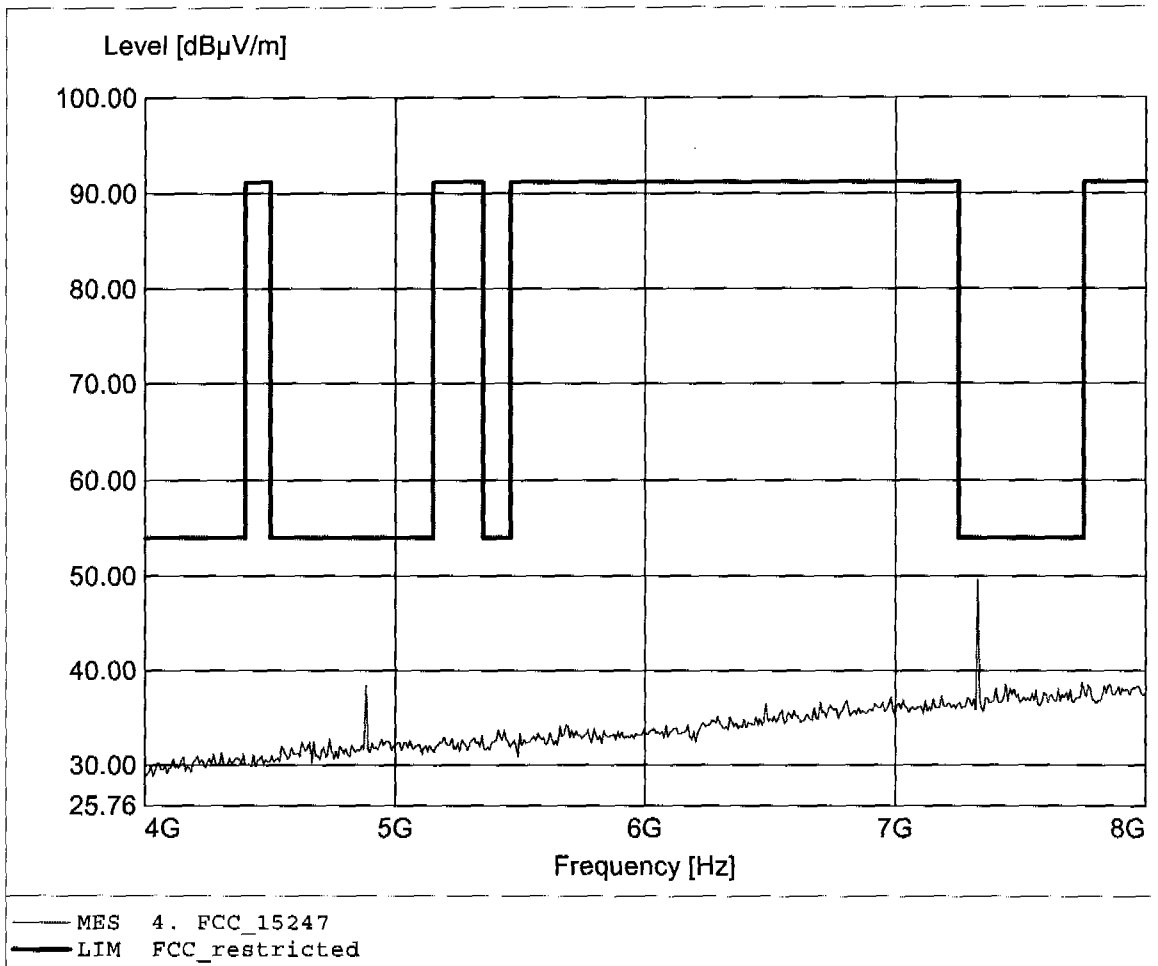
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.511GHz, Emax: 44.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

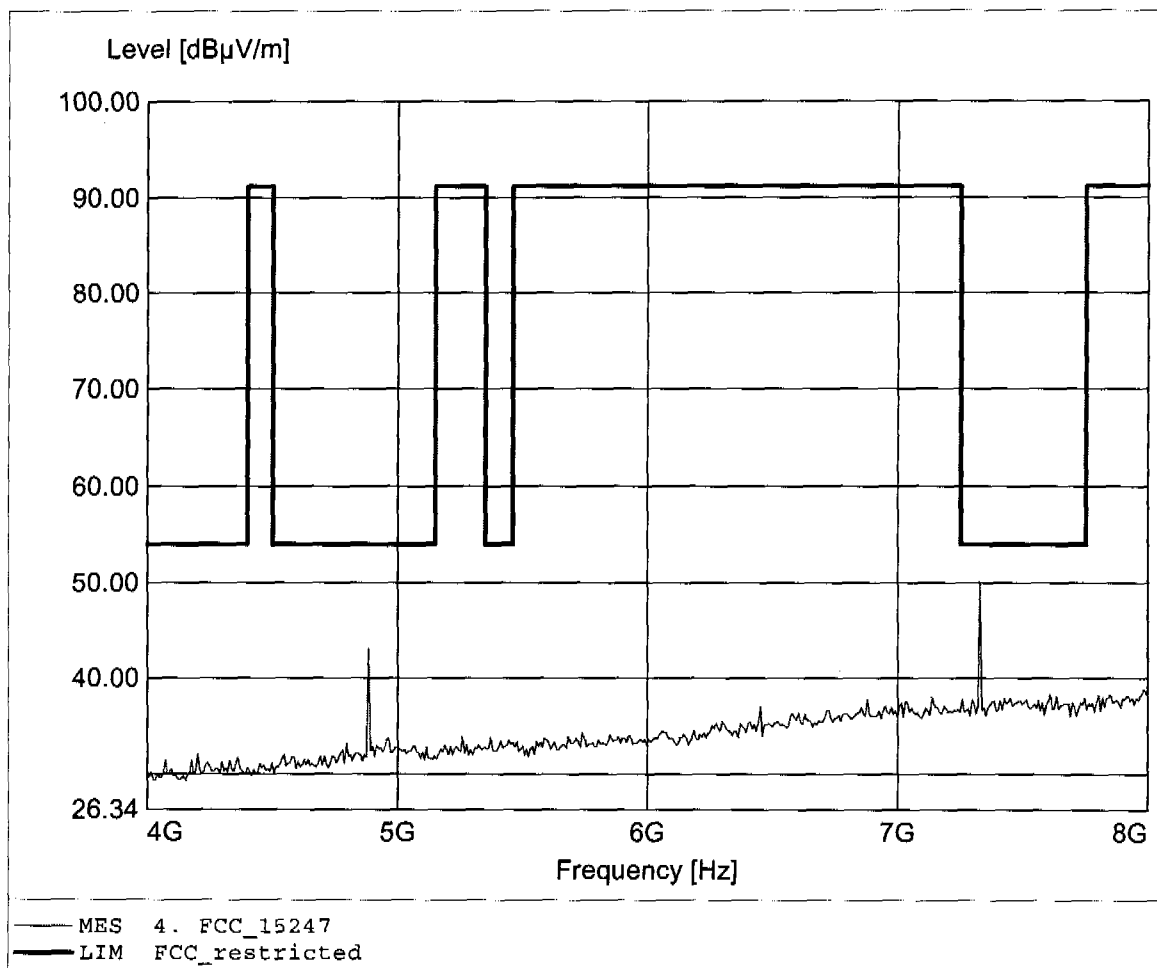
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.327GHz, Emax: 49.64dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

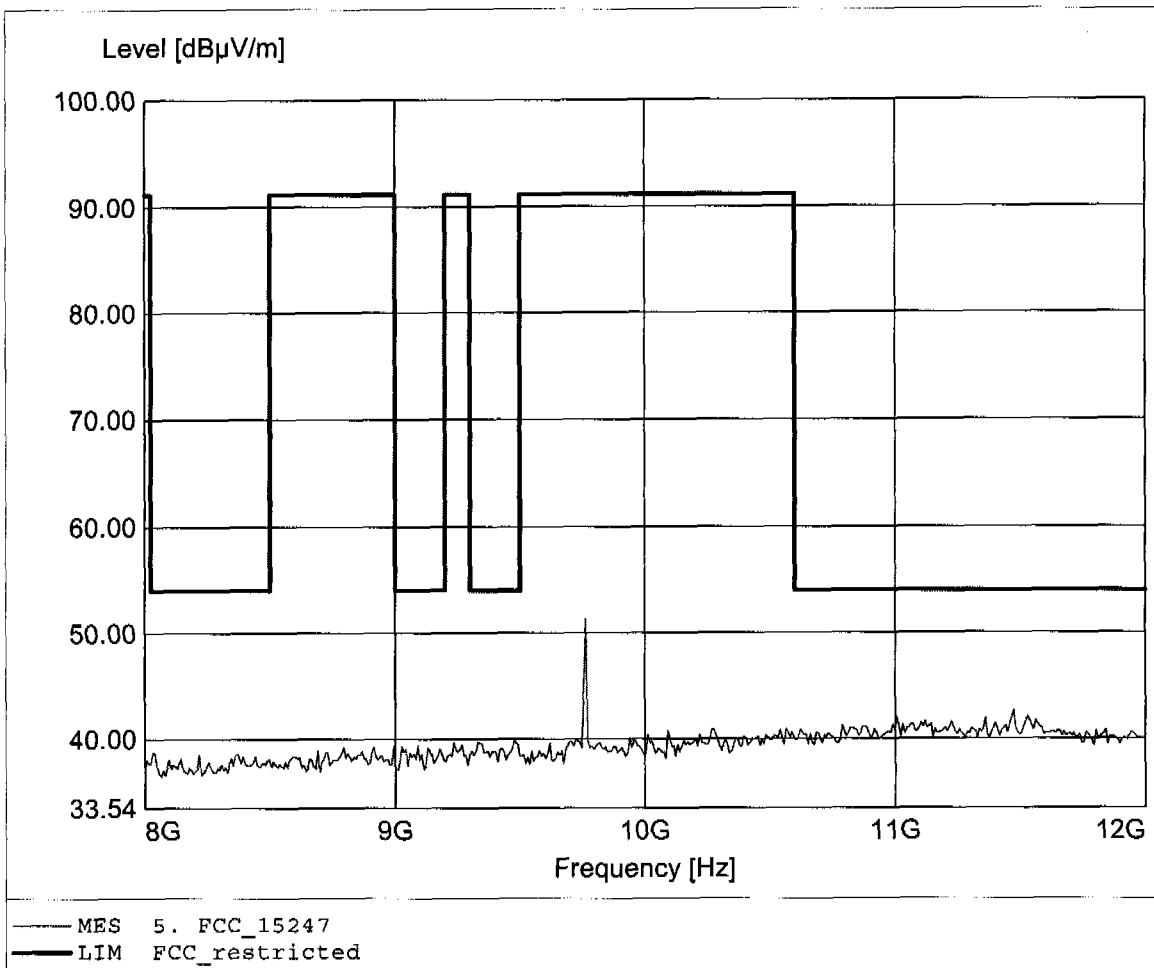
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.327GHz, Emax: 50.15dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

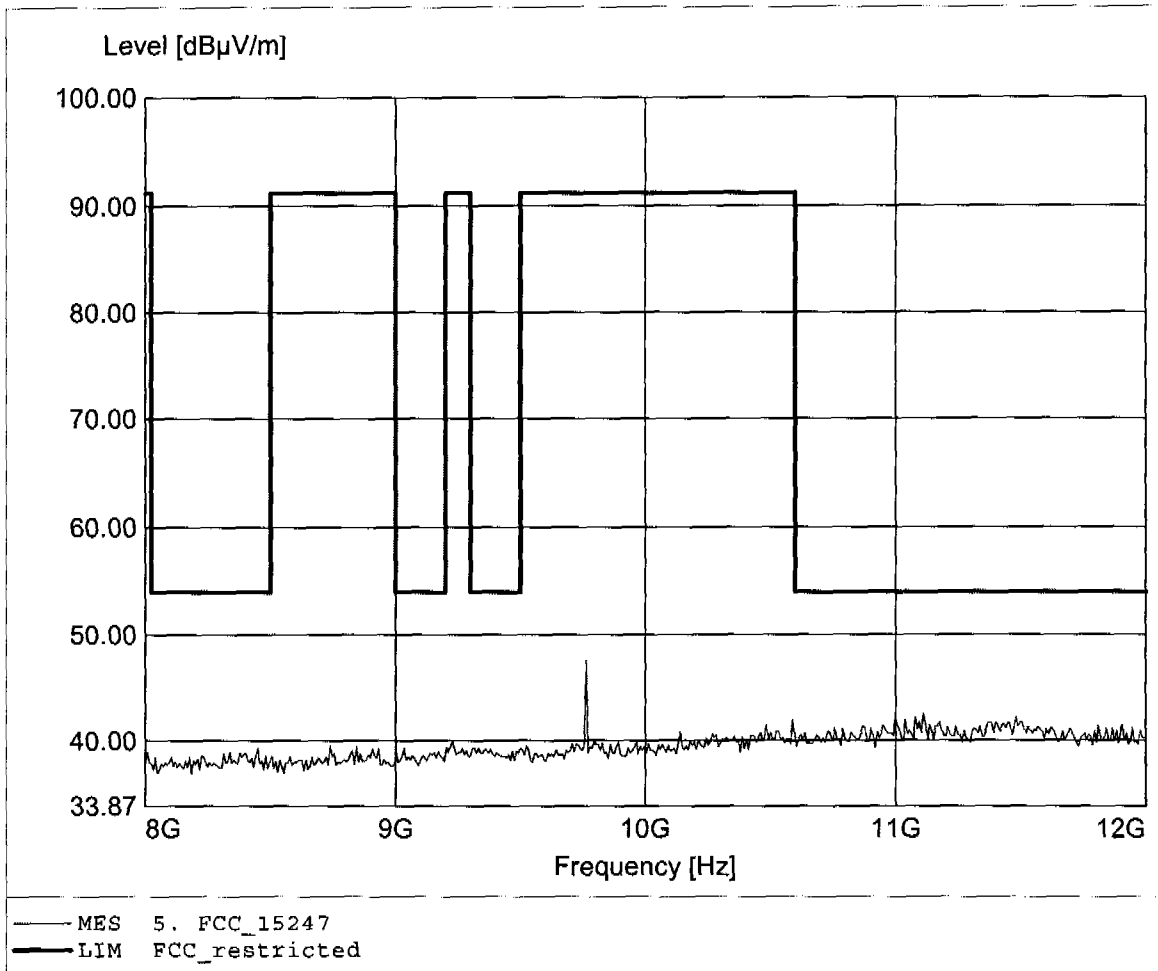
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.764GHz, Emax: 51.35dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

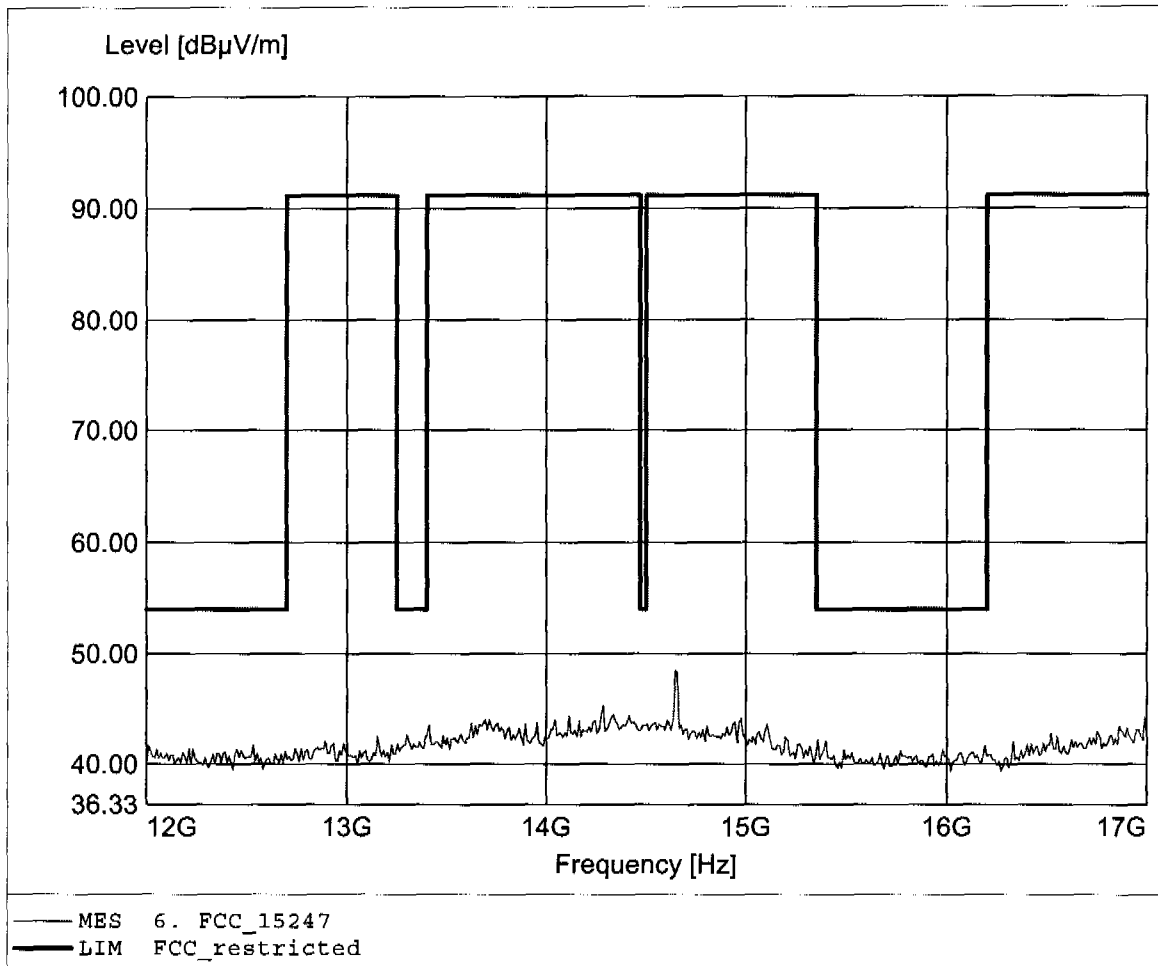
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.764GHz, Emax: 47.62dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

