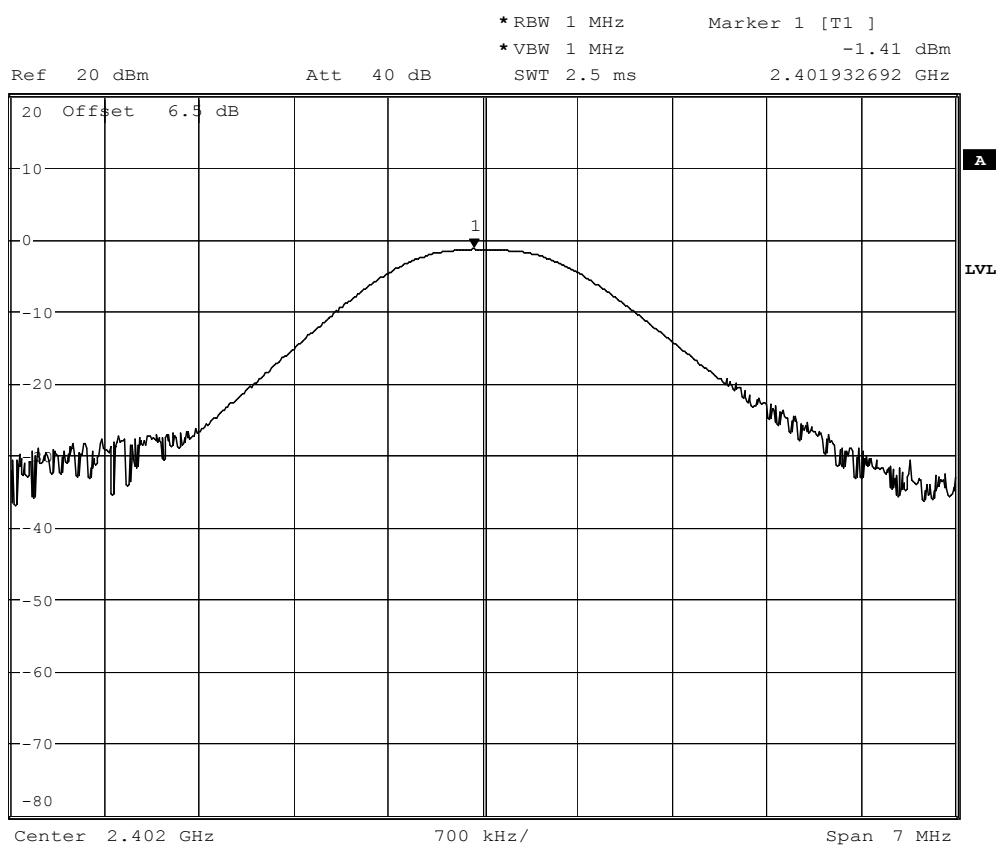


Annex B

RF power output conducted

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



Output power=-1.41 dBm; verdict: PASS

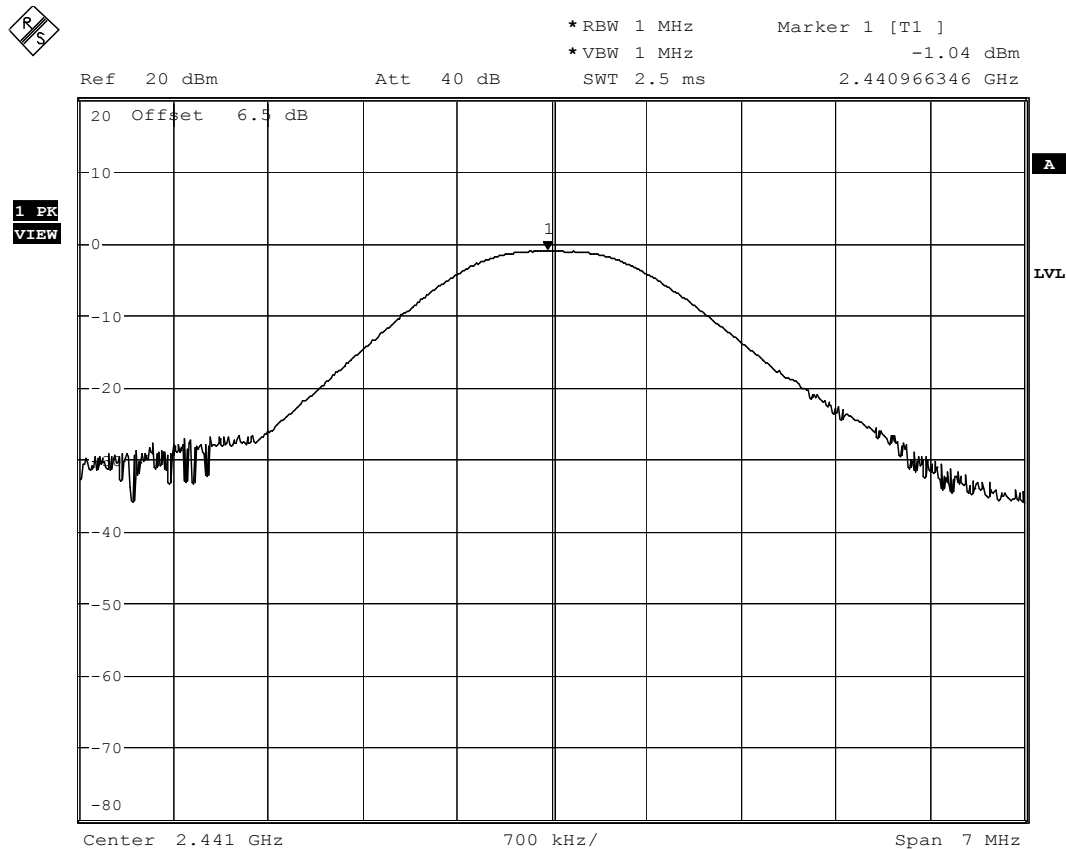
Date: 10.JUL.2008 10:25:20

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Output power=-1.04 dBm; verdict: PASS

