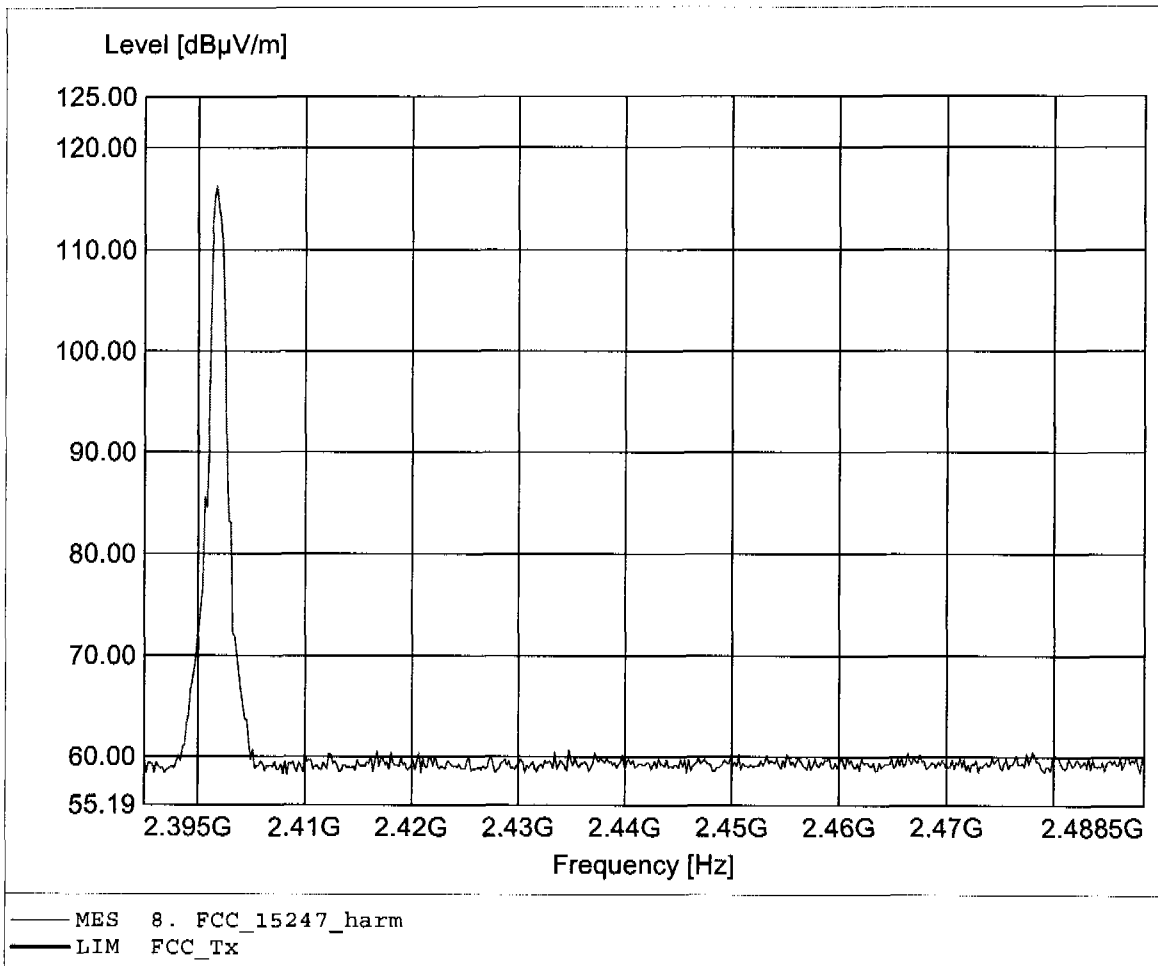


Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

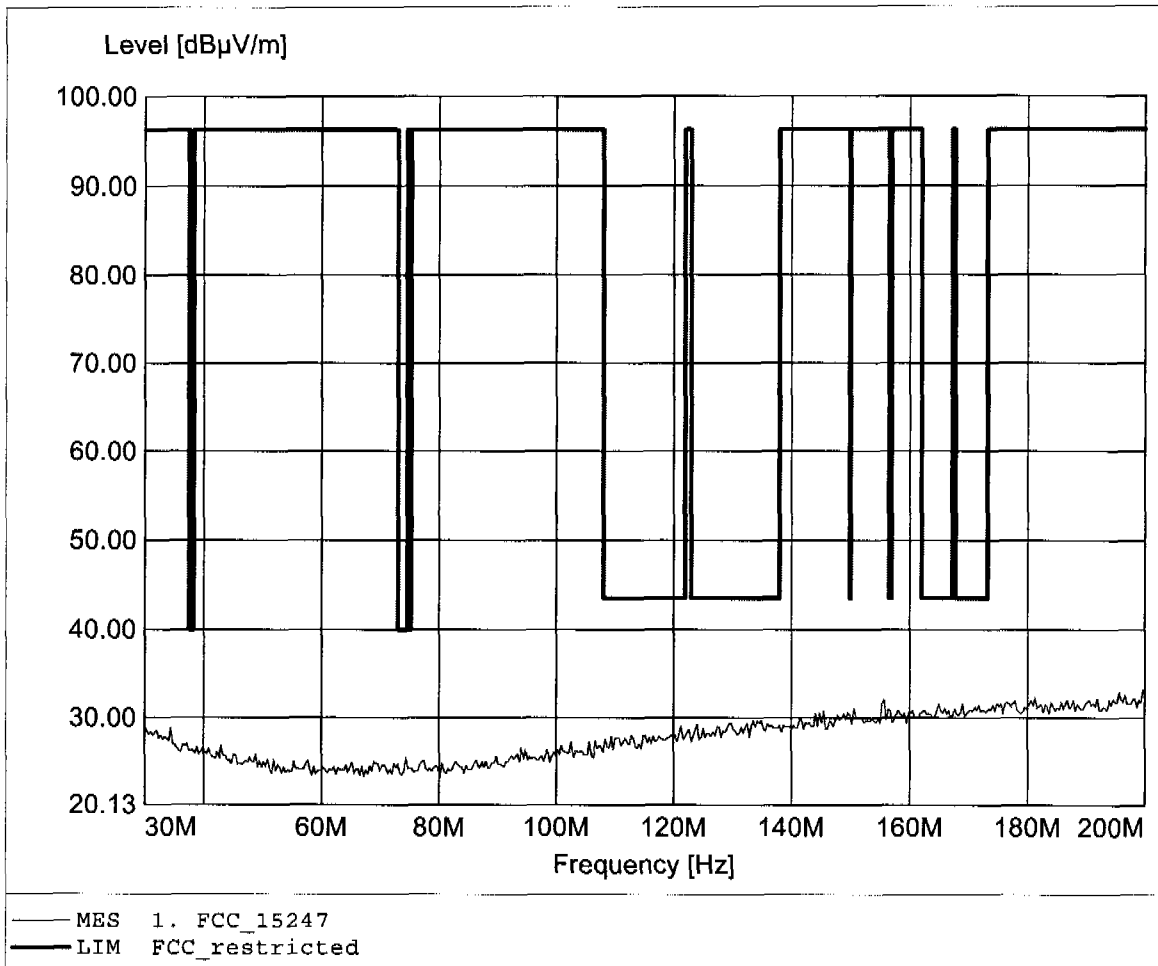
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Emax: 116.26dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

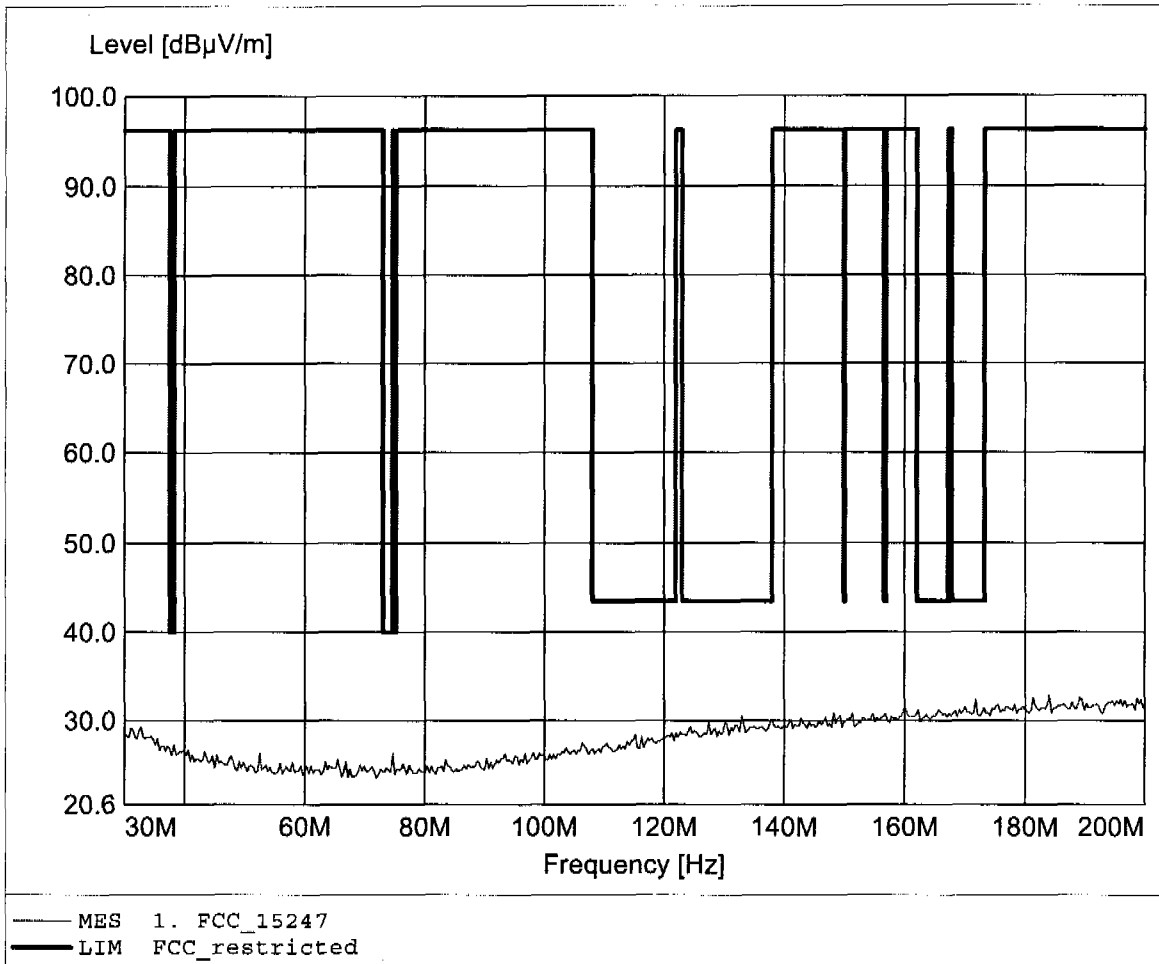
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 199.659MHz, Emax: 33.21dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

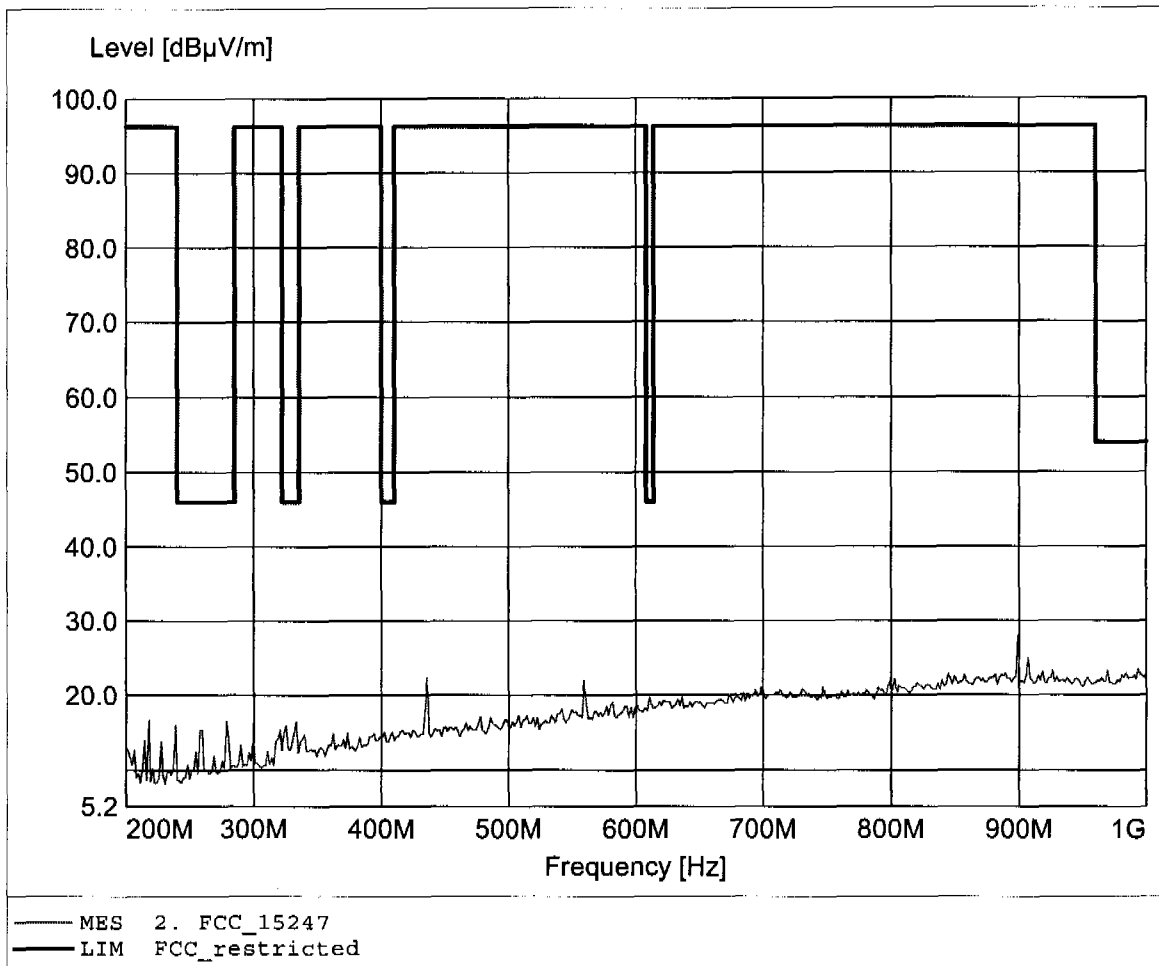
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 183.988MHz, Emax: 32.89dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

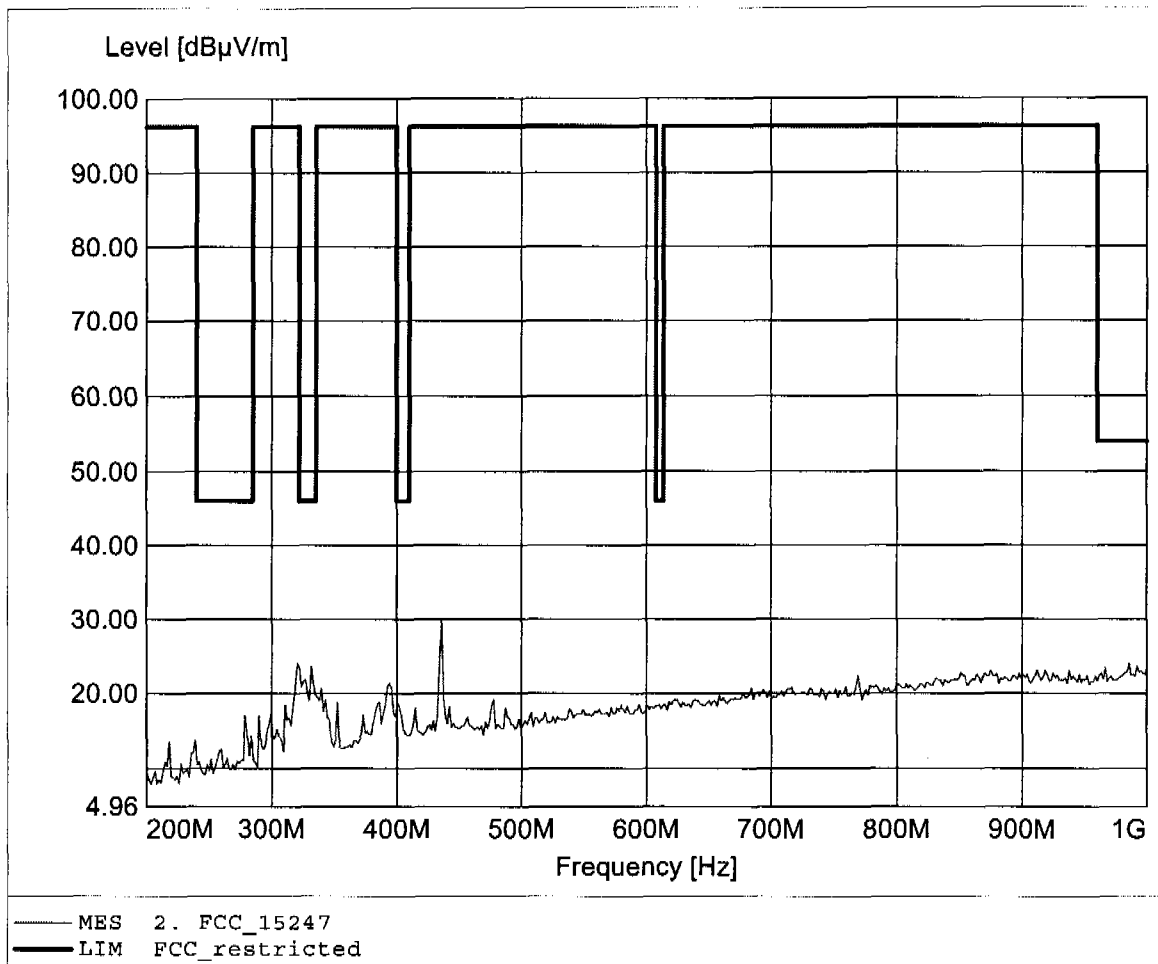
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 898.998MHz, Emax: 27.94dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

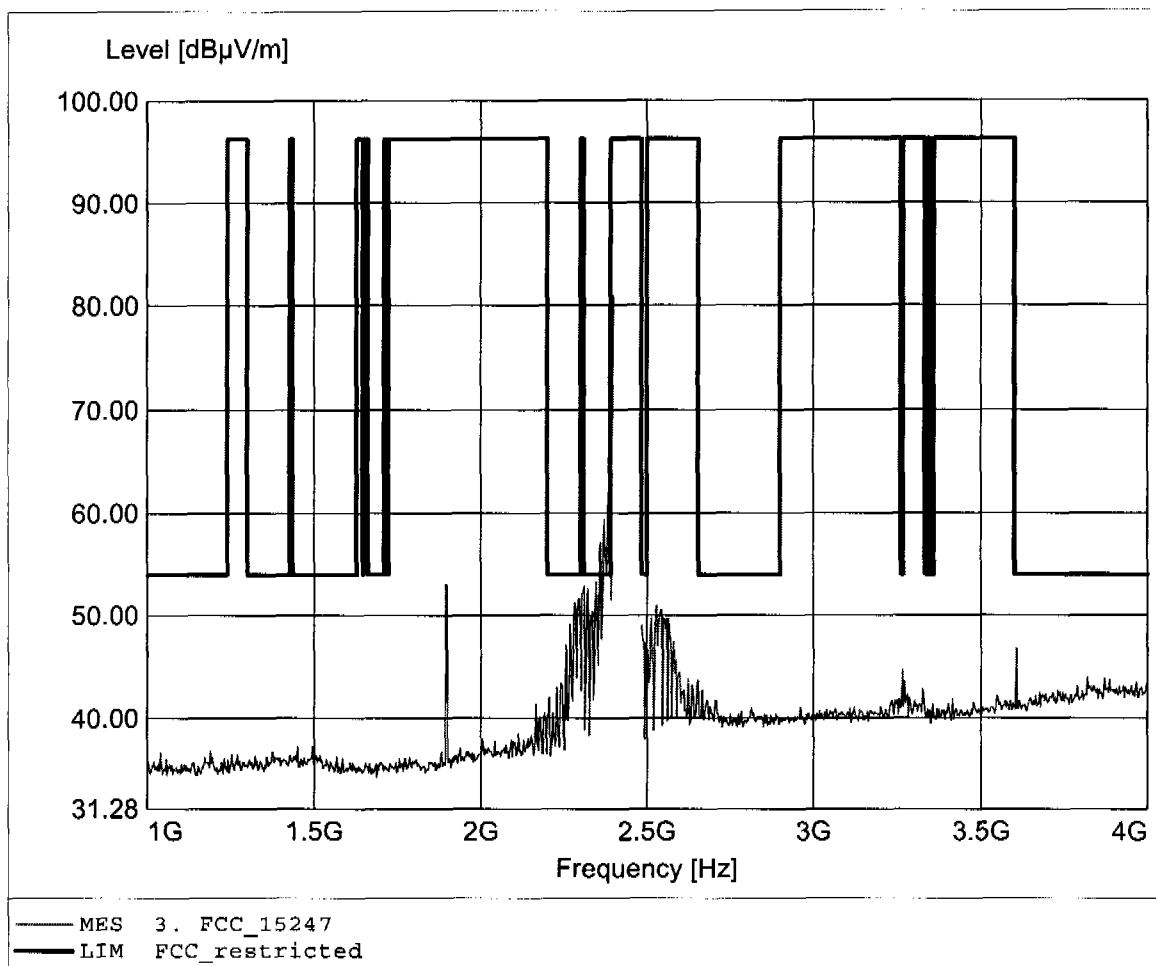
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 435.671MHz, Emax: 29.93dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

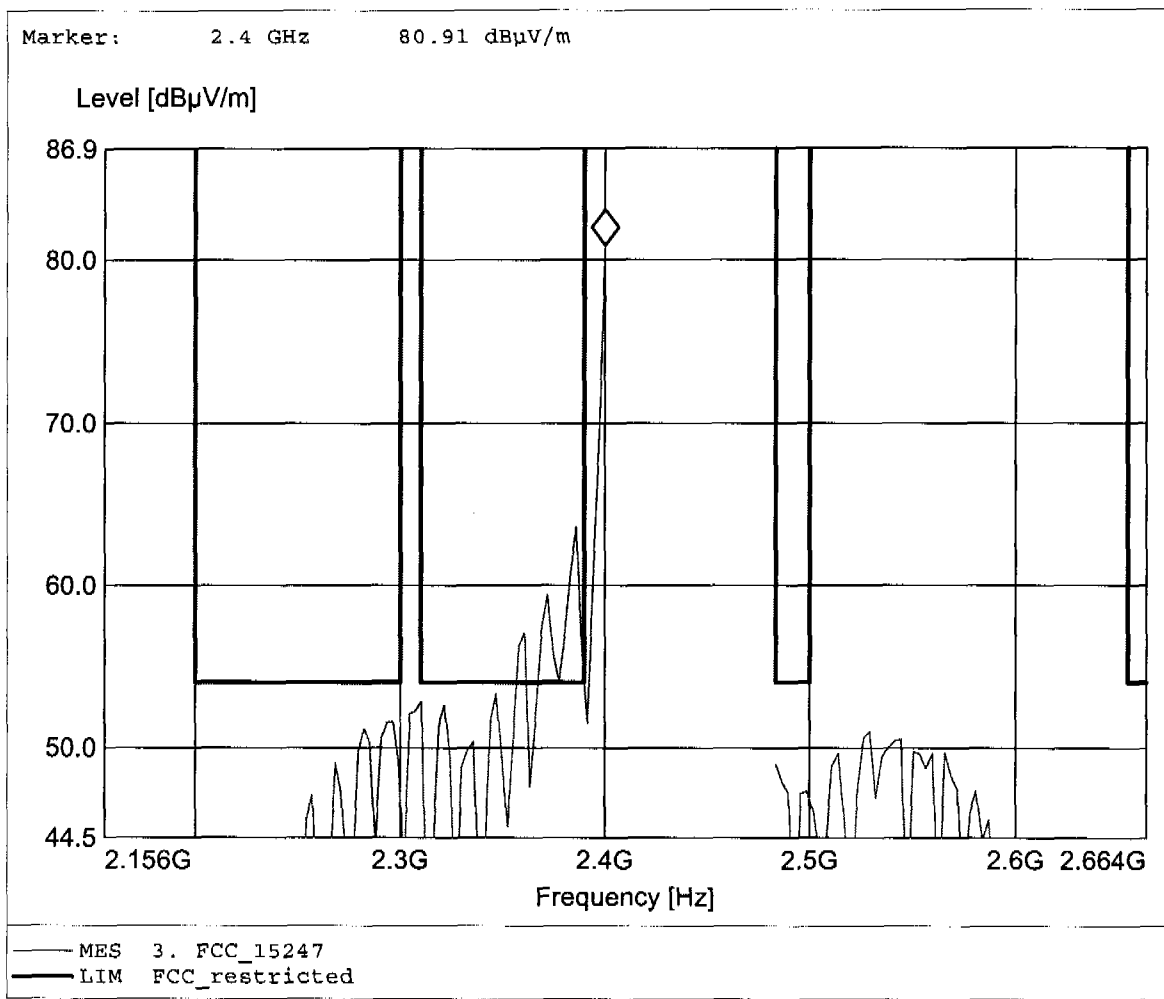
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 80.91dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

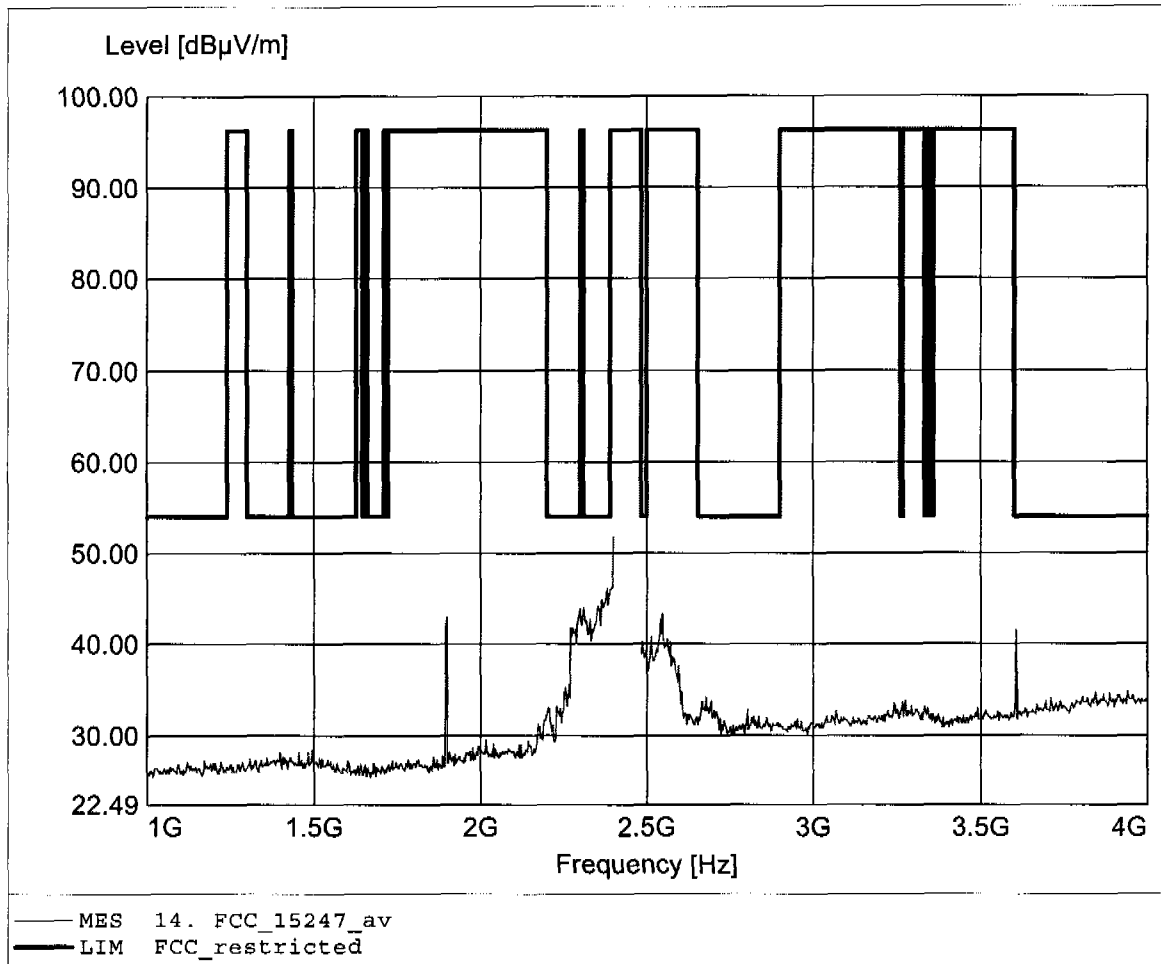
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 80.91dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

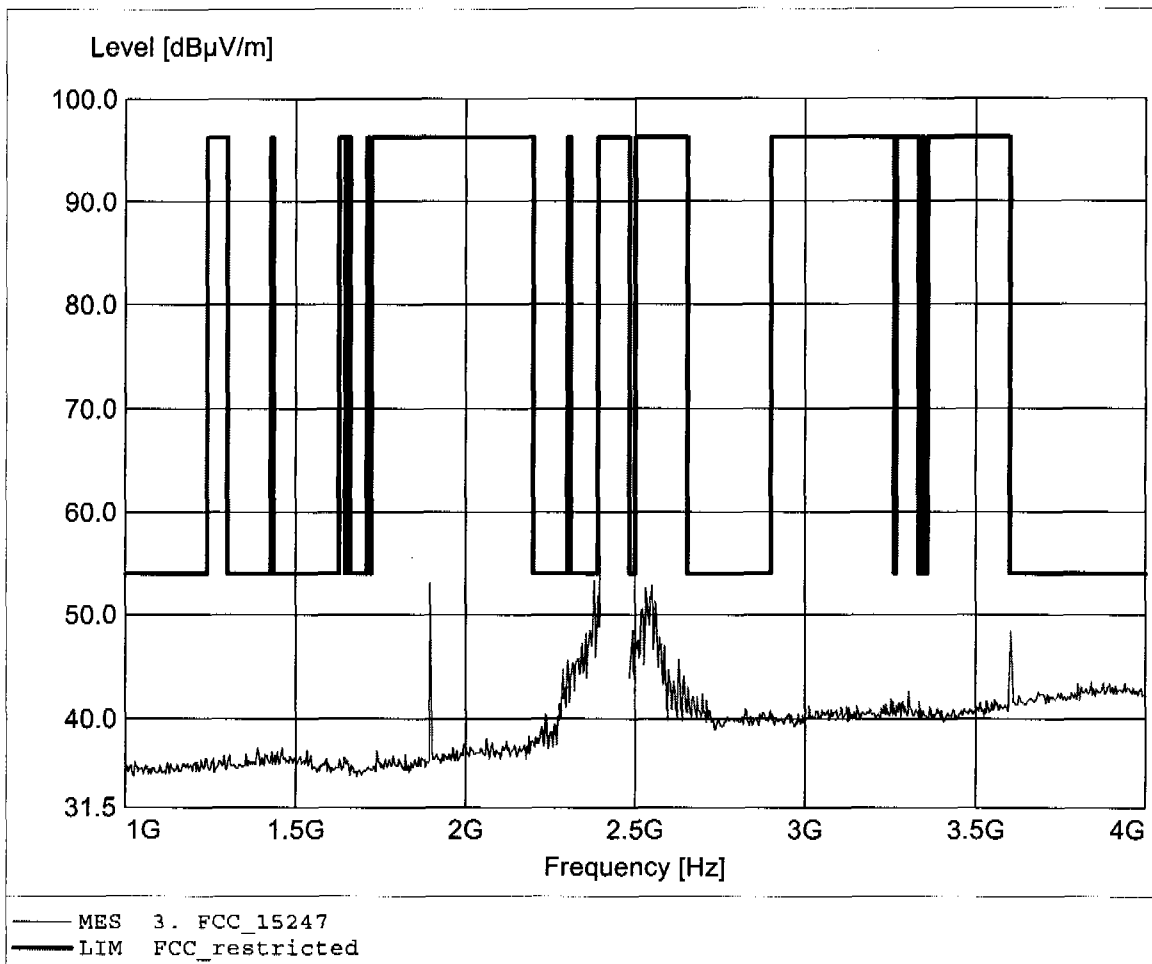
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 51.81dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