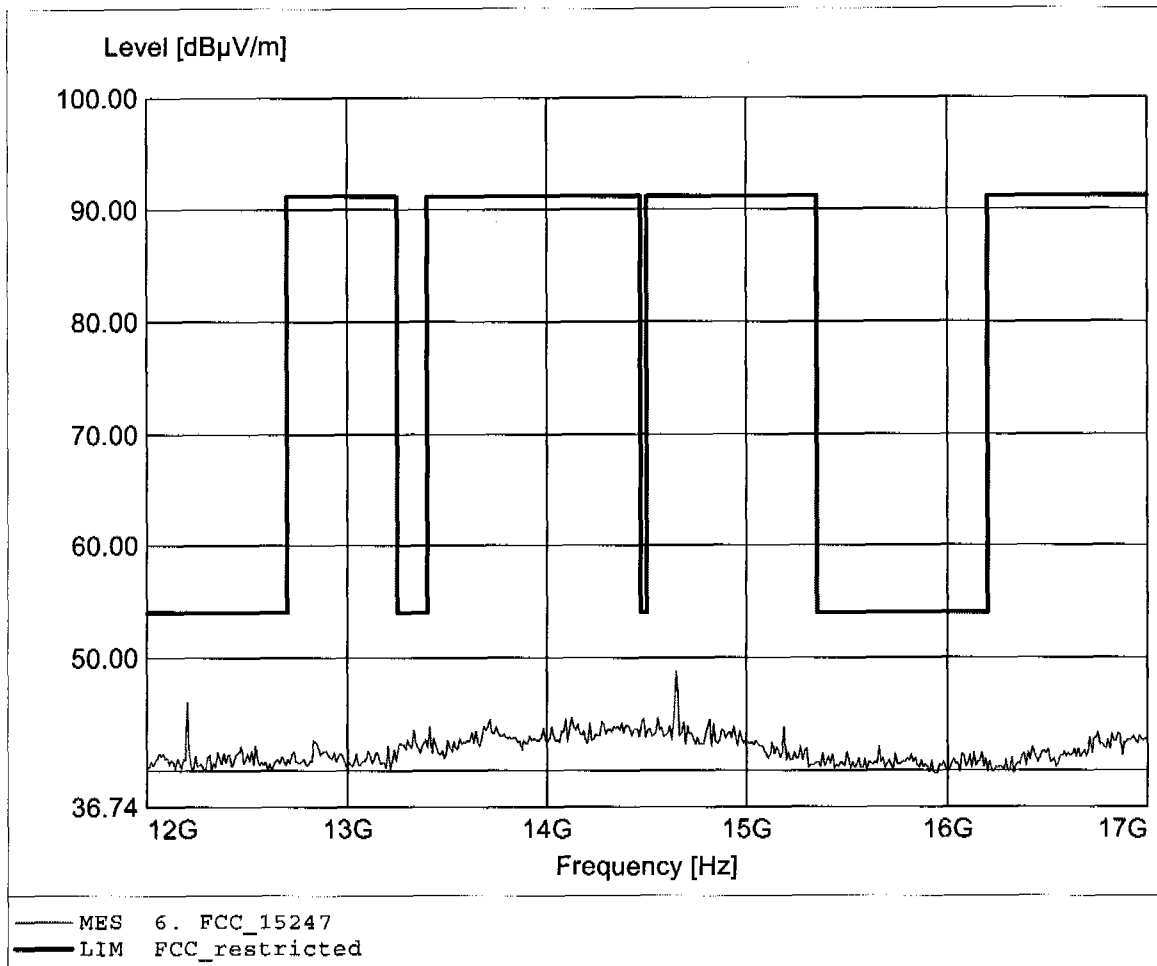
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.645GHz, Emax: 48.58dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

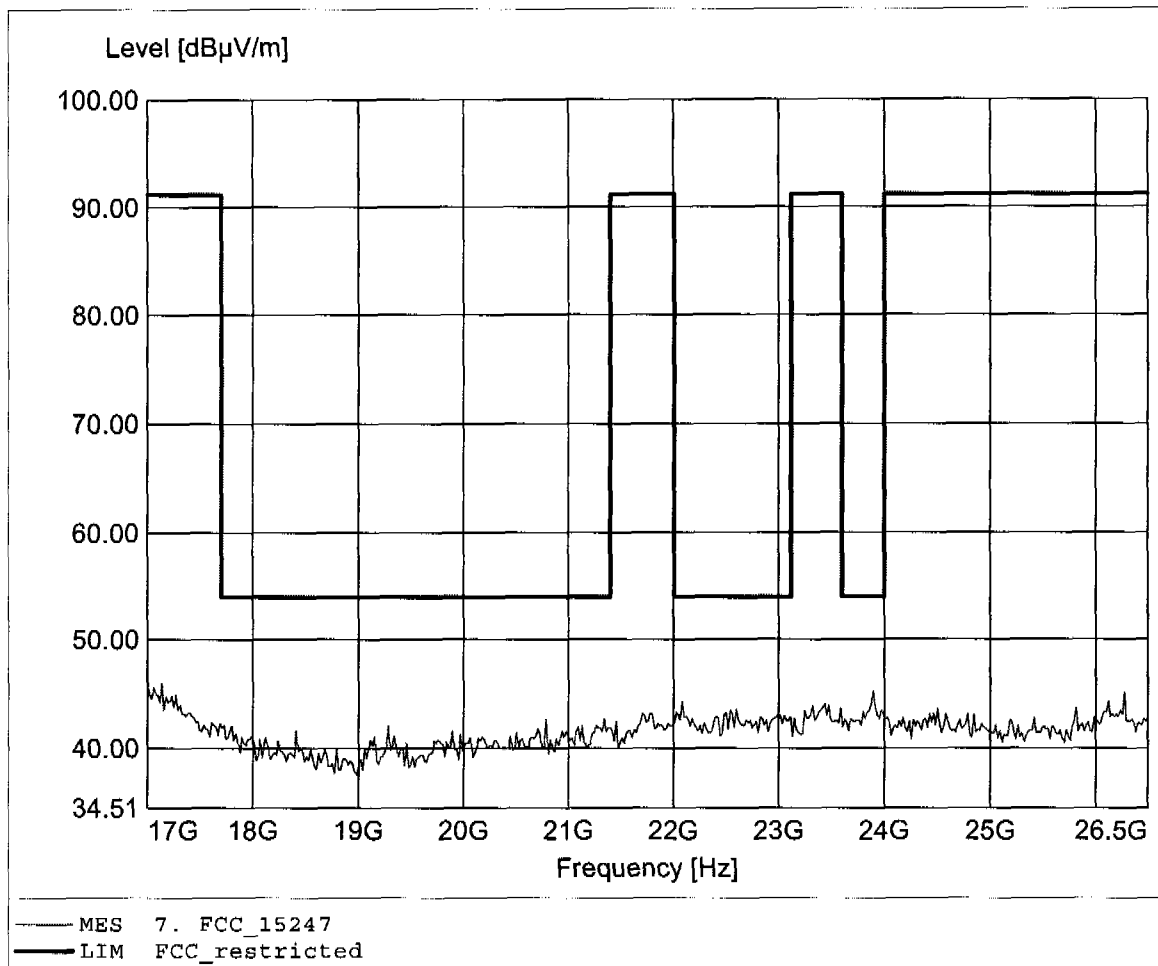
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.645GHz, Emax: 48.88dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

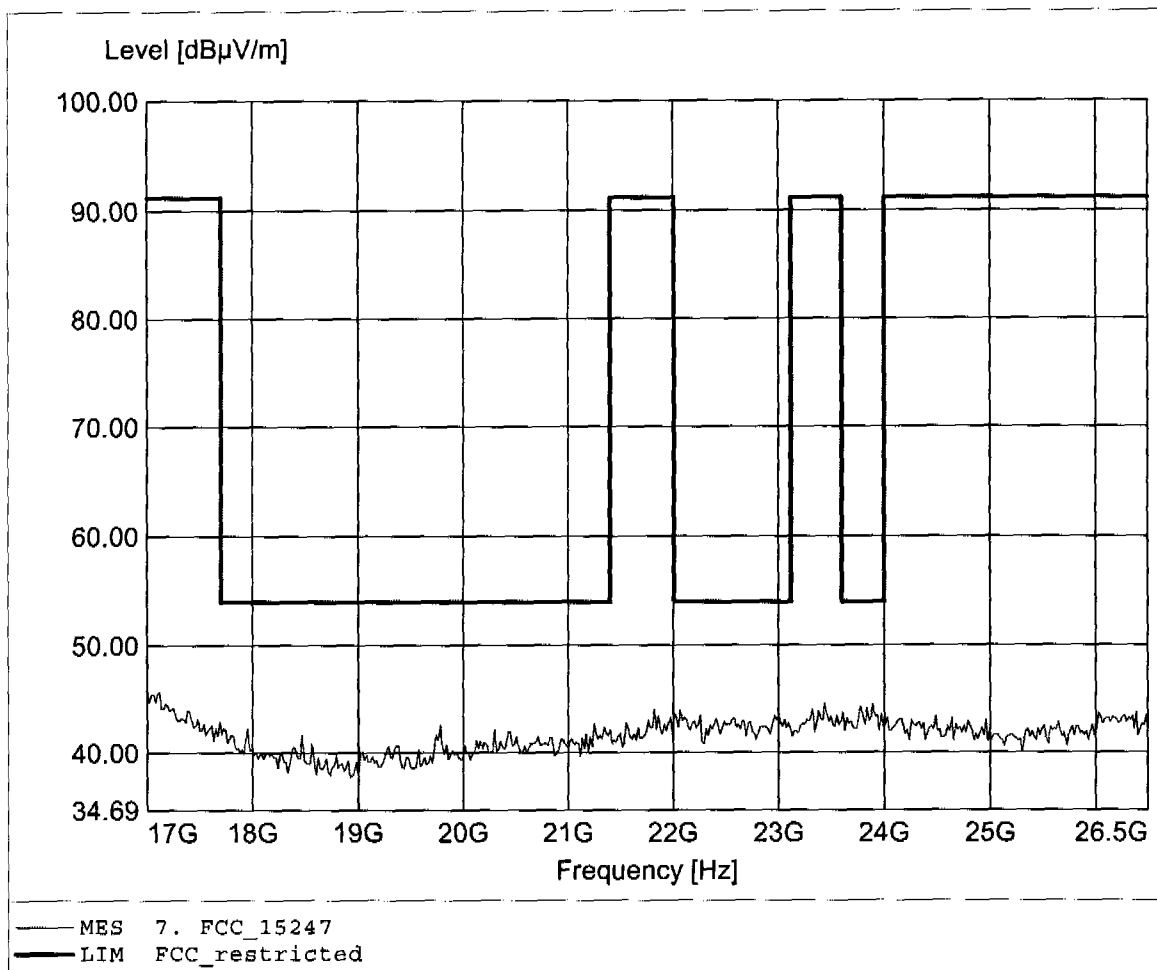
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.133GHz, Emax: 46.01dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

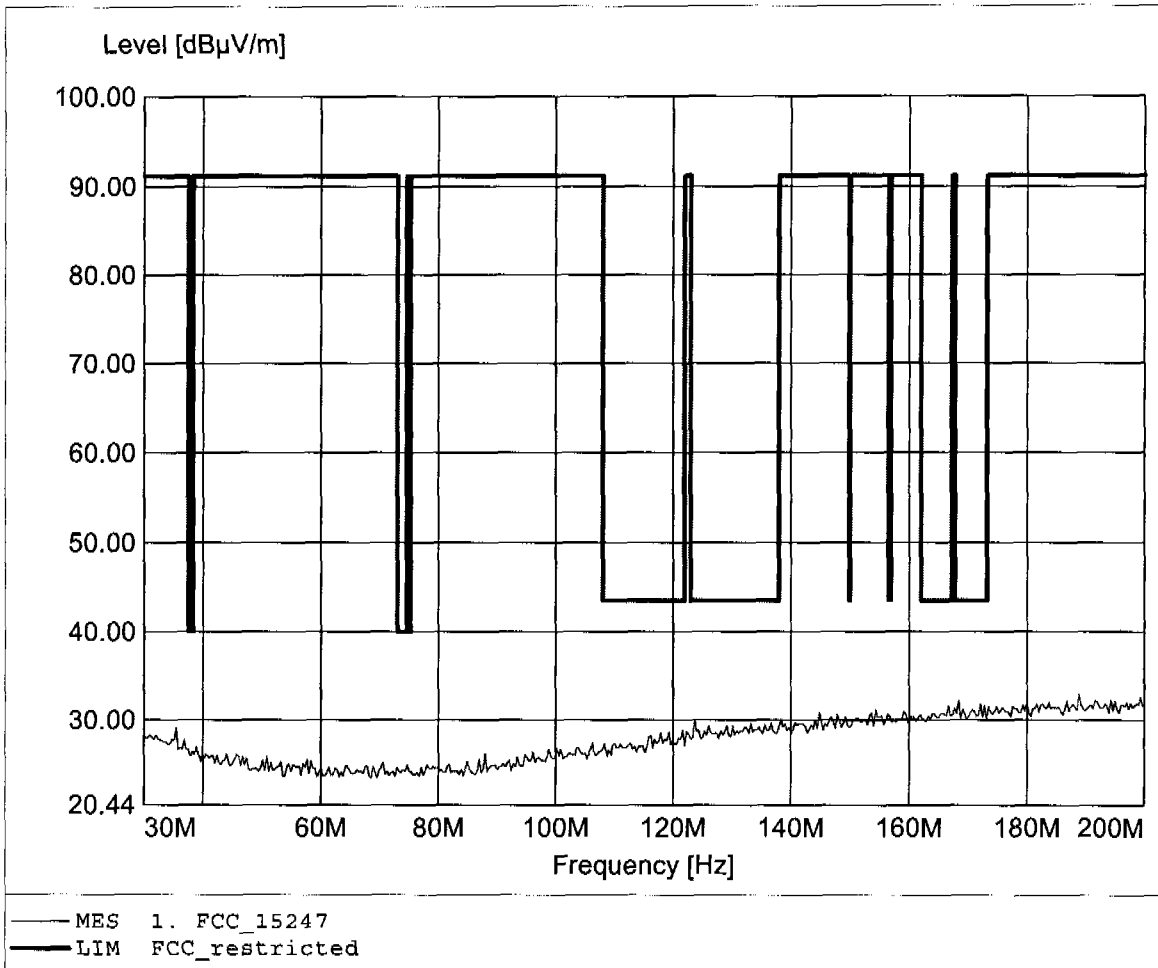
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.114GHz, Emax: 45.72dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

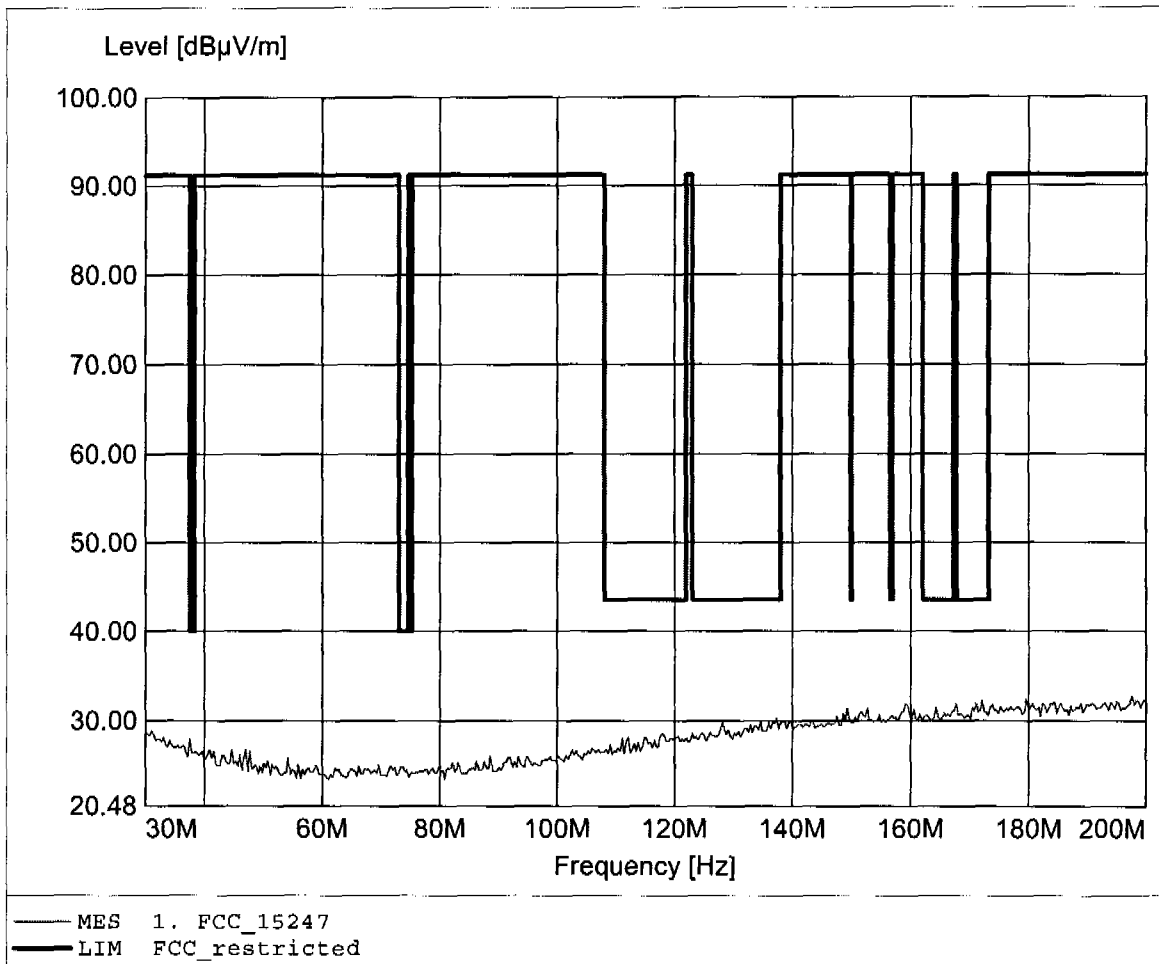
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 188.758MHz, Emax: 32.98dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

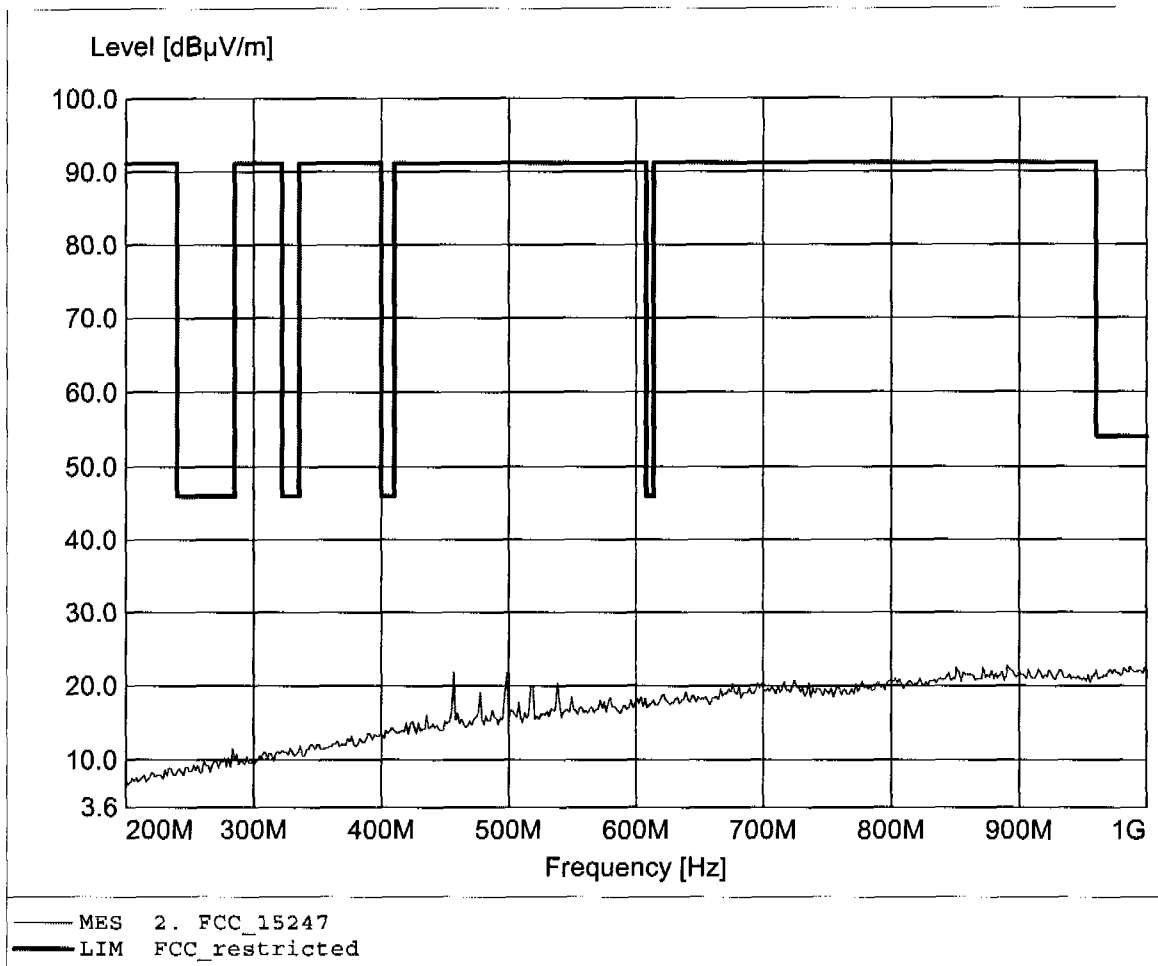
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.615MHz, Emax: 32.83dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