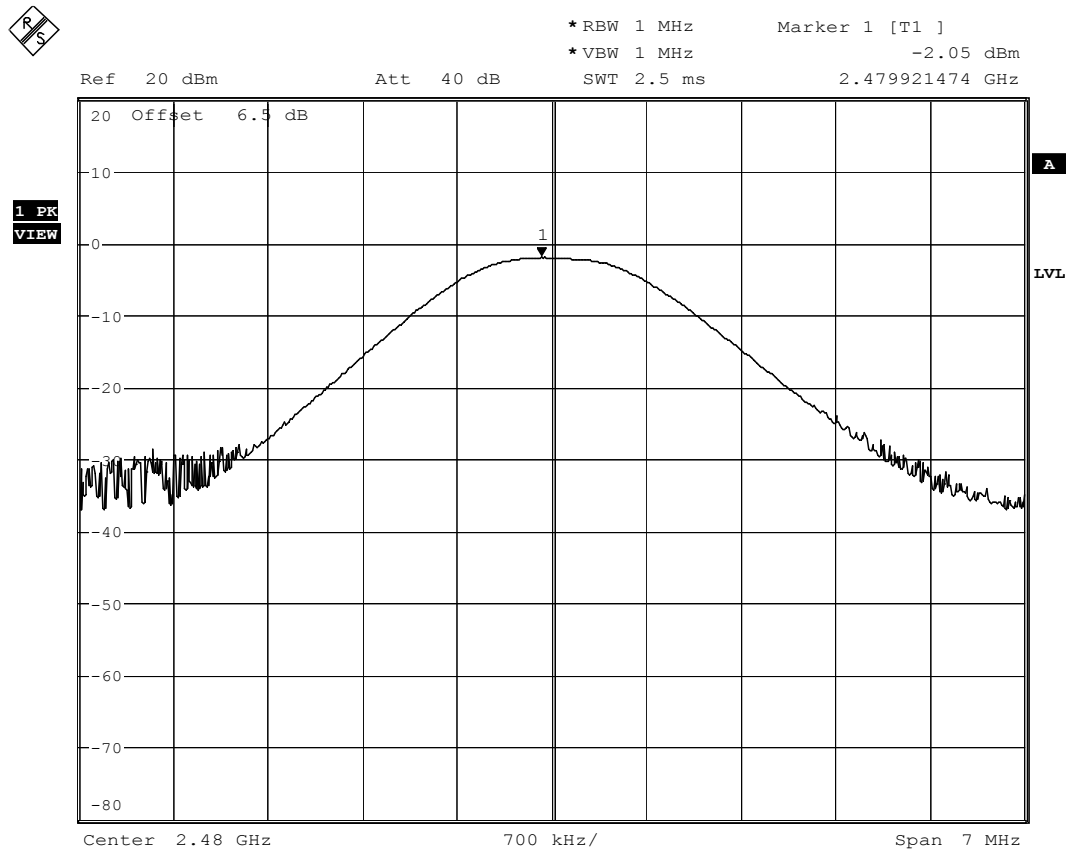
Date: 10.JUL.2008 10:27:44

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Output power=-2.05 dBm; verdict: PASS