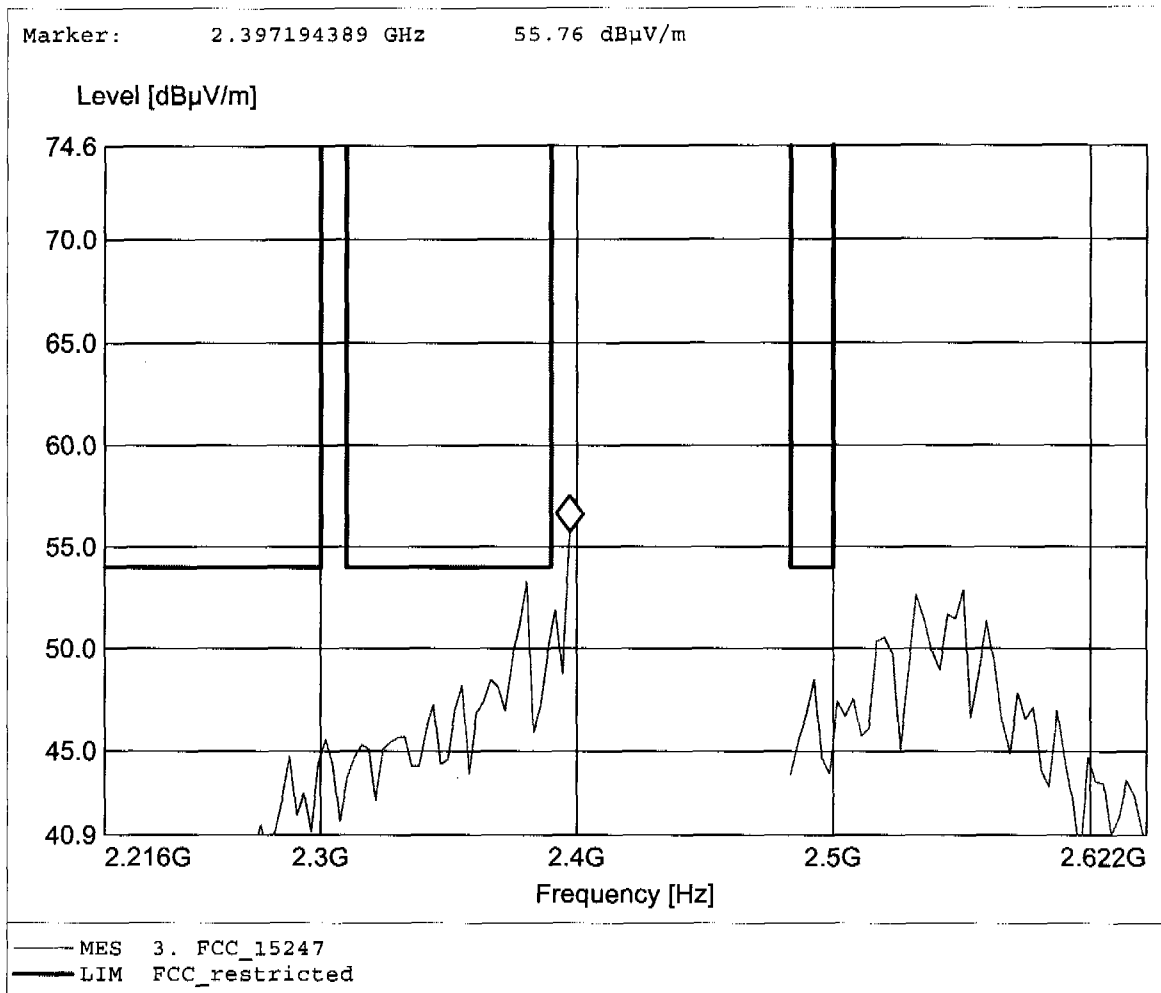
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 55.76dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

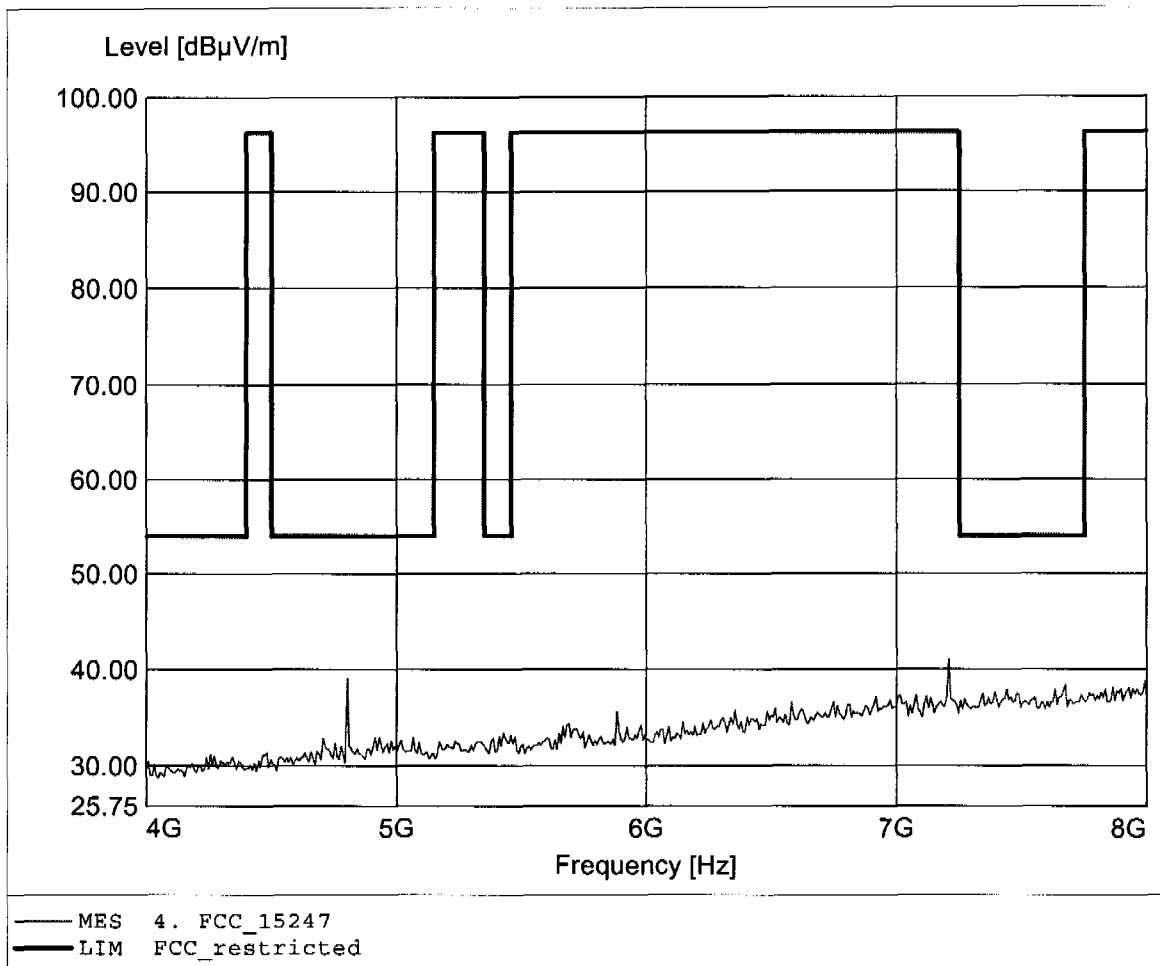
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 55.76dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

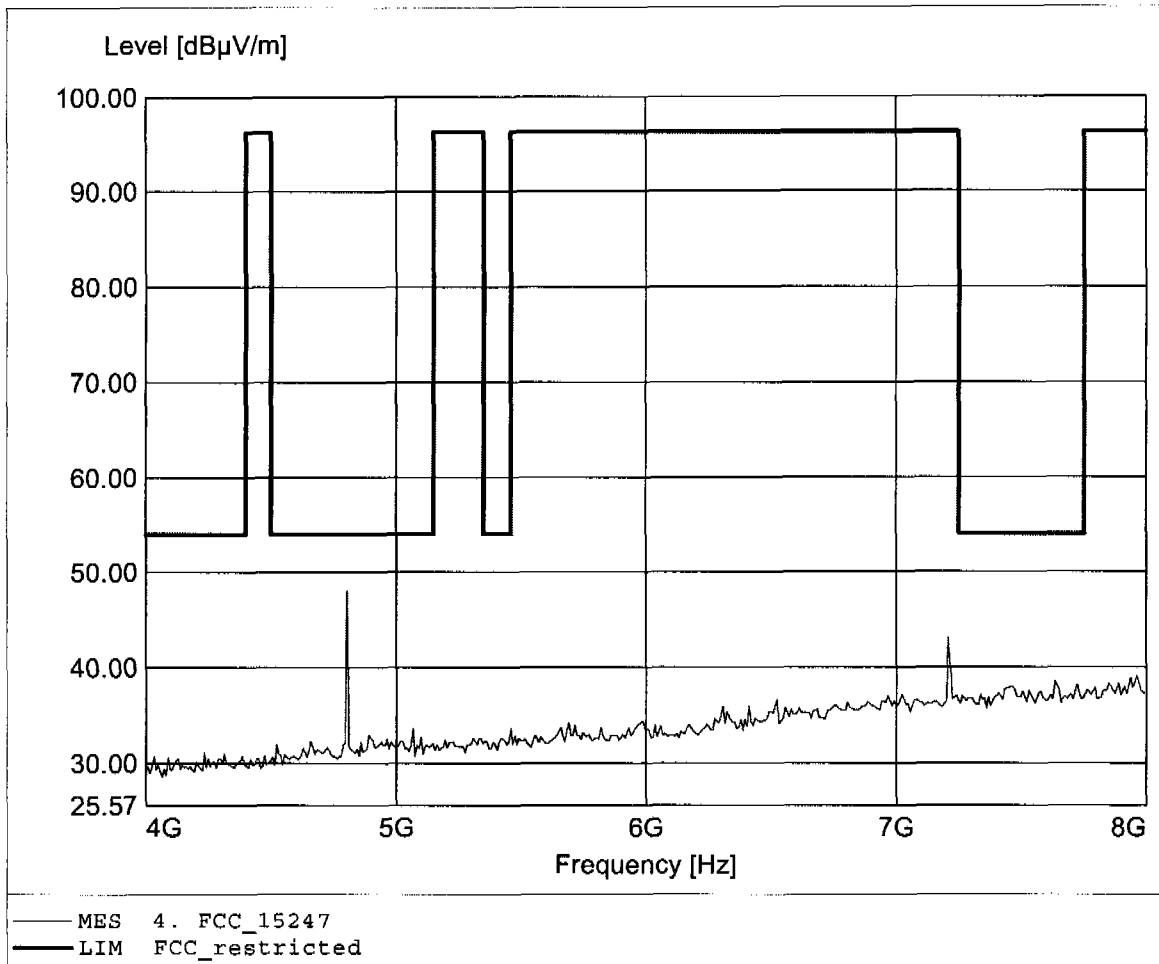
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.206GHz, Emax: 41.12dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

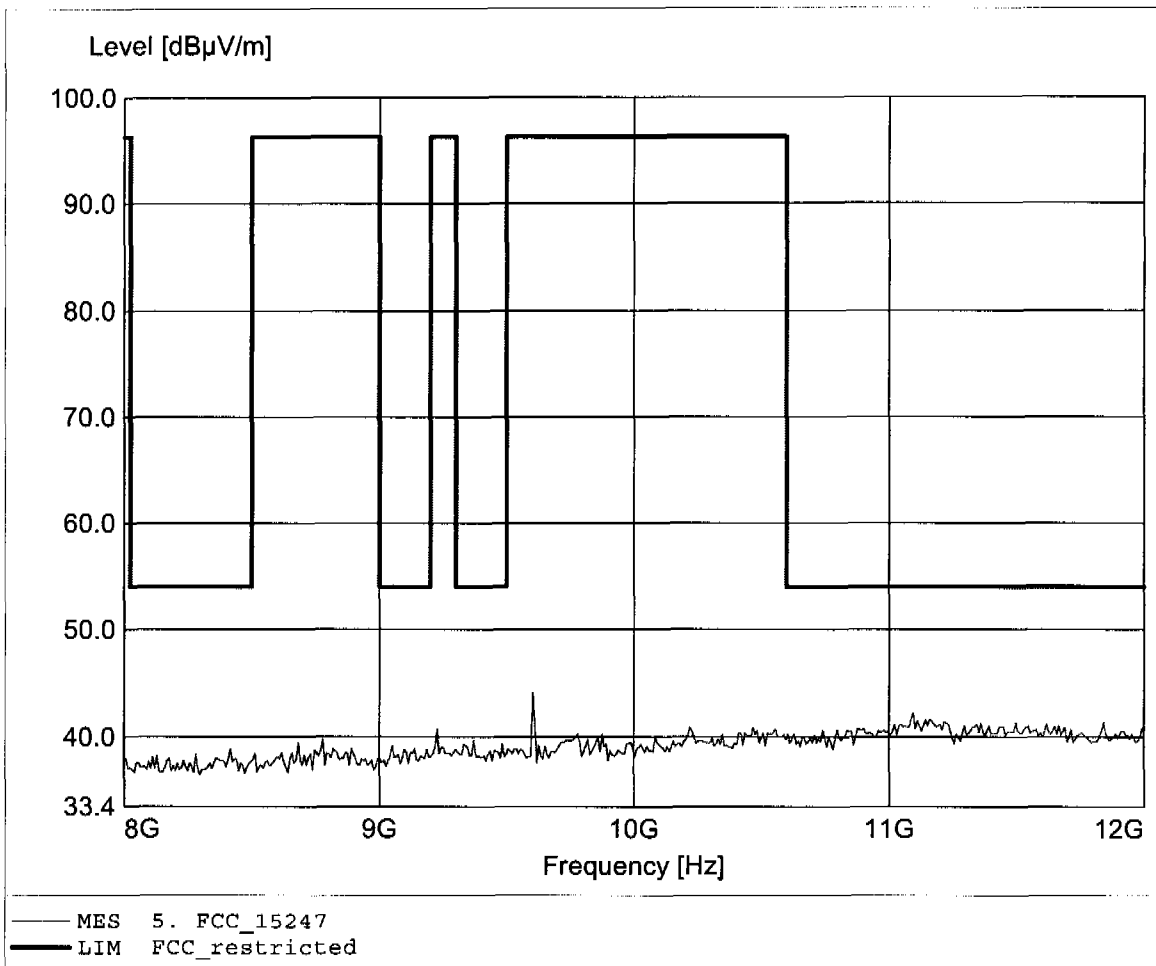
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 47.99dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

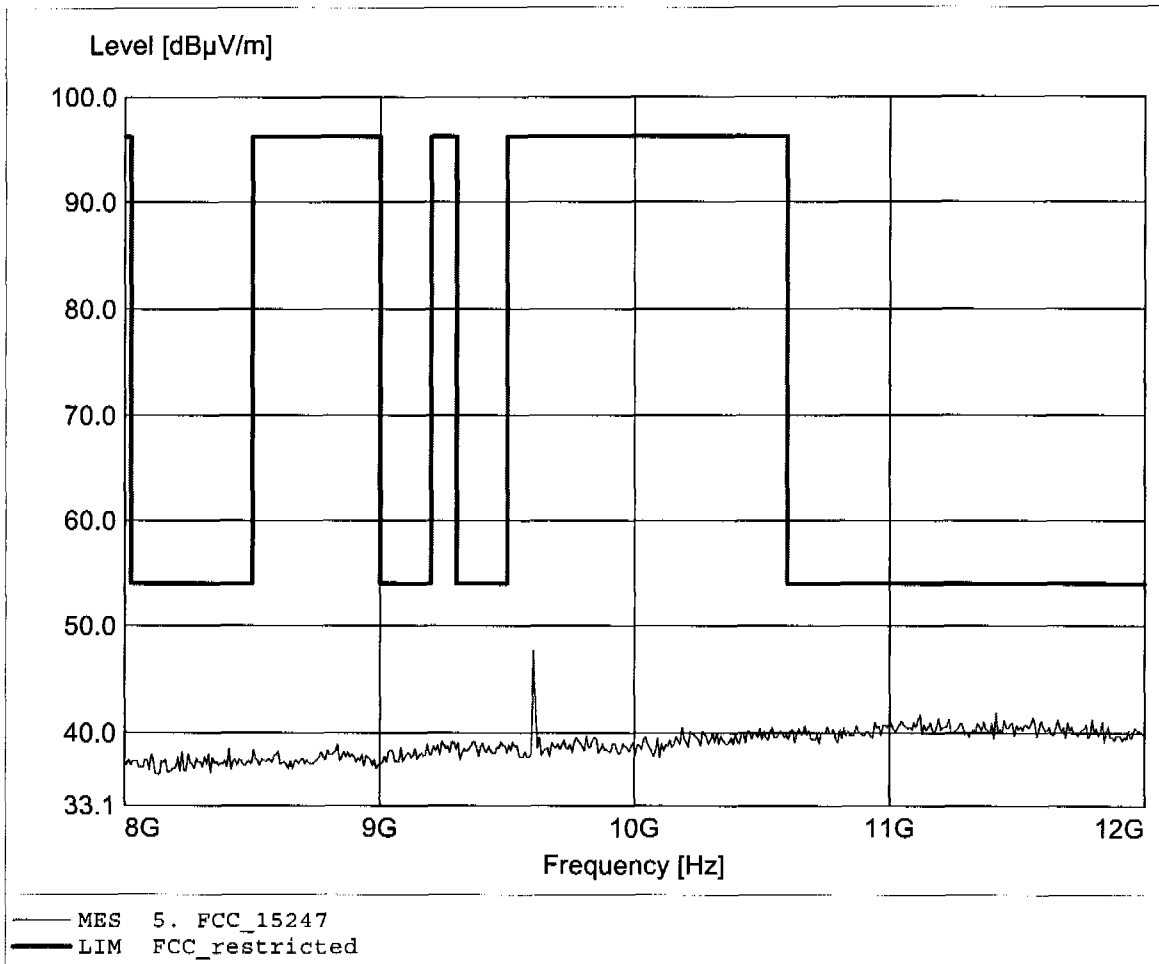
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.603GHz, Emax: 44.13dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

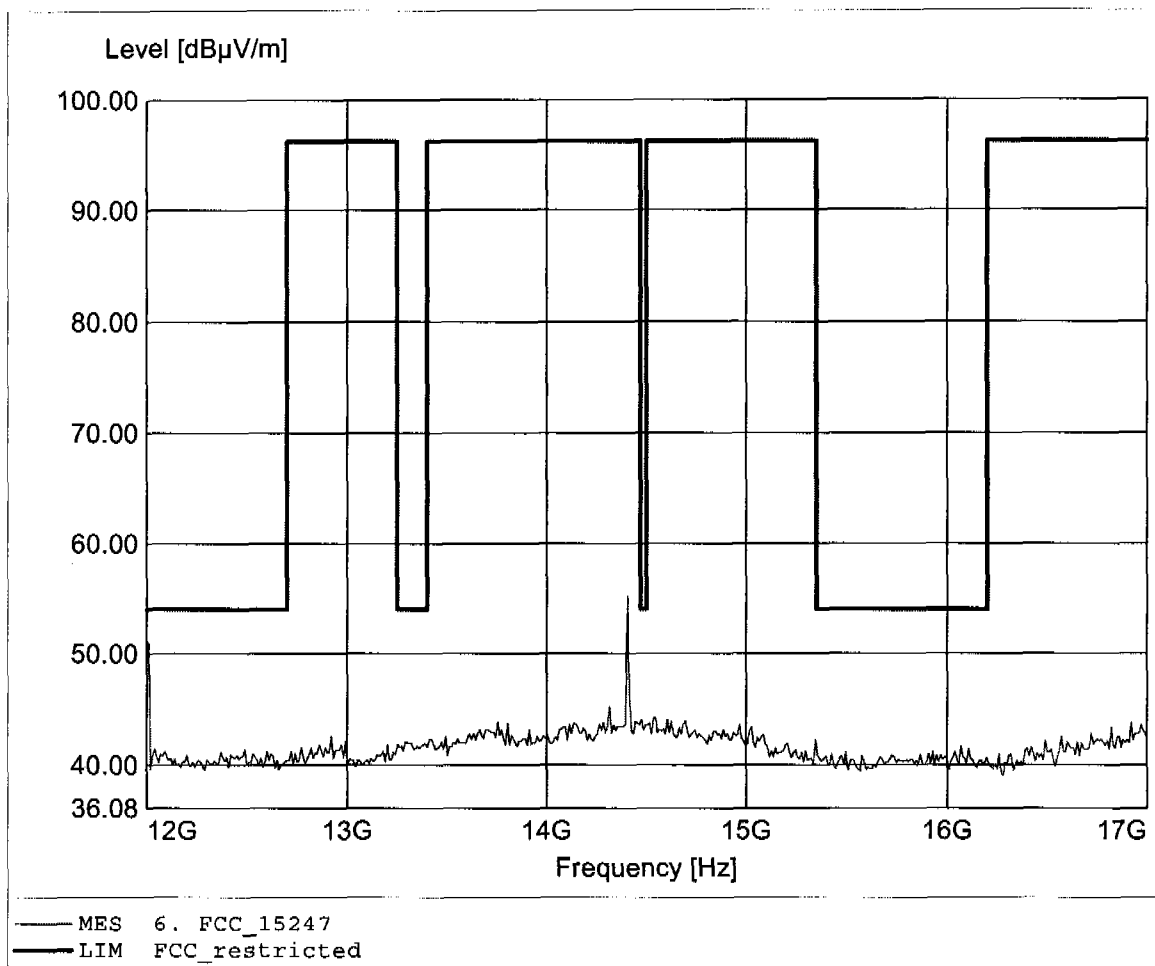
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.603GHz, Emax: 47.64dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

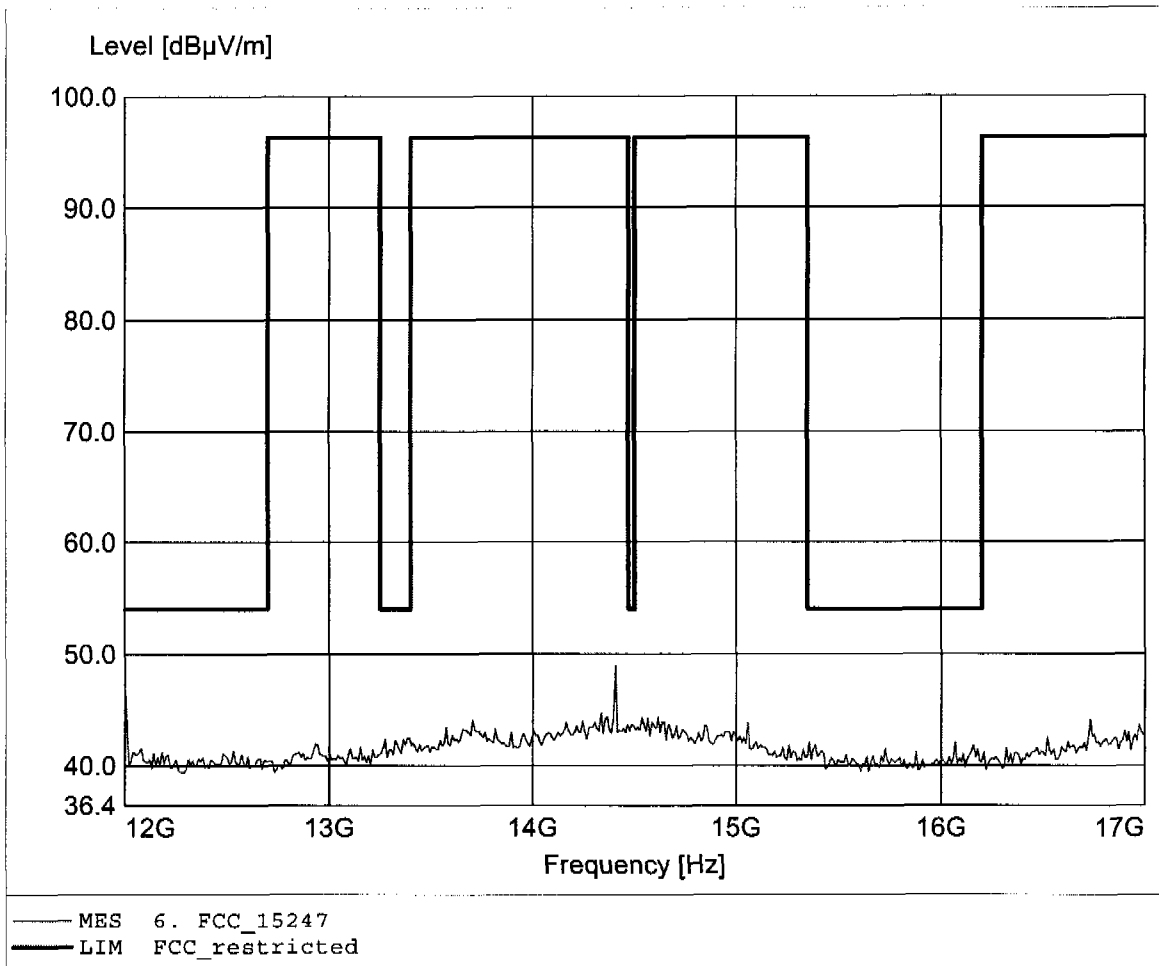
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.405GHz, Emax: 55.21dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

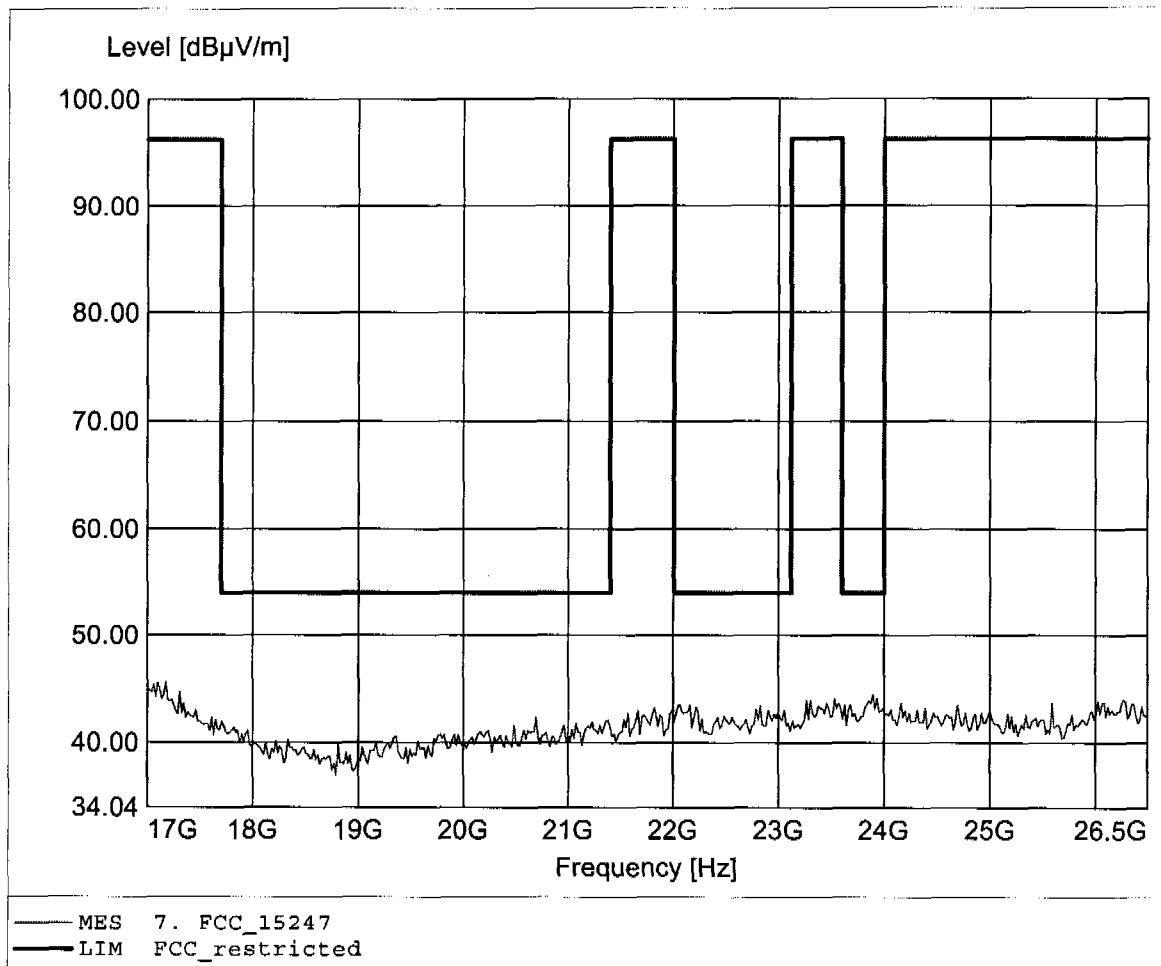
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.405GHz, Emax: 48.97dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

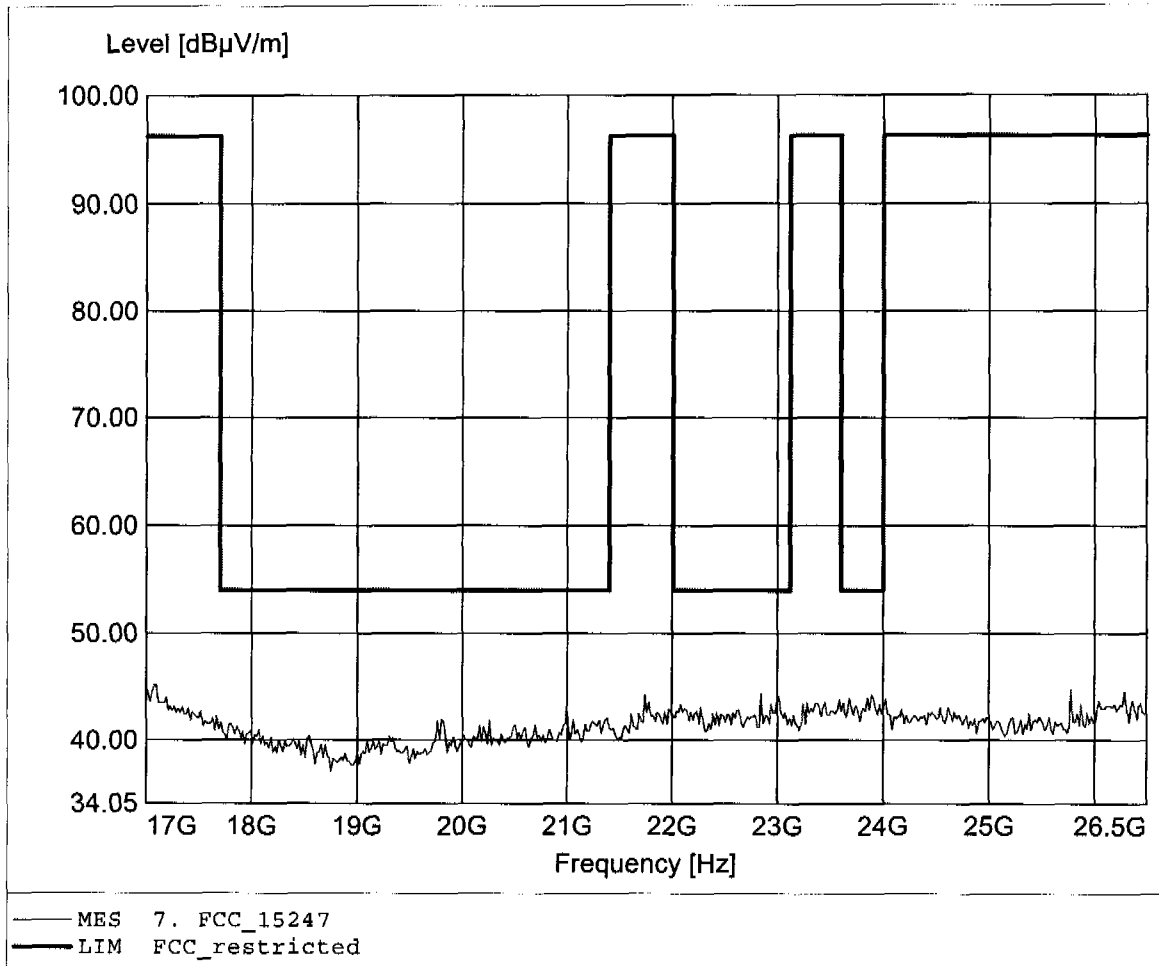
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.171GHz, Emax: 45.59dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