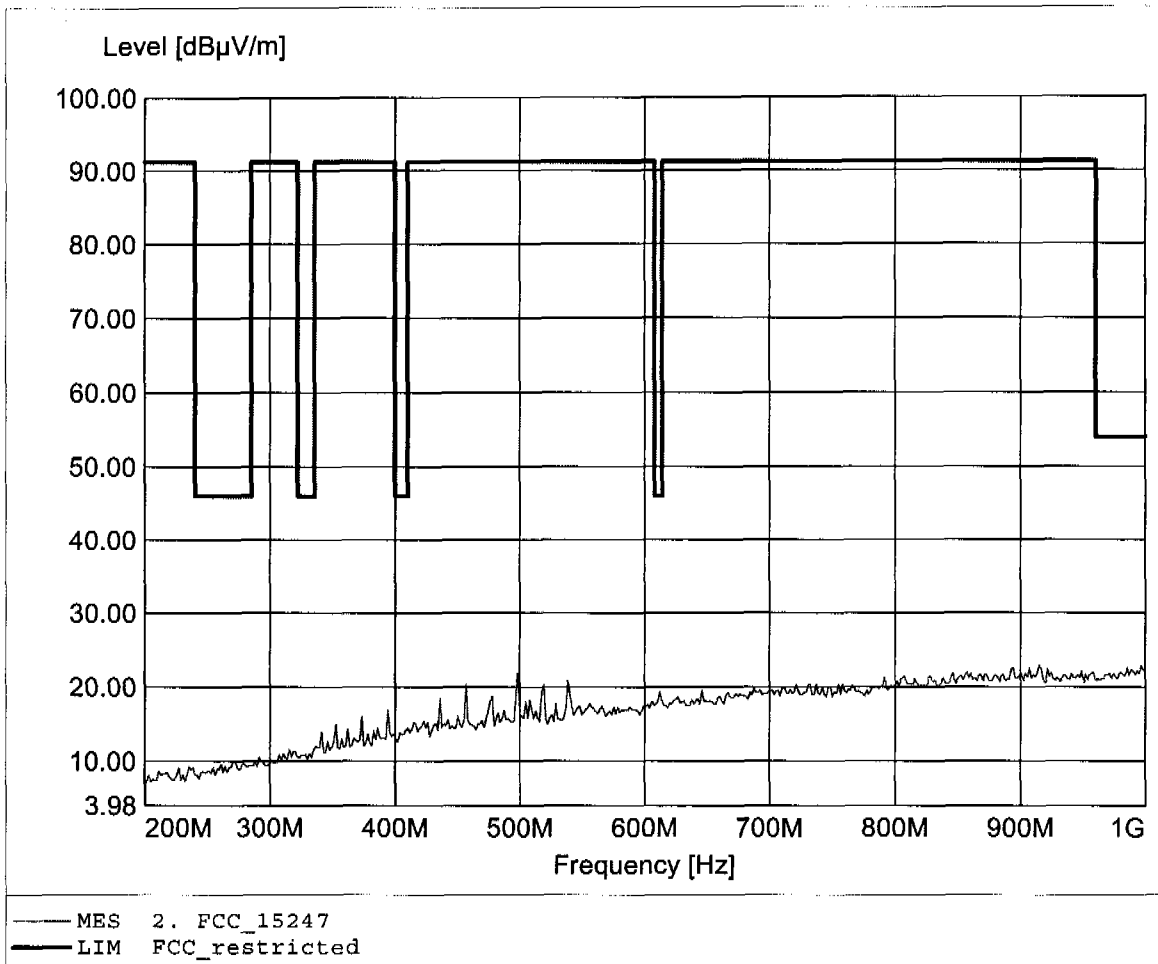
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 890.982MHz, Emax: 22.83dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

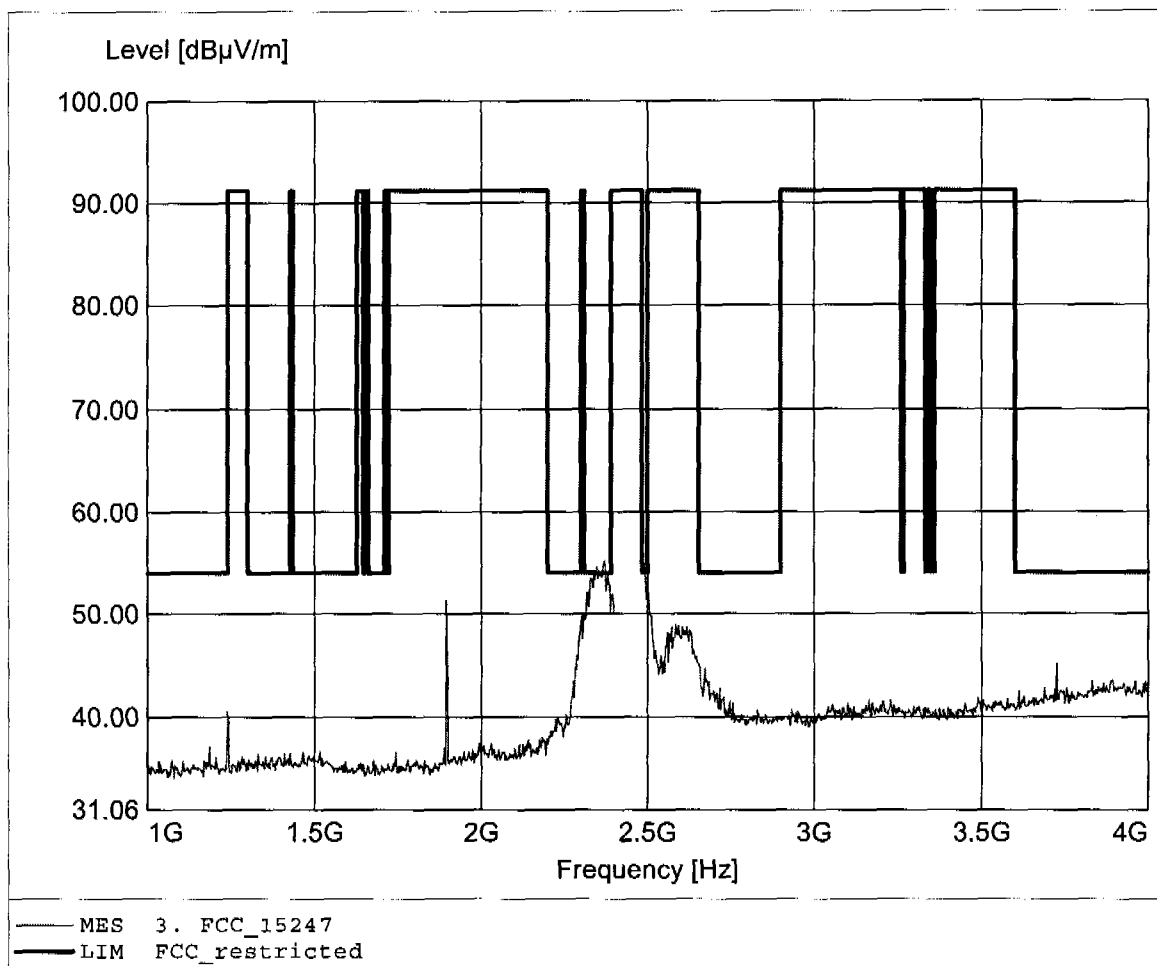
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 915.030MHz, Emax: 22.94dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

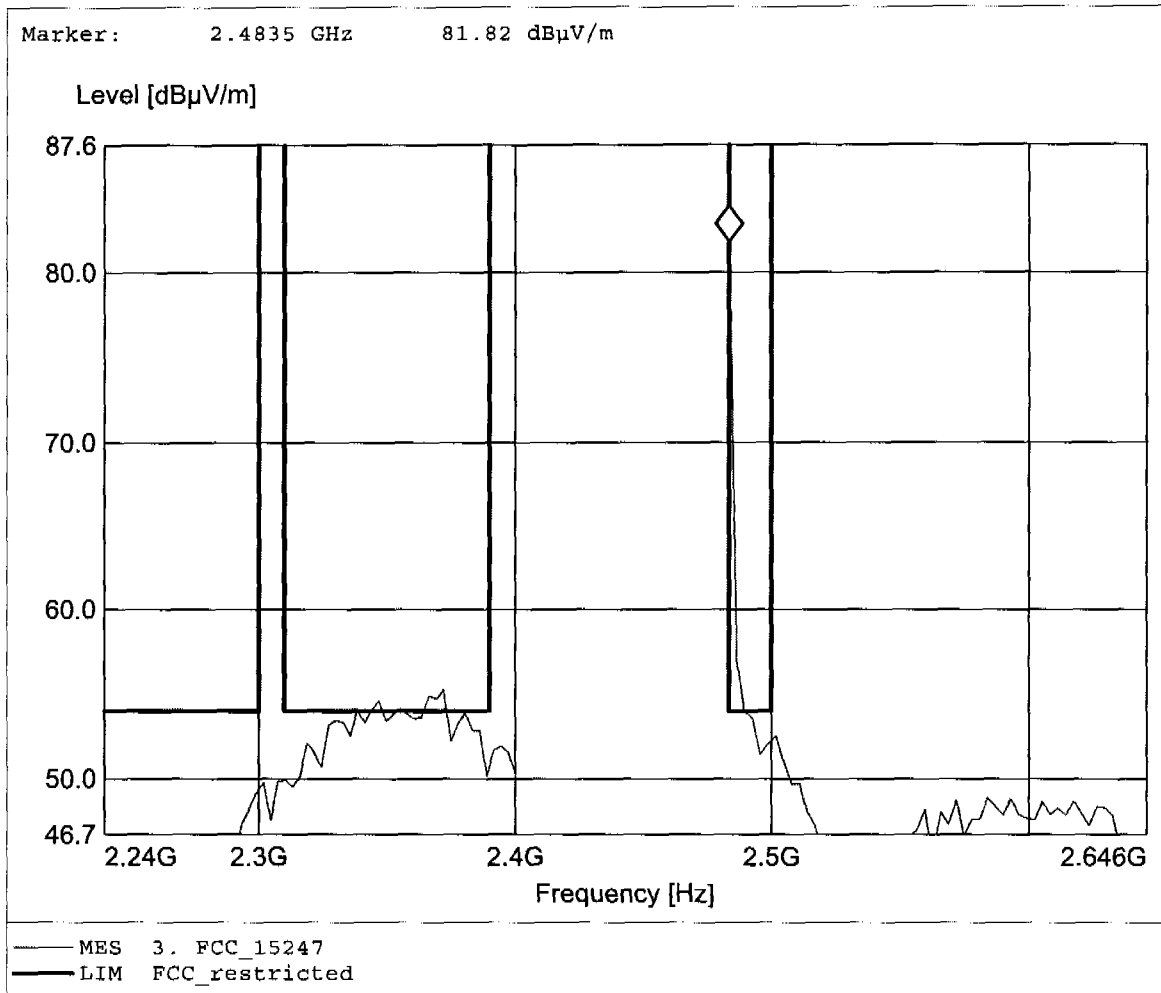
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 81.82dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

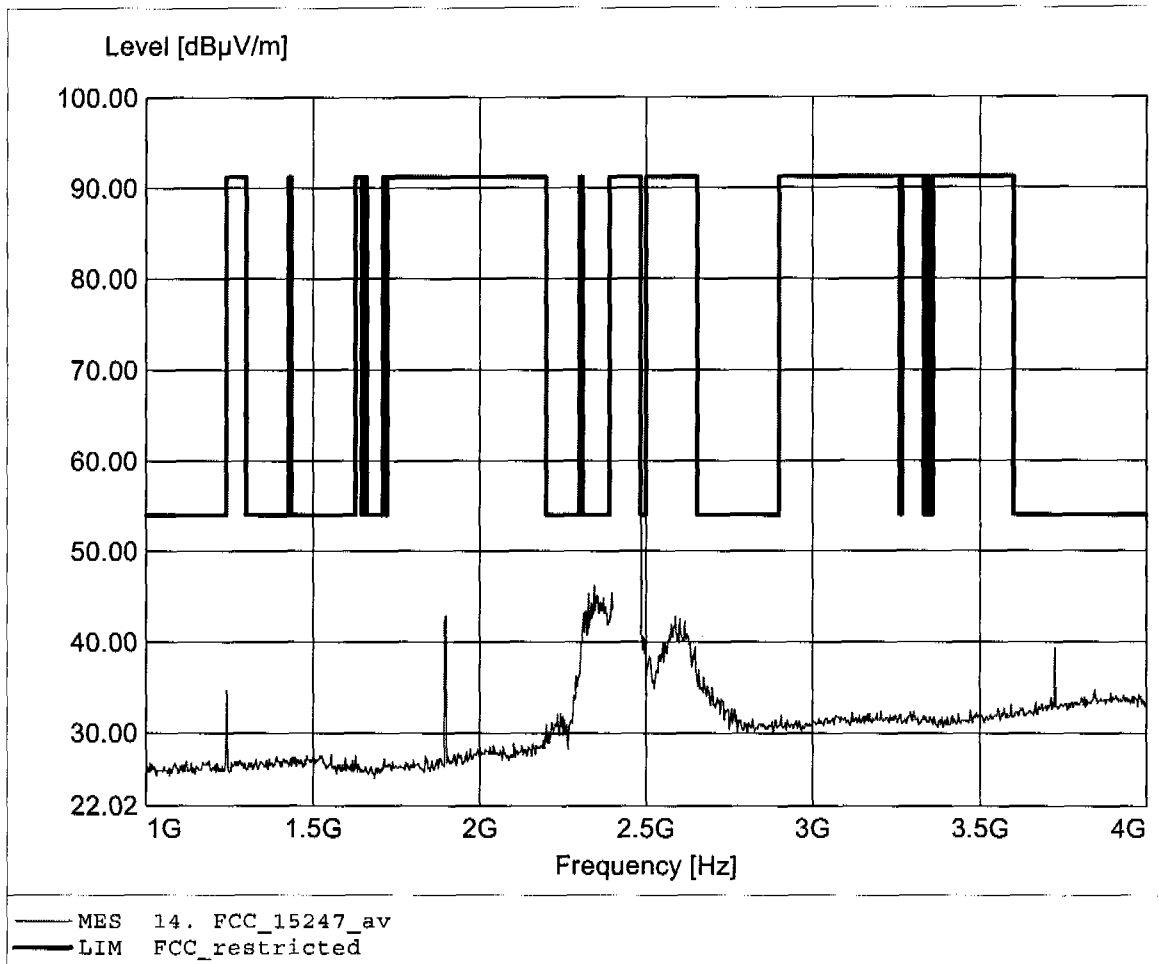
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 81.82dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

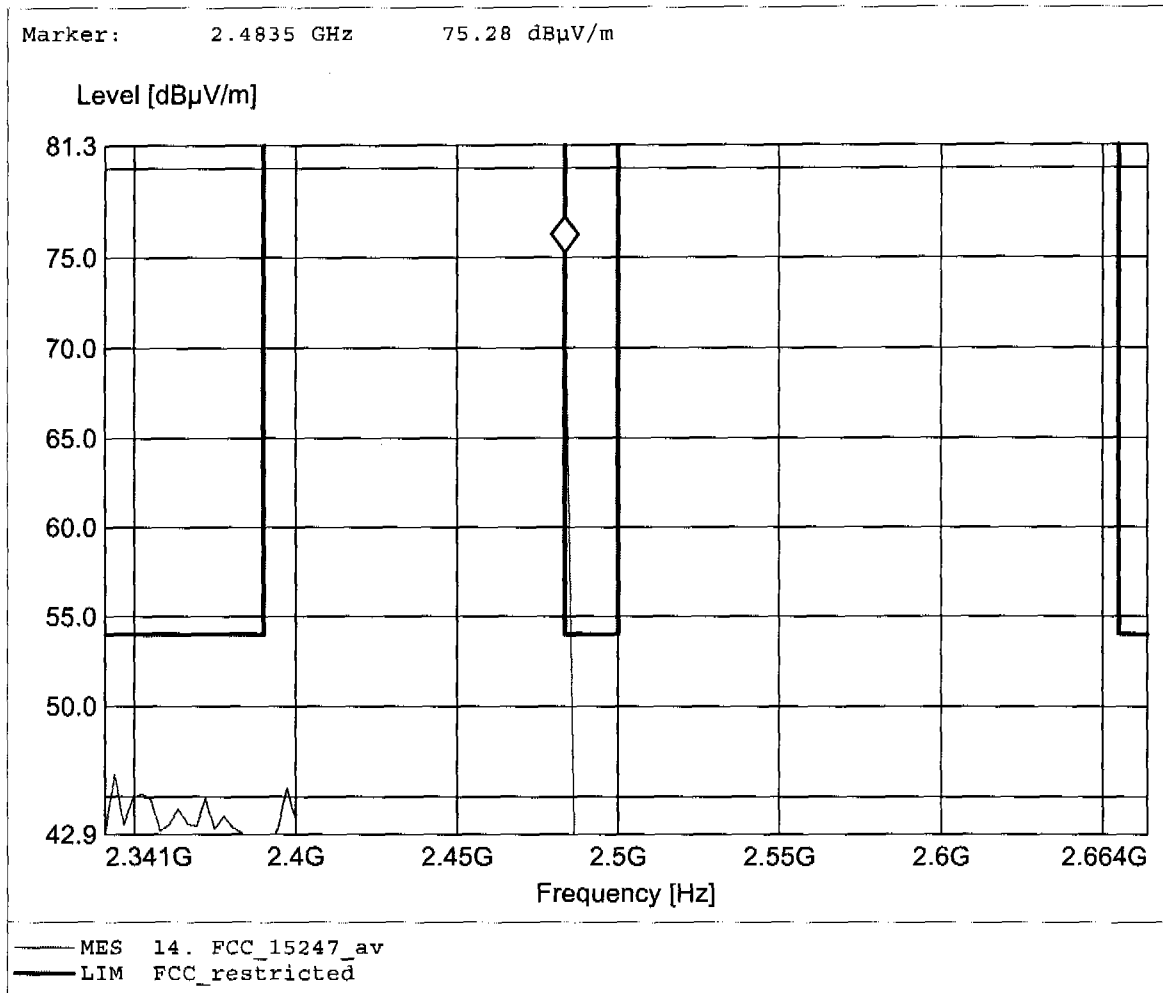
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 75.28dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