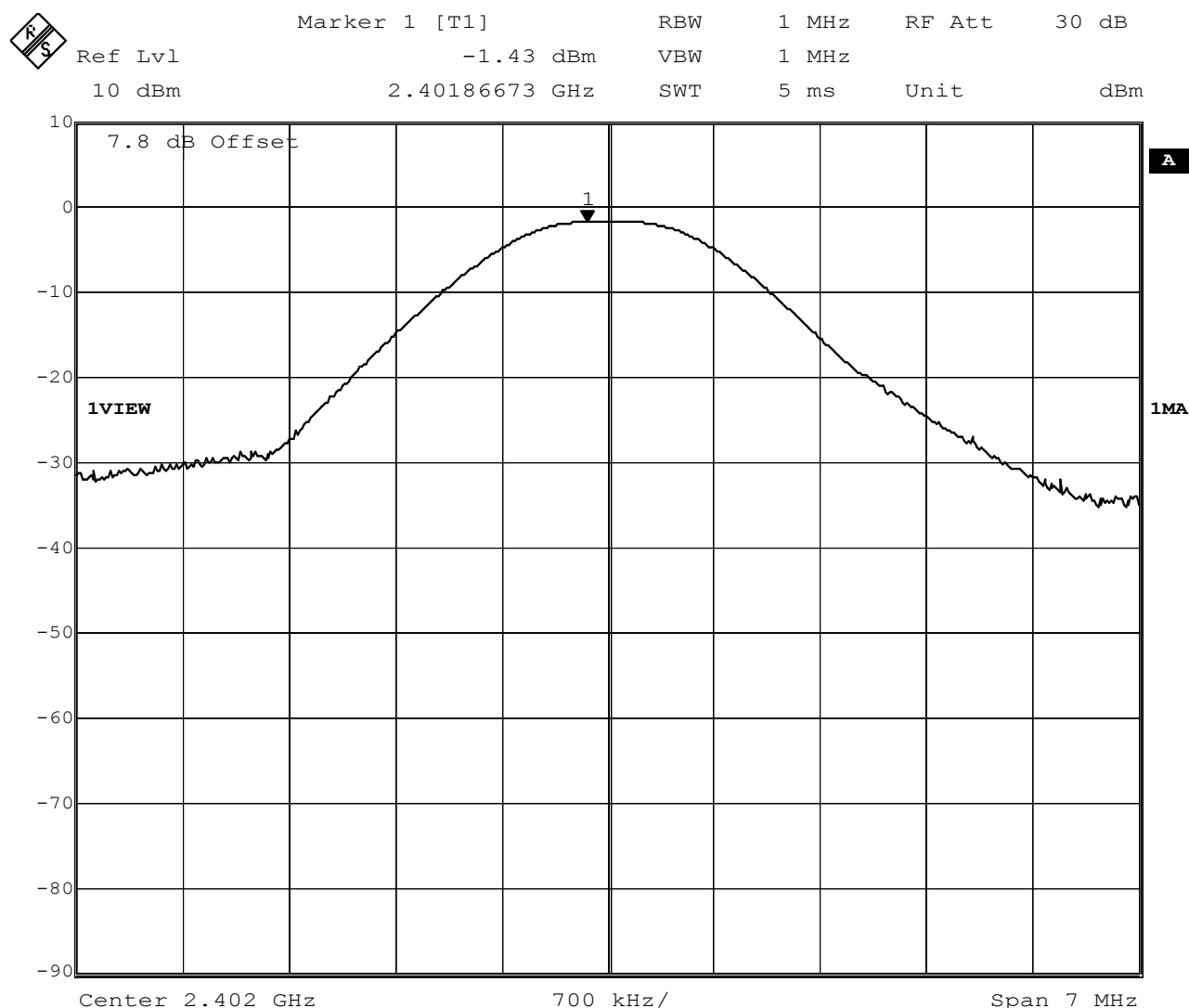
Date: 10.JUL.2008 10:29:05

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	23°C / Vmin
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