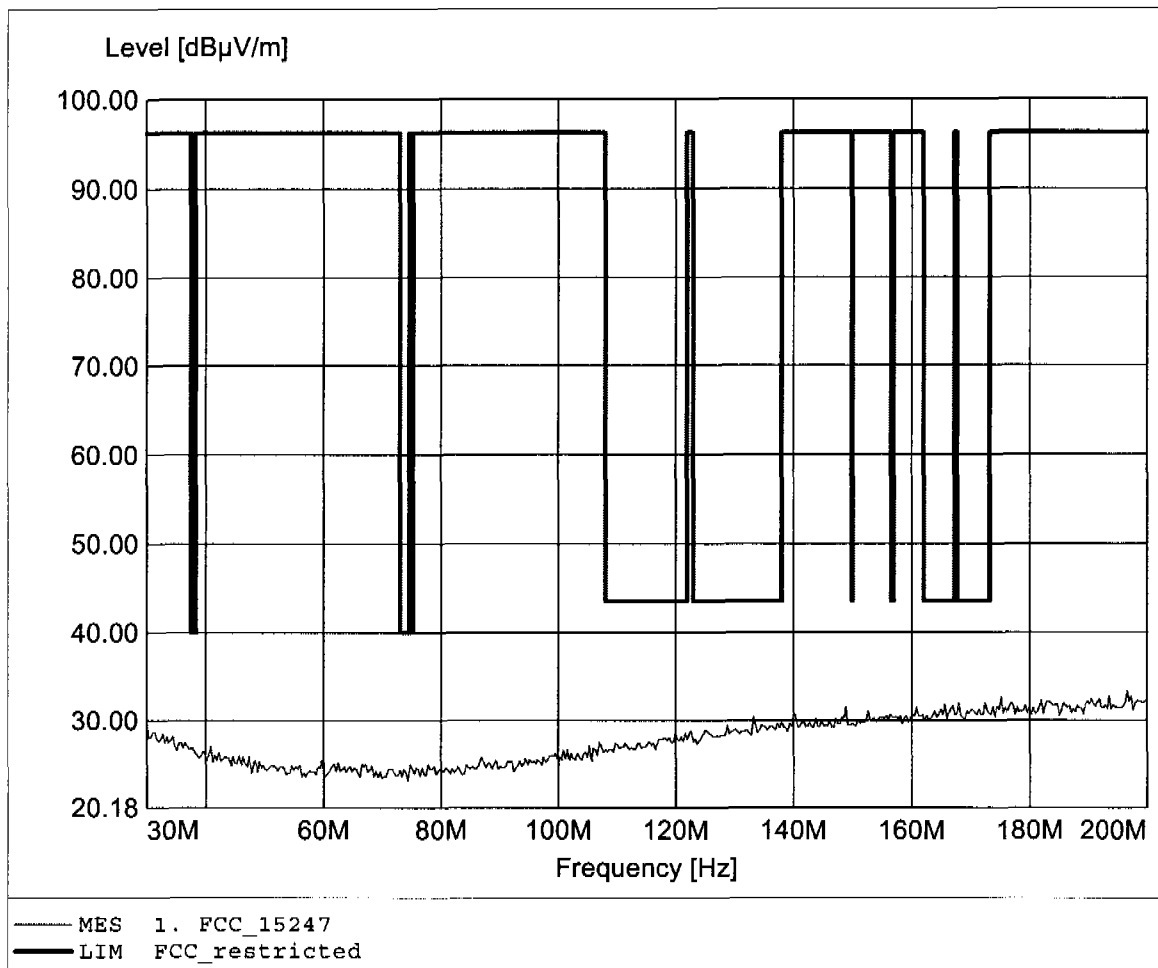
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 0
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.076GHz, Emax: 45.24dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

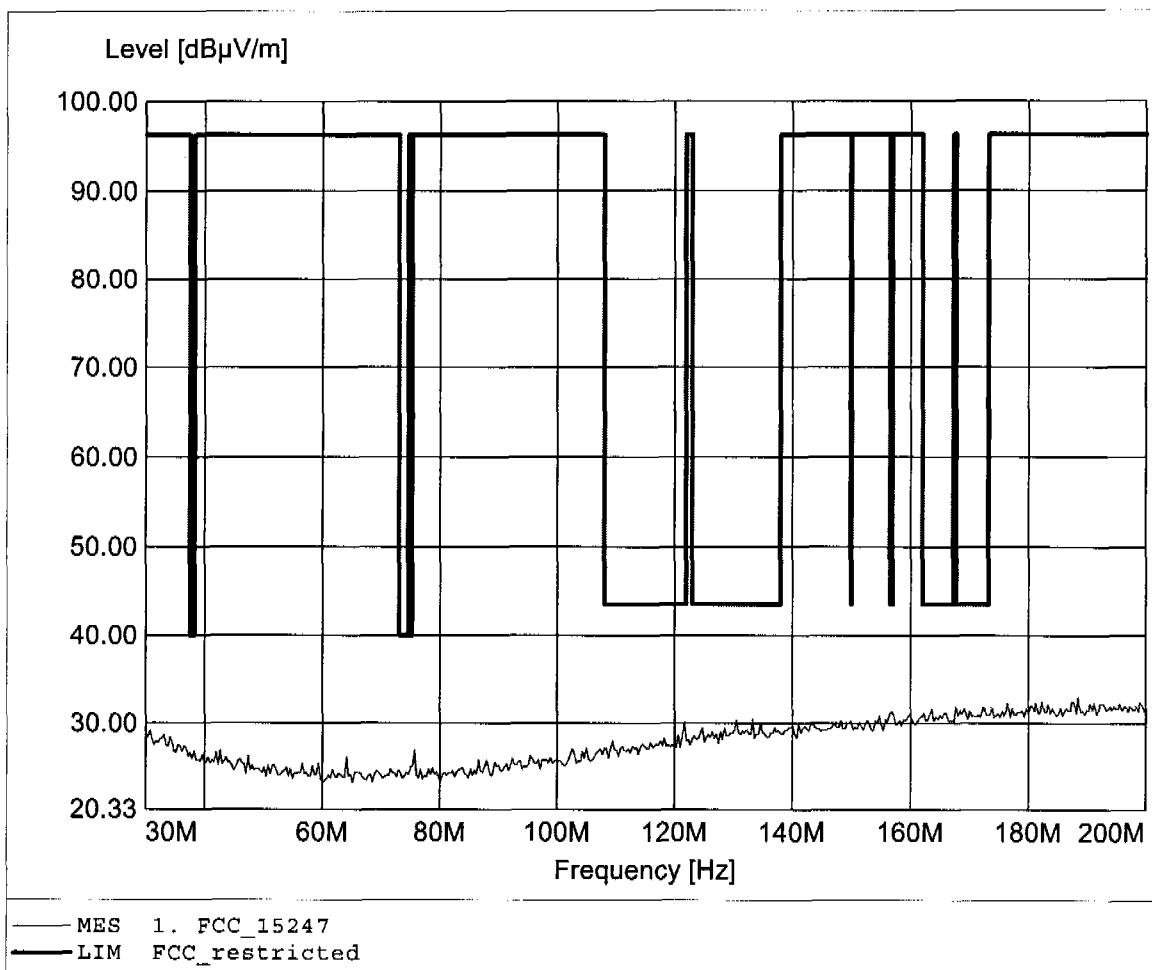
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 196.593MHz, Emax: 33.38dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

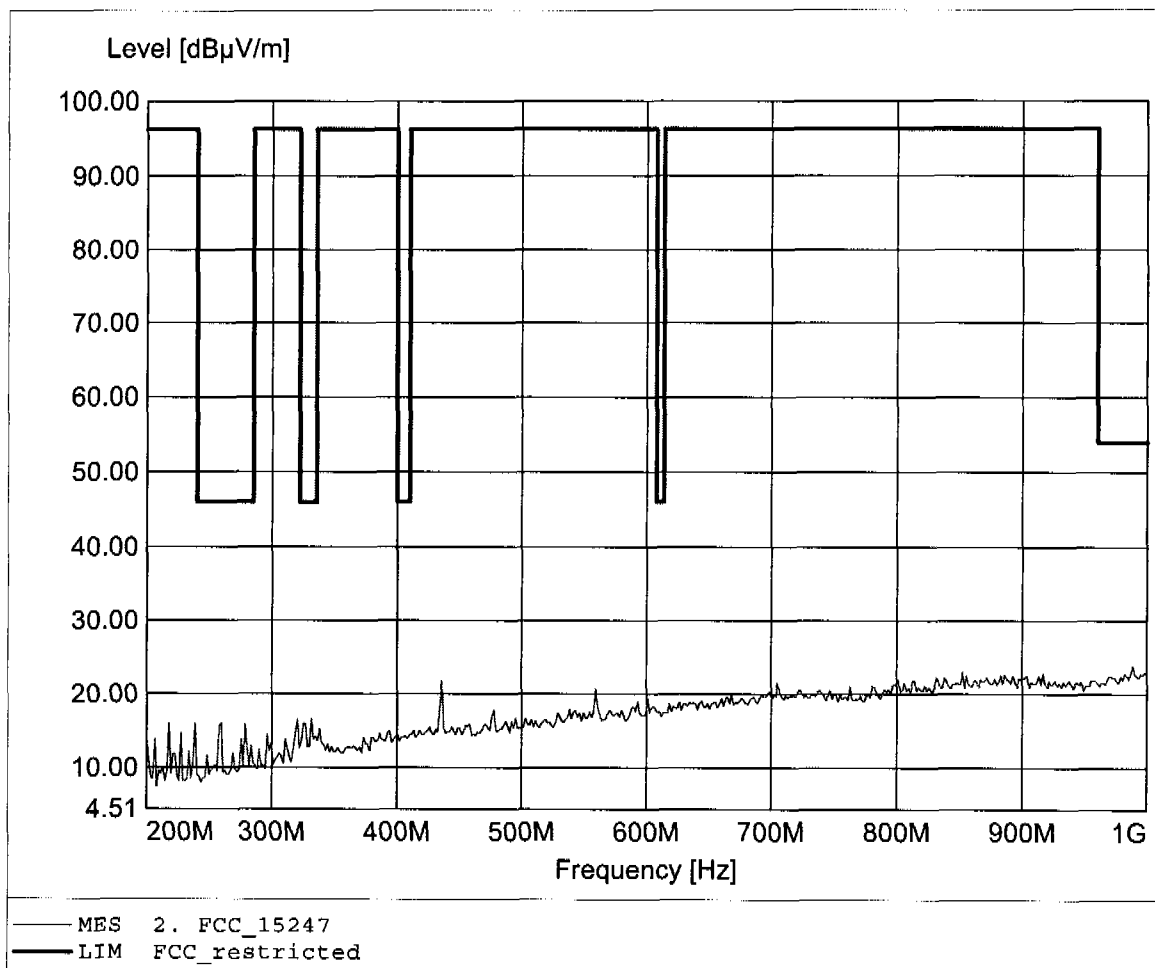
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 188.417MHz, Emax: 33.01dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

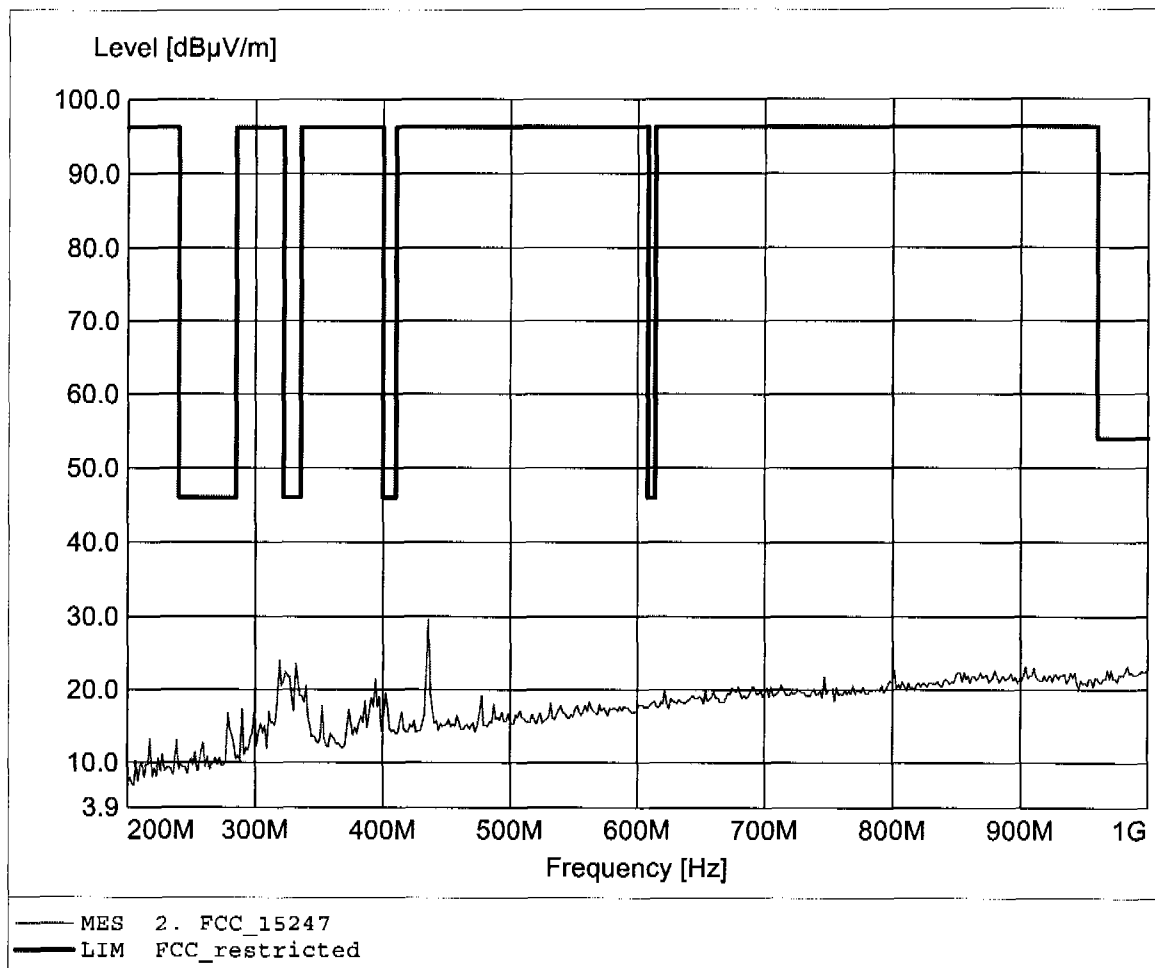
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 988.778MHz, Emax: 23.94dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

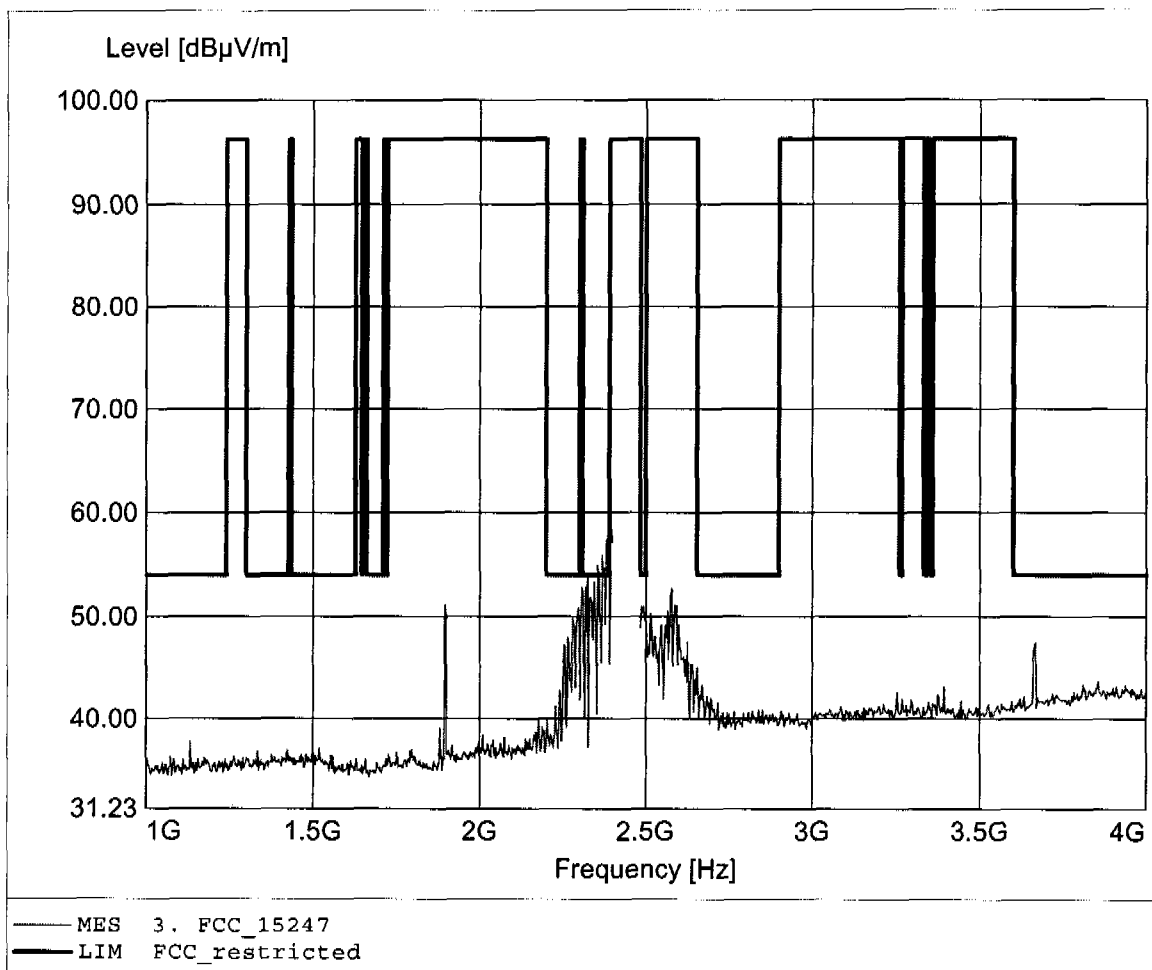
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 435.671MHz, Emax: 29.64dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

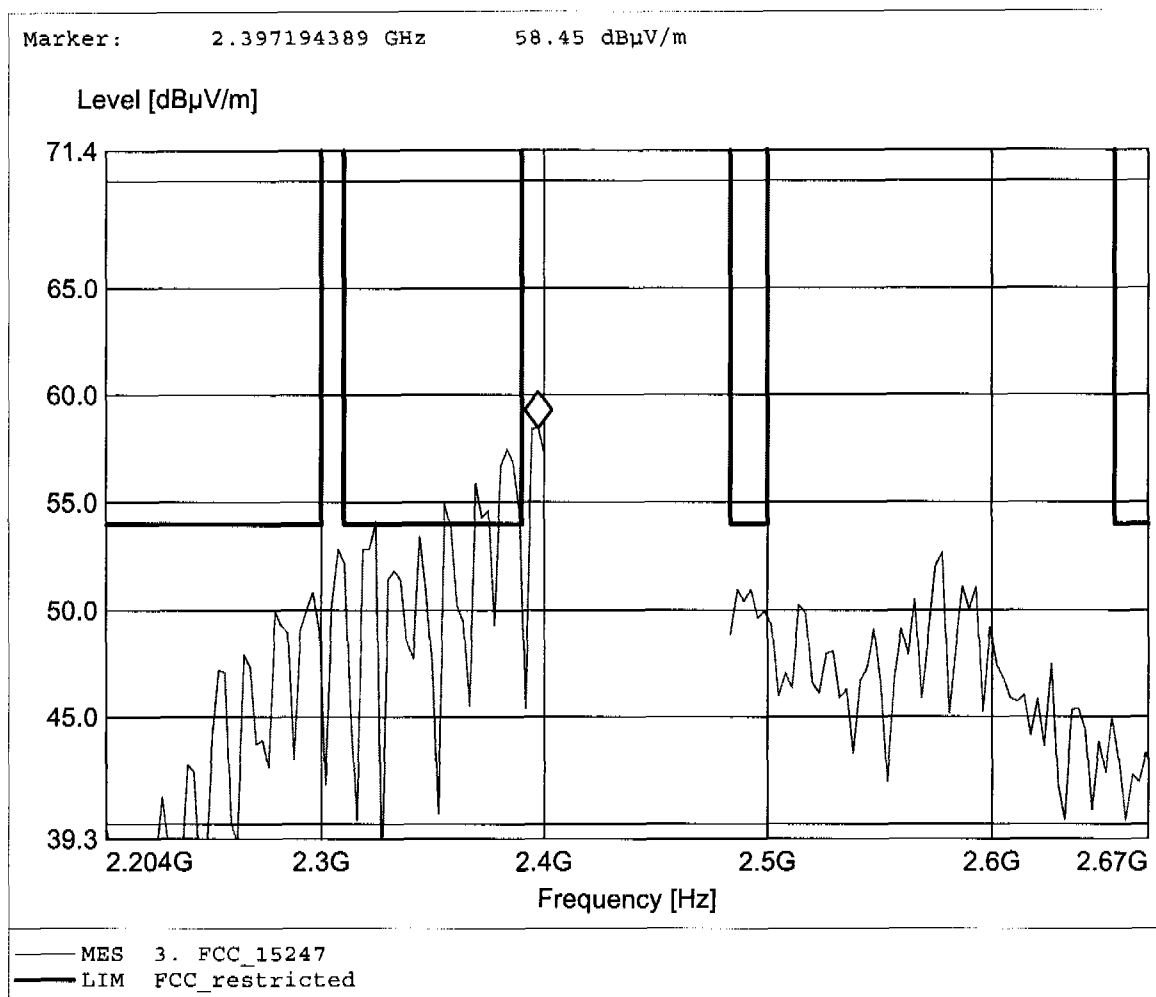
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 58.45dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

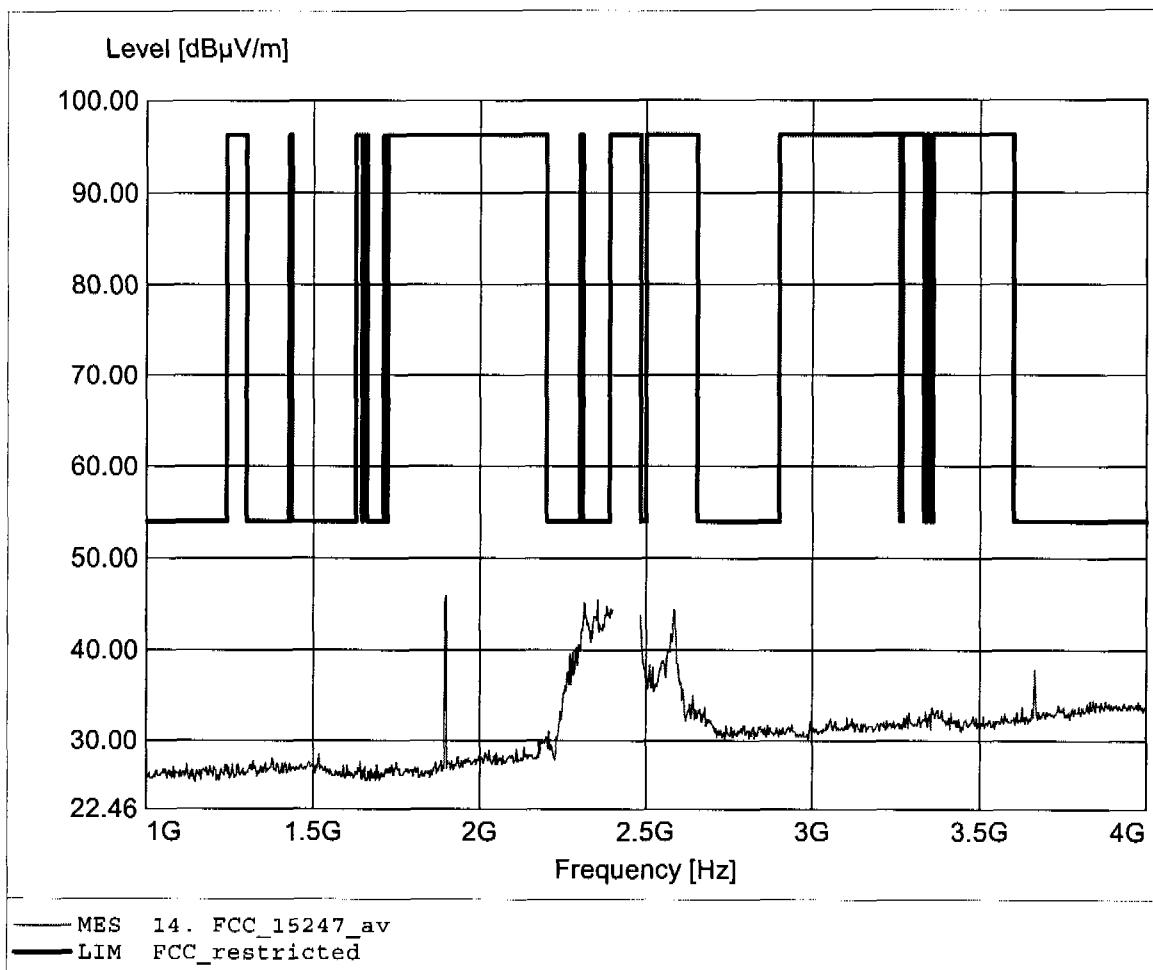
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 58.45dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

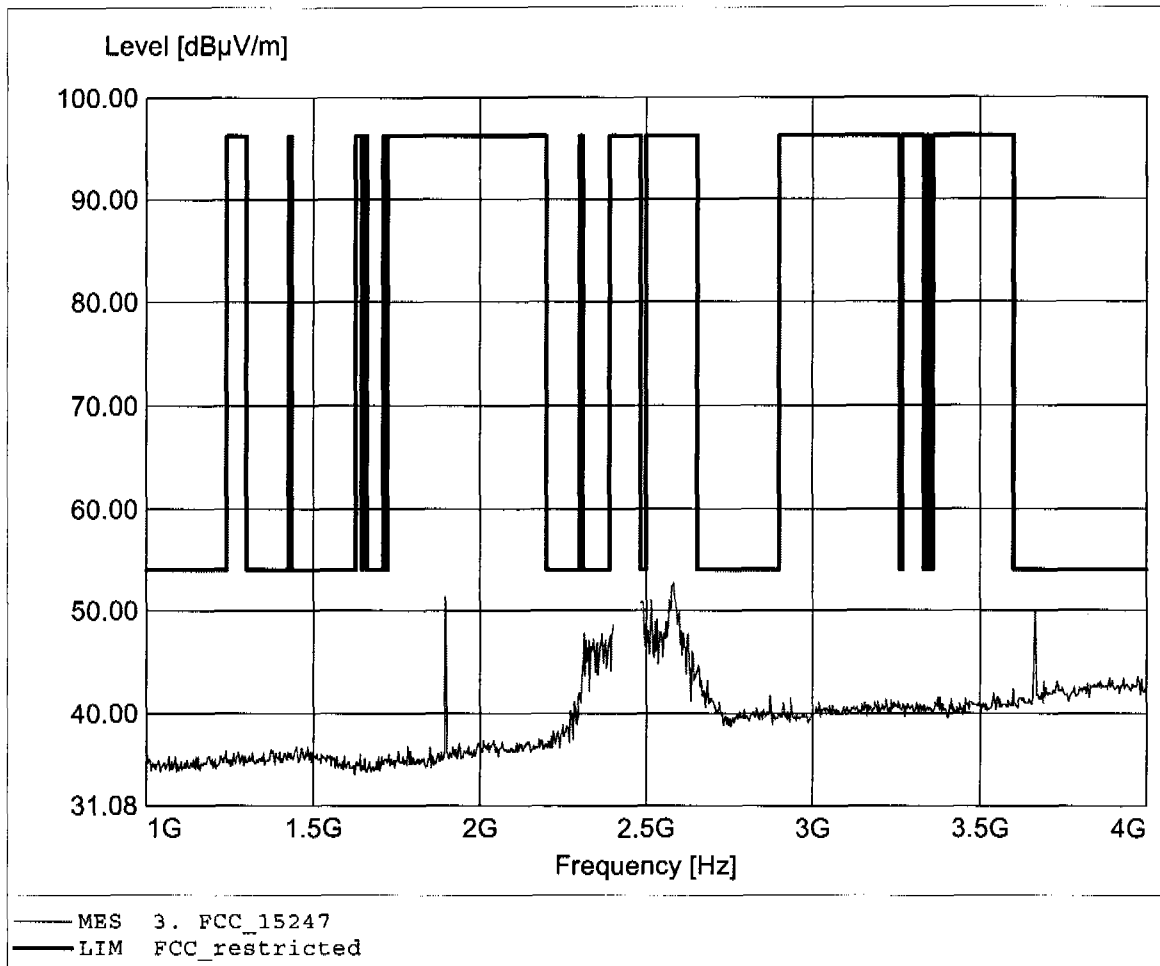
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.898GHz, Emax: 45.90dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