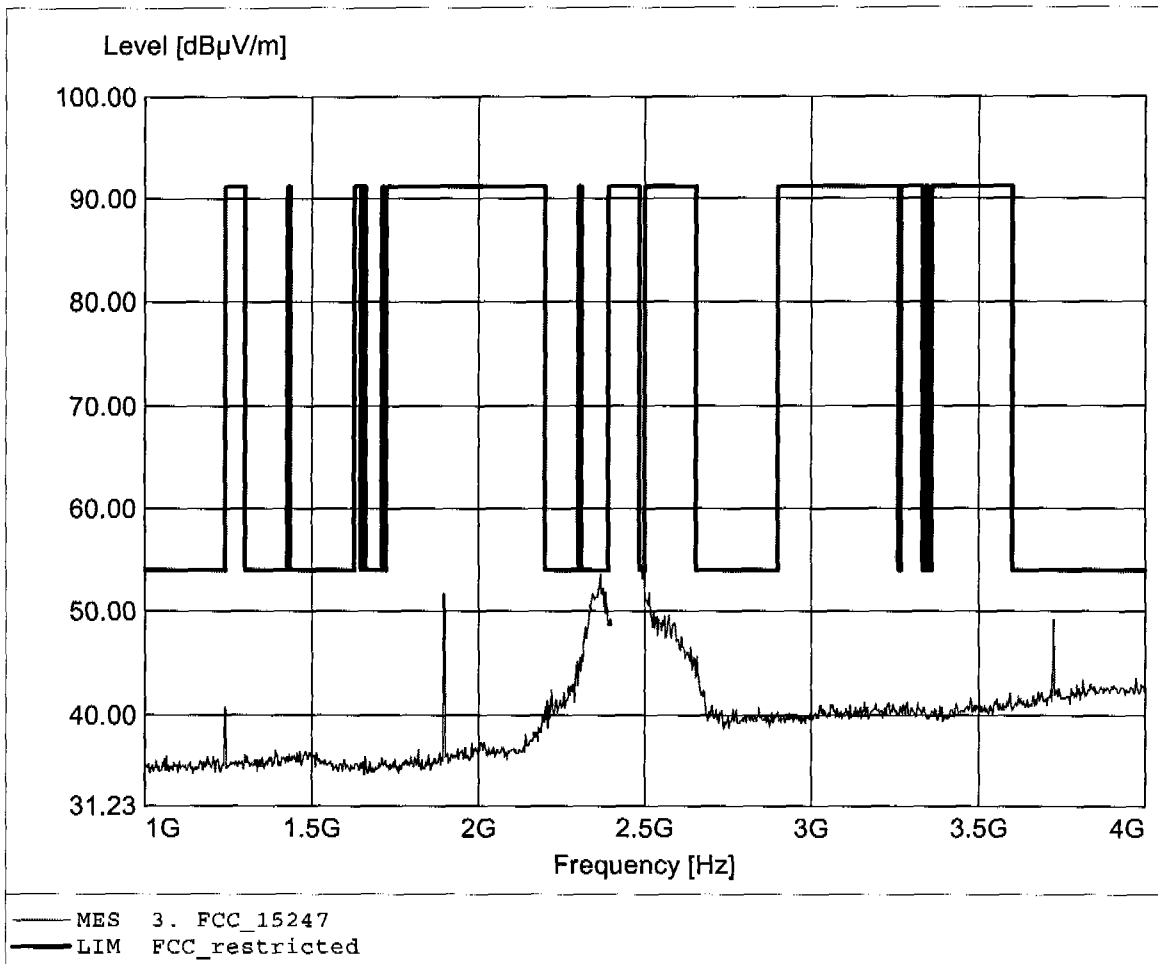
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 75.28dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

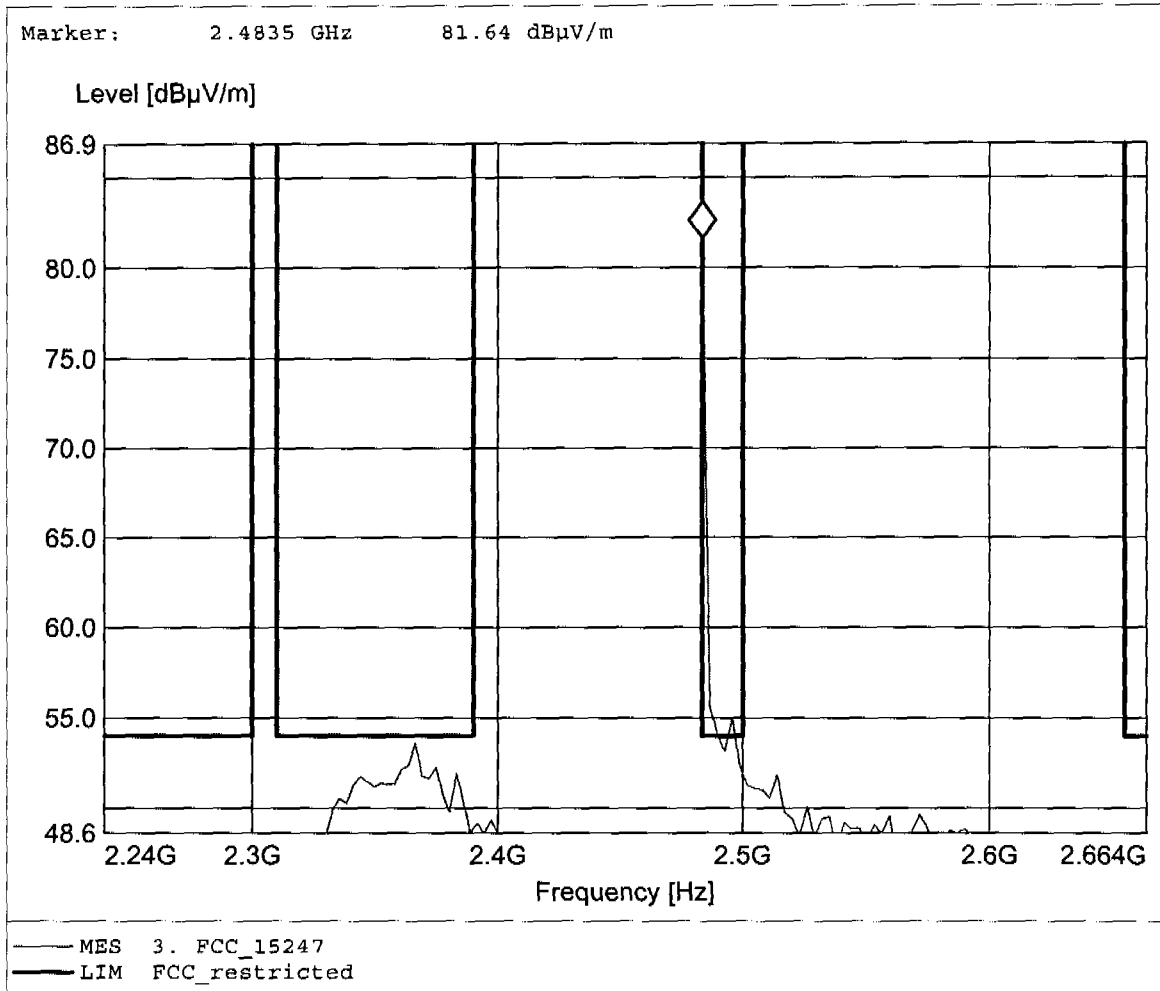
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 81.64dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

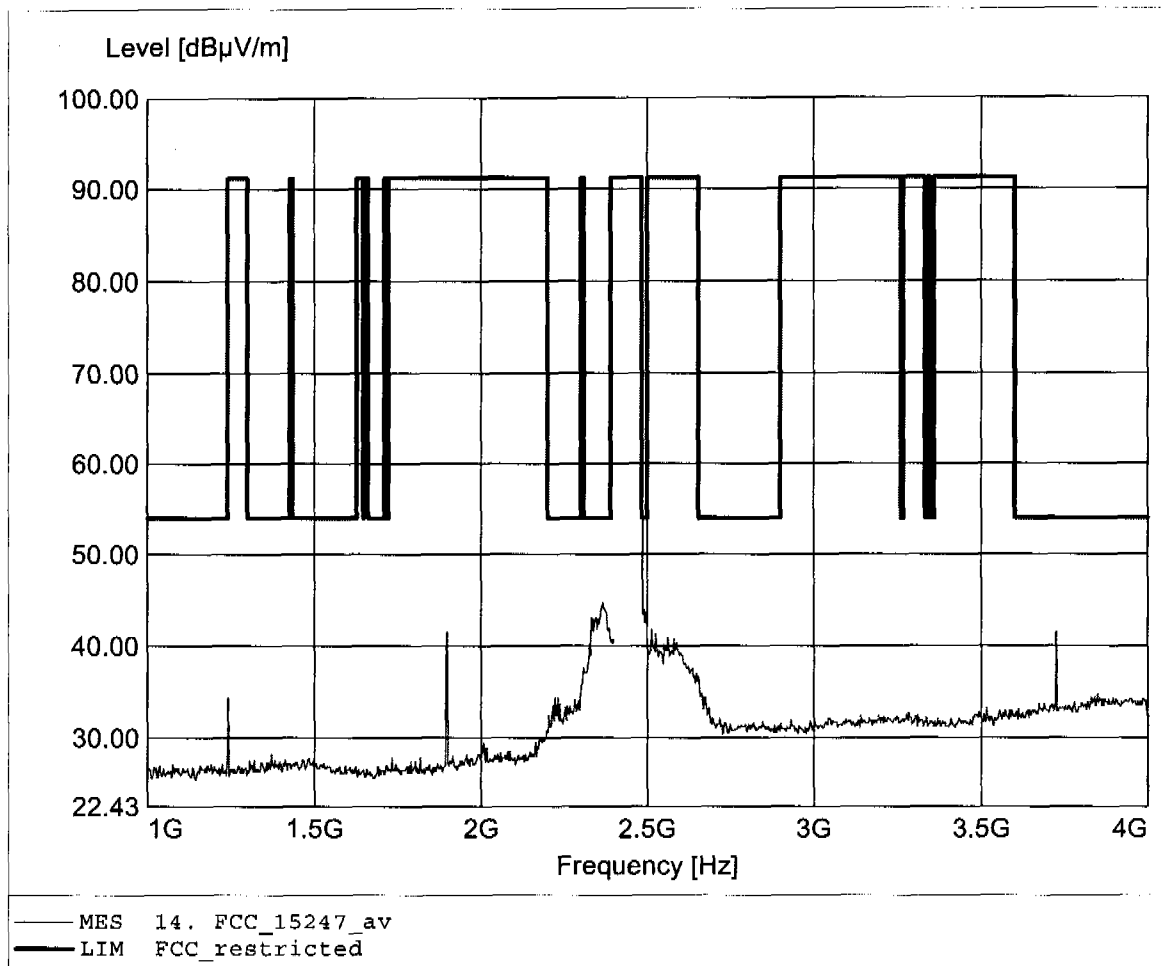
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 81.64dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

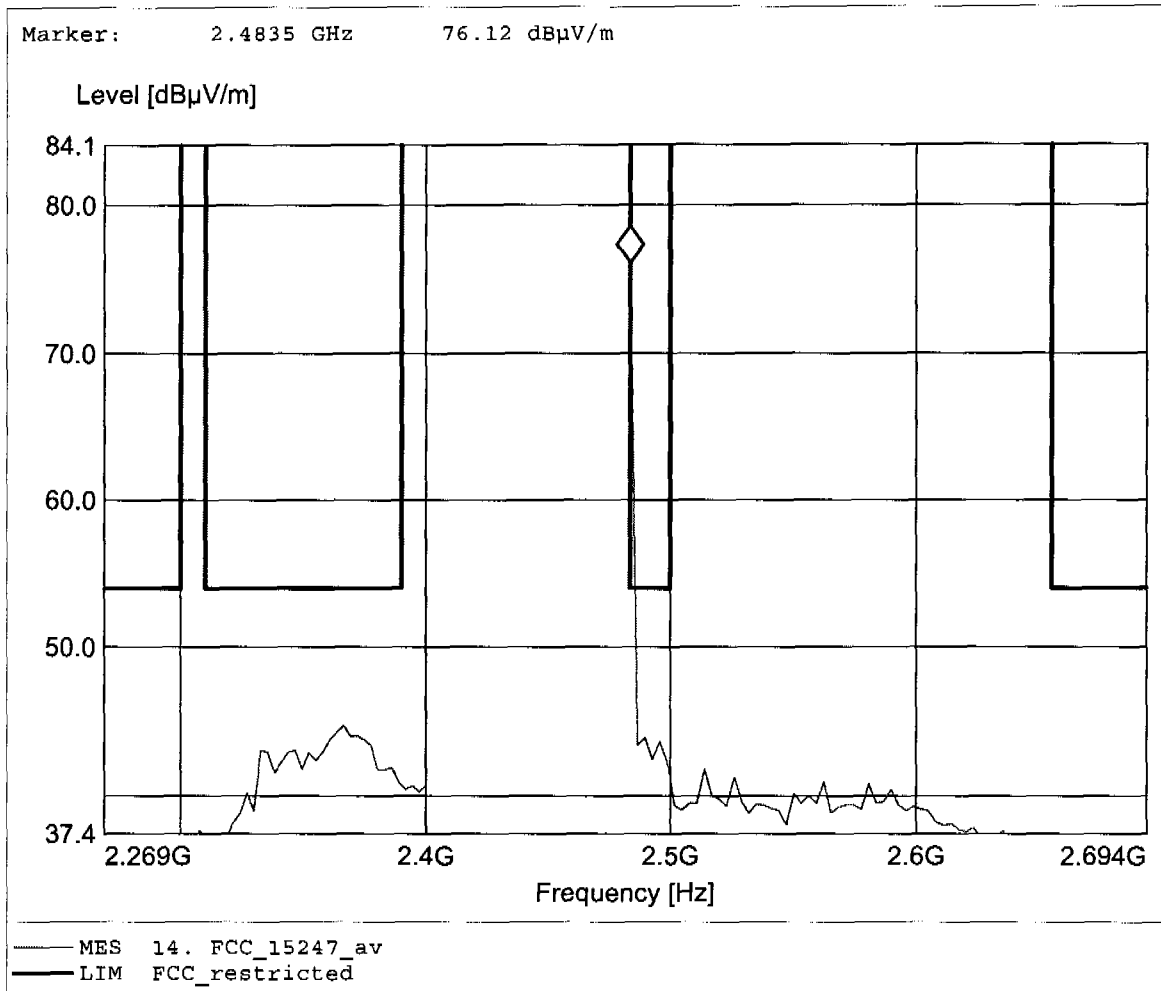
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 76.12dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

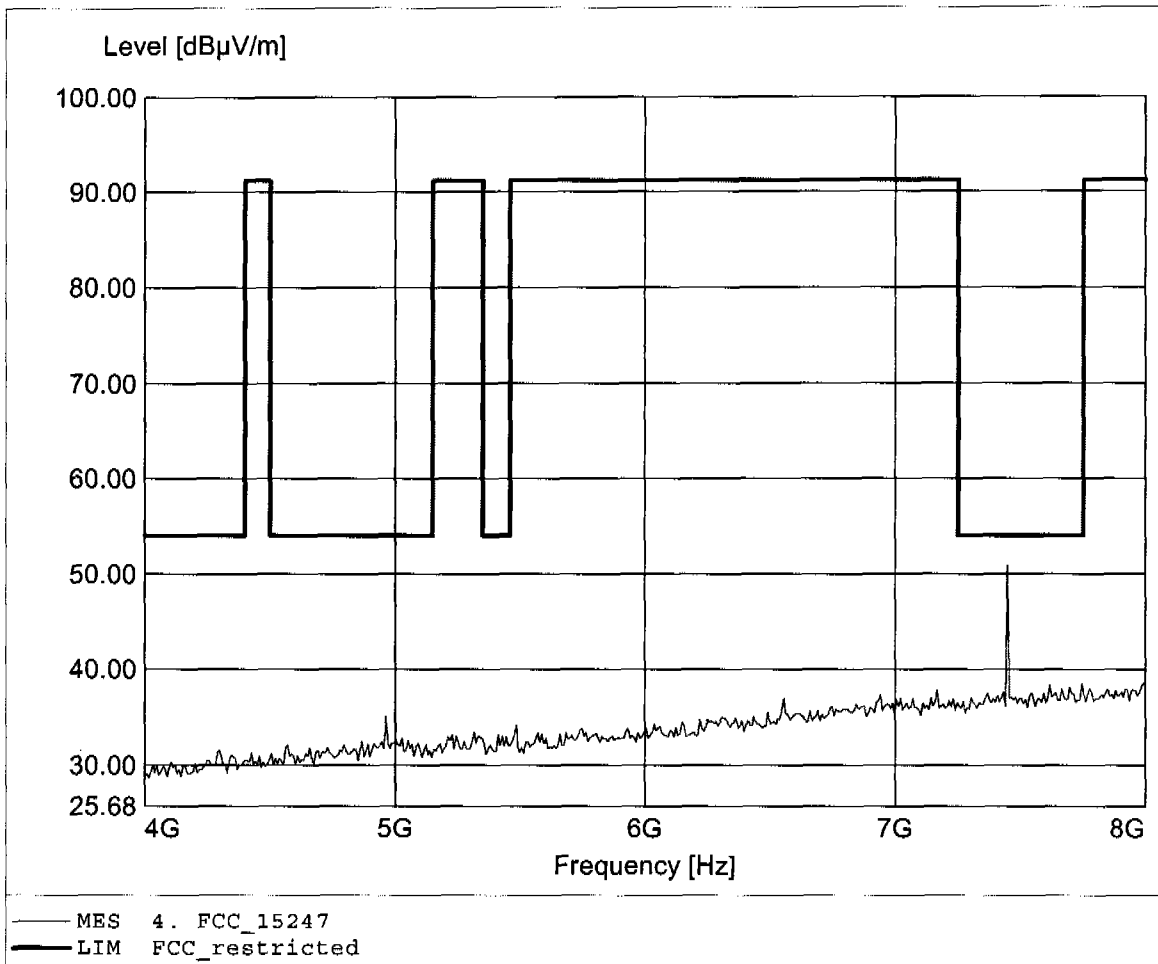
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 76.12dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