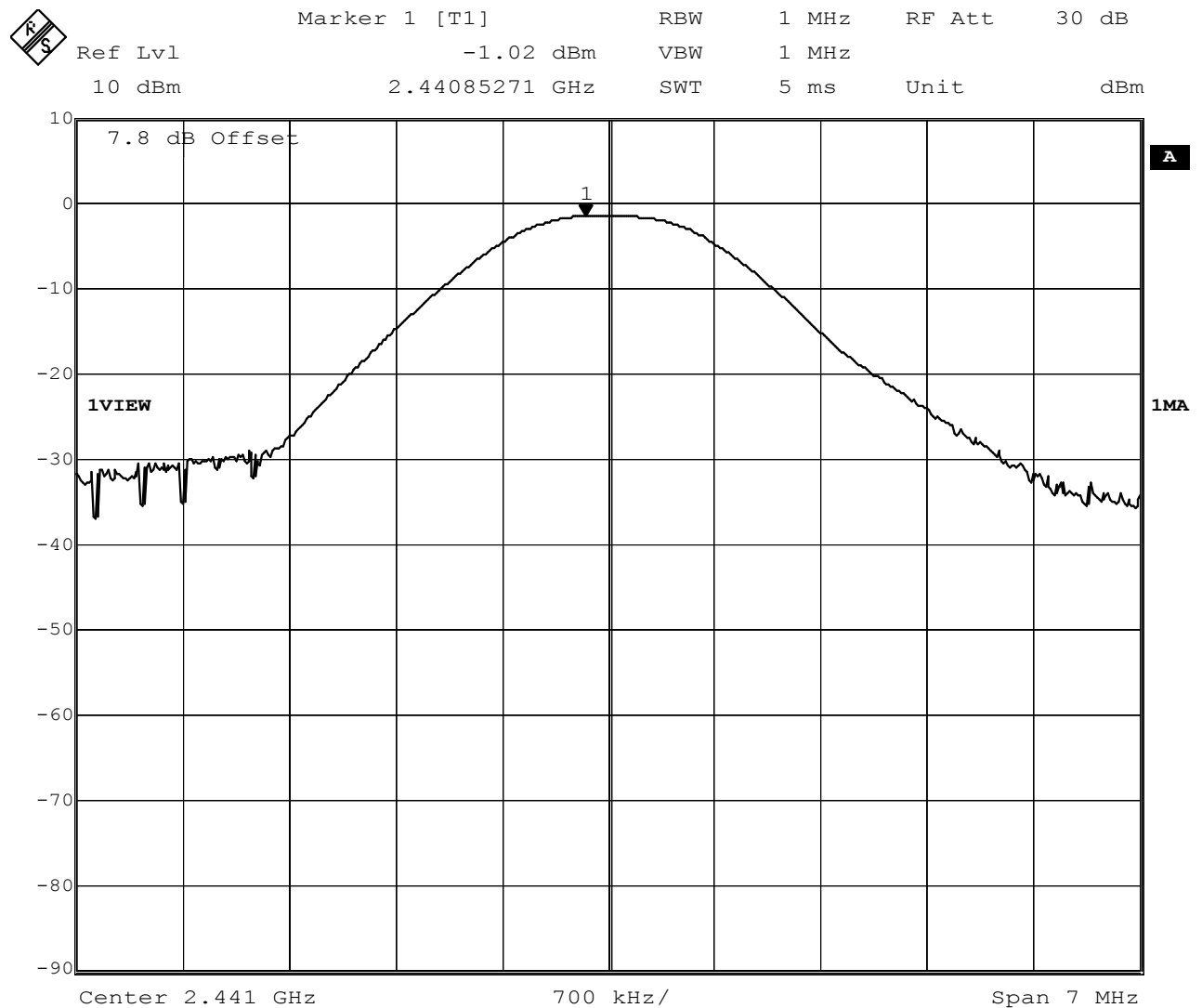
Comment A: Output power=-1.43 dBm; verdict: PASS
Date: 10.JUL.2008 13:18:58