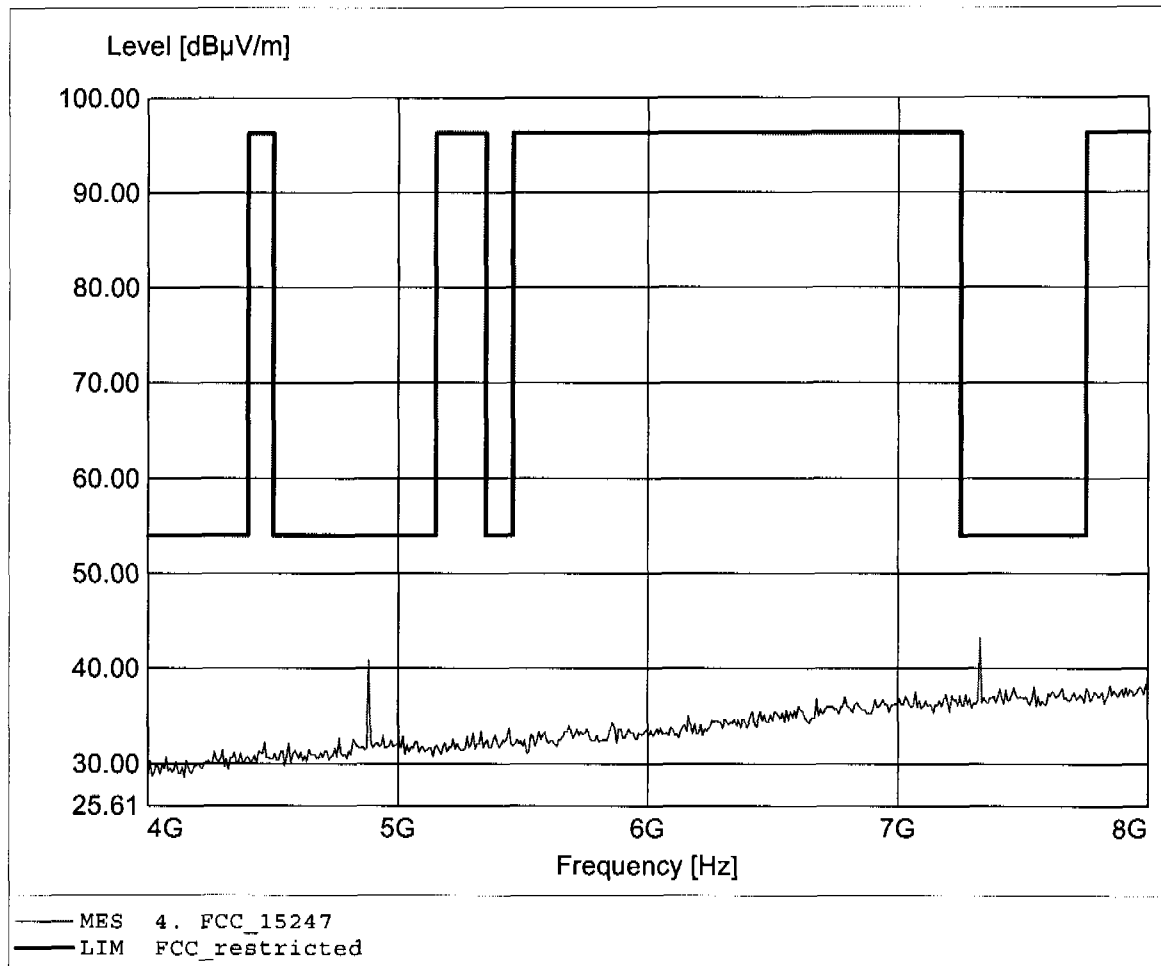
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.584GHz, Emax: 52.75dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

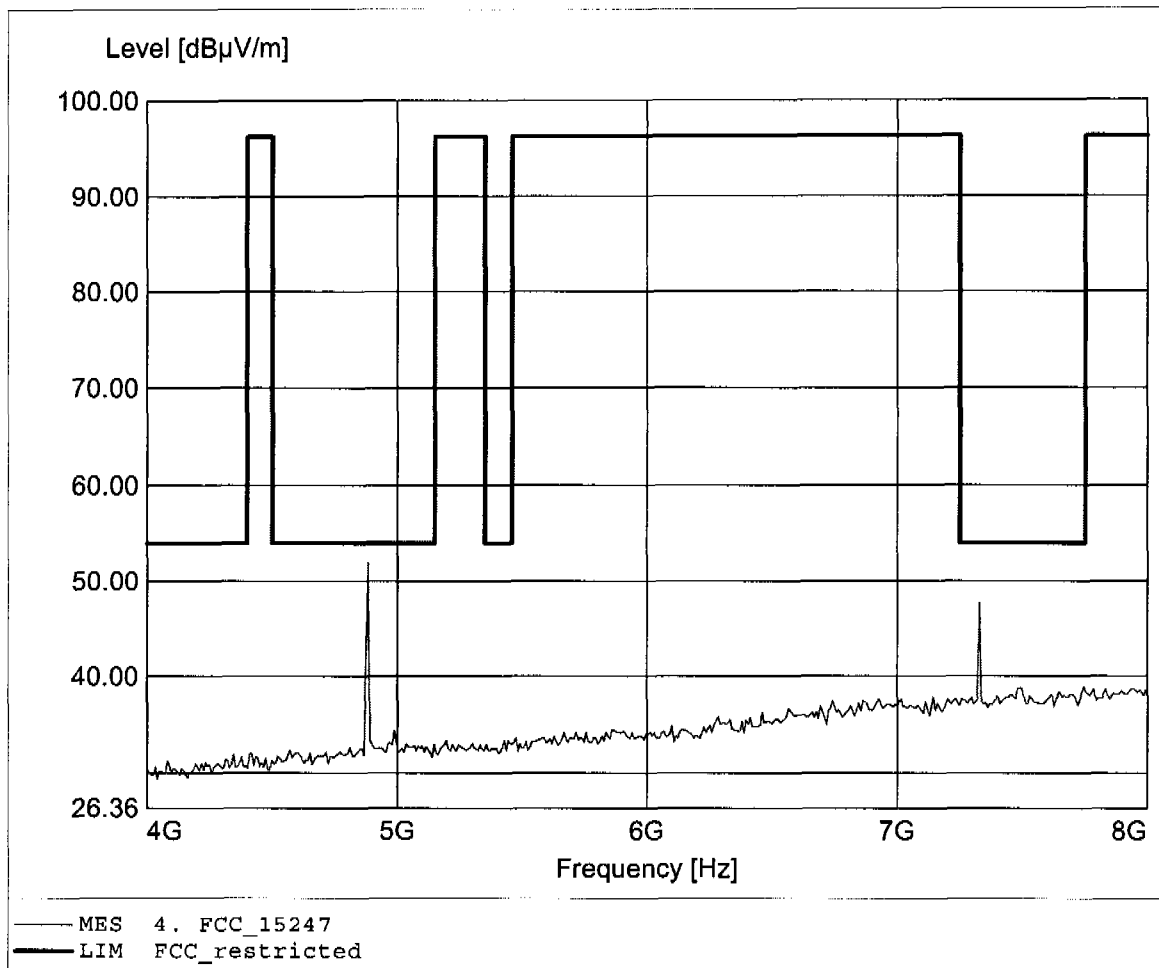
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.327GHz, Emax: 43.22dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

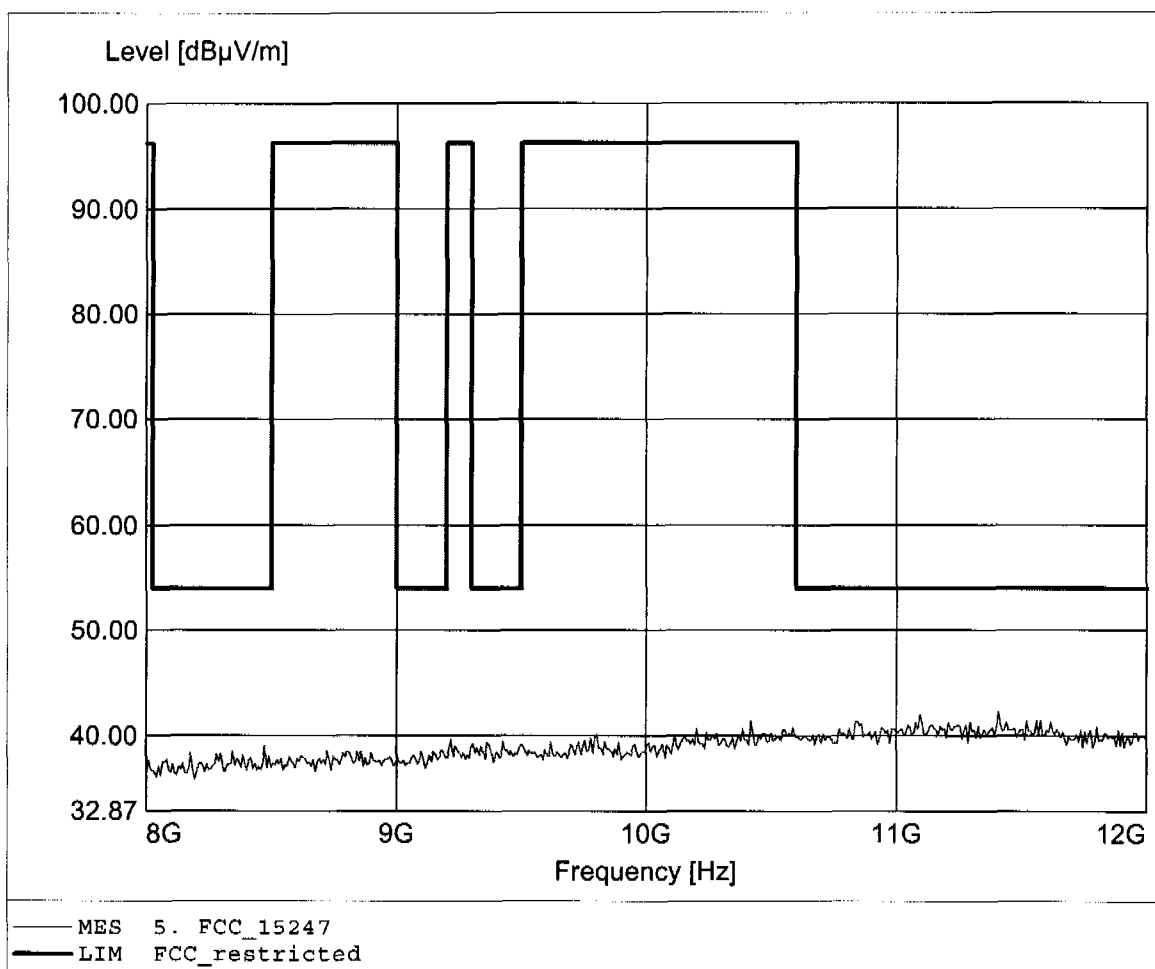
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 51.99dB μ V/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

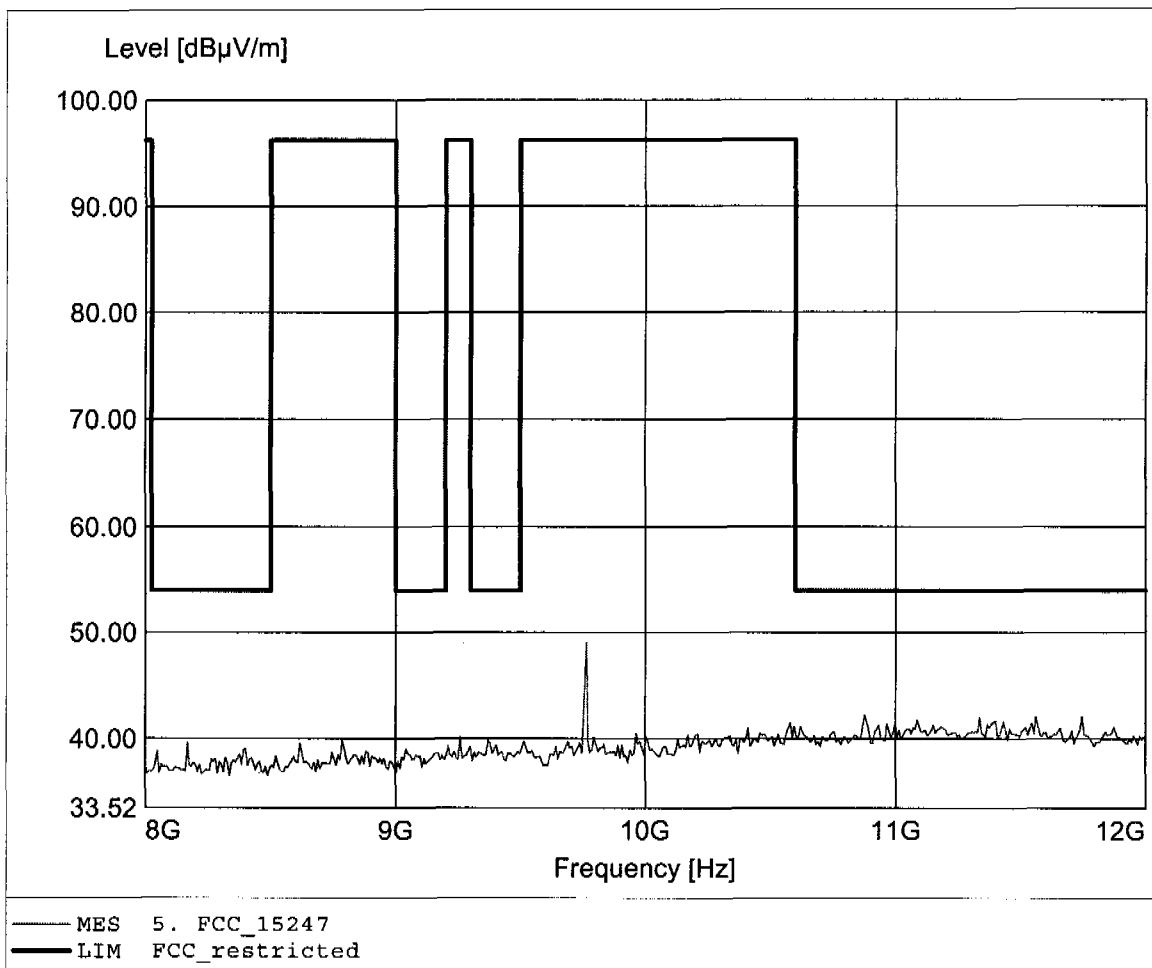
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.407GHz, Emax: 42.25dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

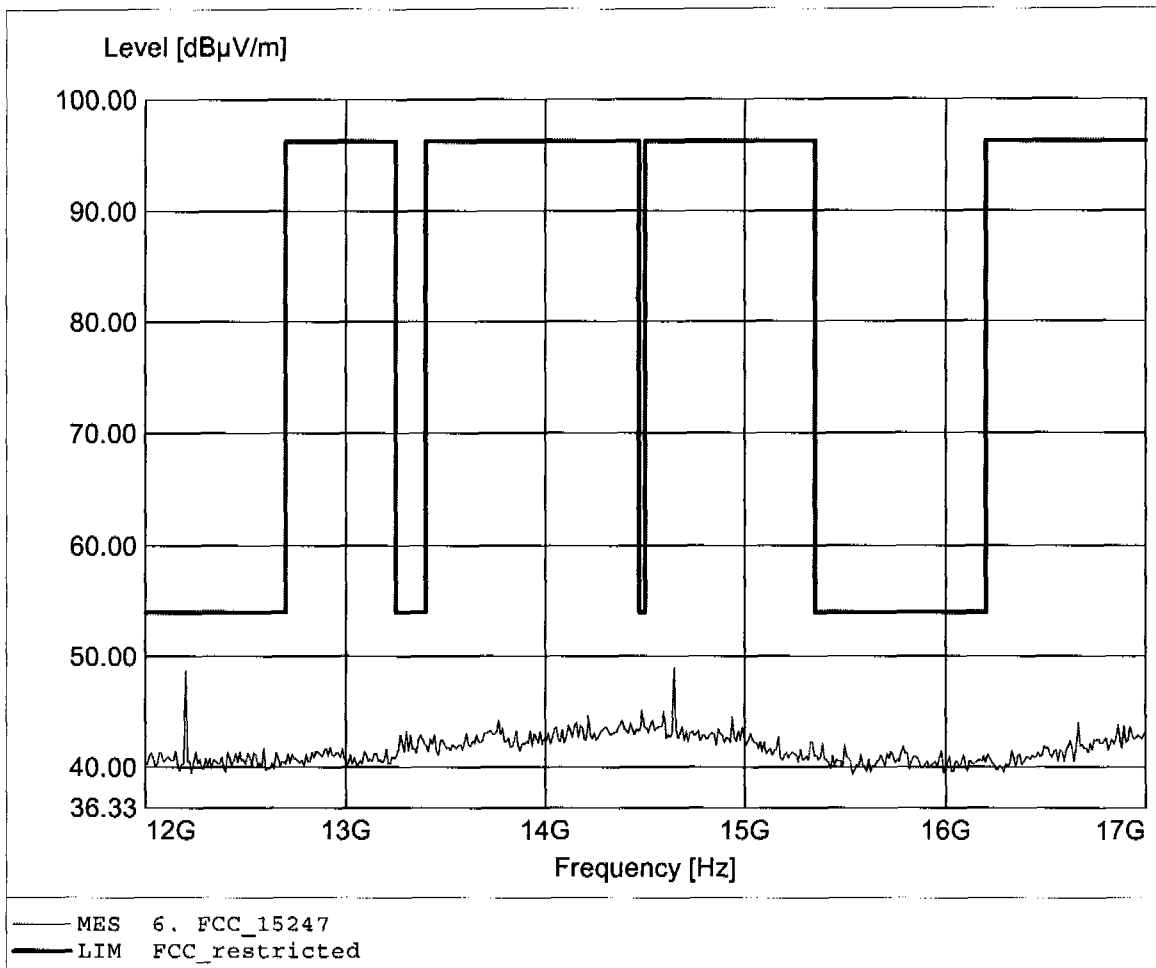
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.764GHz, Emax: 49.10dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

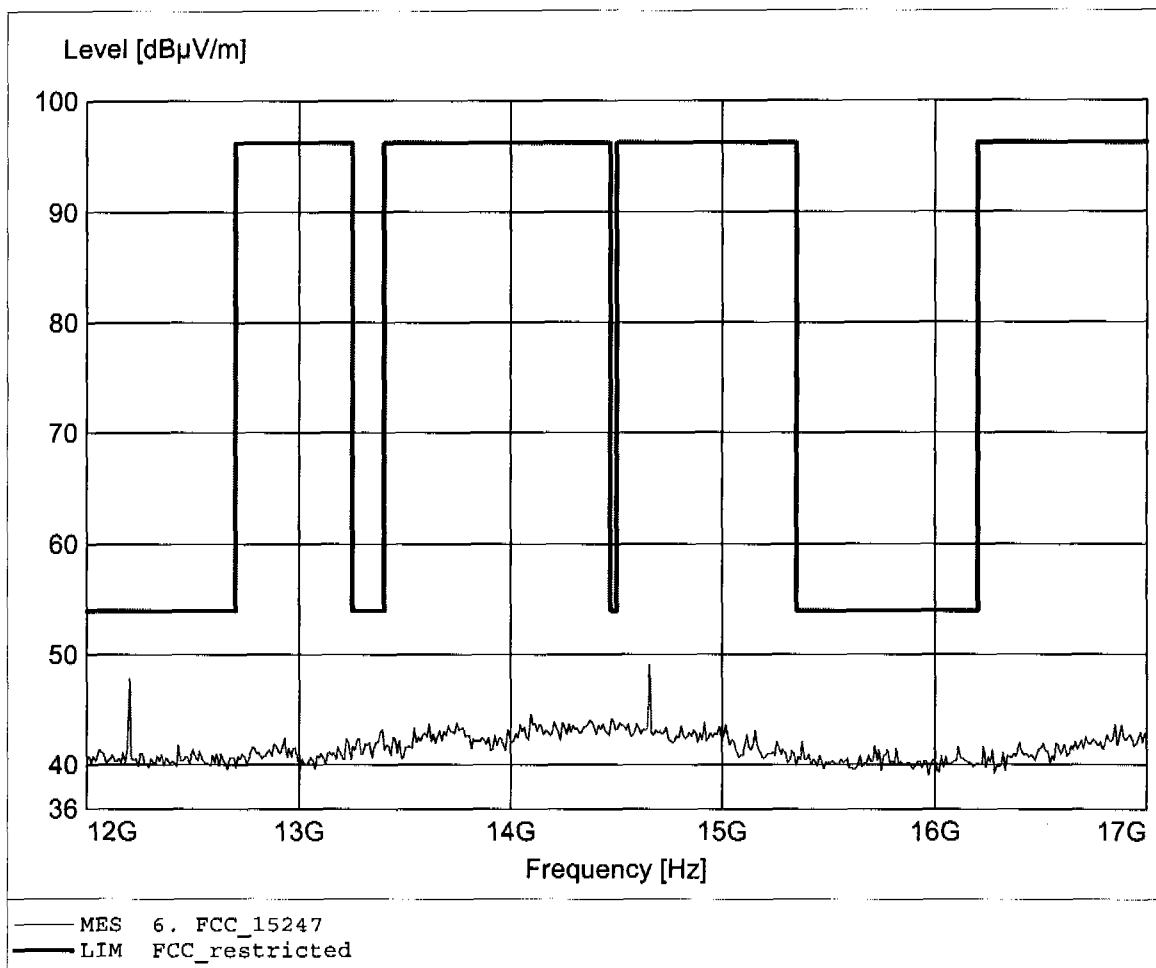
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.645GHz, Emax: 48.92dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

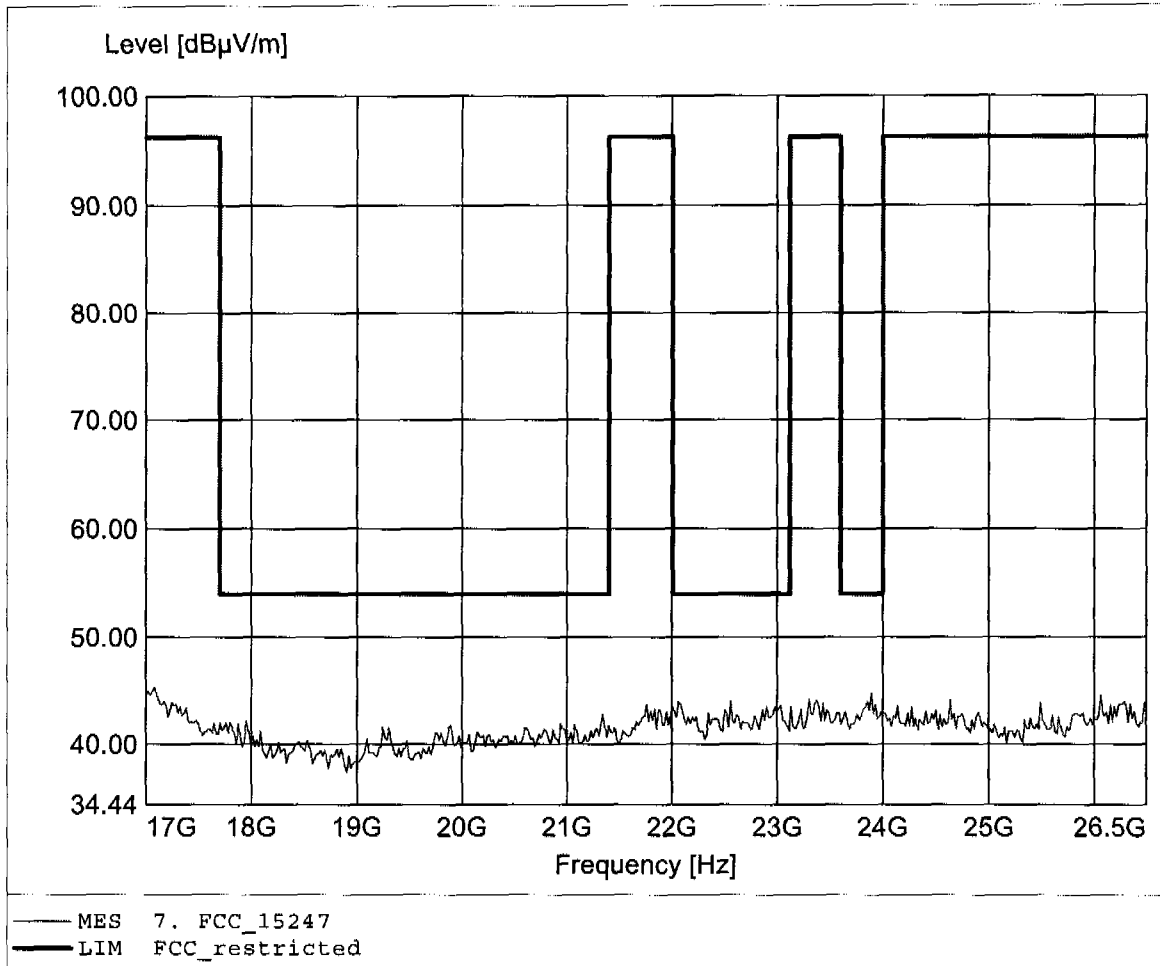
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.655GHz, Emax: 49.12dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

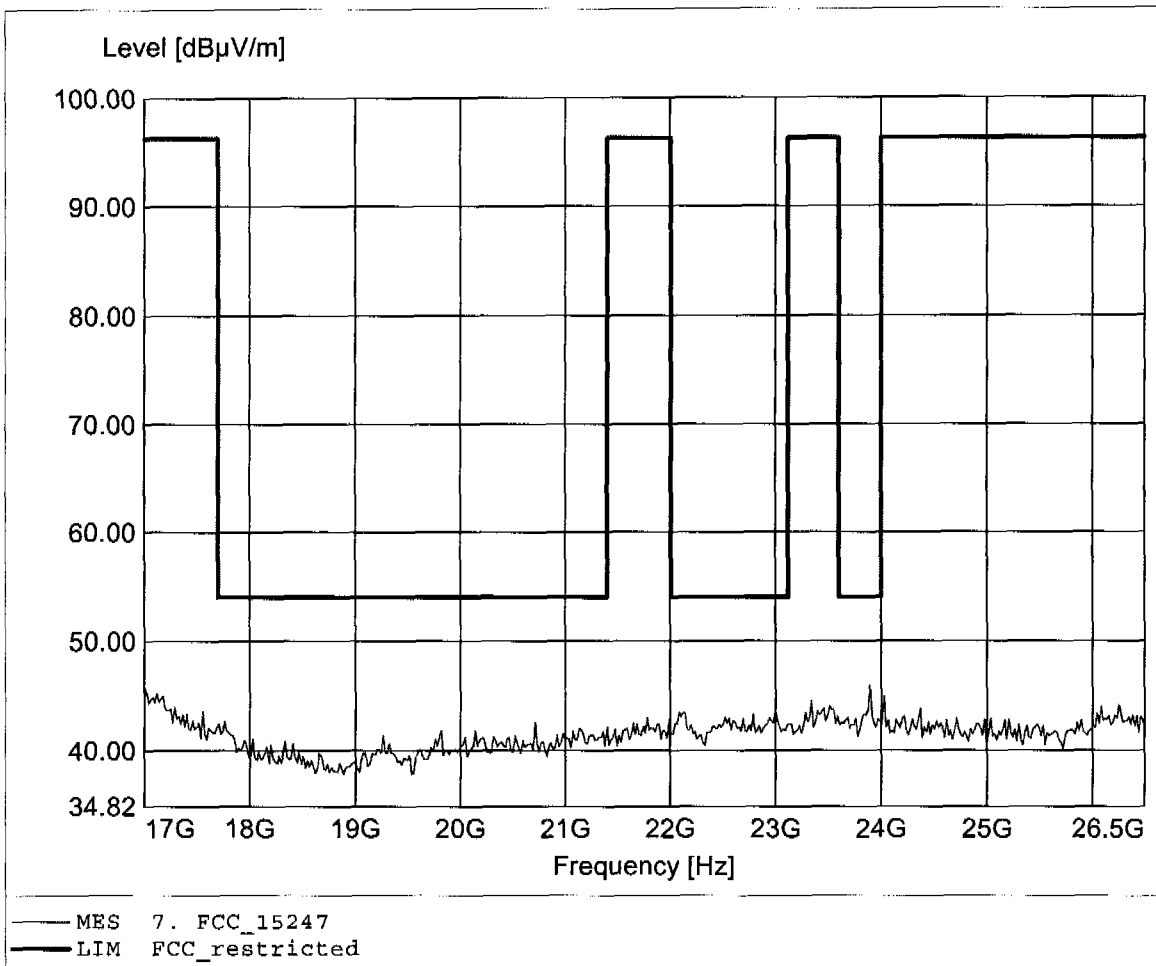
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.076GHz, Emax: 45.34dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

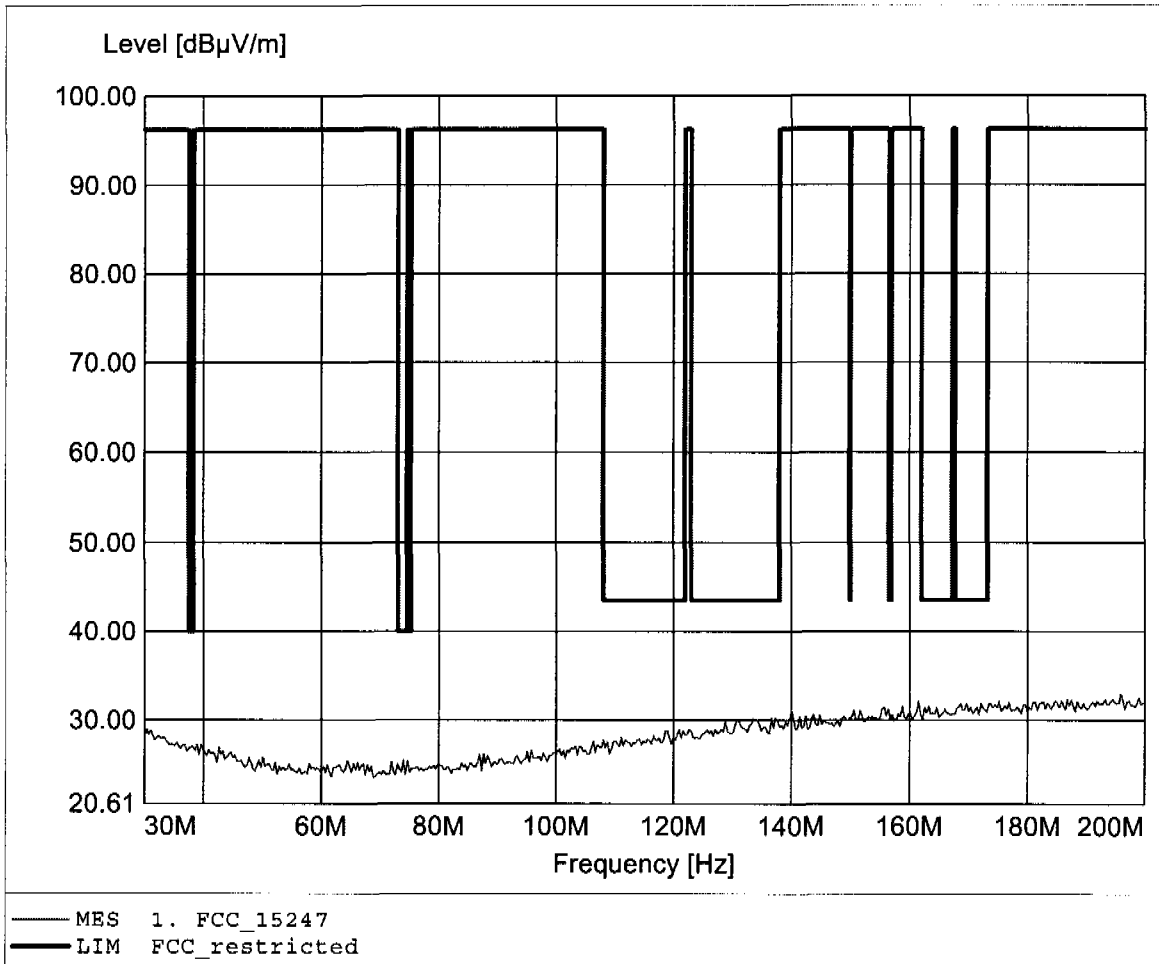
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 23
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 23.892GHz, Emax: 46.04dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