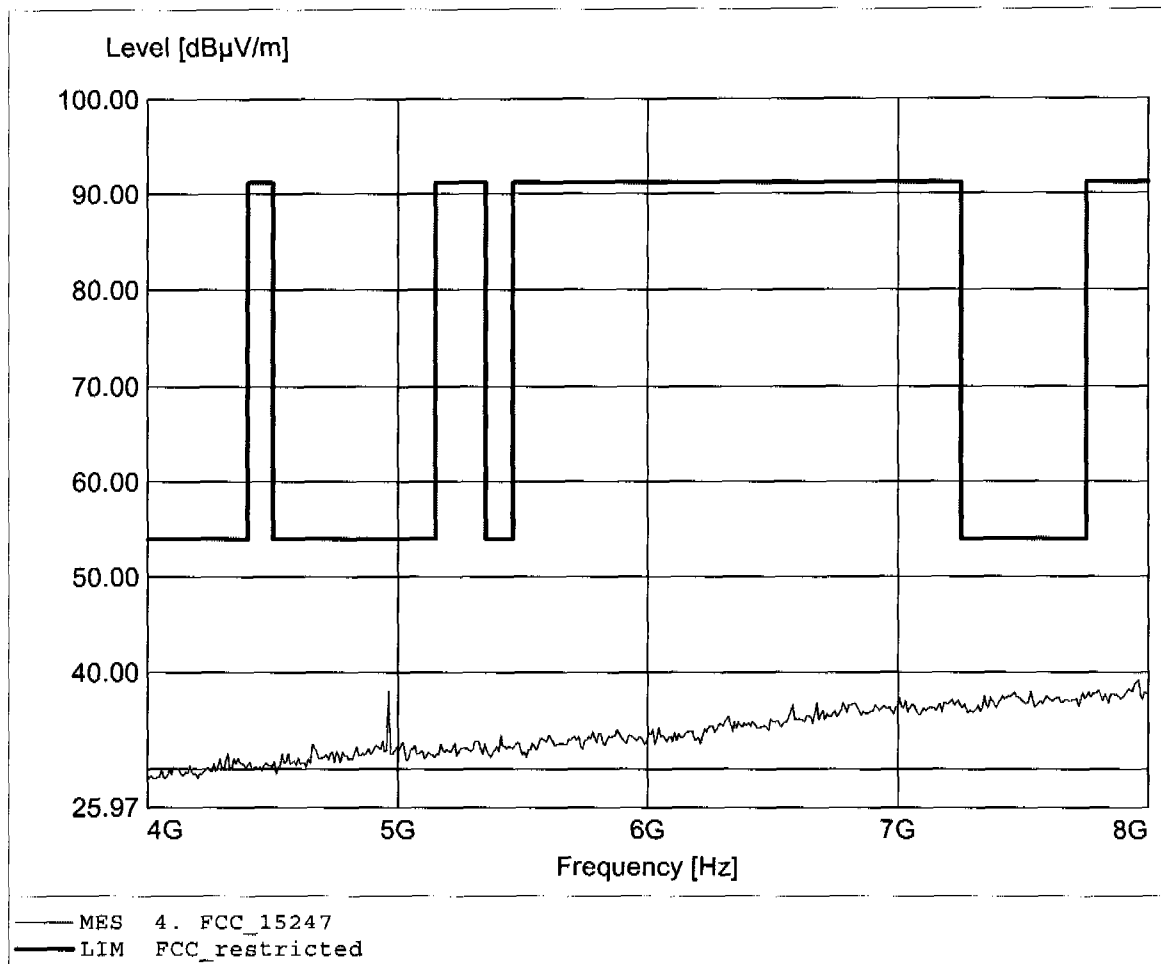
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.447GHz, Emax: 50.86dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

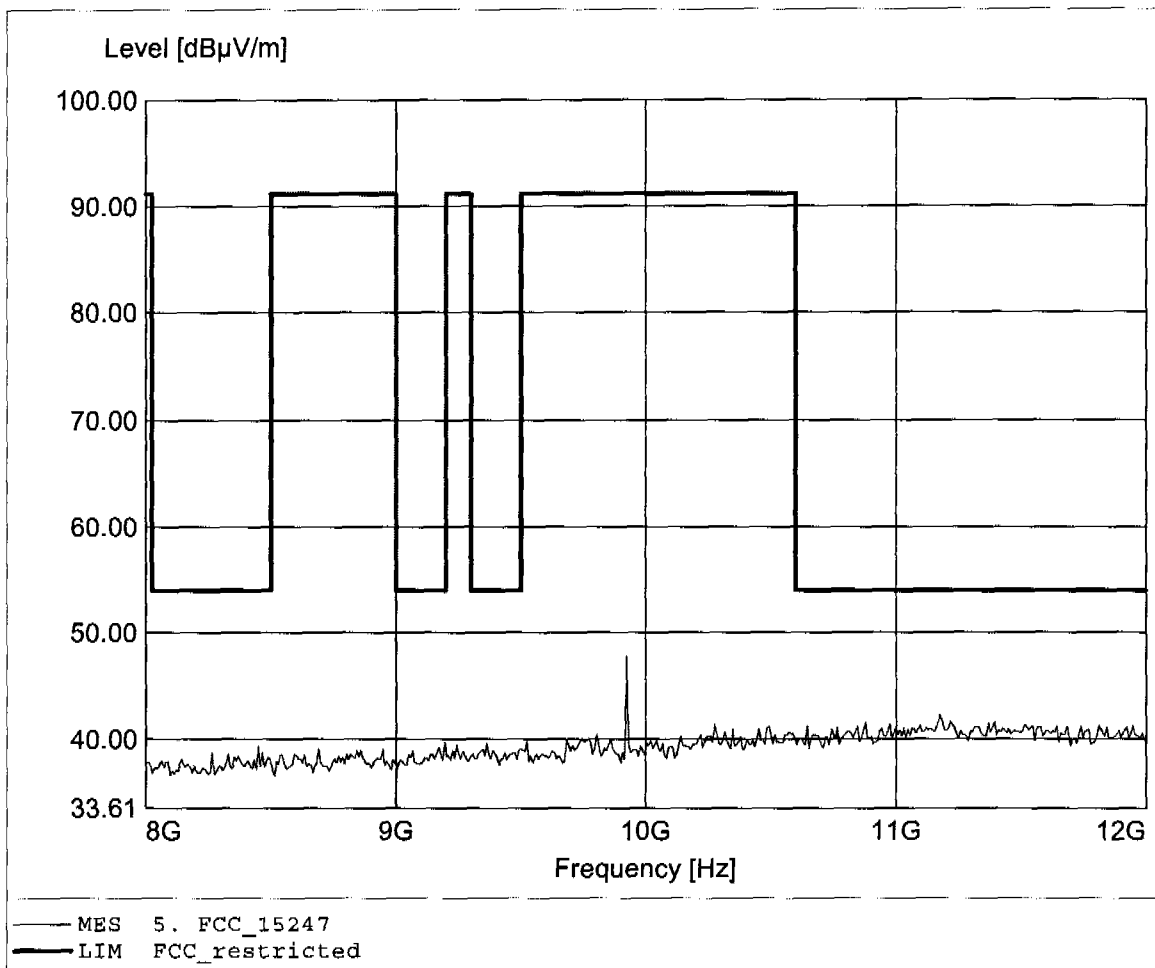
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.960GHz, Emax: 39.24dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

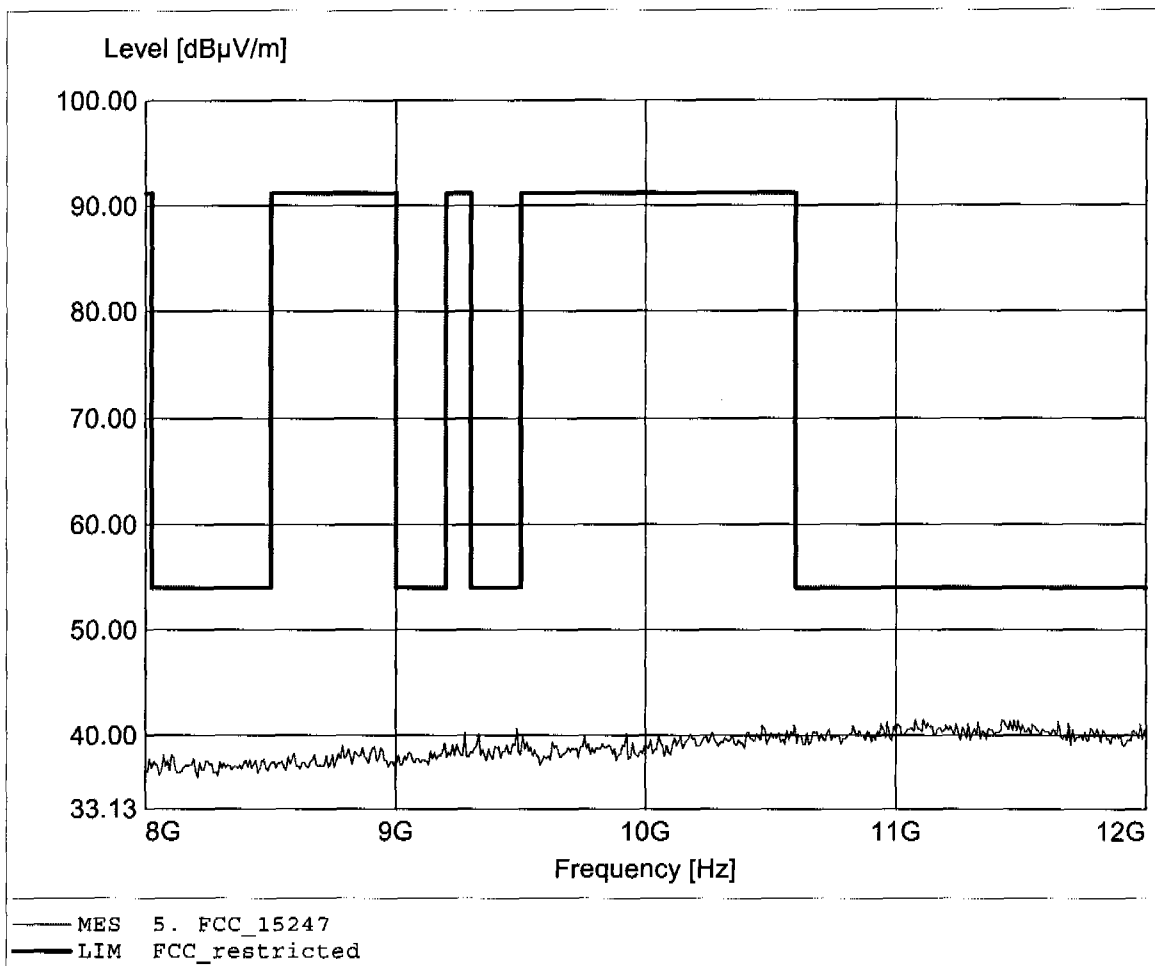
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.924GHz, Emax: 47.80dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

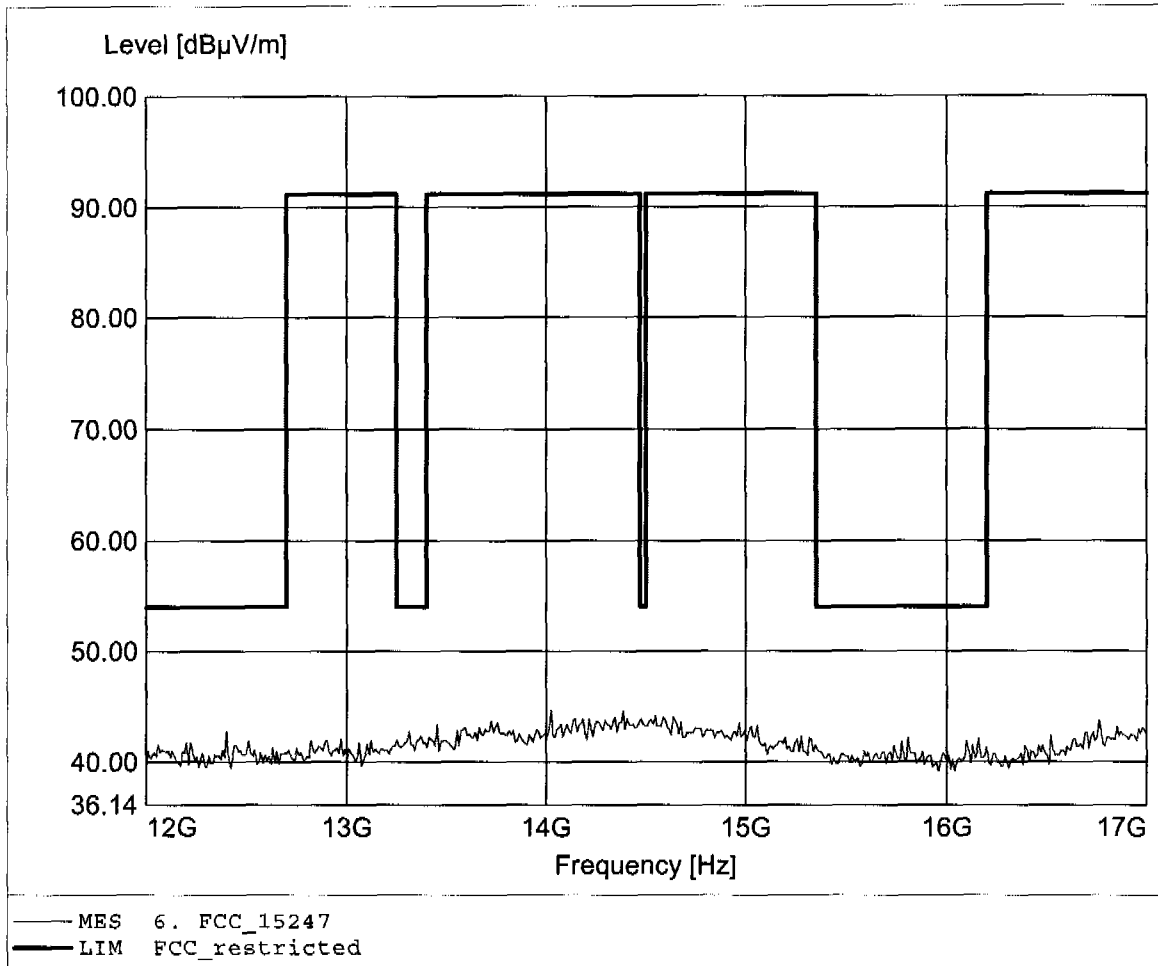
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.078GHz, Emax: 41.55dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

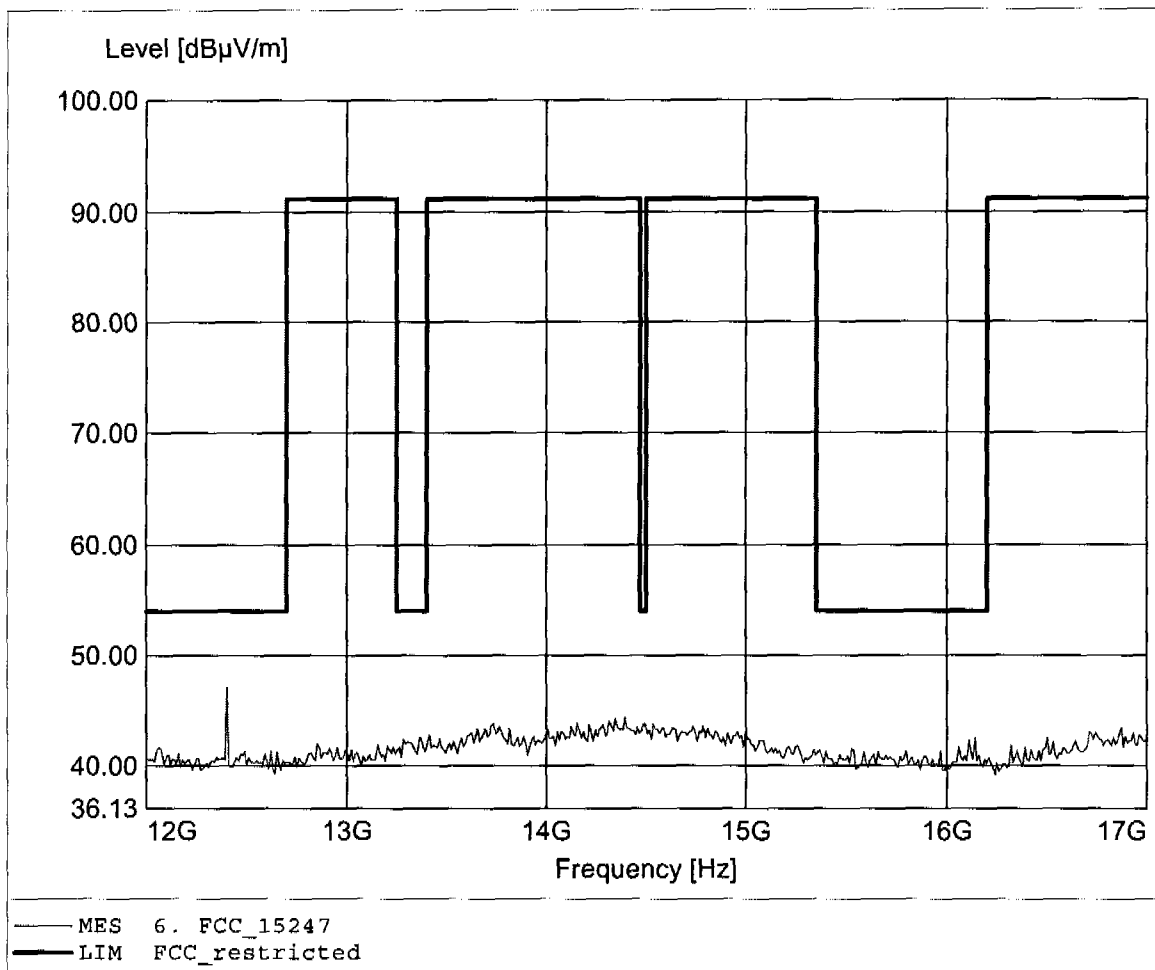
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.024GHz, Emax: 44.71dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