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	23°C / Vmin
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Comment A: Output power=-1.02 dBm; verdict: PASS

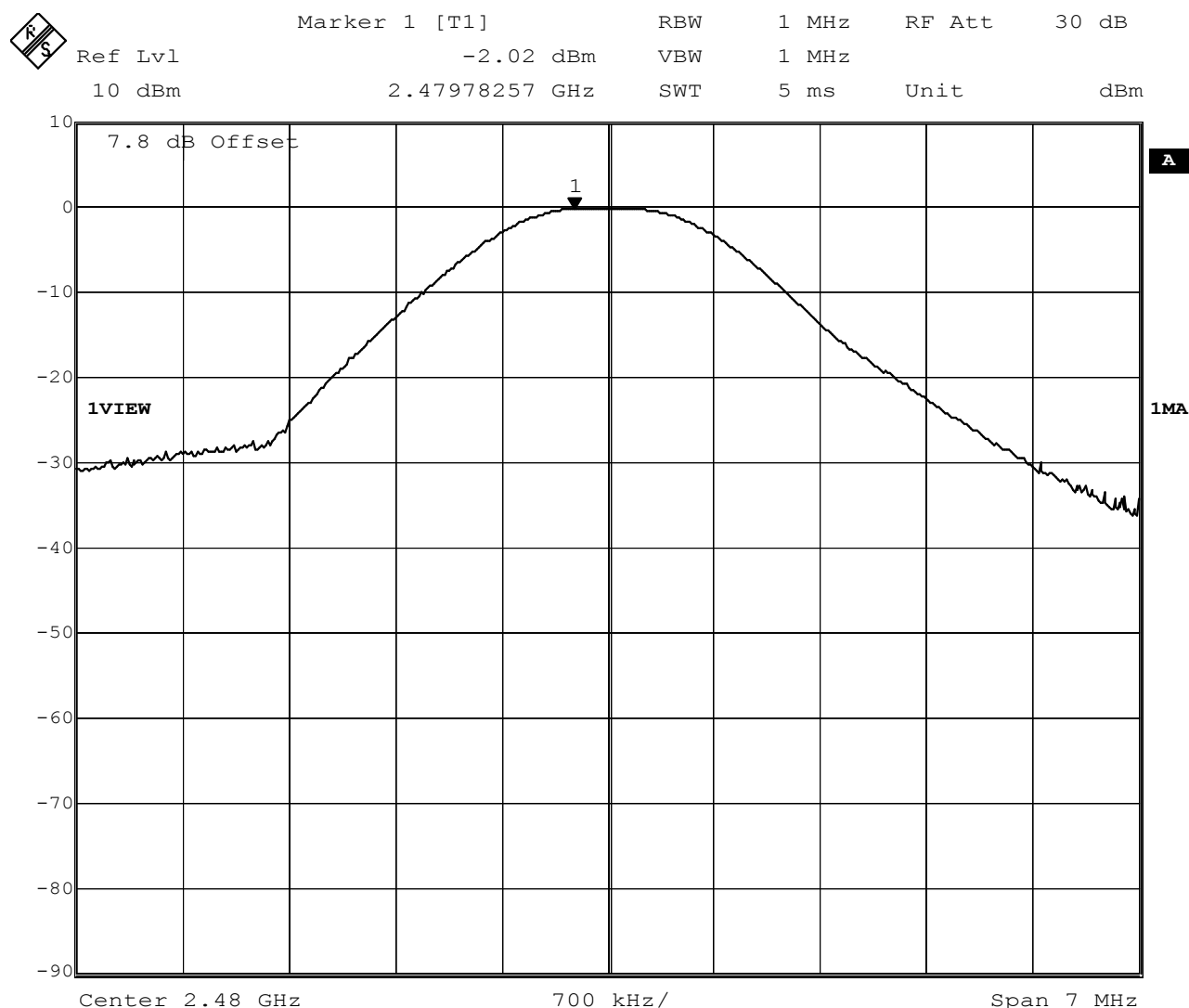
Date: 10.JUL.2008 13:29:45

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	23°C / Vmin
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