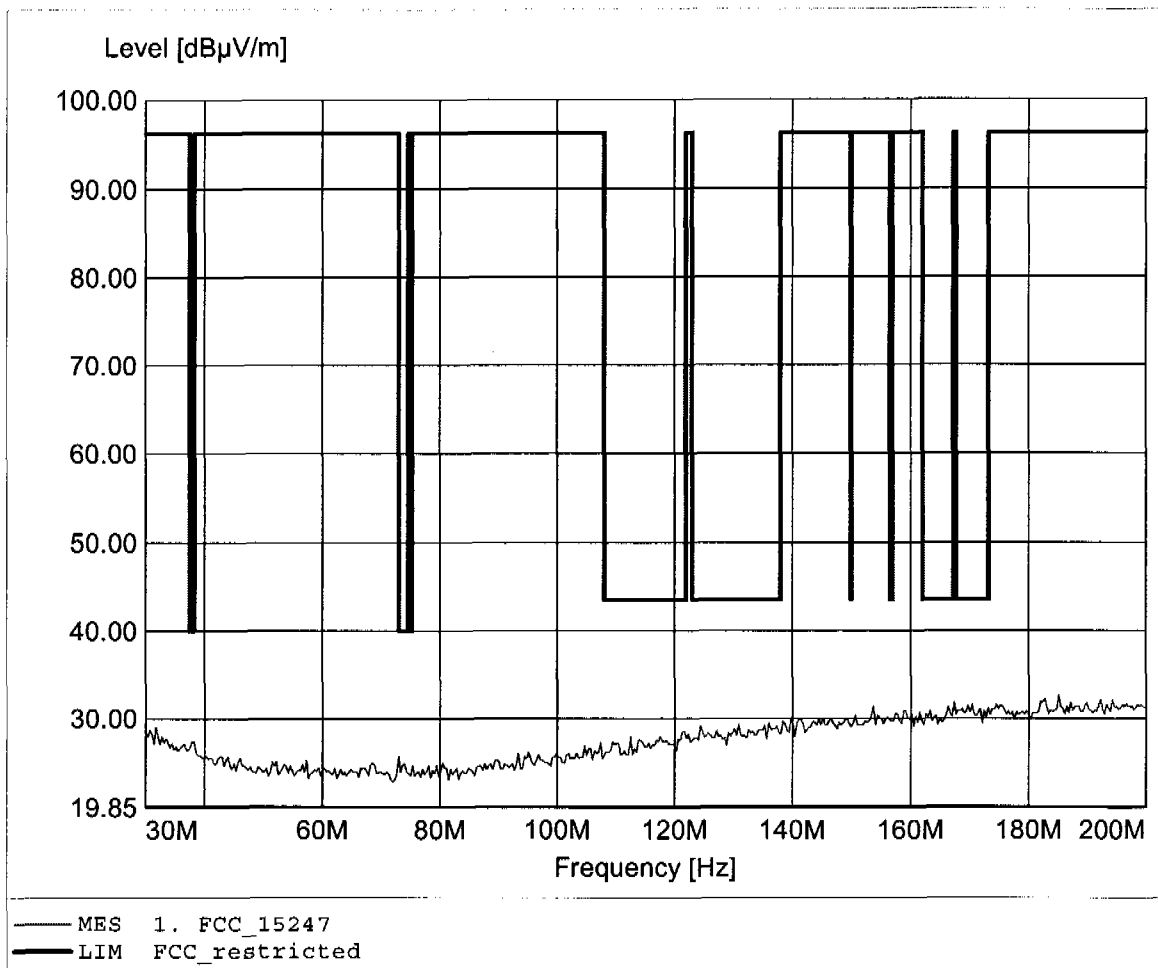
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.912MHz, Emax: 33.00dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

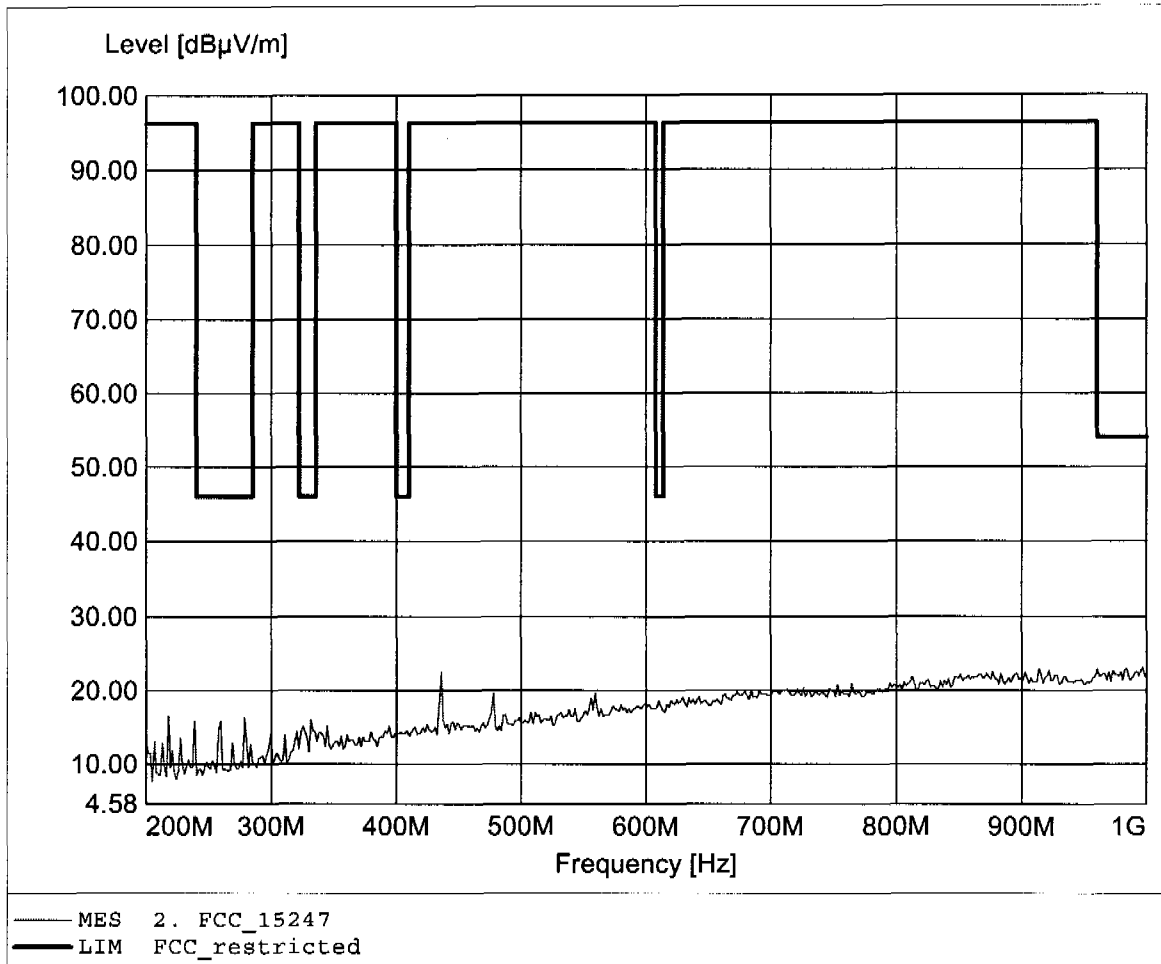
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 185.010MHz, Emax: 32.73dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

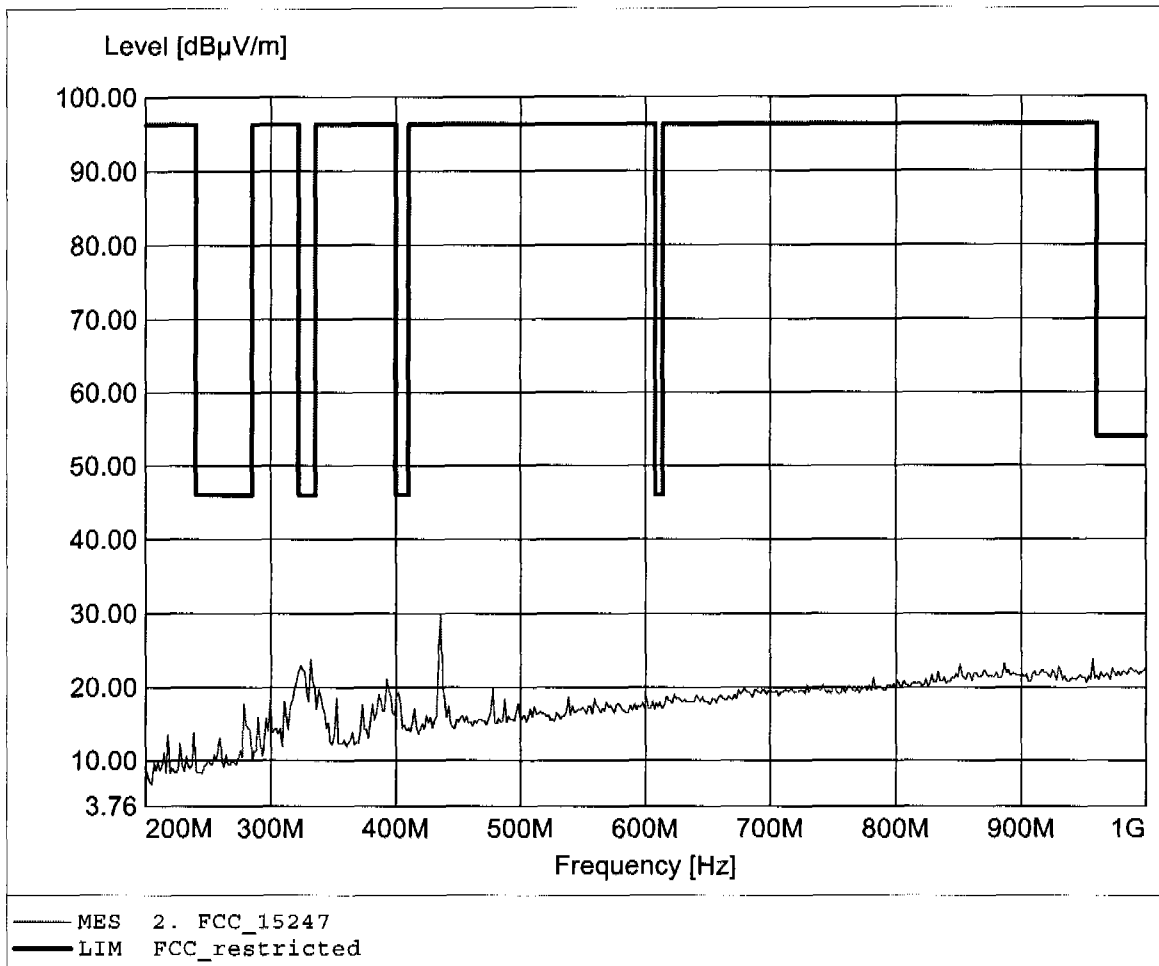
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 996.794MHz, Emax: 23.15dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

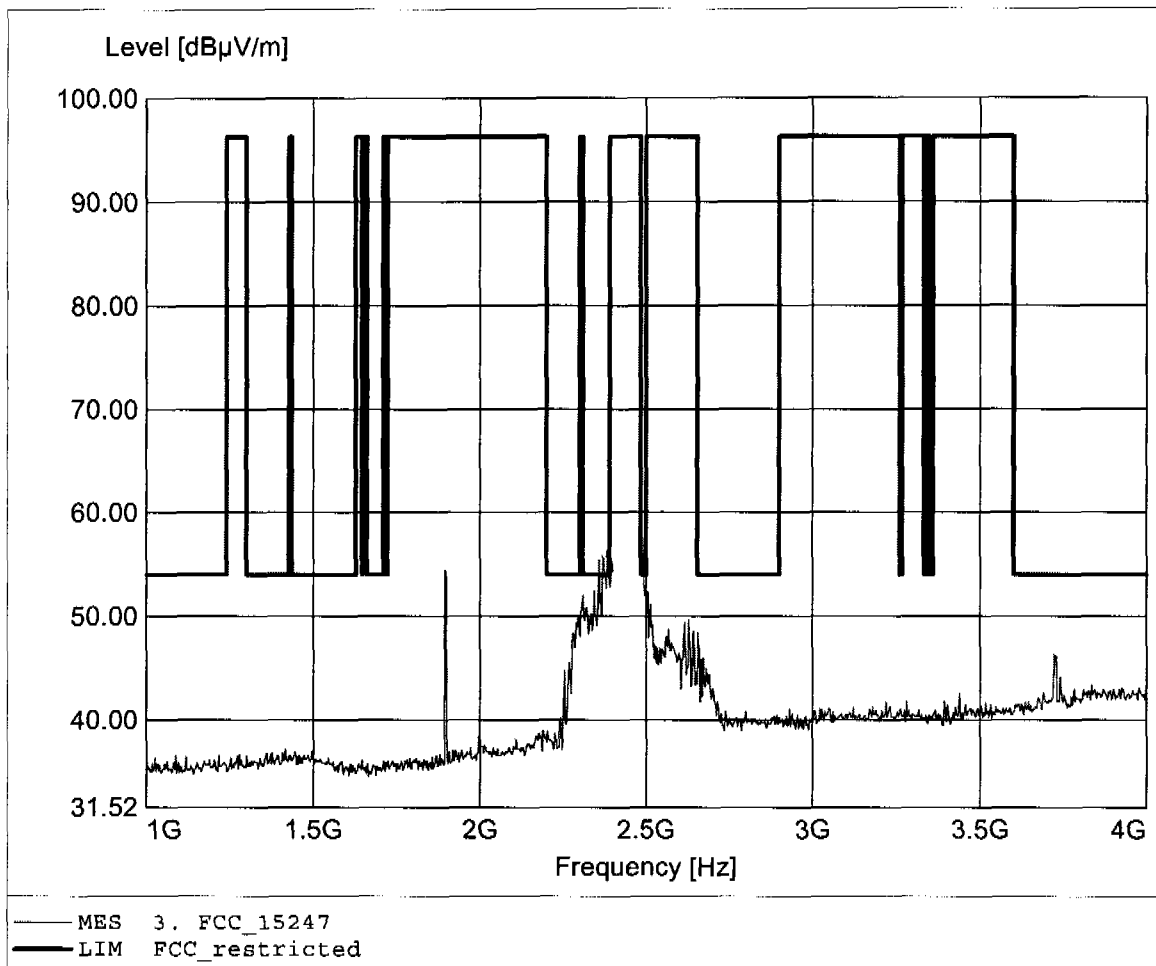
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 435.671MHz, Emax: 29.83dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

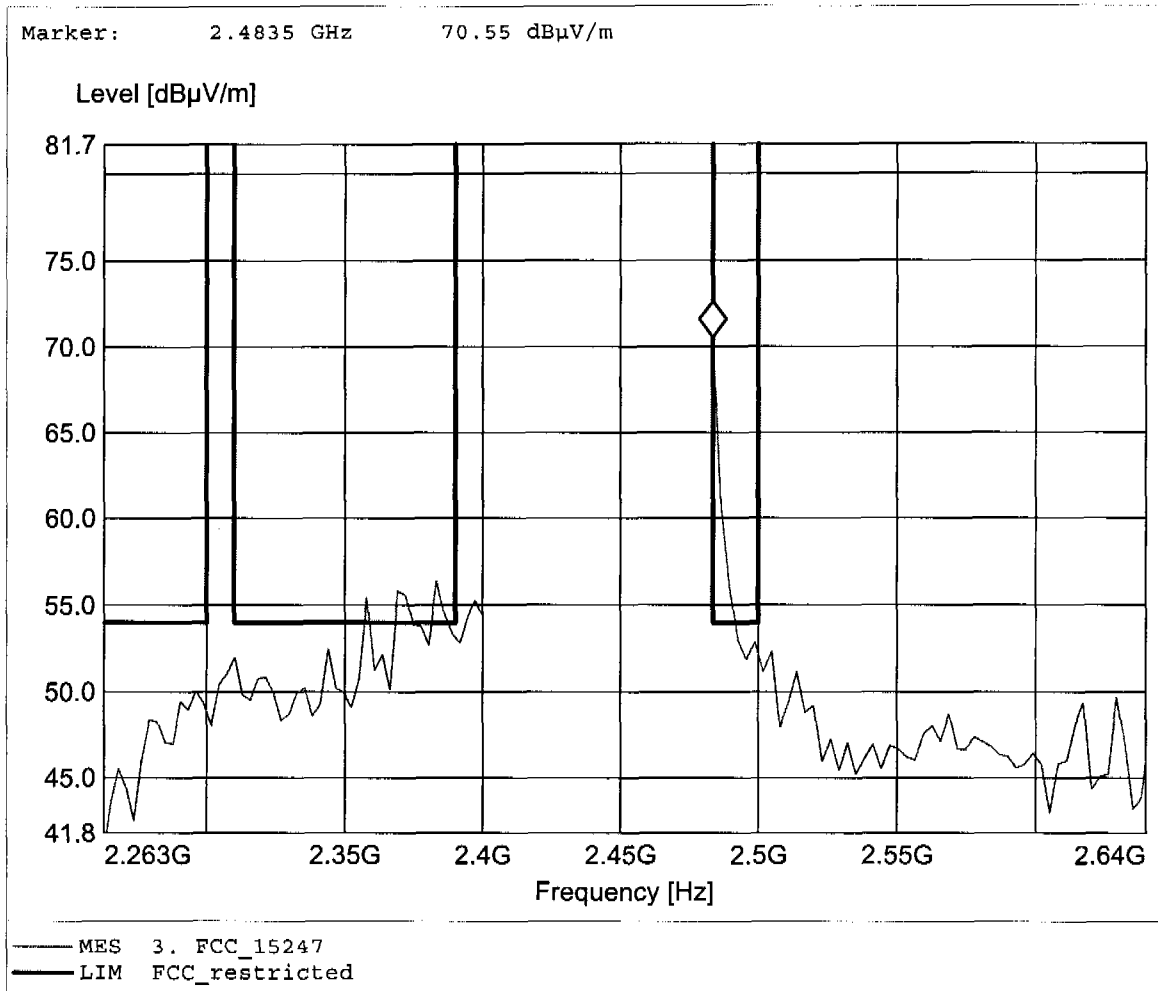
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 70.55dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

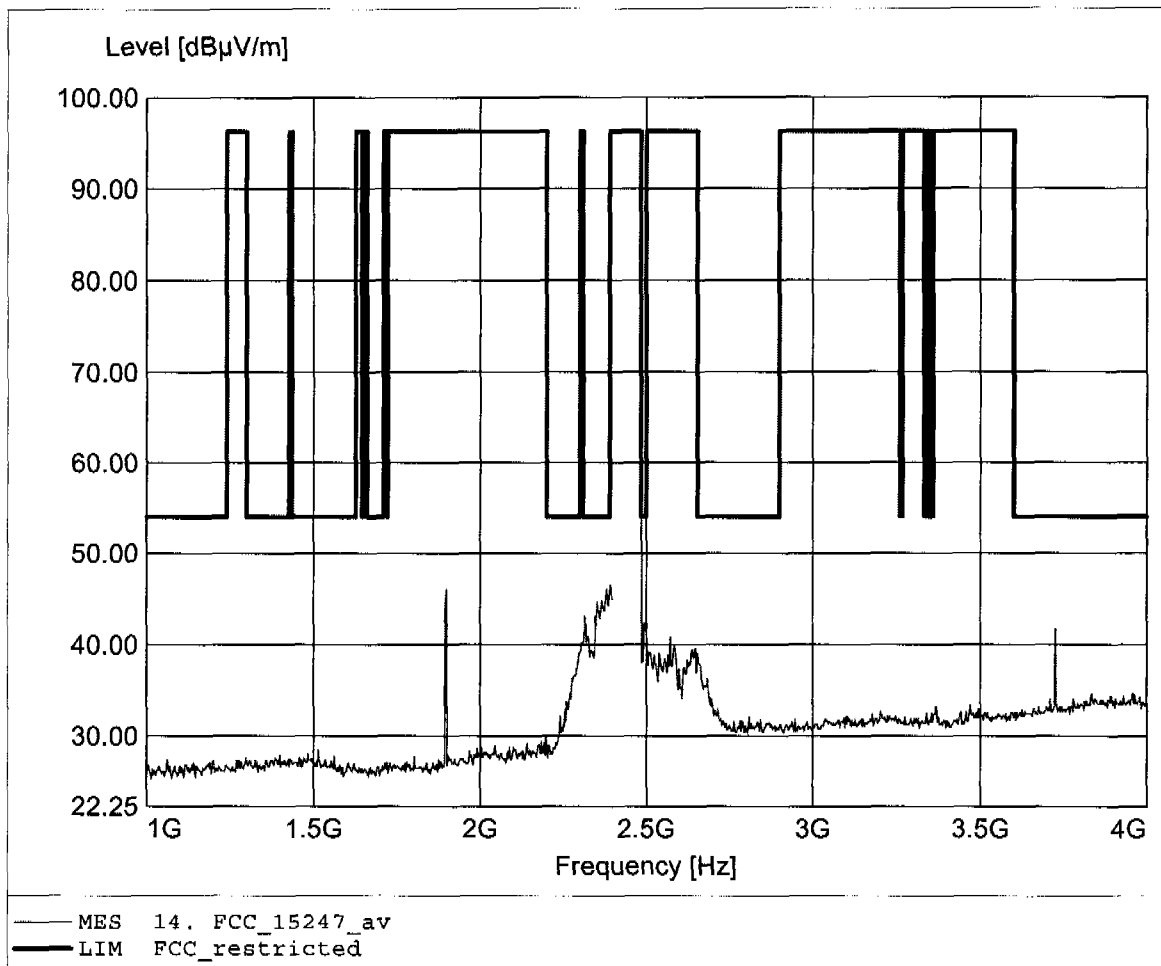
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 70.55dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

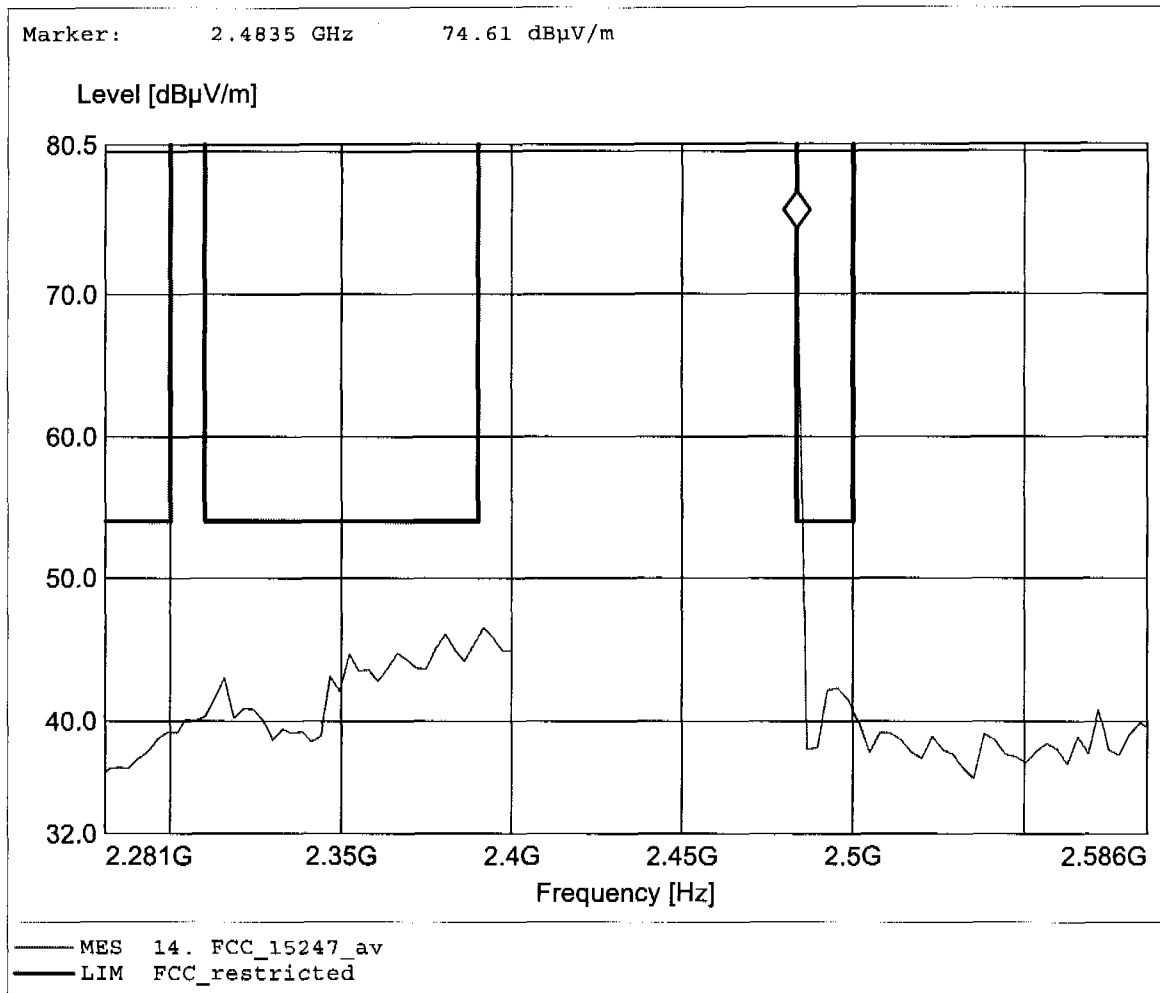
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 74.61dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

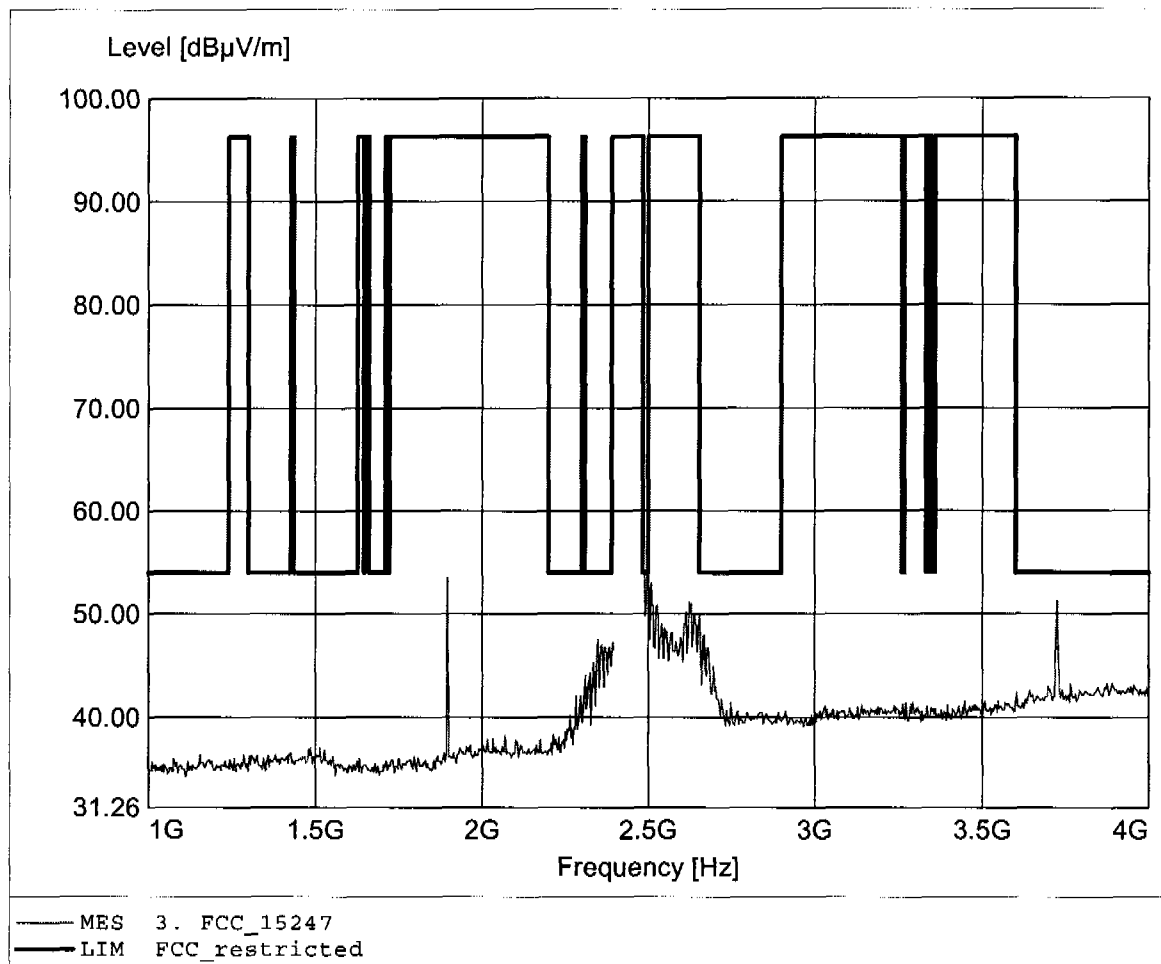
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 74.61dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

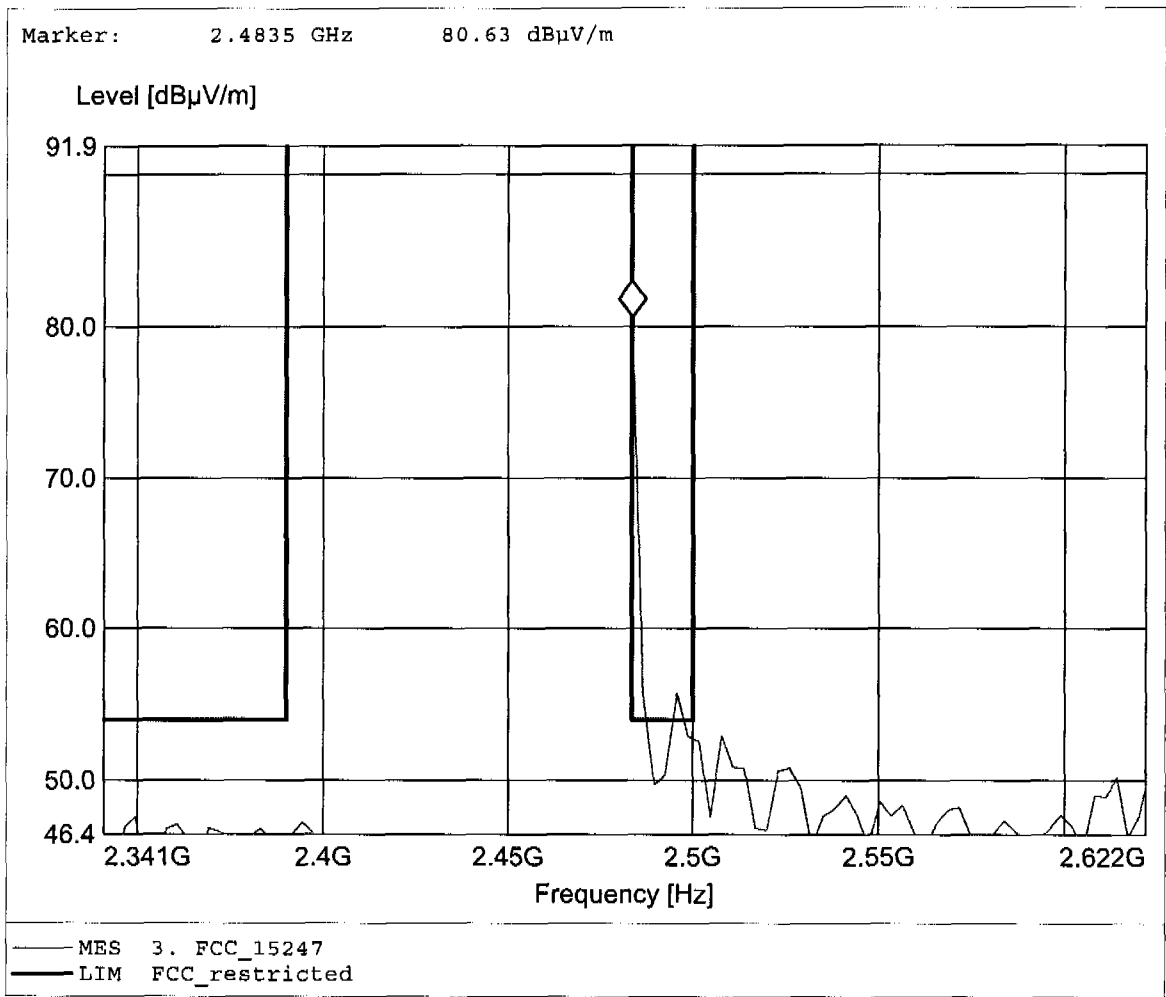
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 80.63dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