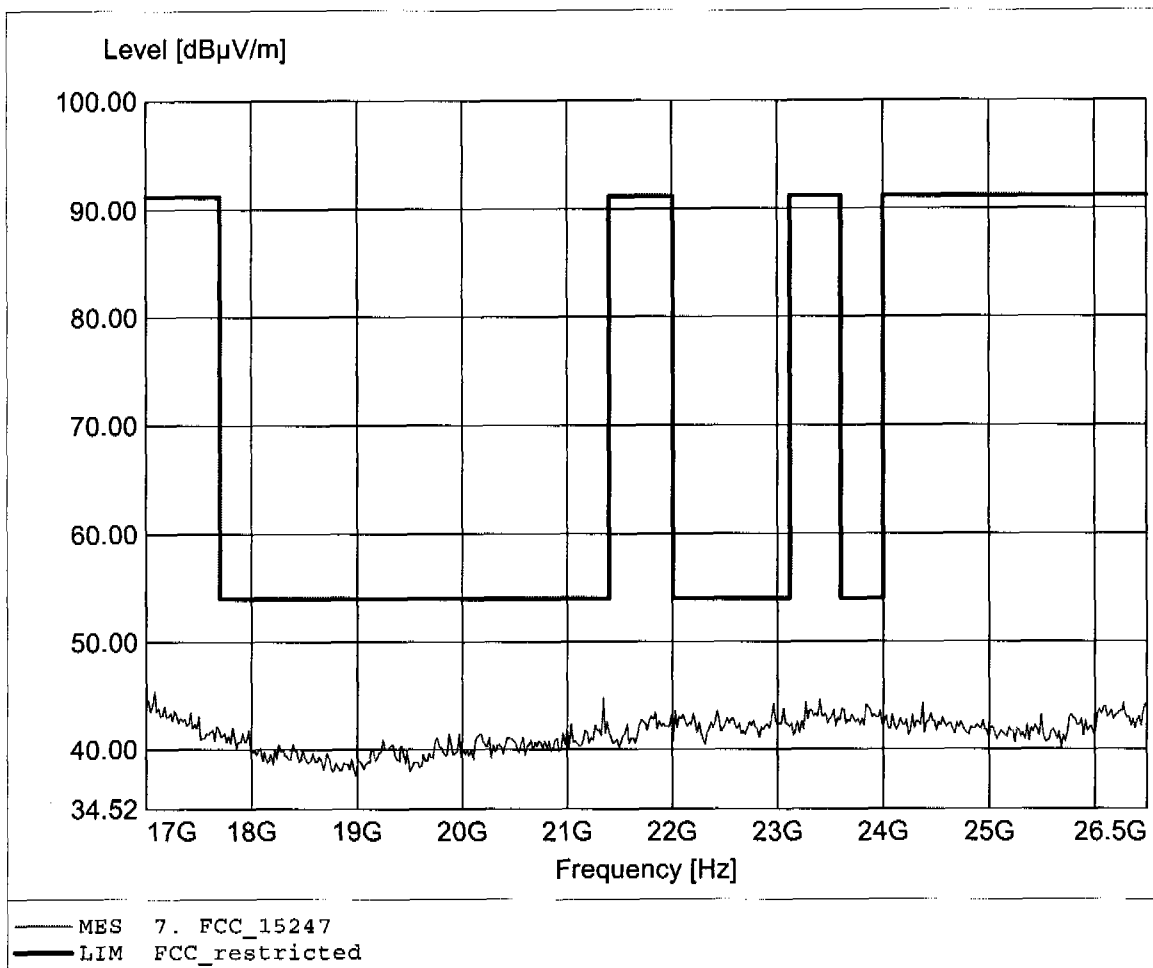
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 12.401GHz, Emax: 47.08dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

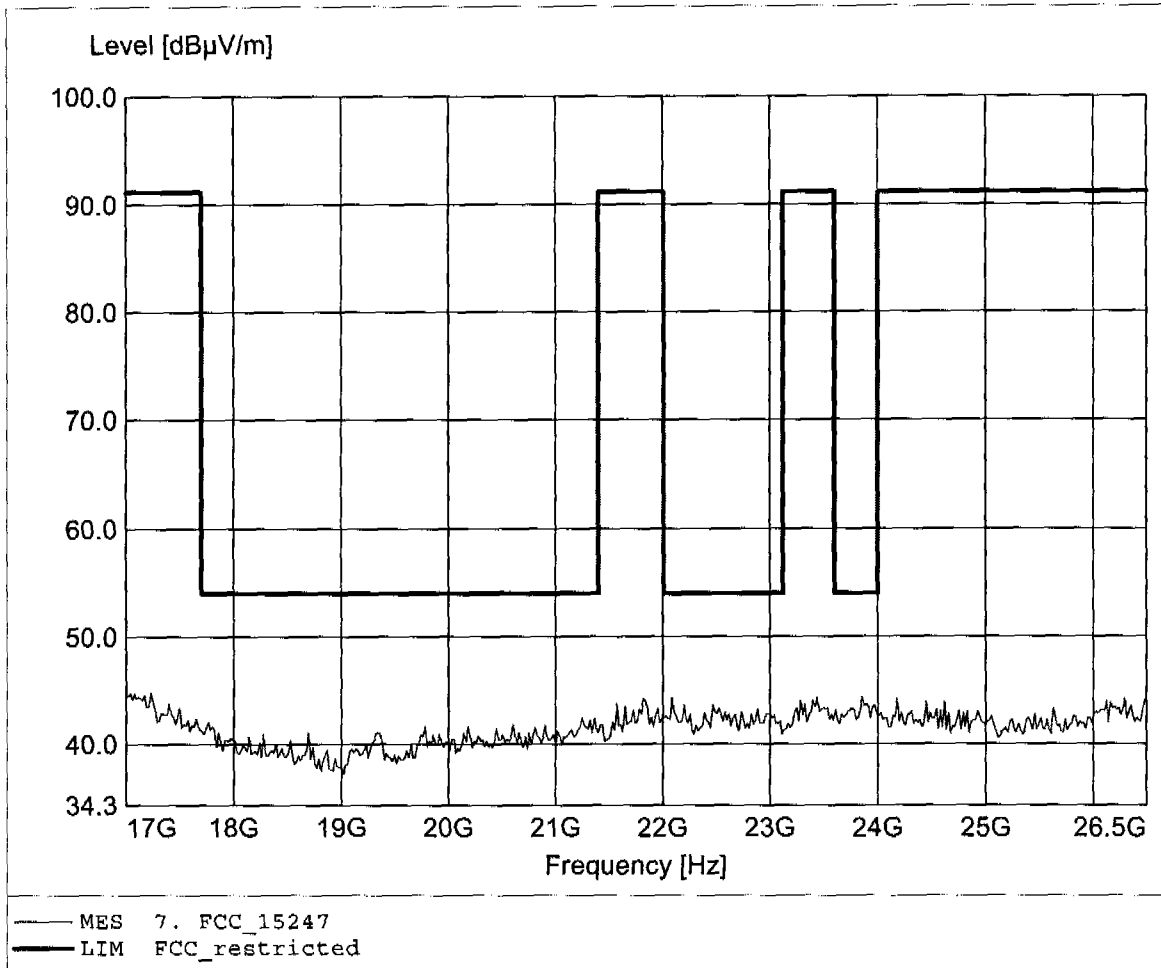
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.076GHz, Emax: 45.42dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Handset / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 2.4 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.228GHz, Emax: 44.87dBµV/m, RBW: 1MHz





Appendix D

Spurious Emissions conducted - Transmitter operating

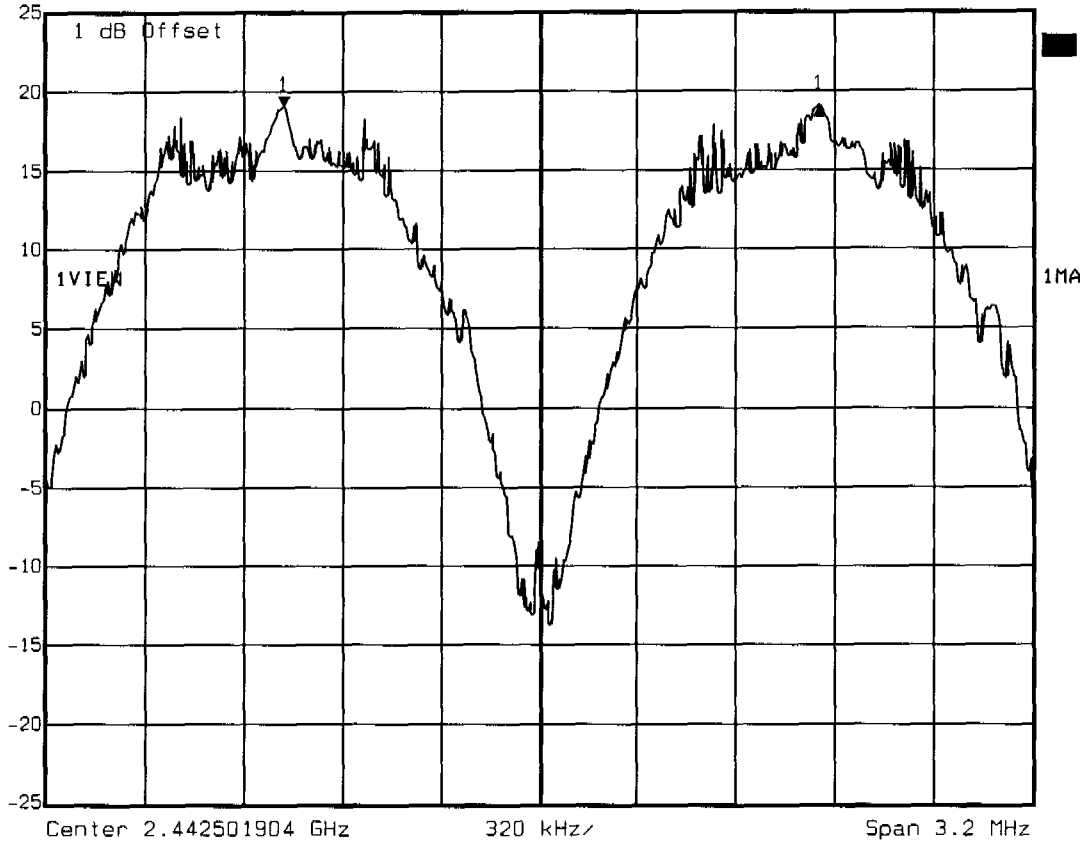


Appendix E

Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.00 dB VBW 100 kHz
25 dBm 1.73787575 MHz SWT 5 ms Unit dBm



Title: Carrier Frequency Separation
Comment A: USB7100 Handset
Date: 16.FEB.2005 11:39:25



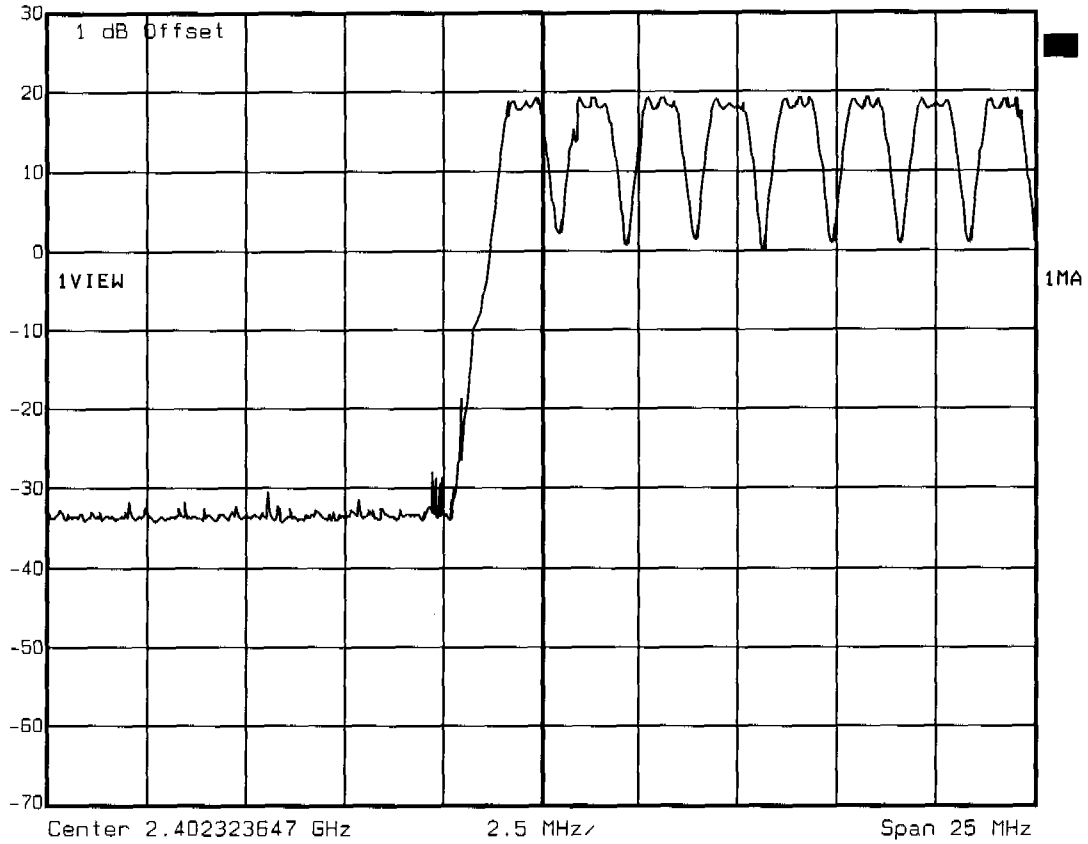
Appendix F

Number of Hopping Frequencies



Ref Lvl
30 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

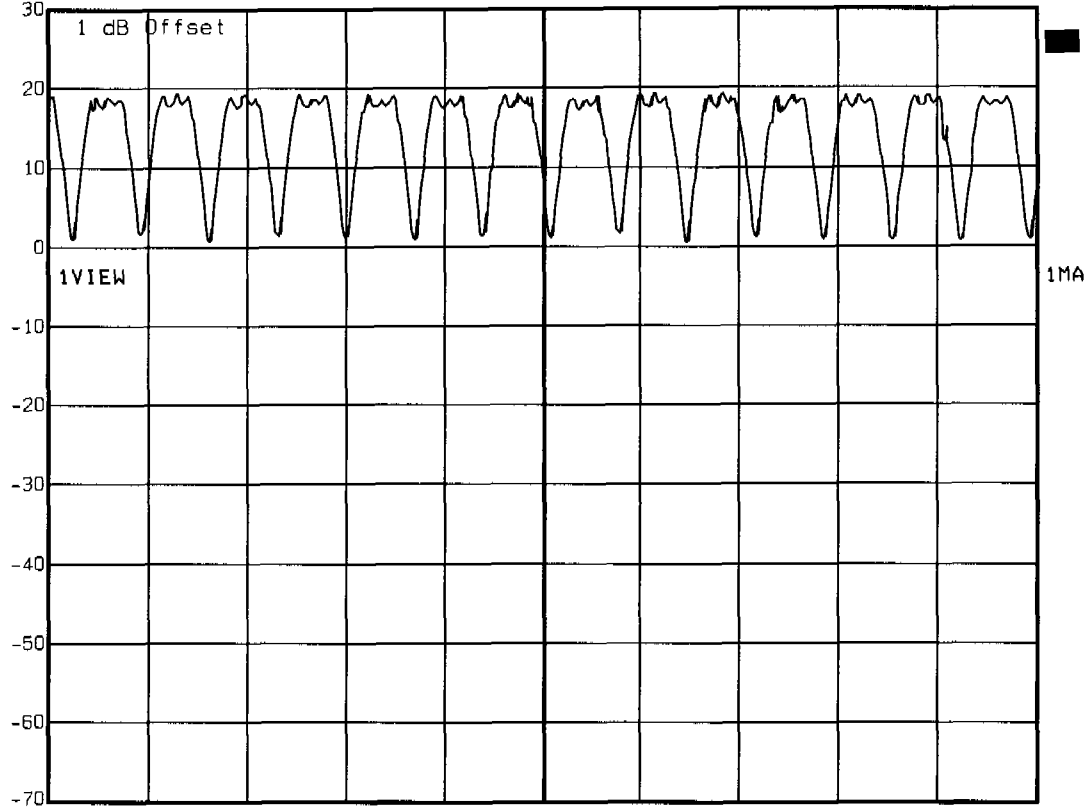


Title: Number of Hopping Frequencies Ch.: 0-7
Comment A: USB7100 Handset
Date: 16.FEB.2005 12:44:44



Ref Lvl
30 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm



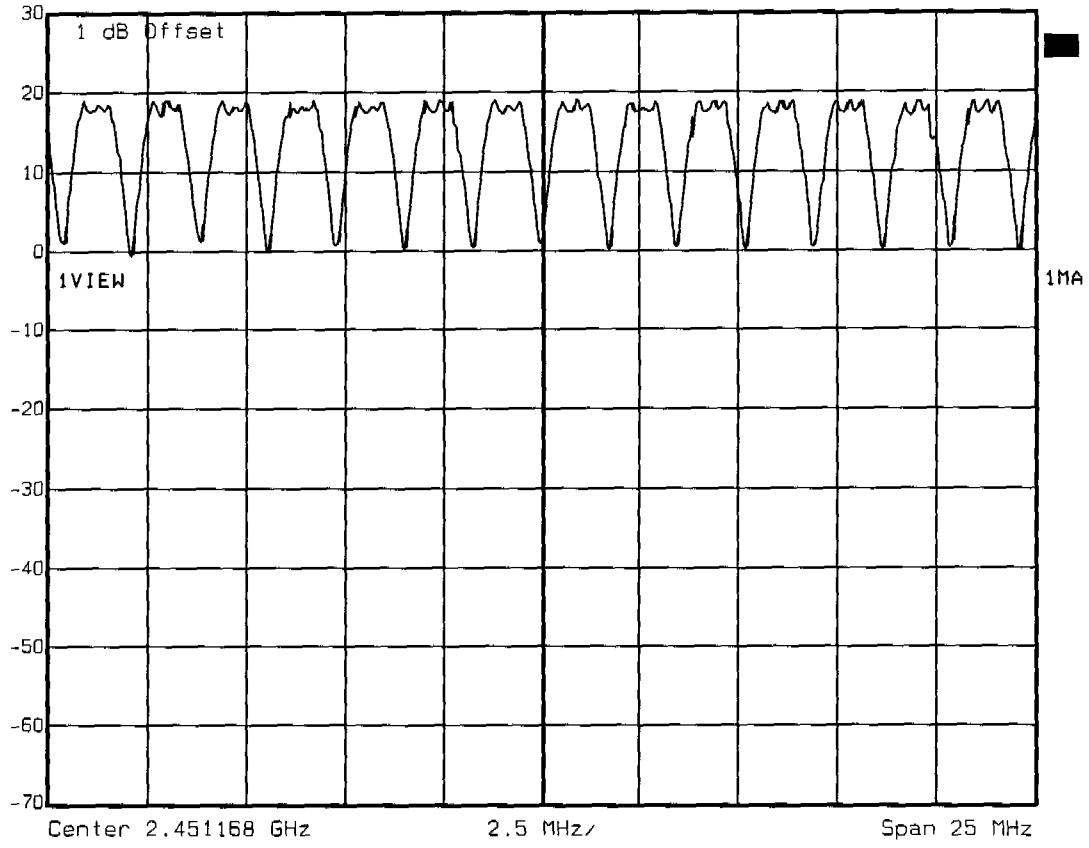
Center 2.426747495 GHz 2.5 MHz/ Span 25 MHz

Title: Number of Hopping Frequencies Ch.: 8-21
Comment A: USB7100 Handset
Date: 16.FEB.2005 12:57:27