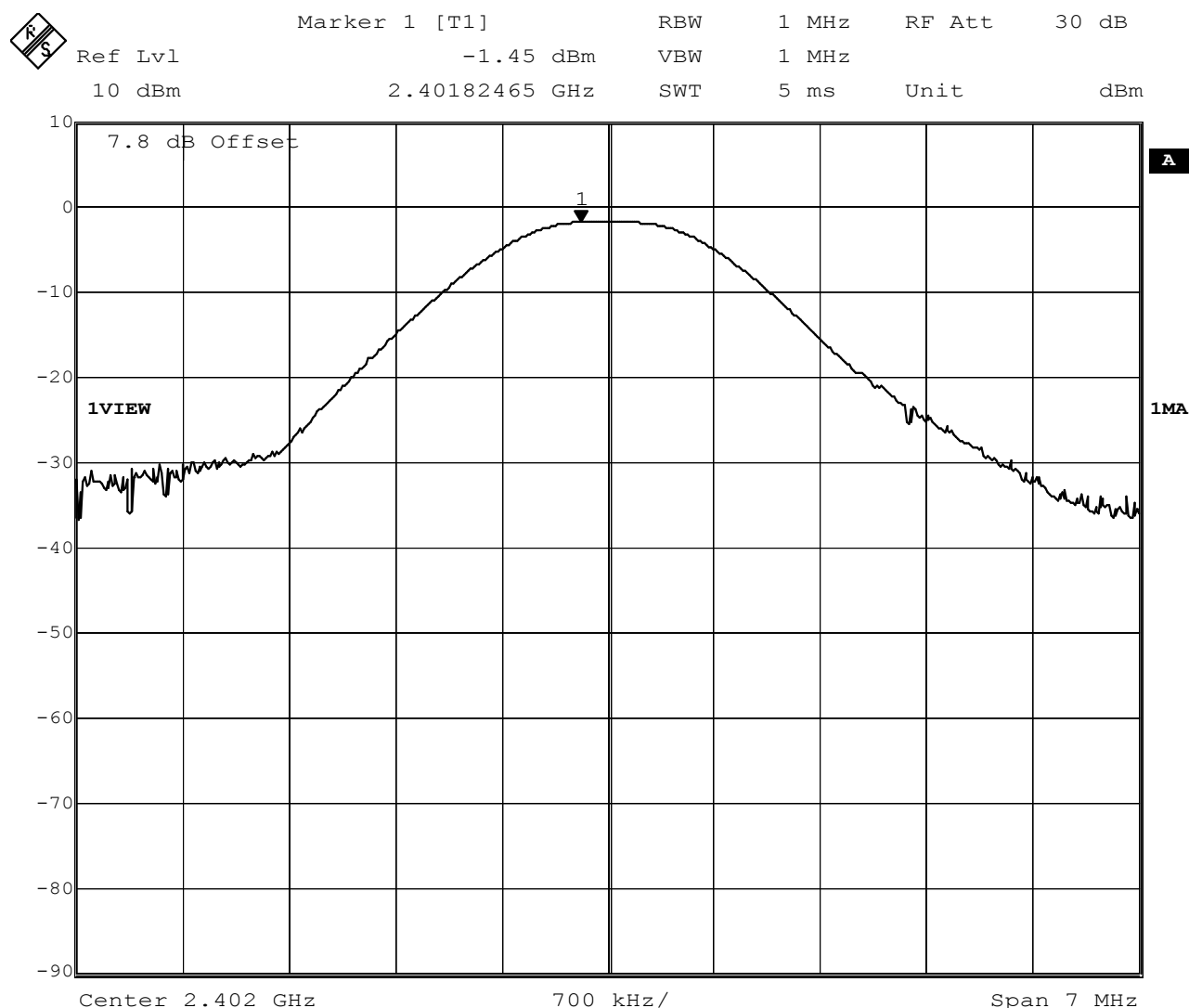
Comment A: Output power=-2.02 dBm; verdict: PASS
Date: 10.JUL.2008 13:45:55