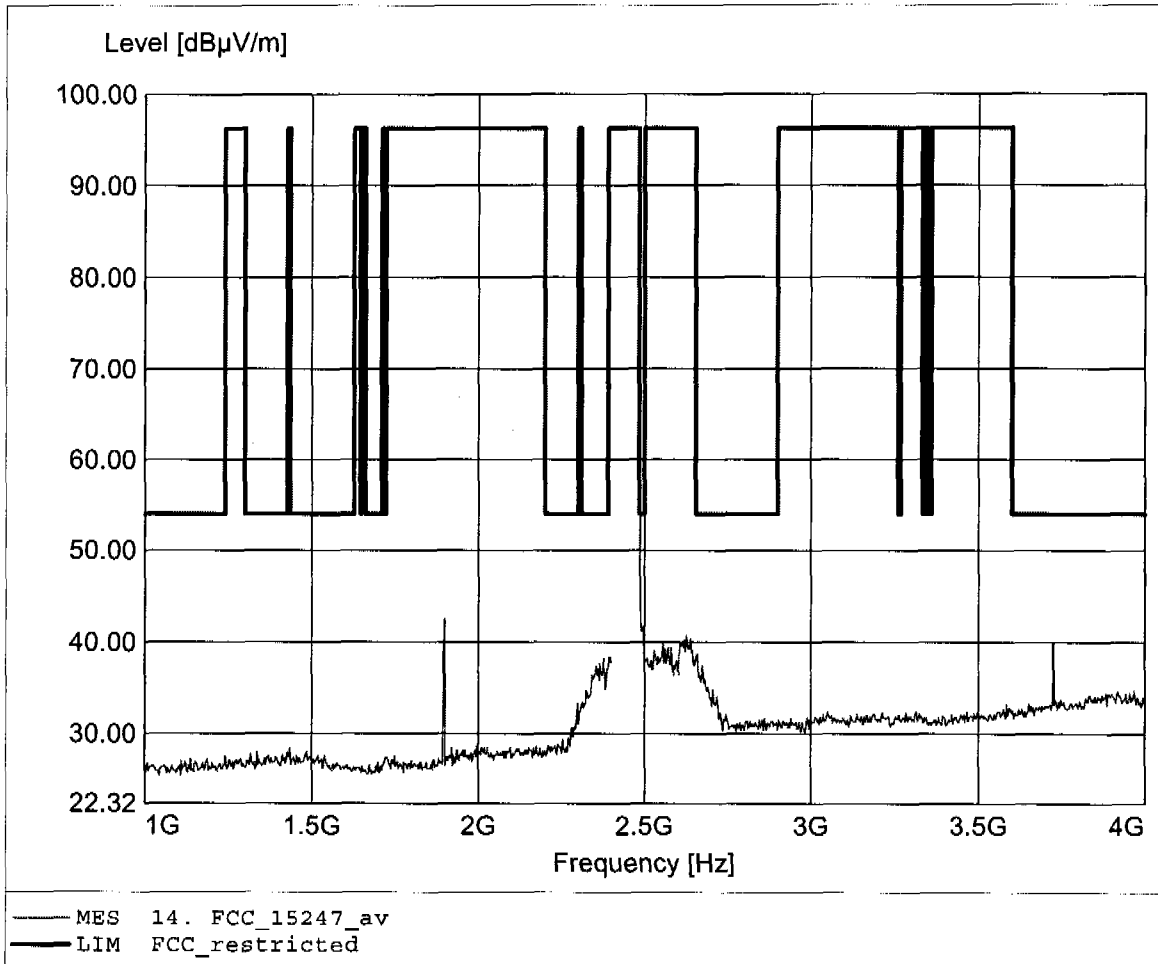
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 80.63dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

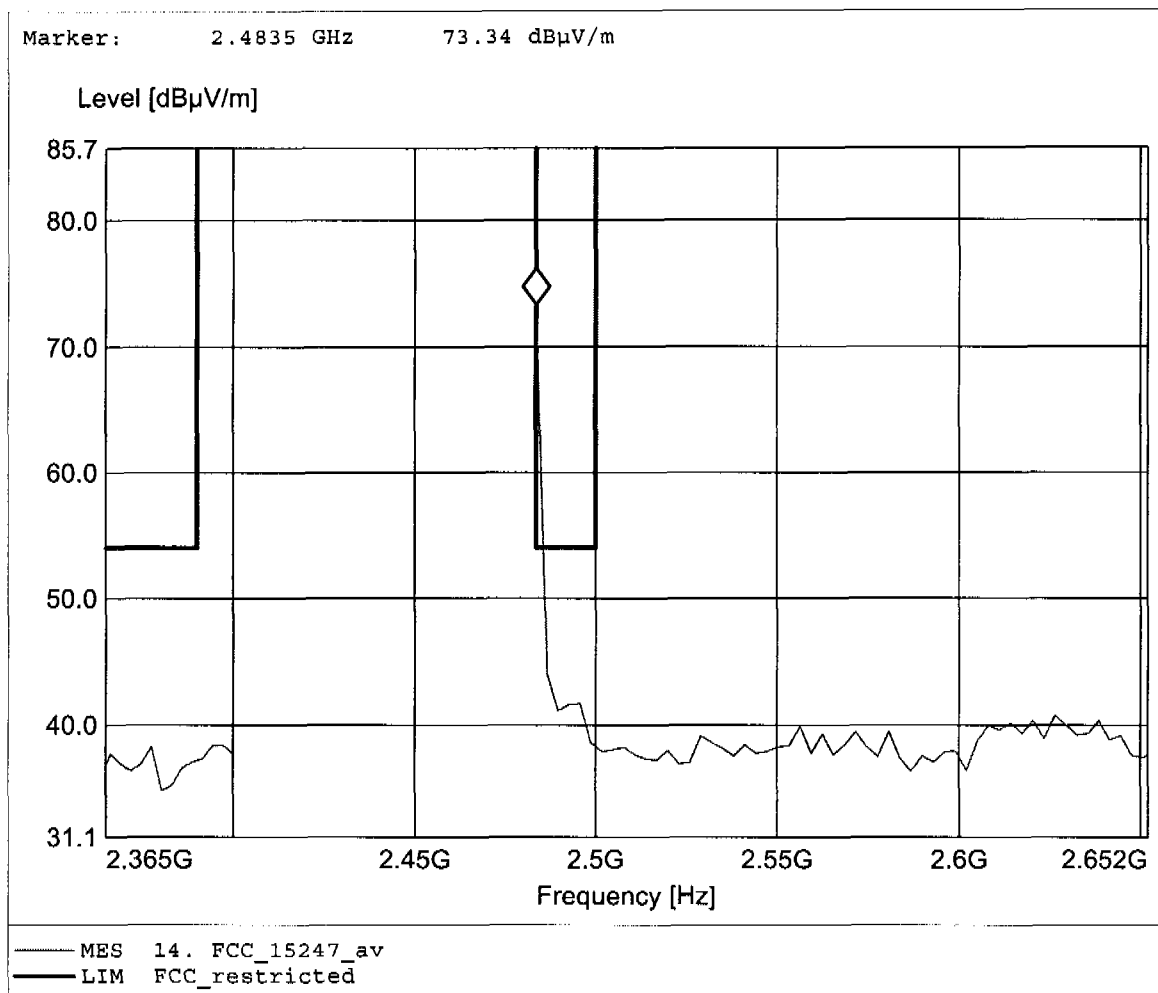
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 73.34dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

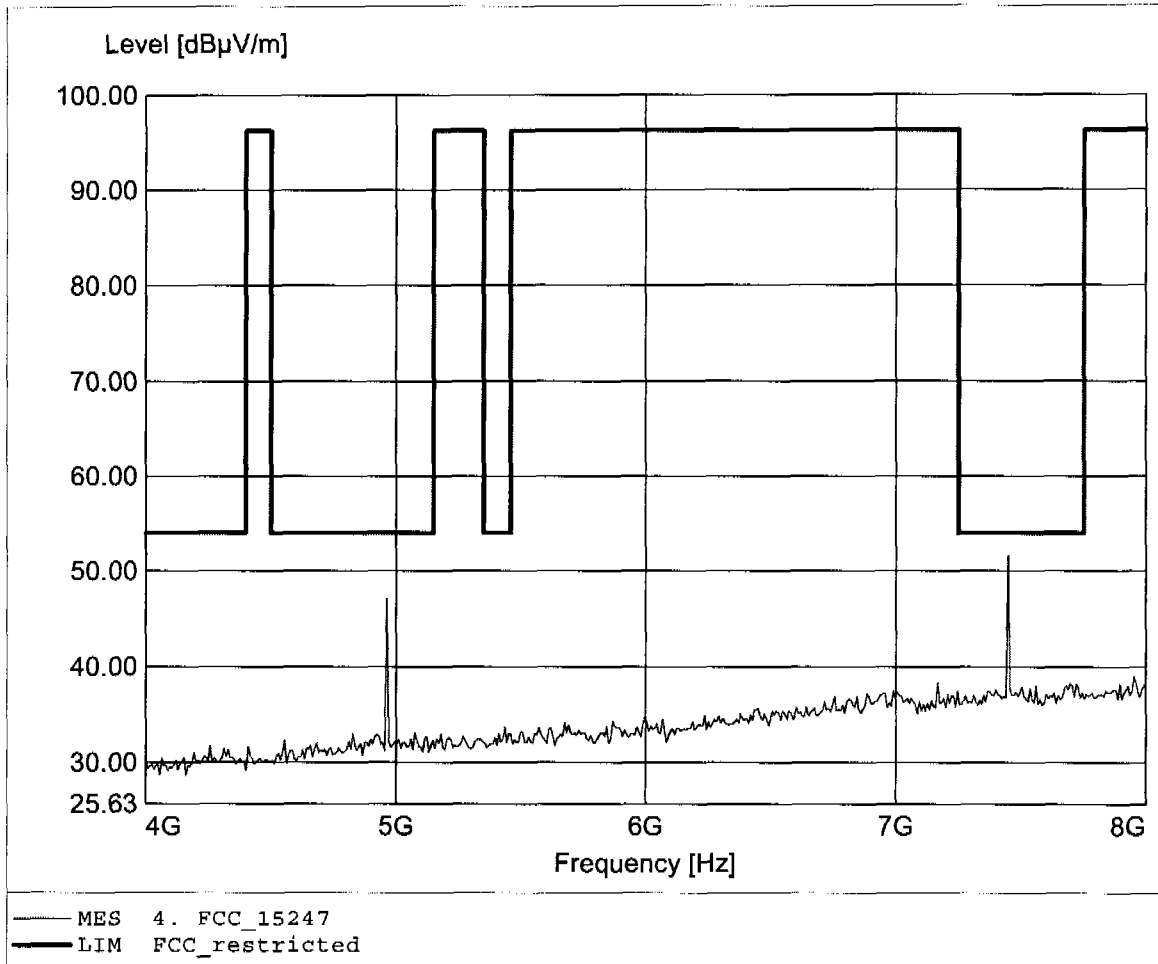
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 73.34dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

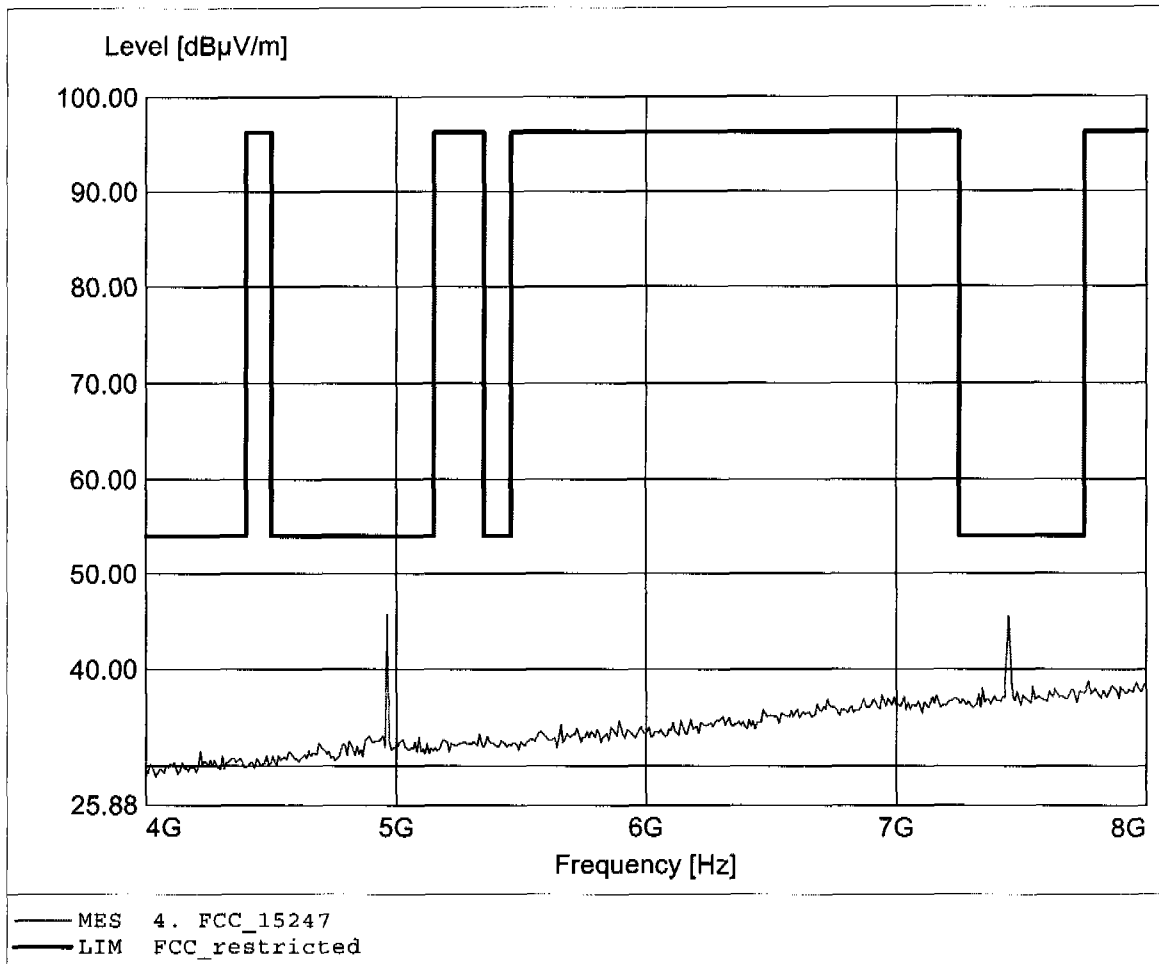
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.447GHz, Emax: 51.62dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

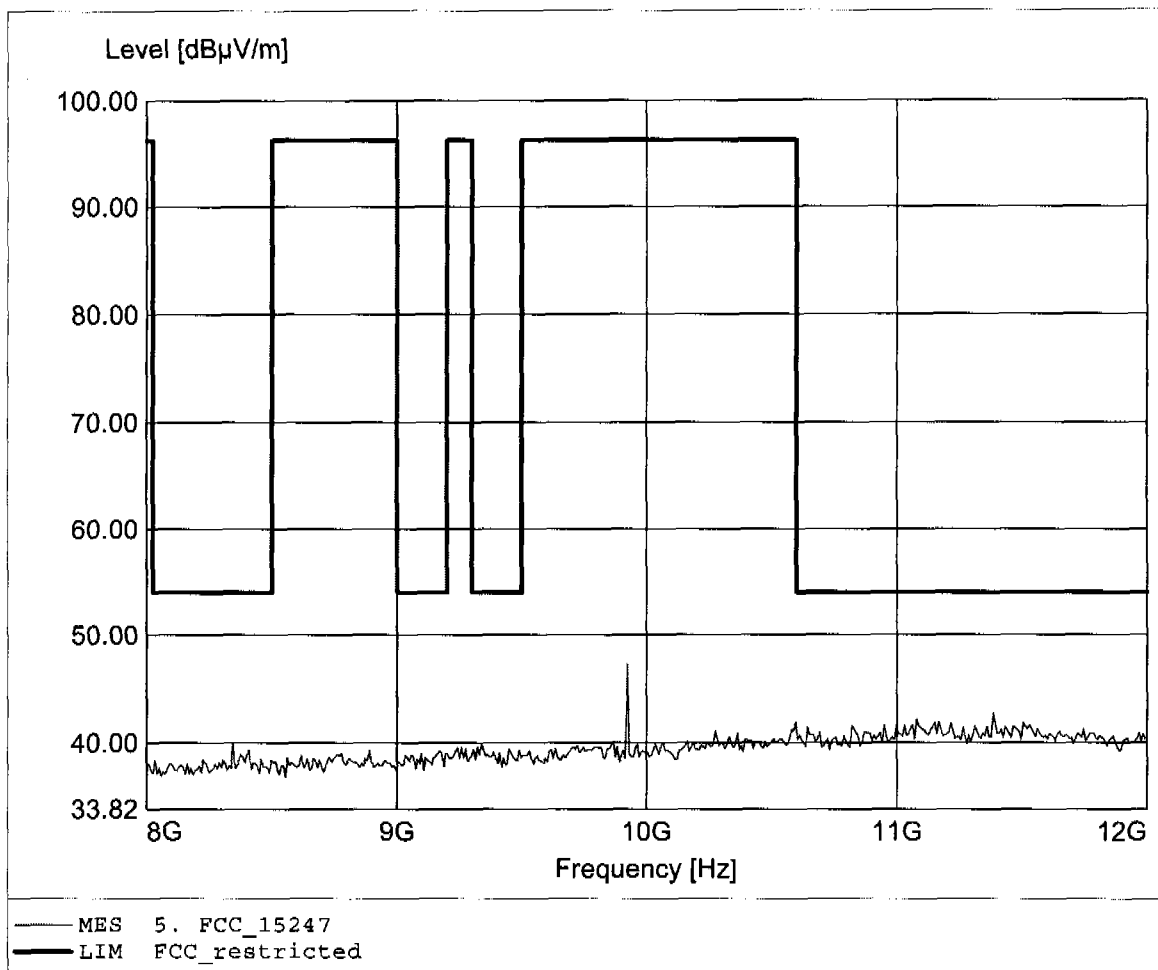
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 45.83dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

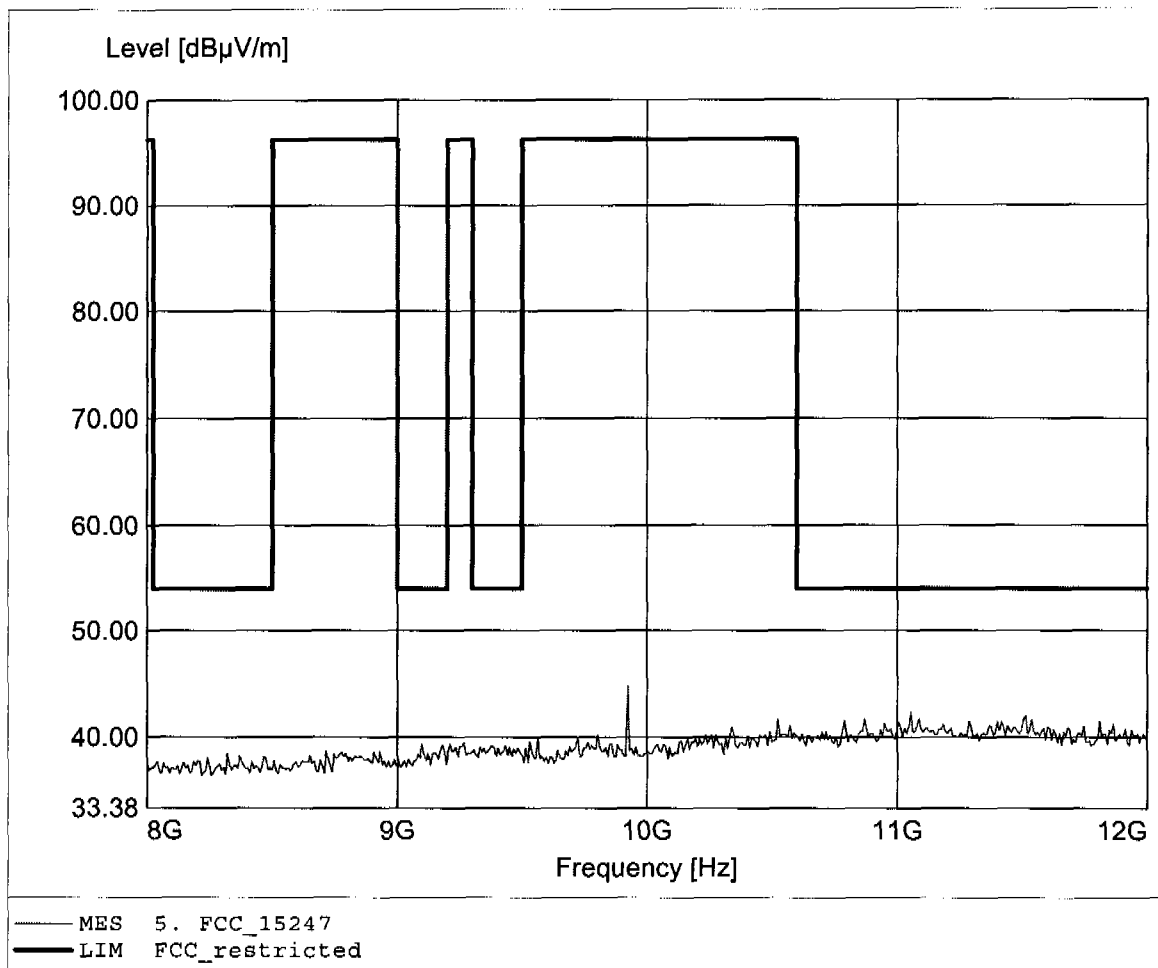
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.924GHz, Emax: 47.31dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

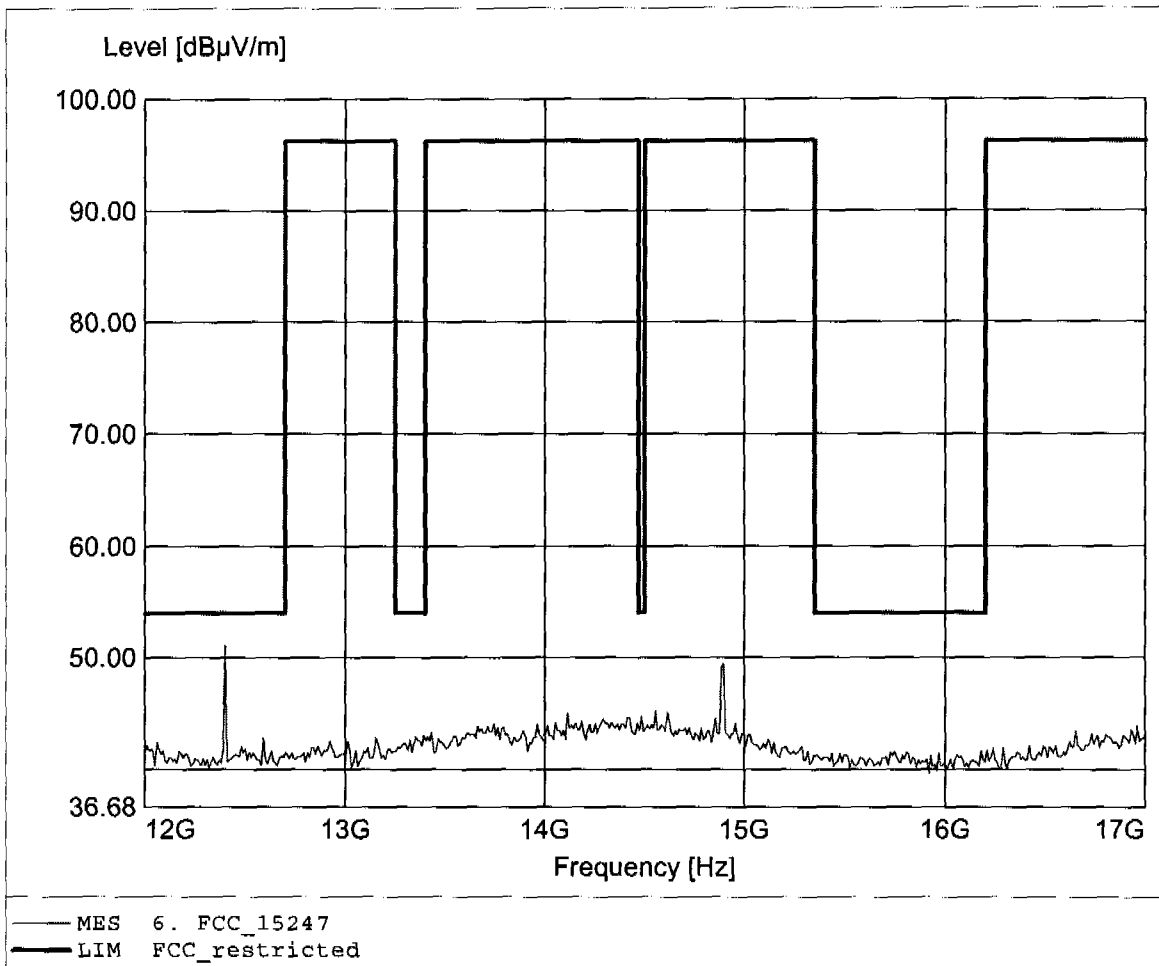
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.924GHz, Emax: 44.82dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

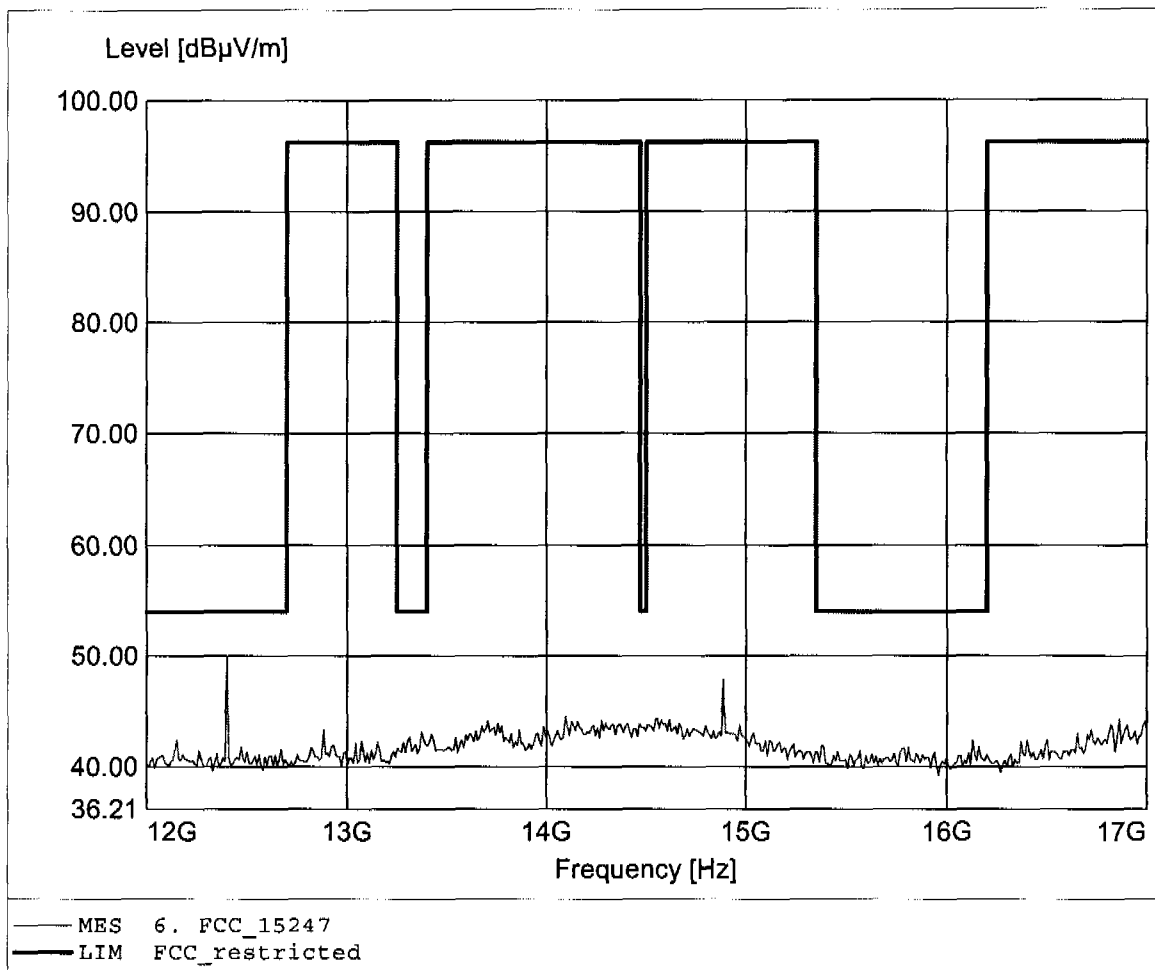
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 12.401GHz, Emax: 51.09dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

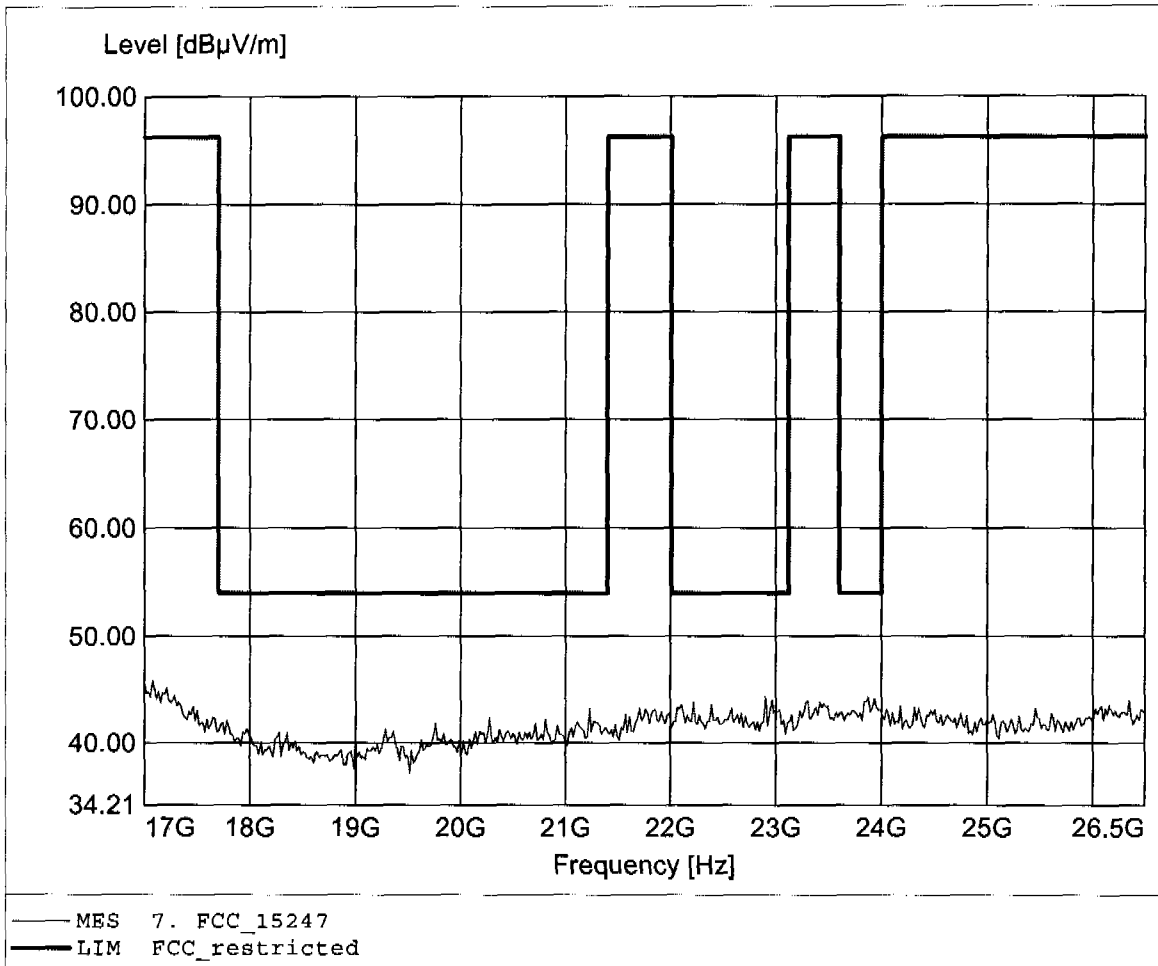
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 12.401GHZ, Emax: 50.03dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