Ref Lvl
30 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

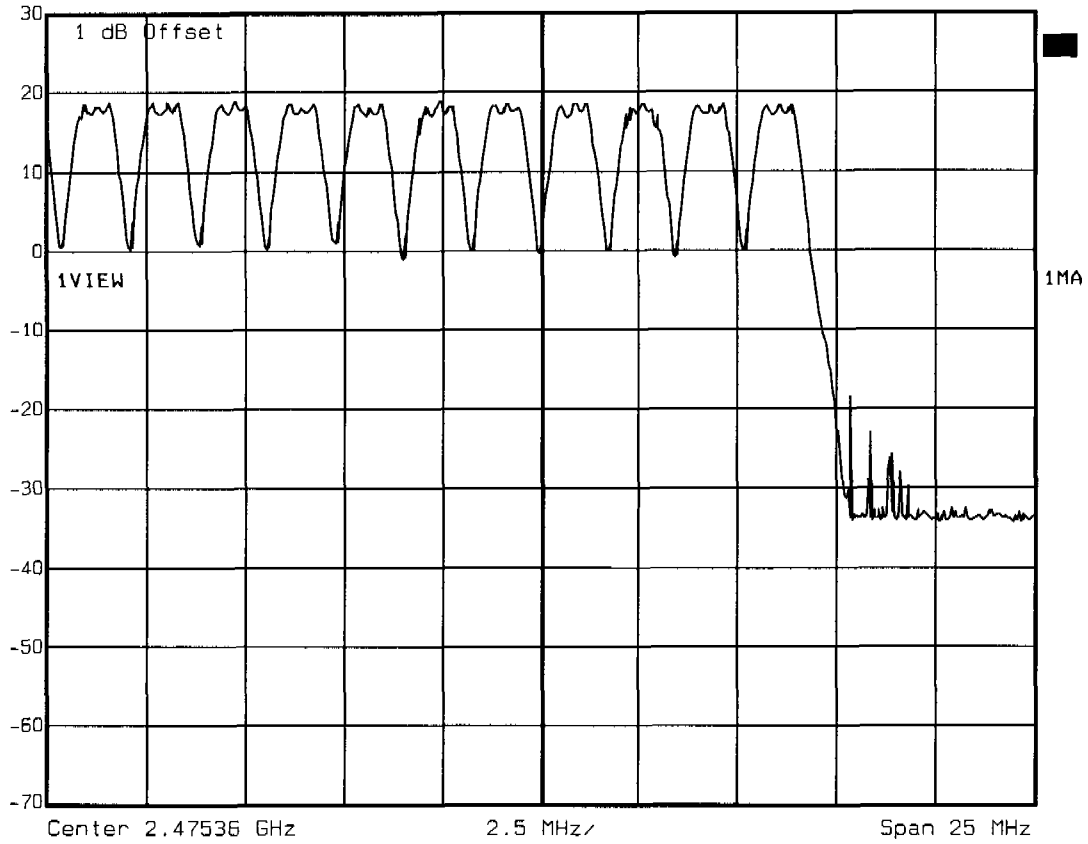


Title: Number of Hopping Frequencies Ch.: 22-35
Comment A: USB7100 Handset
Date: 16.FEB.2005 13:02:56



Ref Lvl
30 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 36-46
Comment A: USB7100 Handset
Date: 16.FEB.2005 13:08:52

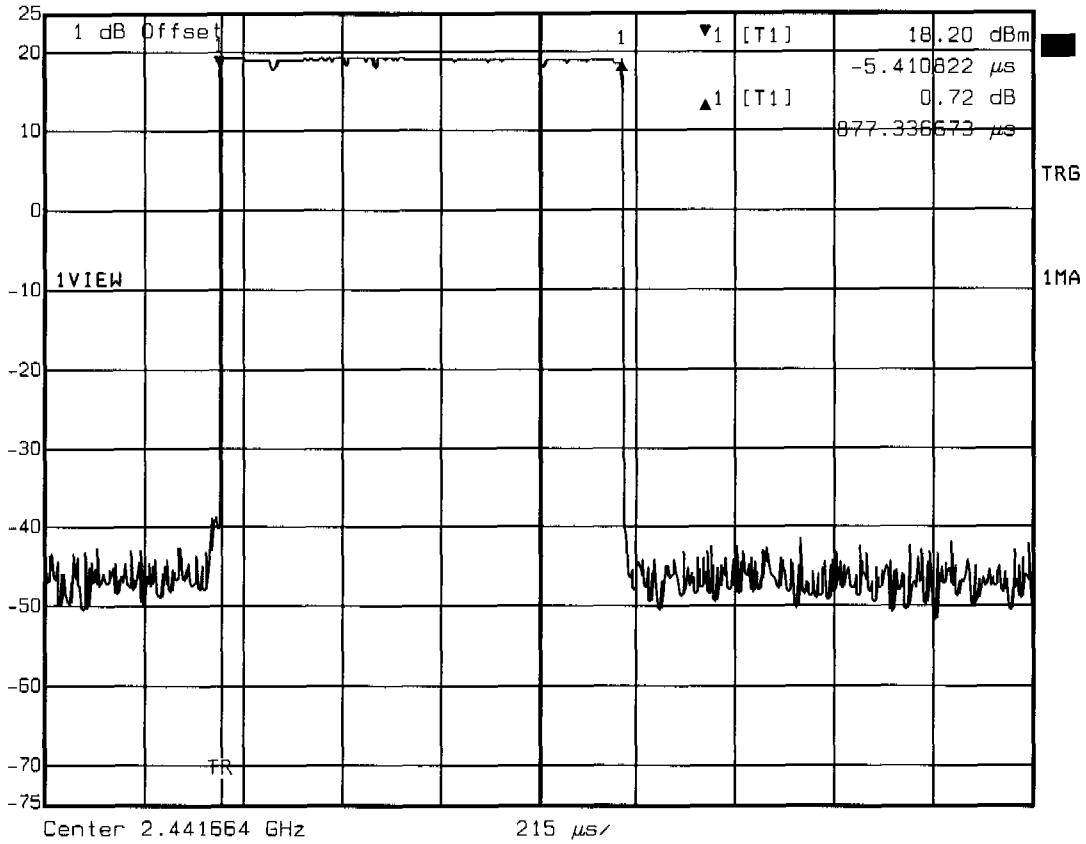


Appendix G

Time of Occupancy (Dwell Time)



Delta 1 [T1] RBW 1 MHz RF Att 40 dB
Ref Lvl 0.72 dB VBW 1 MHz
25 dBm 877.336673 μ s SWT 2.15 ms Unit dBm



Title: Time of occupancy (hopping mode) 40 events * 0.877ms=35.08ms
Comment A: USB7100 Handset
Date: 17.FEB.2005 08:16:42



Delta 2 [T1]

RBW 1 MHz RF Att 50 dB

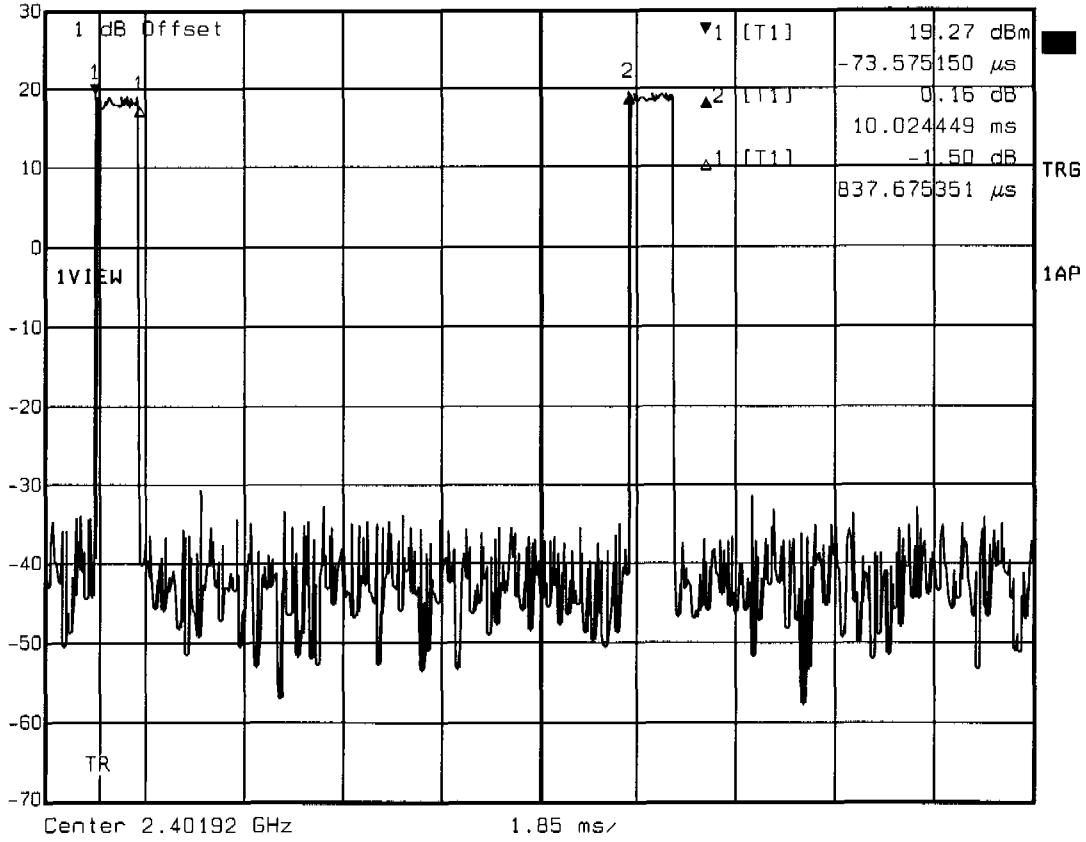
Ref Lvl 0.16 dB

VBW 1 MHz

30 dBm 10.024449 ms

SWT 18.5 ms Unit

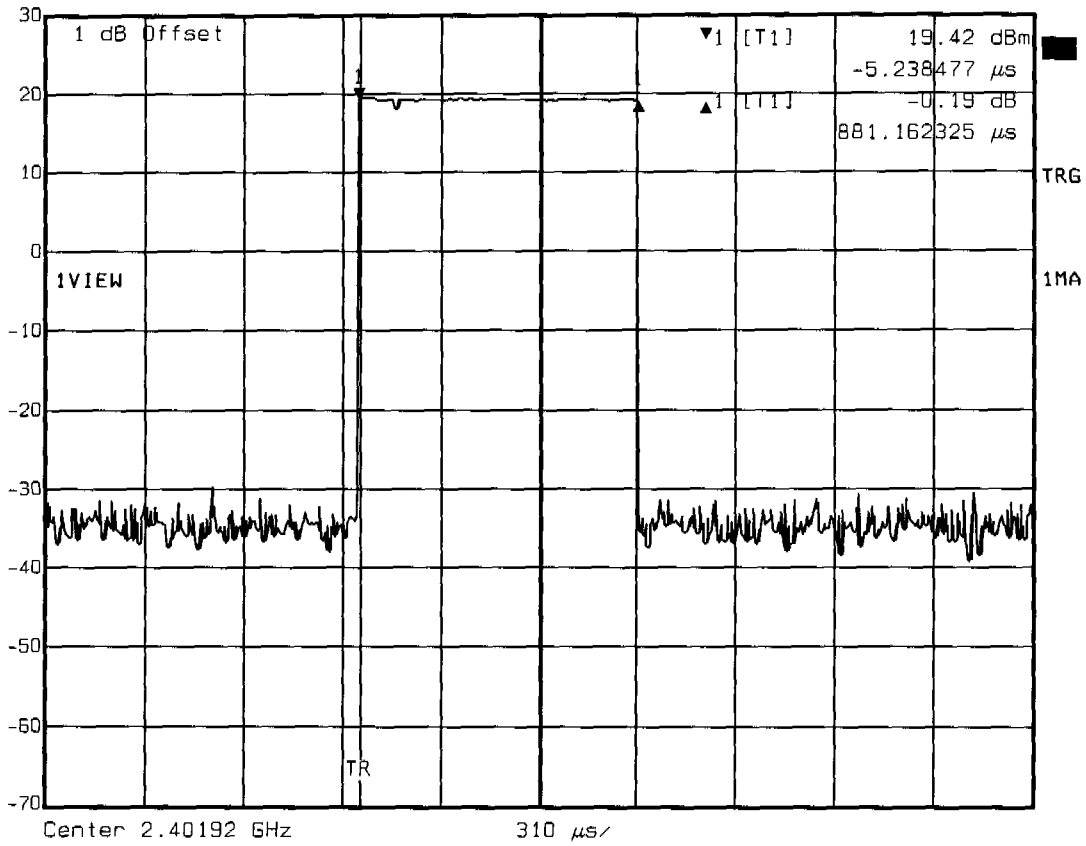
dBm



Title: Duty Cycle
Comment A: USB7100 Handset
Date: 16.FEB.2005 10:28:05



Delta 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl -0.19 dB VBW 1 MHz
30 dBm 881.162325 μ s SWT 3.1 ms Unit dBm



Title: Duty Cycle
Comment A: USB7100 Handset
Date: 16.FEB.2005 10:29:45

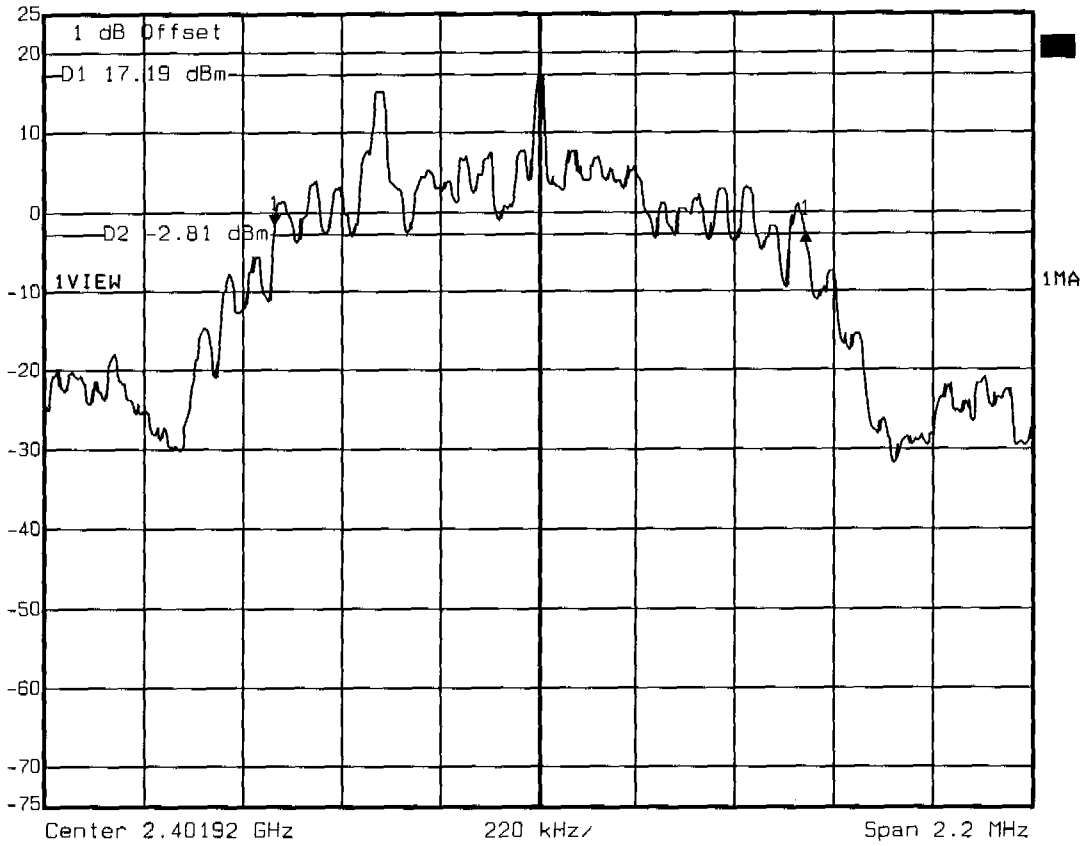


Appendix H

20dB Bandwidth



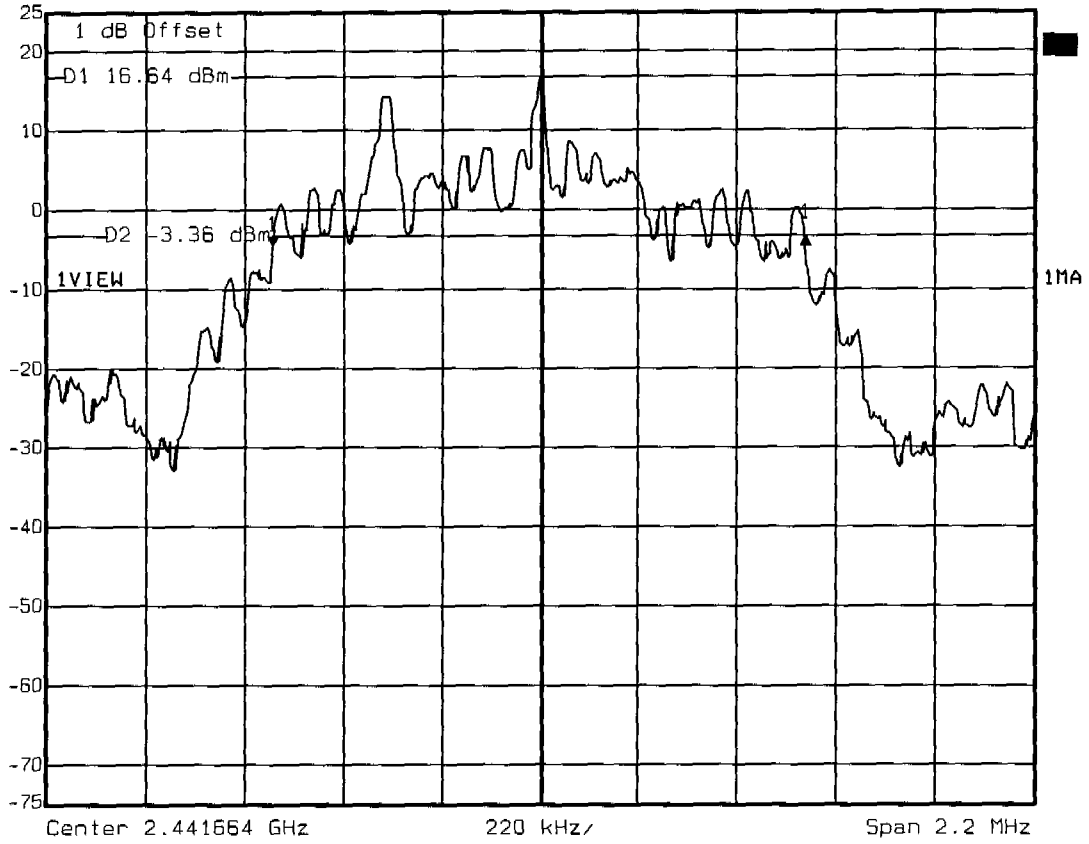
Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -0.67 dB VBW 10 kHz
25 dBm 1.18661323 MHz SWT 56 ms Unit dBm



Title: -20 dB Bandwidth Ch.: 0
Comment A: USB7100 Handset
Date: 16.FEB.2005 10:59:48



Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl 1.52 dB VBW 10 kHz
25 dBm 1.19038076 MHz SWT 56 ms Unit dBm



Title: -20 dB Bandwidth Ch.: 23
Comment A: USB7100 Handset
Date: 16.FEB.2005 11:02:22



Delta 1 [T1]