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	23°C / Vmax
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



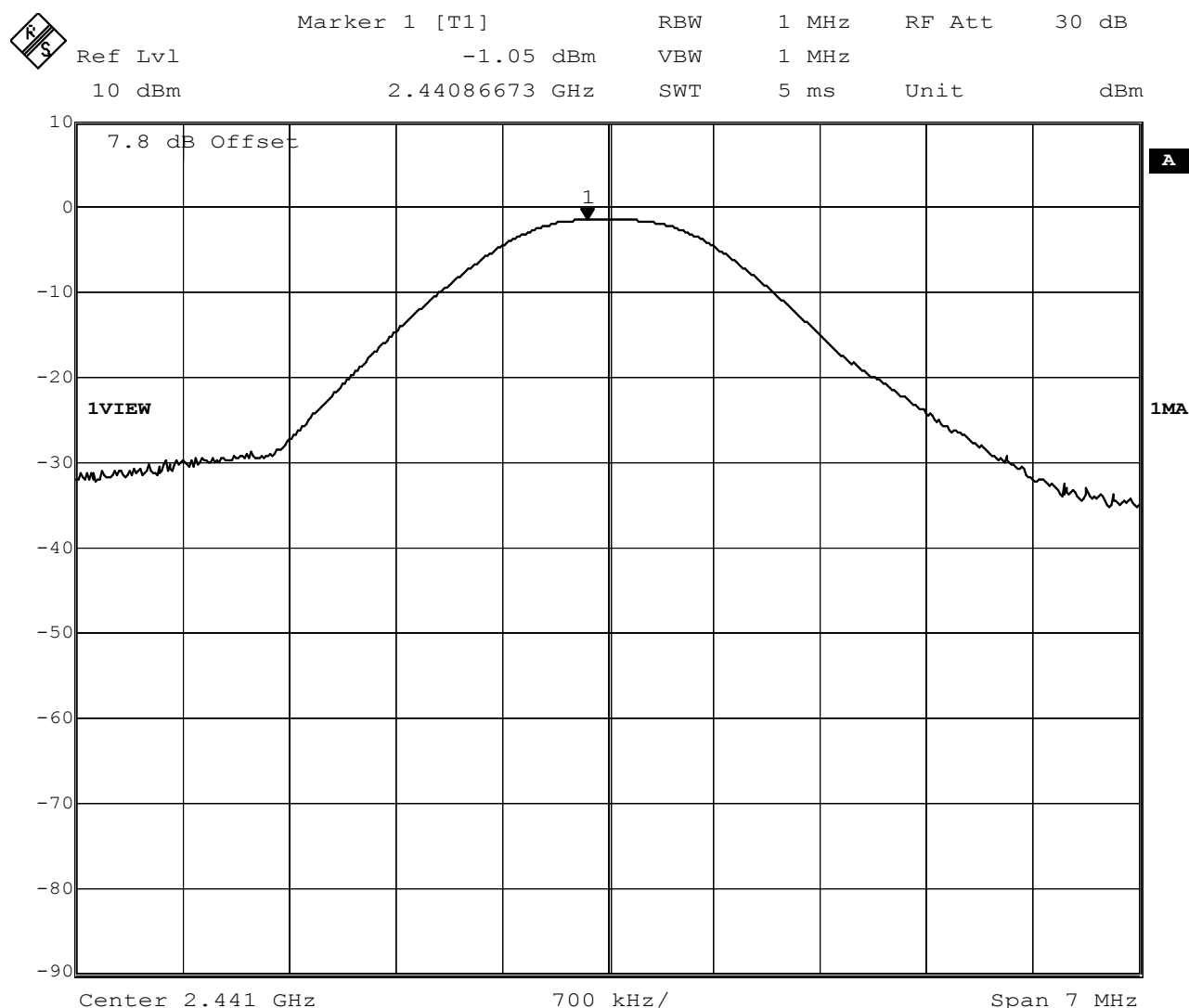
Comment A: Output power=-1.45 dBm; verdict: PASS
Date: 10.JUL.2008 13:21:51

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	23°C / Vmax
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