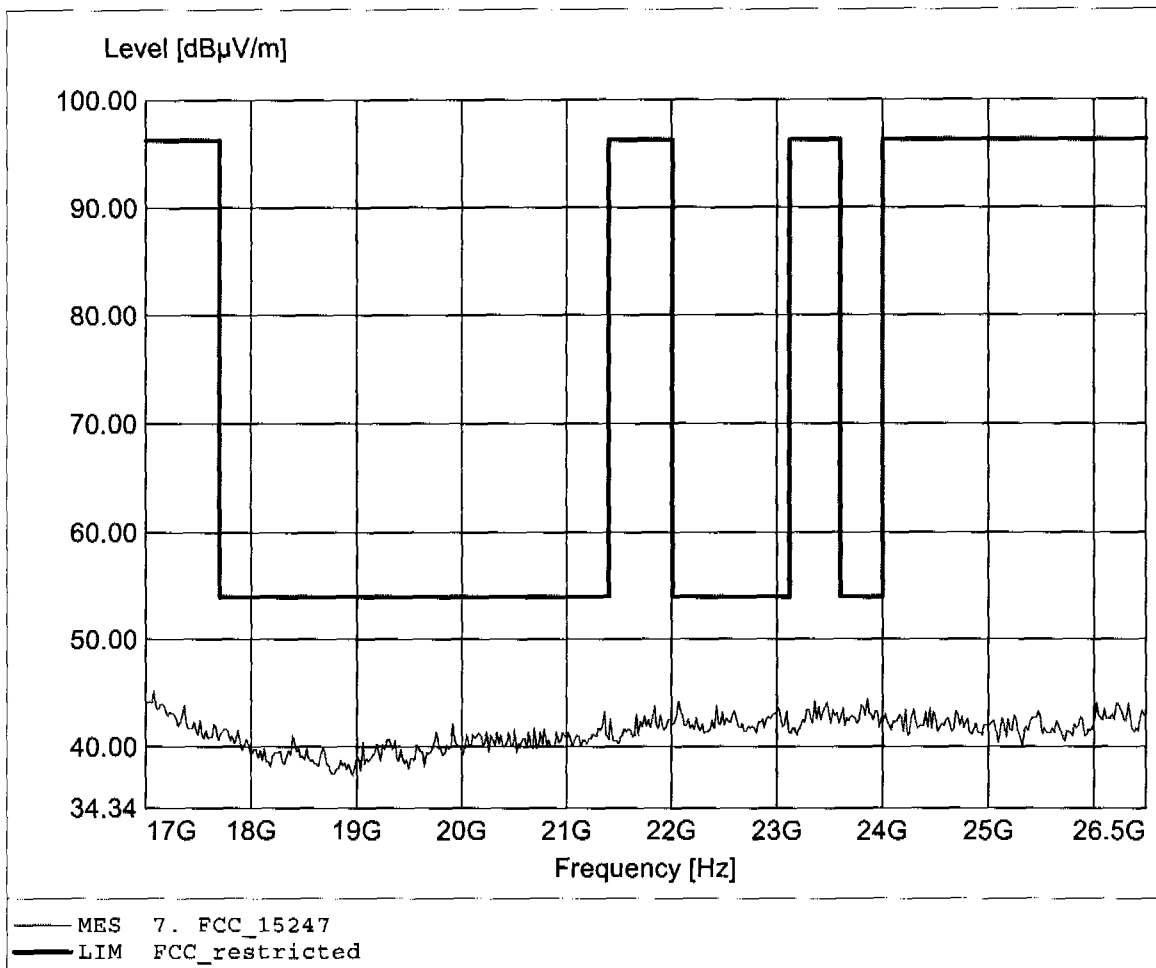
Approval Holder: VTech Telecommunications Limited
EUT: 2.4 GHz Cordless VoIP Phone / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.076GHz, Emax: 45.90dBµV/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 / Base / Antenna 2 / Ch.: 46
Model: USB7100 (HS+BS)
Test Site / Operator: ETS / Mr. Hoppe
Temperature/ Voltage: 25°C / Unom: 7.0 V DC (120 V AC/DC adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.076GHz, Emax: 45.18dBµV/m, RBW: 1MHz





Appendix D

Spurious Emissions conducted - Transmitter operating

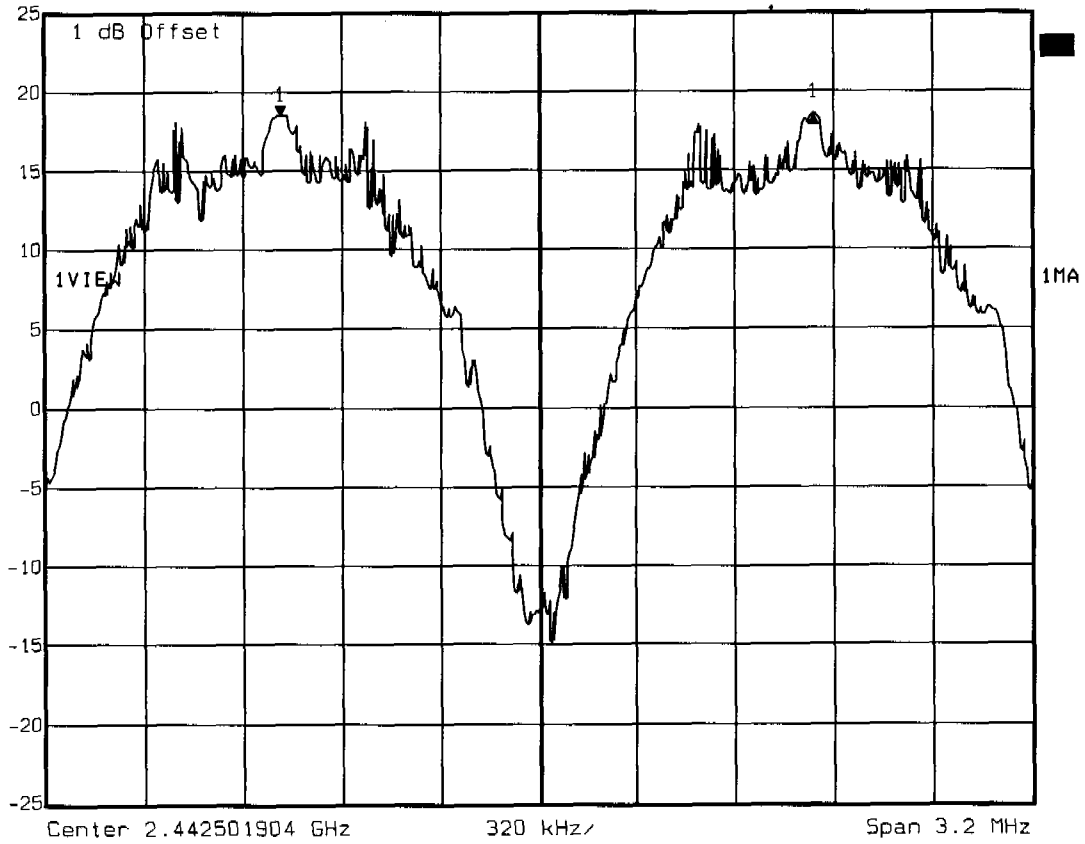


Appendix E

Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.05 dB VBW 100 kHz
25 dBm 1.73669928 MHz SWT 5 ms Unit dBm



Title: Carrier Frequency Separation
Comment A: USB7100 Base
Date: 16.FEB.2005 14:00:32



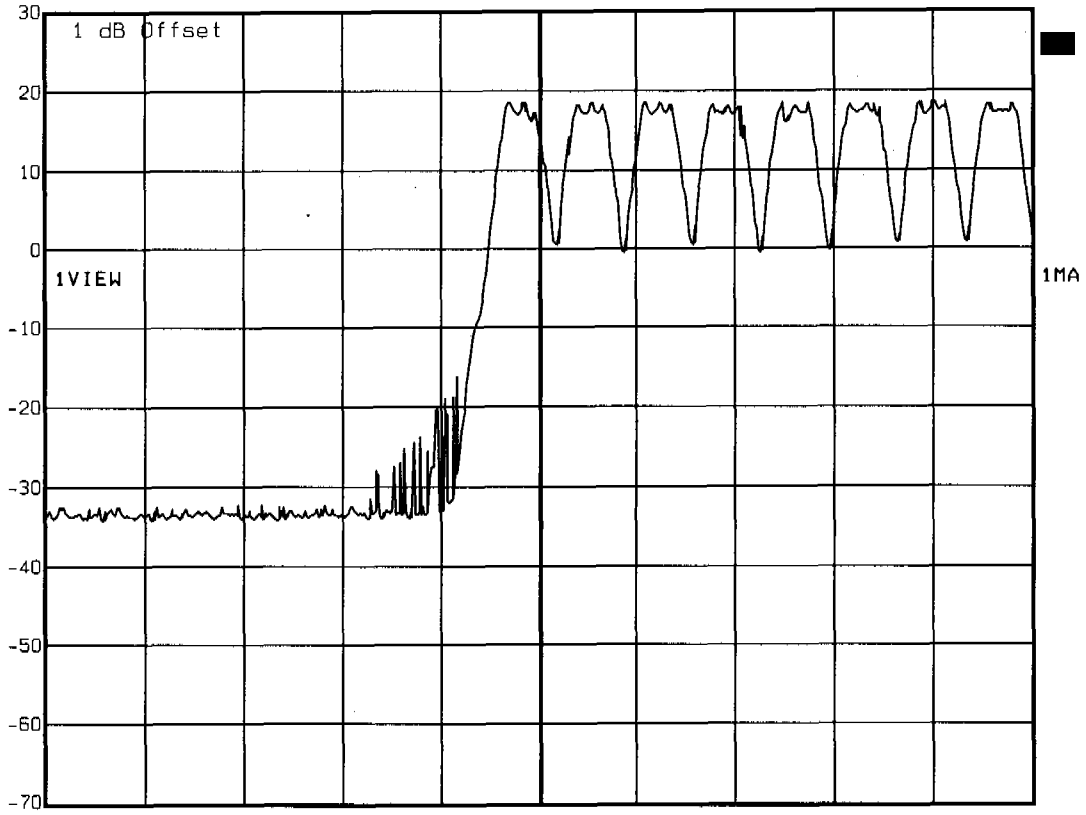
Appendix F

Number of Hopping Frequencies



Ref Lvl
30 dBm

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



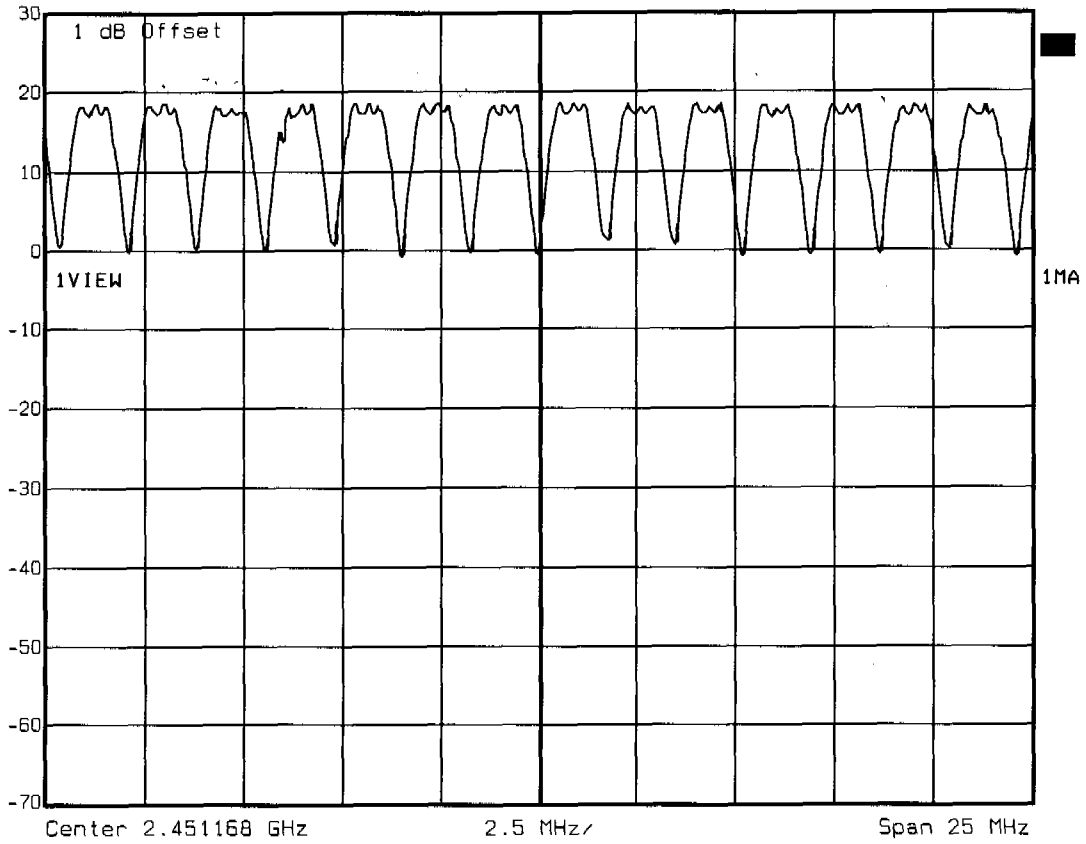
Center 2.402323647 GHz 2.5 MHz/ Span 25 MHz

Title: Number of Hopping Frequencies Ch.: 0-7
Comment A: USB7100 Base
Date: 16.FEB.2005 13:41:25



Ref Lvl
30 dBm

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

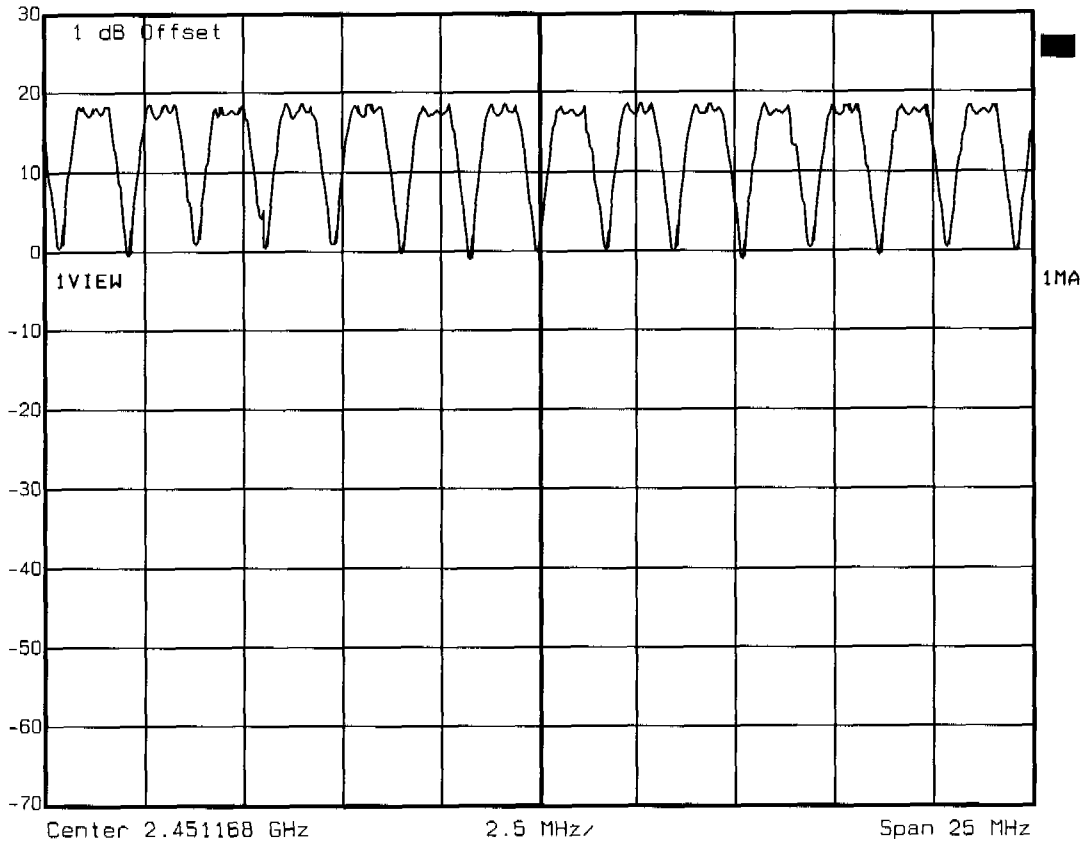


Title: Number of Hopping Frequencies Ch.: 8-21
Comment A: USB7100 Base
Date: 16.FEB.2005 13:31:46



Ref Lvl
30 dBm

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

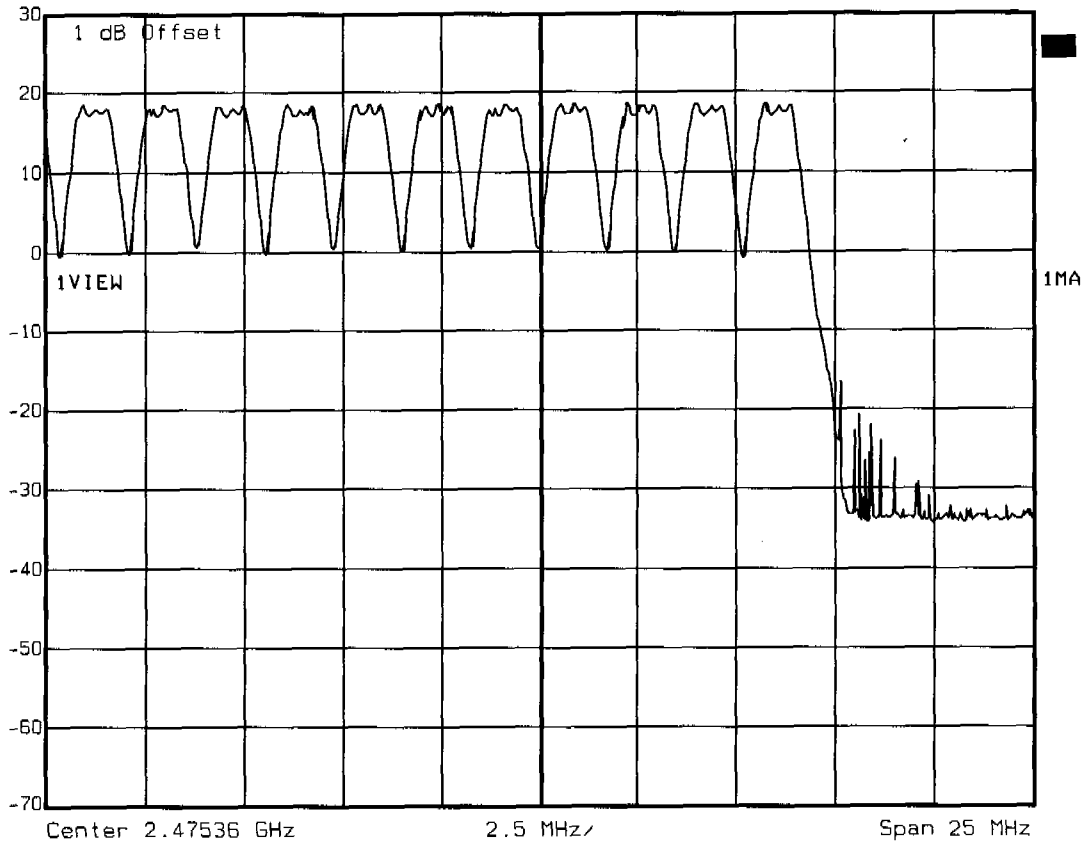


Title: Number of Hopping Frequencies Ch.: 22-35
Comment A: USB7100 Base
Date: 16.FEB.2005 13:27:14



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 Base
Date: 16.FEB.2005 13:23:28

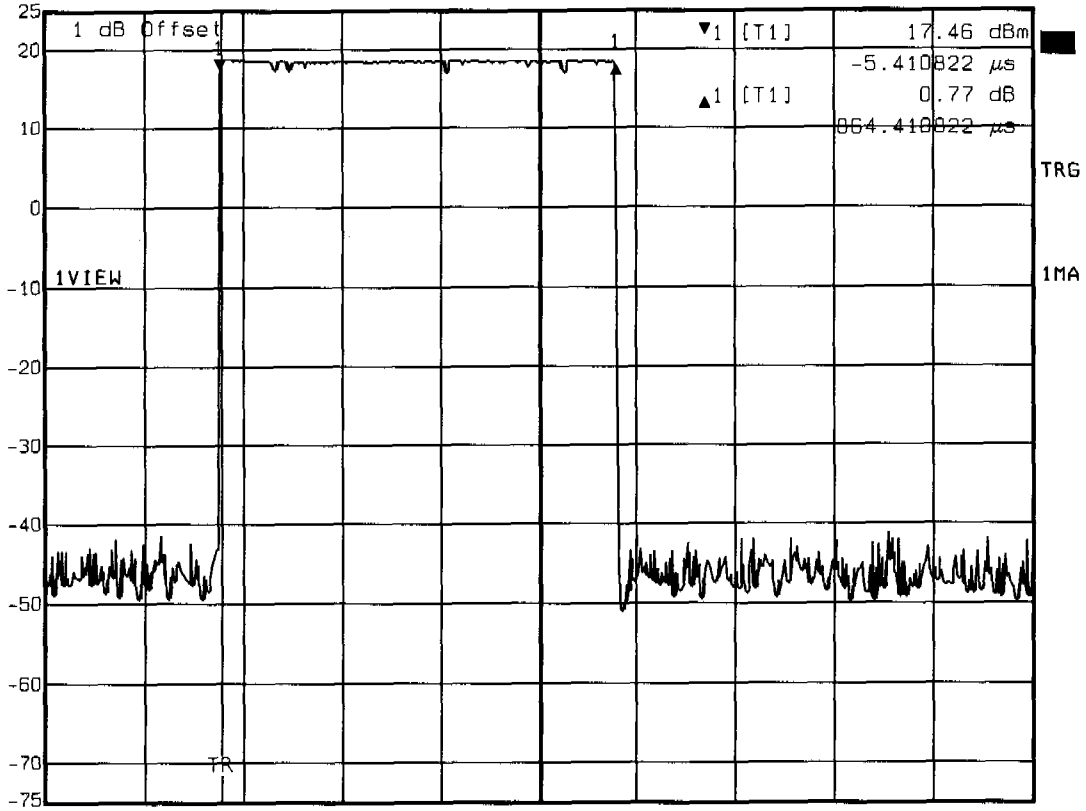


Appendix G

Time of Occupancy (Dwell Time)



Delta 1 [T1] RBW 1 MHz RF Att 40 dB
Ref Lvl 0.77 dB VBW 1 MHz
25 dBm 864.410822 μ s SWT 2.15 ms Unit dBm

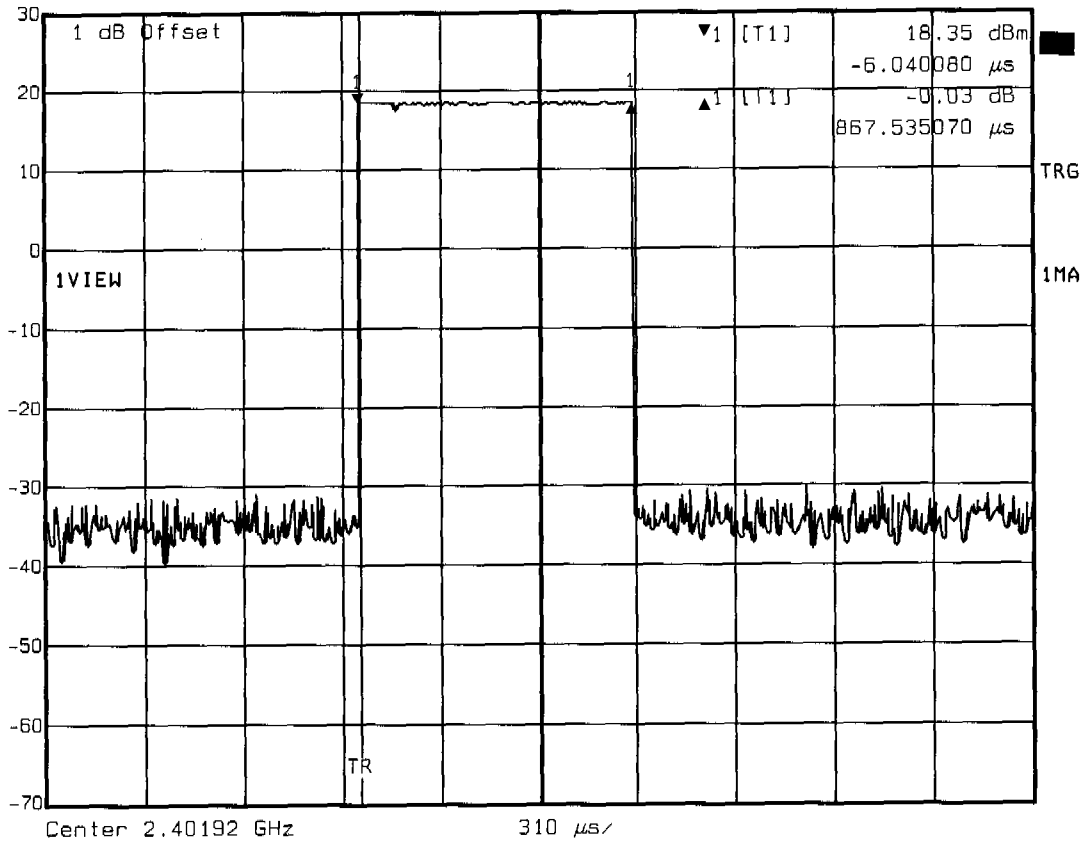


Center 2.441664 GHz 215 μ s/

Title: Time of occupancy (hopping mode) 40 events * 0.864ms=34.56ms
Comment A: USB7100 Base
Date: 17.FEB.2005 08:09:22



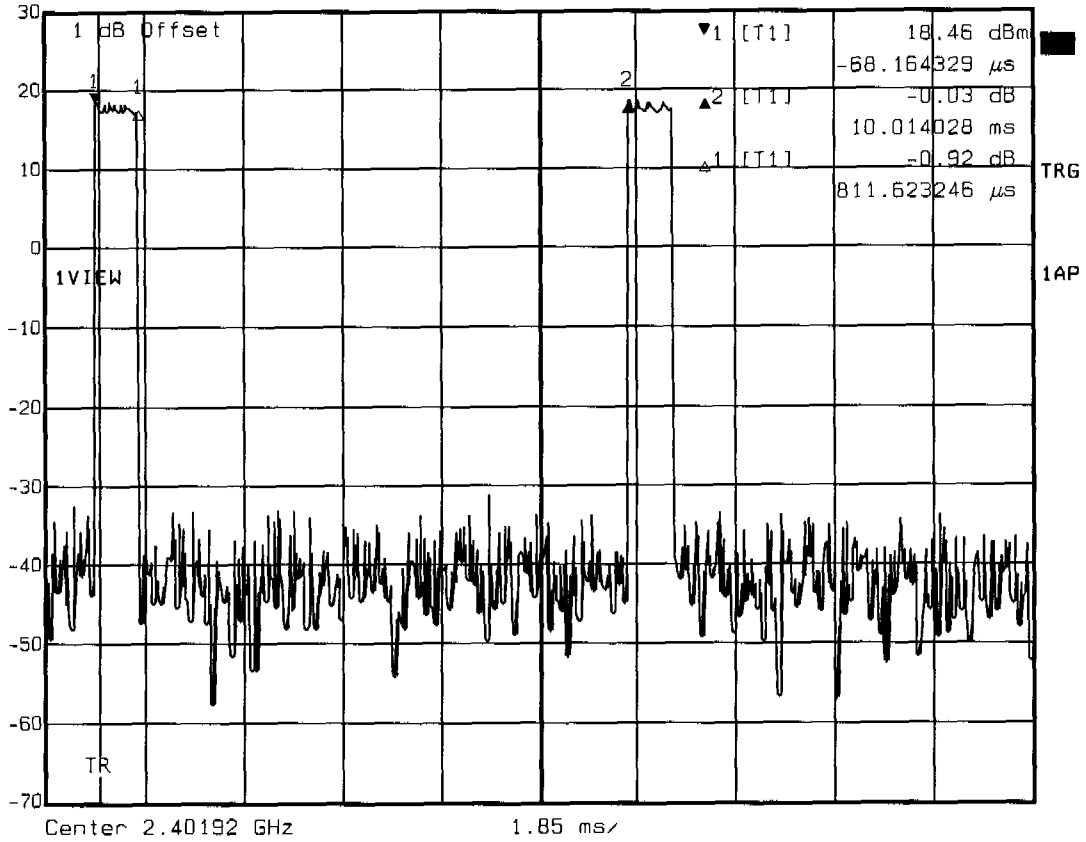
Delta 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl -0.03 dB VBW 1 MHz
30 dBm 867.535070 μ s SWT 3.1 ms Unit dBm



Title: Duty Cycle
Comment A: USB7100 Base
Date: 16.FEB.2005 14:52:16



Delta 2 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl -0.03 dB VBW 1 MHz
30 dBm 10.014028 ms SWT 18.5 ms Unit dBm