RBW 10 kHz RF Att 50 dB

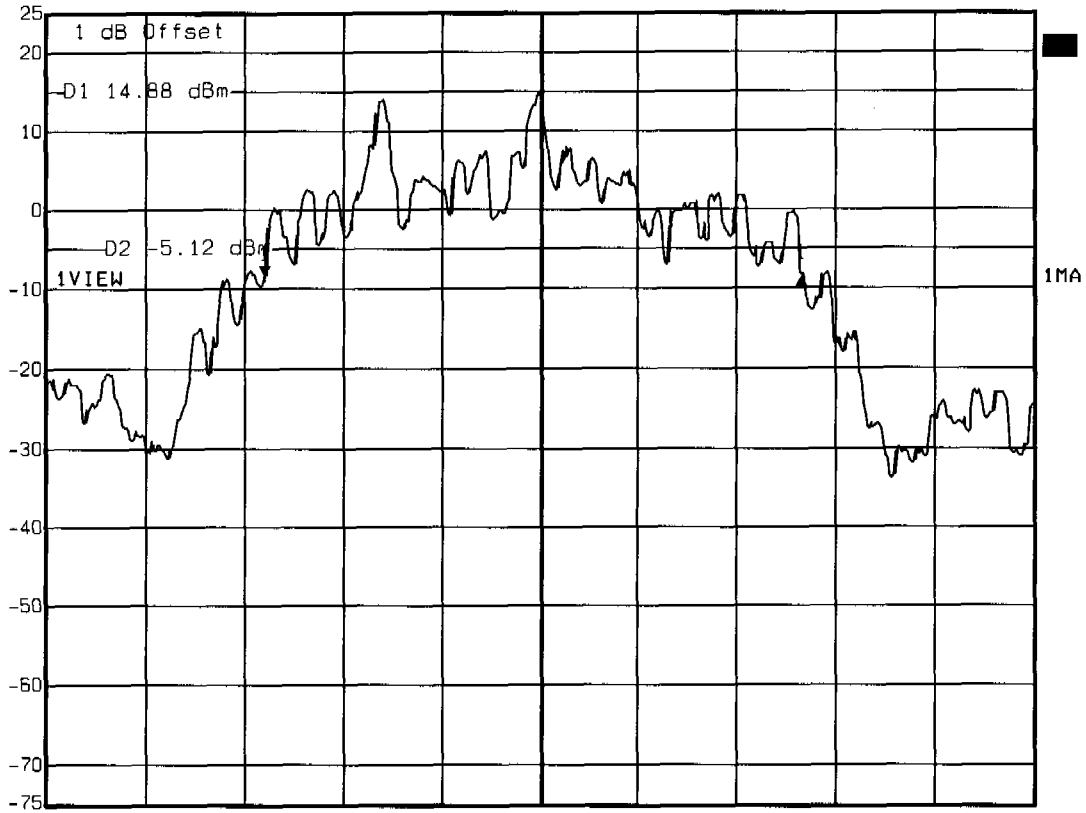
Ref Lvl 0.13 dB

VBW 10 kHz

25 dBm 1.19919840 MHz

SWT 56 ms

Unit dBm



Center 2.481408 GHz

220 kHz

Span 2.2 MHz

Title: -20 dB Bandwidth Ch.: 46
Comment A: USB7100 Handset
Date: 16.FEB.2005 11:05:18

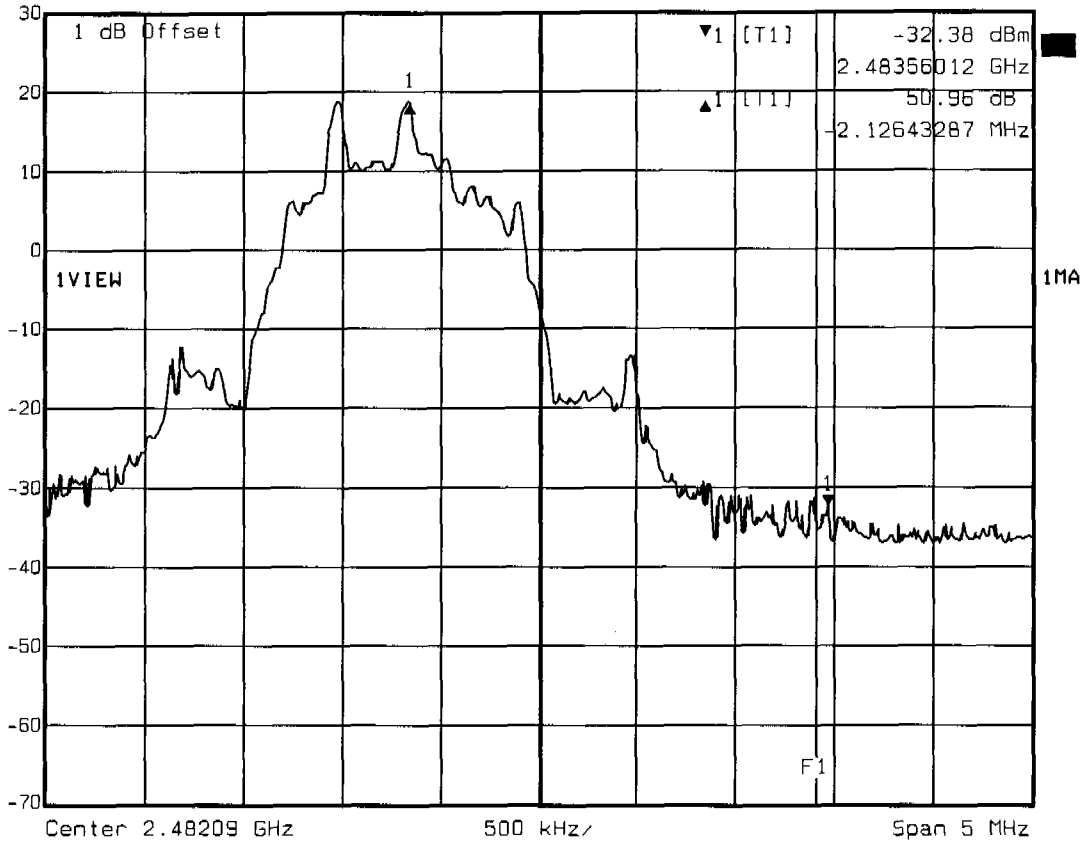


Appendix I

Band-edge Compliance of RF Emissions



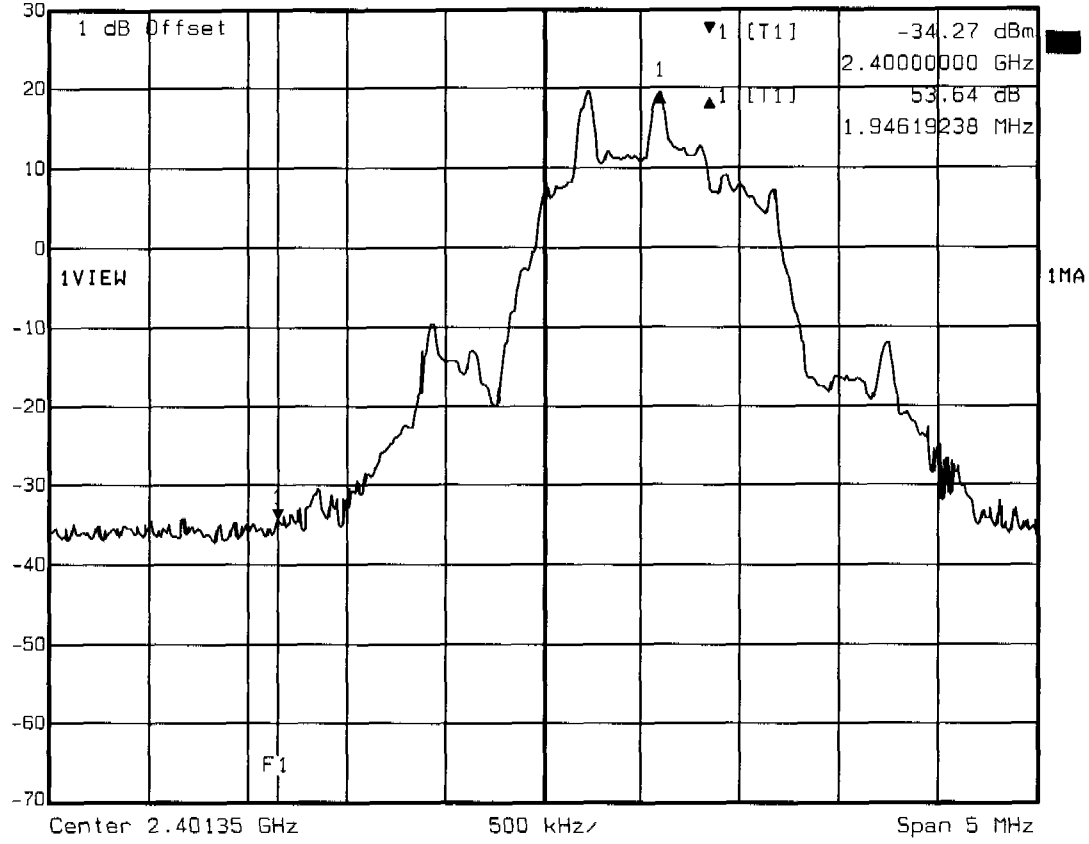
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 50.96 dB VBW 50 kHz
30 dBm -2.12643287 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: USB7100 Handset
Date: 16.FEB.2005 11:12:25



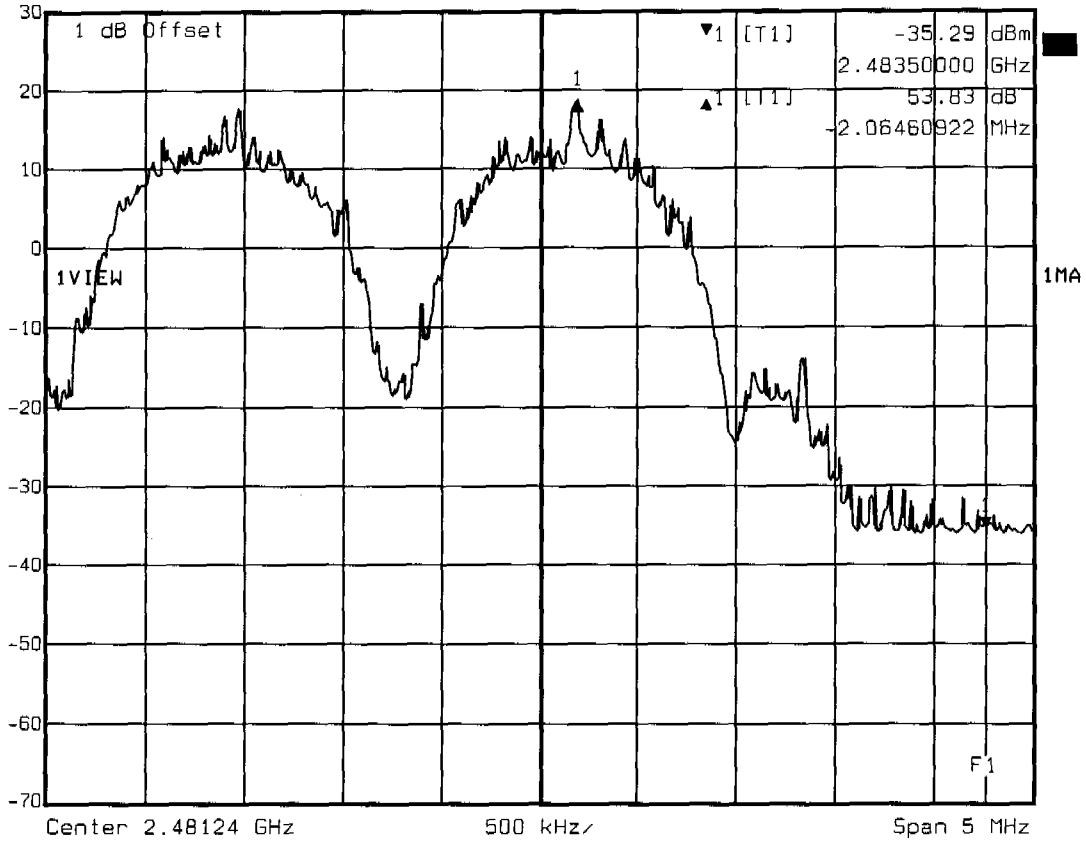
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 53.64 dB VBW 50 kHz
30 dBm 1.94619238 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: USB7100 Handset
Date: 16.FEB.2005 11:17:02



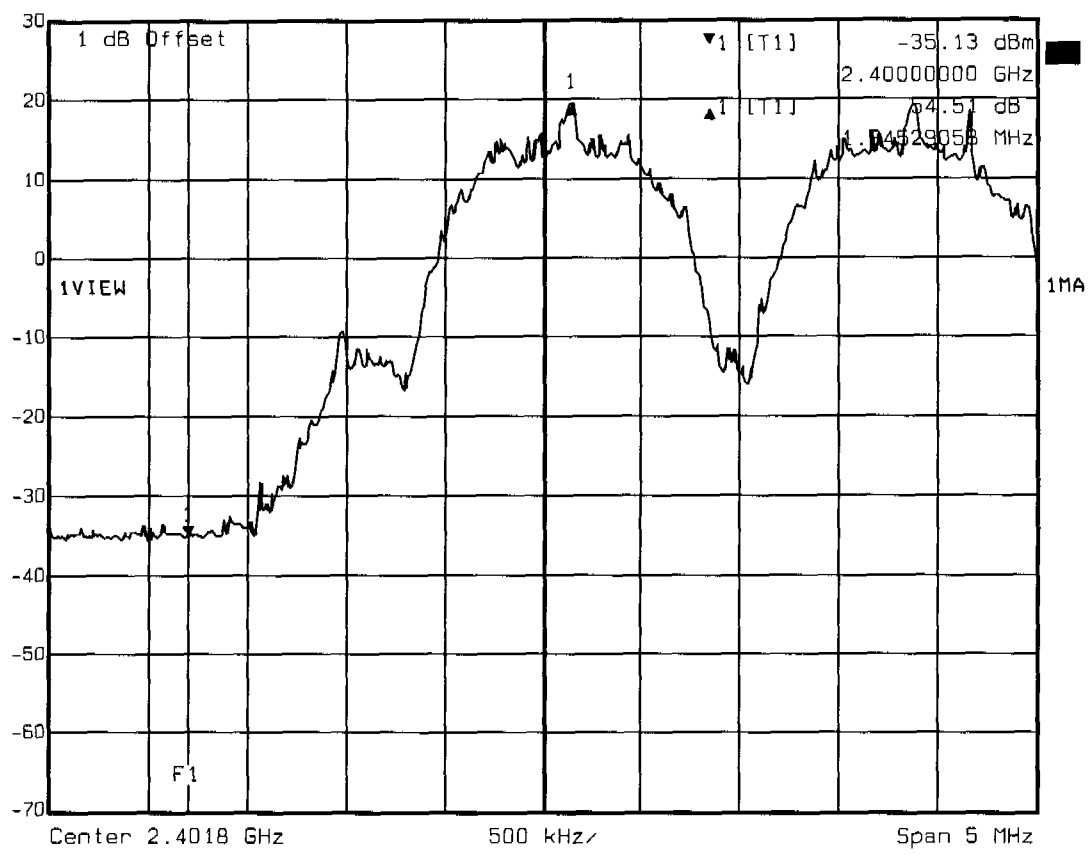
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 53.83 dB VBW 50 kHz
30 dBm -2.06460922 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: USB7100 Handset
Date: 16.FEB.2005 12:34:08



Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 54.51 dB VBW 50 kHz
30 dBm 1.94529058 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: USB7100 Handset
Date: 16.FEB.2005 12:20:02

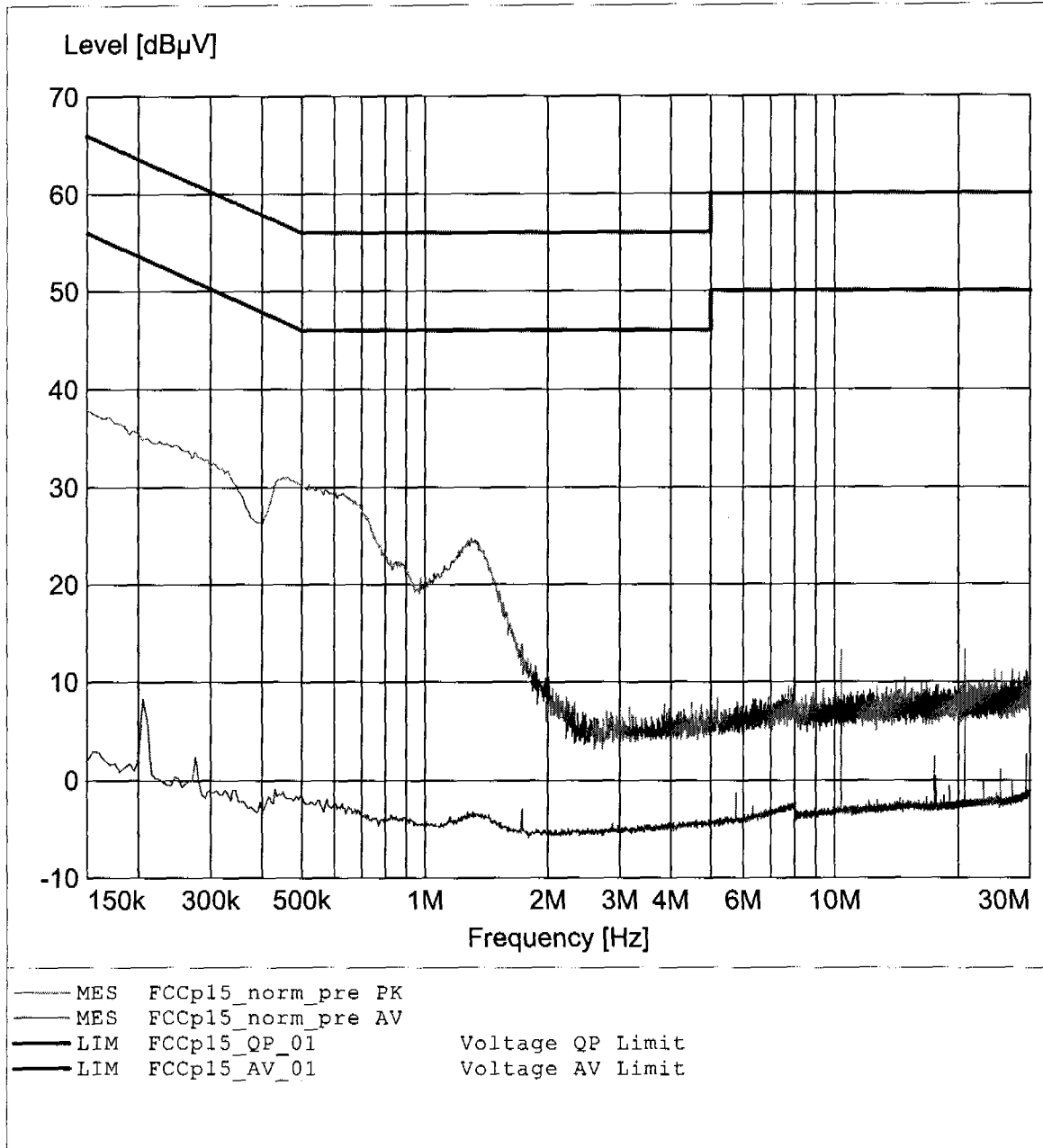


Appendix J

Conducted Measurement at (AC) Power Line

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

EUT: 2.4 GHz Cordless VoIP Phone
 Manufacturer: VTech Telecommunications Limited
 Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR) , Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Pflug
 Test Specification: V-Network: ESH2-Z5 (L1)
 Comment: model: USB711 (1HS+CRADLE) mode: charging



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

EUT: 2.4 GHz Cordless VoIP Phone
 Manufacturer: VTech Telecommunications Limited
 Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR) , Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Pflug
 Test Specification: V-Network: ESH2-Z5 (N)
 Comment: model: USB711 (1HS+CRADLE) mode: charging