Title: Duty Cycle
Comment A: USB7100 Base
Date: 16.FEB.2005 14:50:50

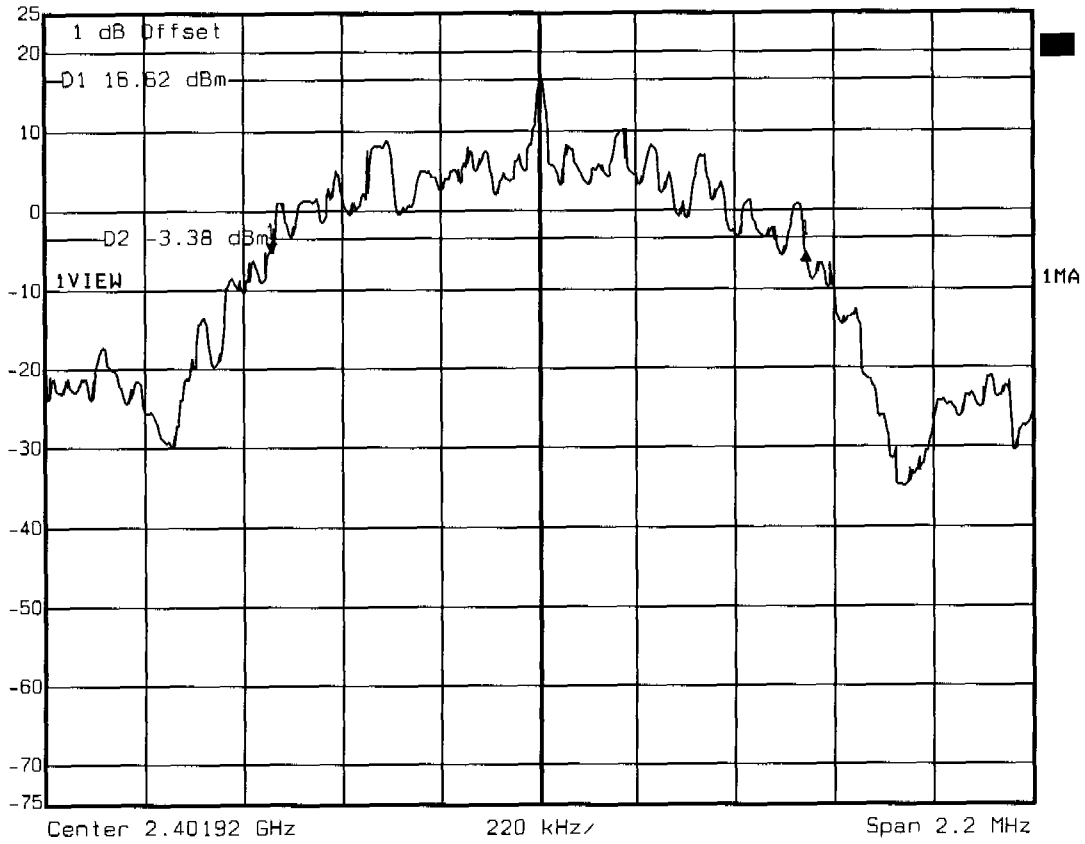


Appendix H

20dB Bandwidth



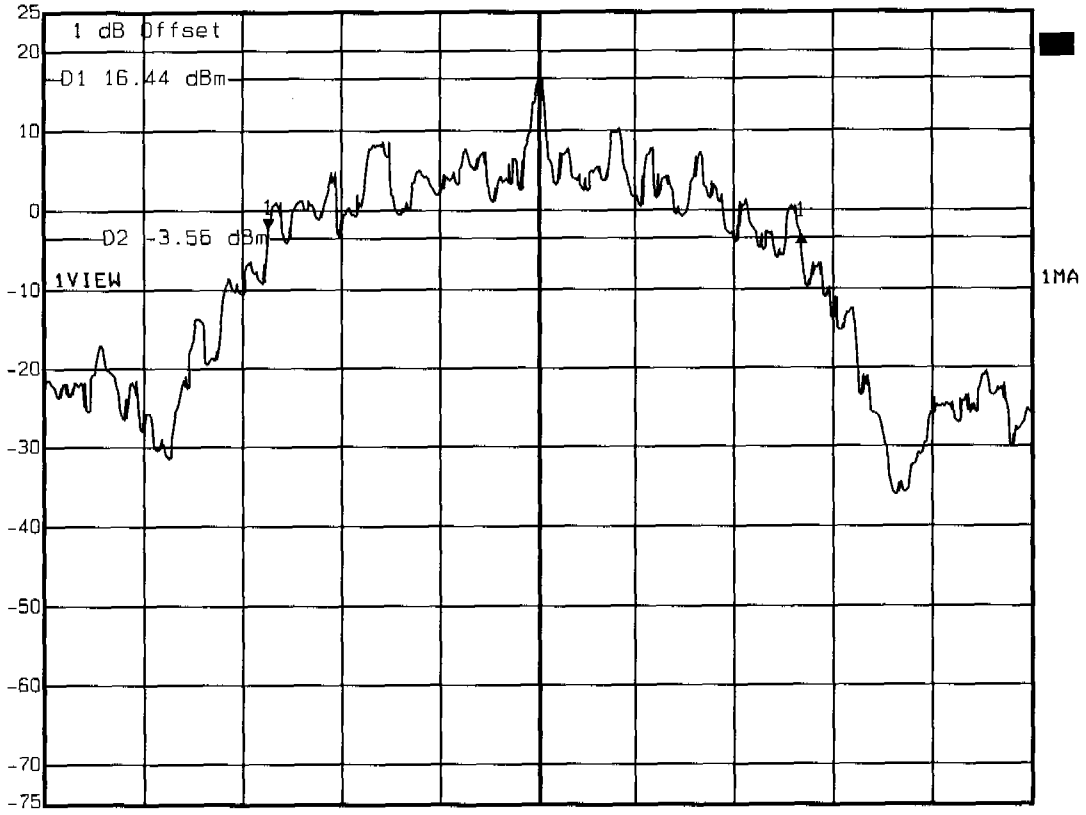
Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl 0.30 dB VBW 10 kHz
25 dBm 1.19478958 MHz SWT 56 ms Unit dBm



Title: -20 dB Bandwidth Ch.: 0
Comment A: USB7100 Base
Date: 16.FEB.2005 15:09:21



Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -0.70 dB VBW 10 kHz
25 dBm 1.19038076 MHz SWT 56 ms Unit dBm

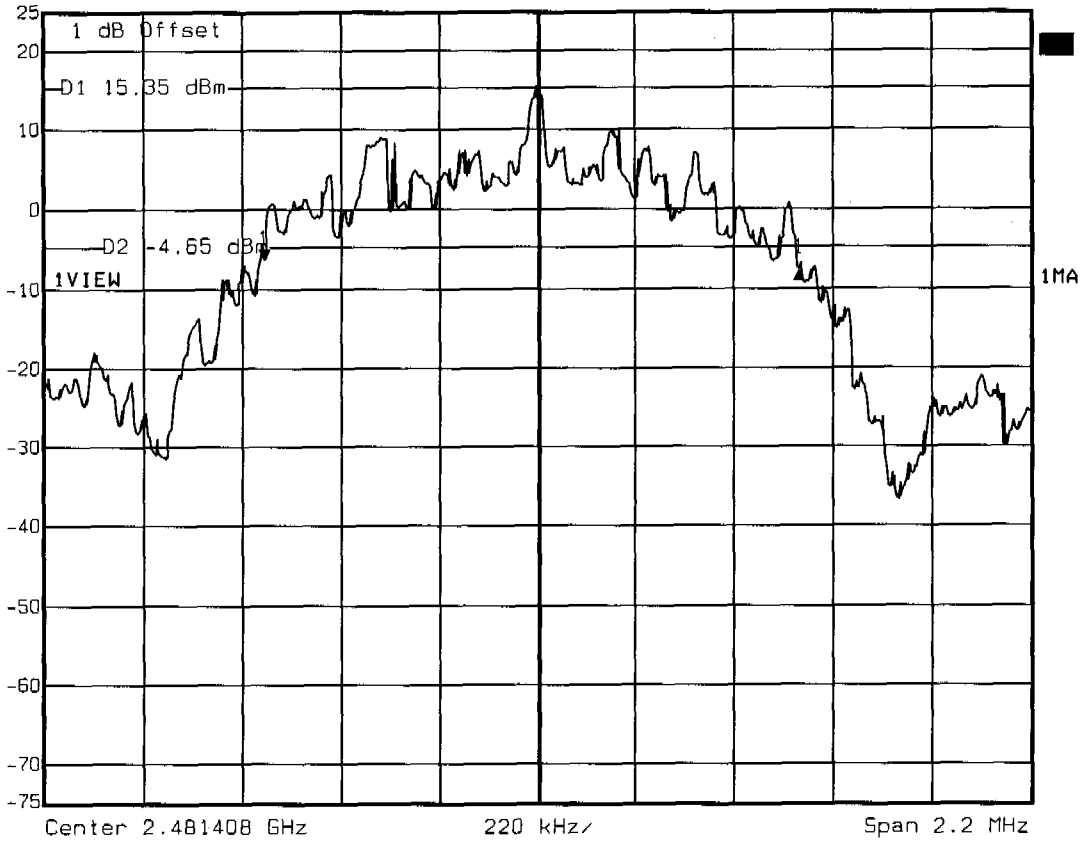


Center 2.441654 GHz 220 kHz/ Span 2.2 MHz

Title: -20 dB Bandwidth Ch.: 23
Comment A: USB7100 Base
Date: 16.FEB.2005 15:05:34



Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -1.23 dB VBW 10 kHz
25 dBm 1.19320240 MHz SWT 56 ms Unit dBm



Title: -20 dB Bandwidth Ch.: 46
Comment A: USB7100 Base
Date: 16.FEB.2005 15:03:54

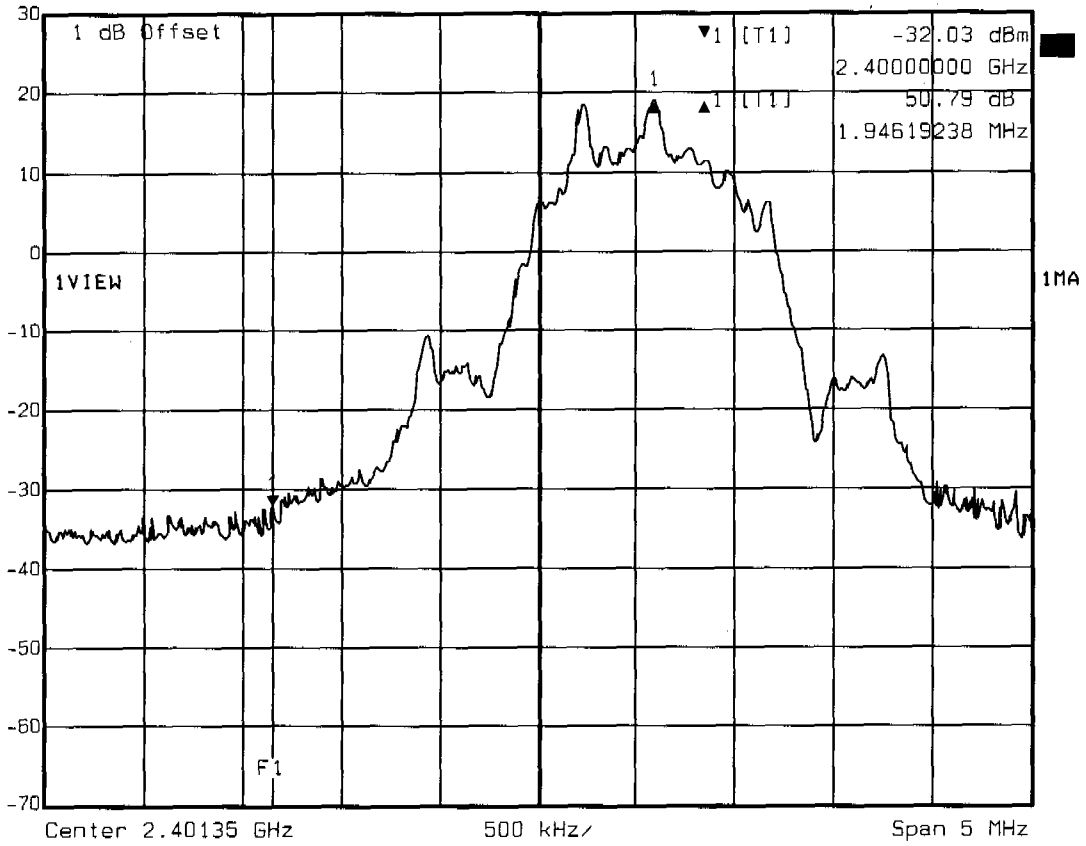


Appendix I

Band-edge Compliance of RF Emissions



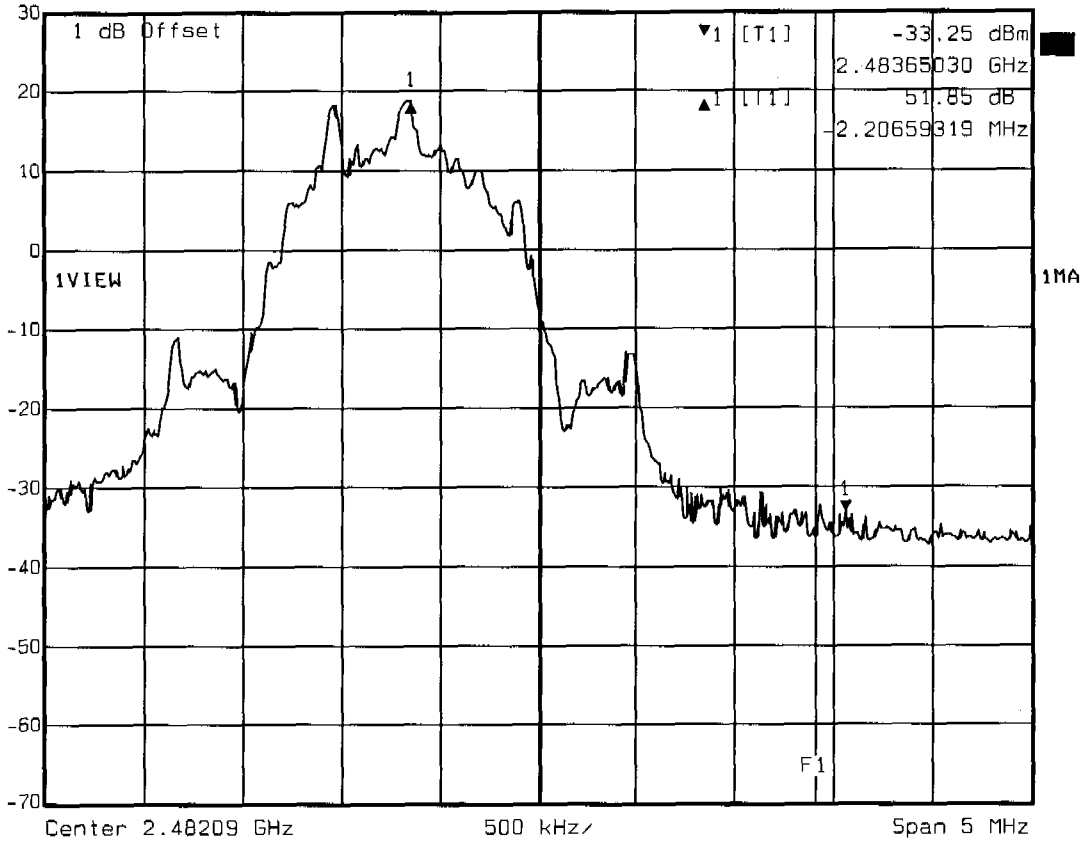
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 50.79 dB VBW 50 kHz
30 dBm 1.94619238 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: USB7100 Base
Date: 16.FEB.2005 15:14:13



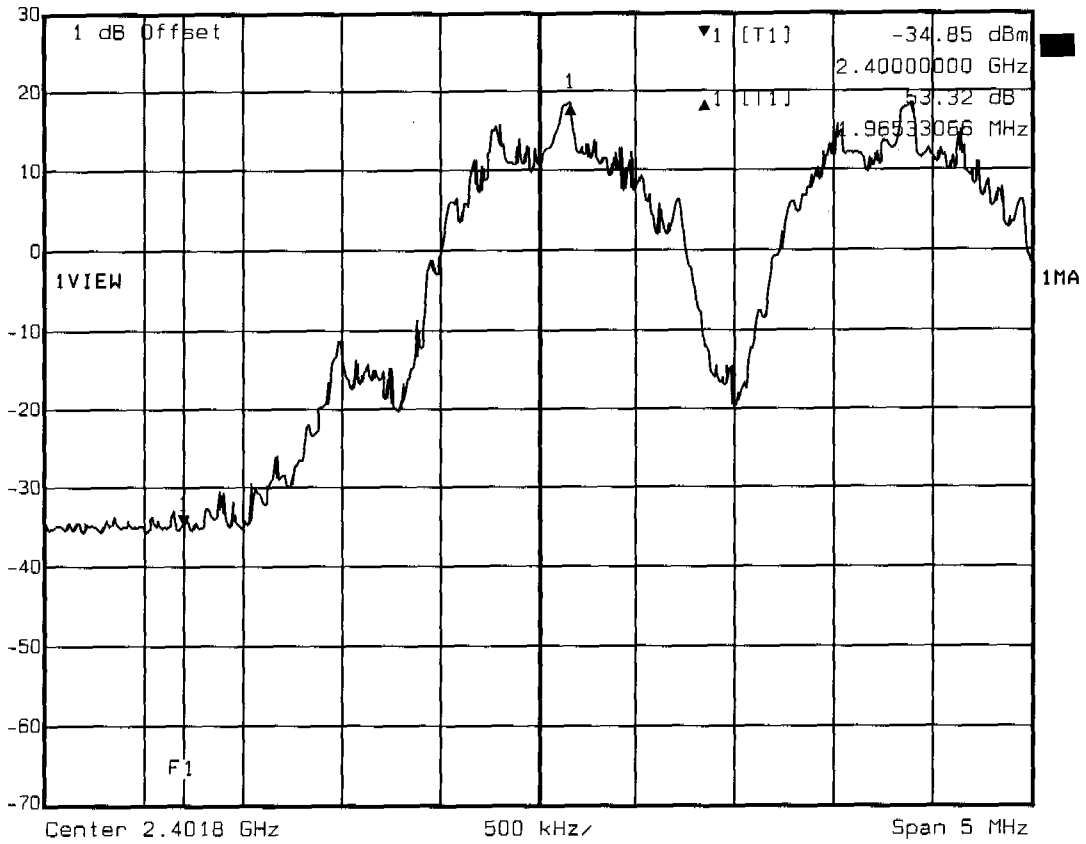
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 51.85 dB VBW 50 kHz
30 dBm -2.20659319 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: USB7100 Base
Date: 16.FEB.2005 15:19:26



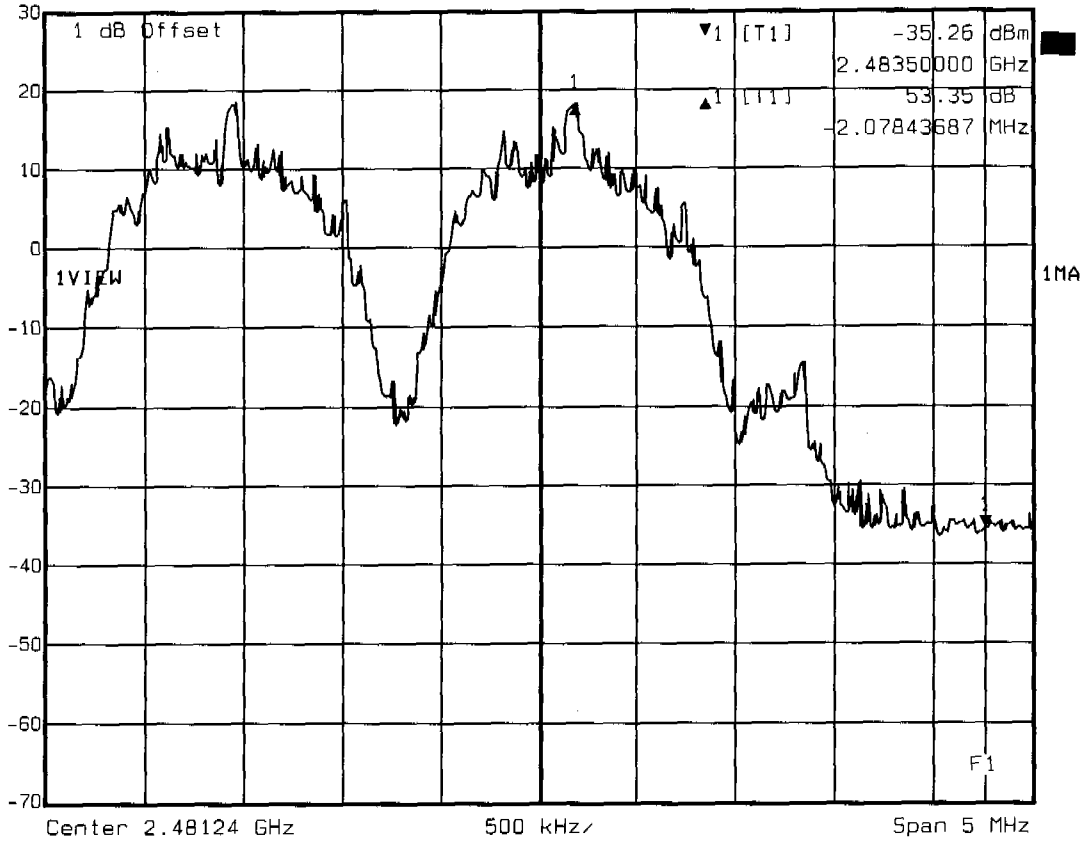
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 53.32 dB VBW 50 kHz
30 dBm 1.96533066 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: USB7100 Base
Date: 16.FEB.2005 14:21:49



Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 53.35 dB VSW 50 kHz
30 dBm -2.07843687 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: USB7100 Base
Date: 16.FEB.2005 14:37:35

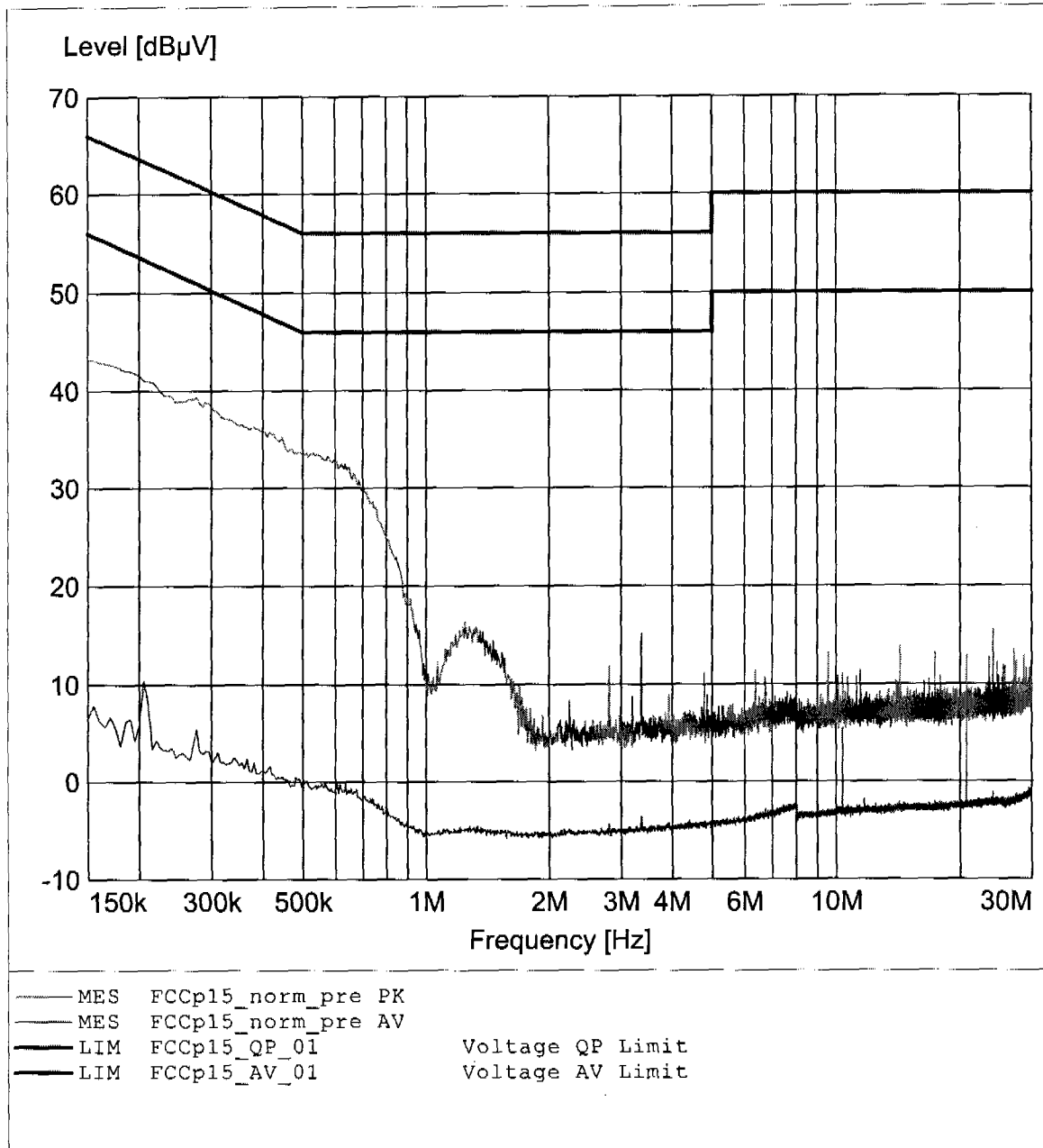


Appendix J

Conducted Measurement at (AC) Power Line

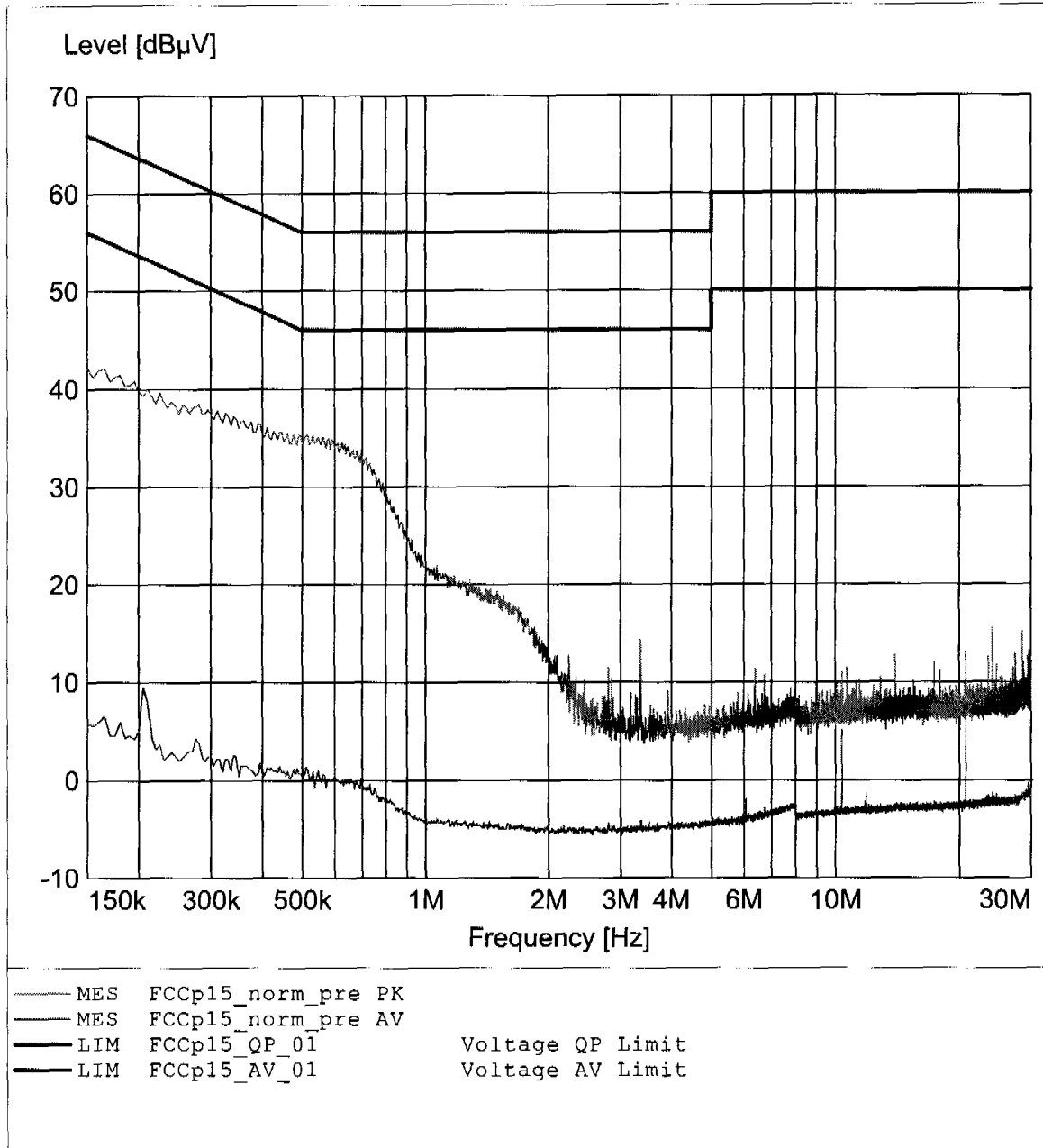
EMI voltage test in the ac-mains according to FCC part 15

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 (N)
Comment: model: USB7100 (1HS+1BS)



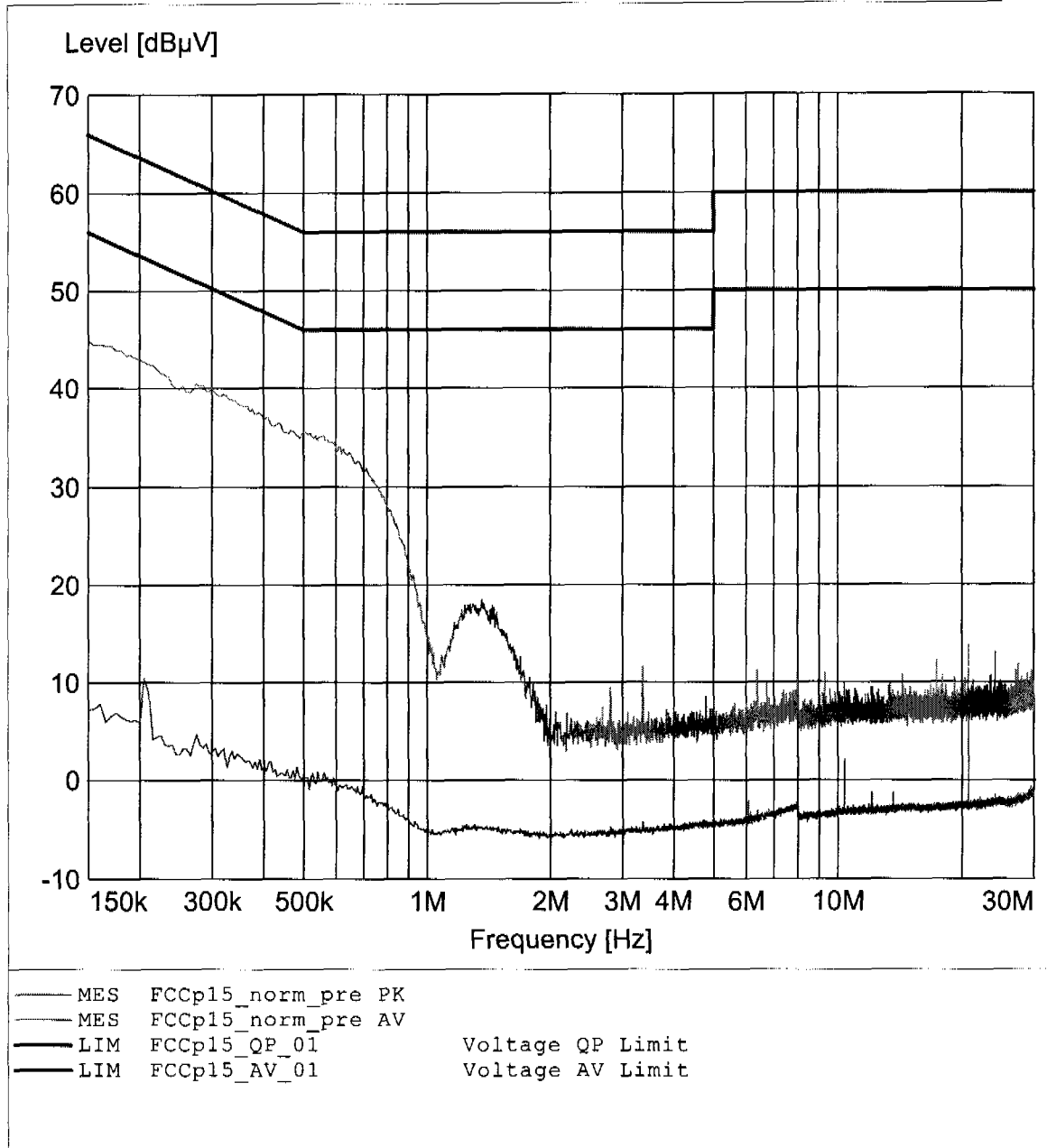
EMI voltage test in the ac-mains according to FCC part 15

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: USB7100 (1HS+1BS)



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: USB7100 (1HS+1BS) 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 (L1)
 Comment: model: USB7100 (1HS+1BS) mode:charging