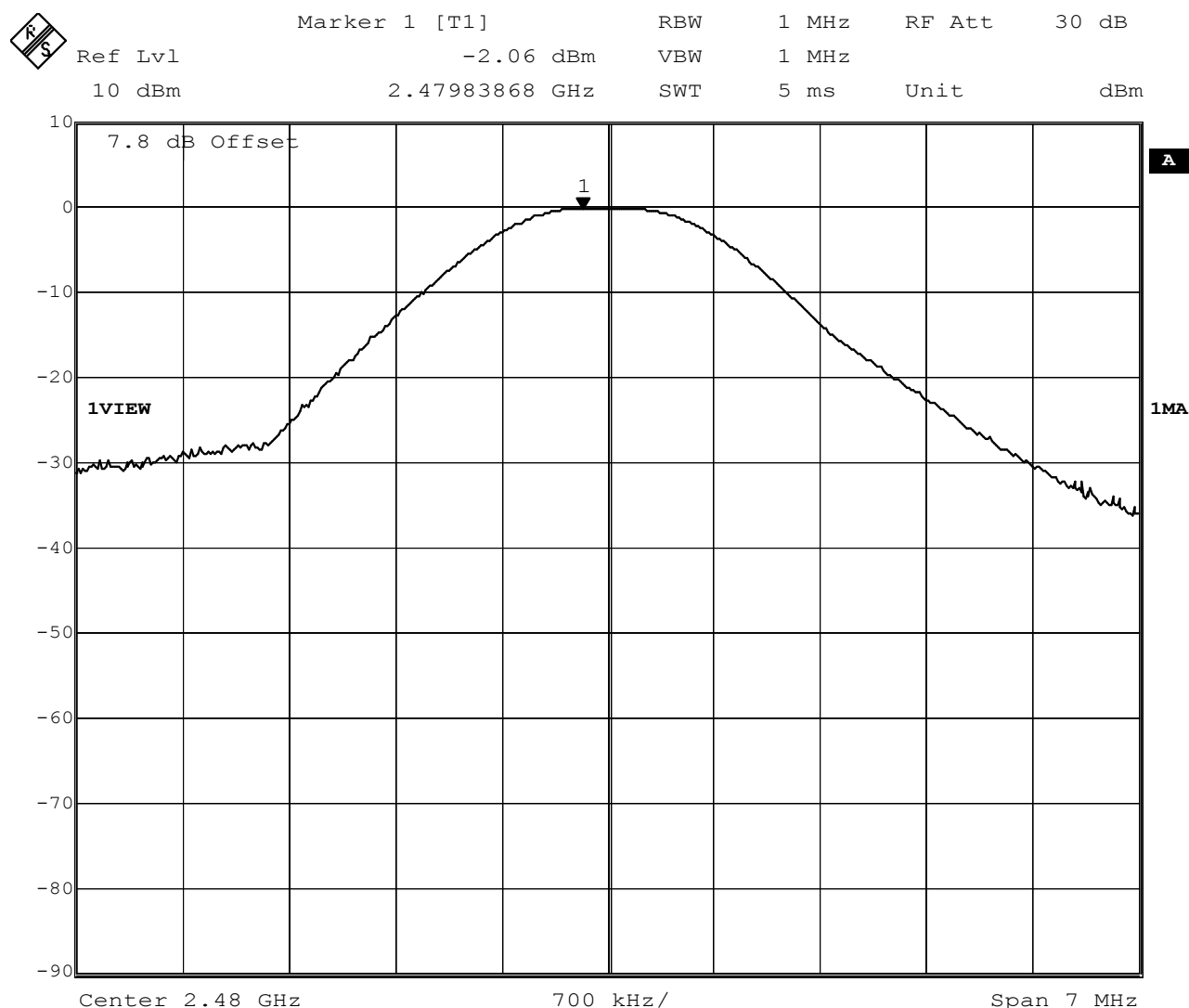
Comment A: Output power=-1.05 dBm; verdict: PASS
Date: 10.JUL.2008 13:27:09

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Peak output power conducted

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd.
Temperature / Voltage	23°C / Vmax
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Peak output power
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



Comment A: Output power=-2.06 dBm; verdict: PASS
Date: 10.JUL.2008 13:50:54

Measurement diagram

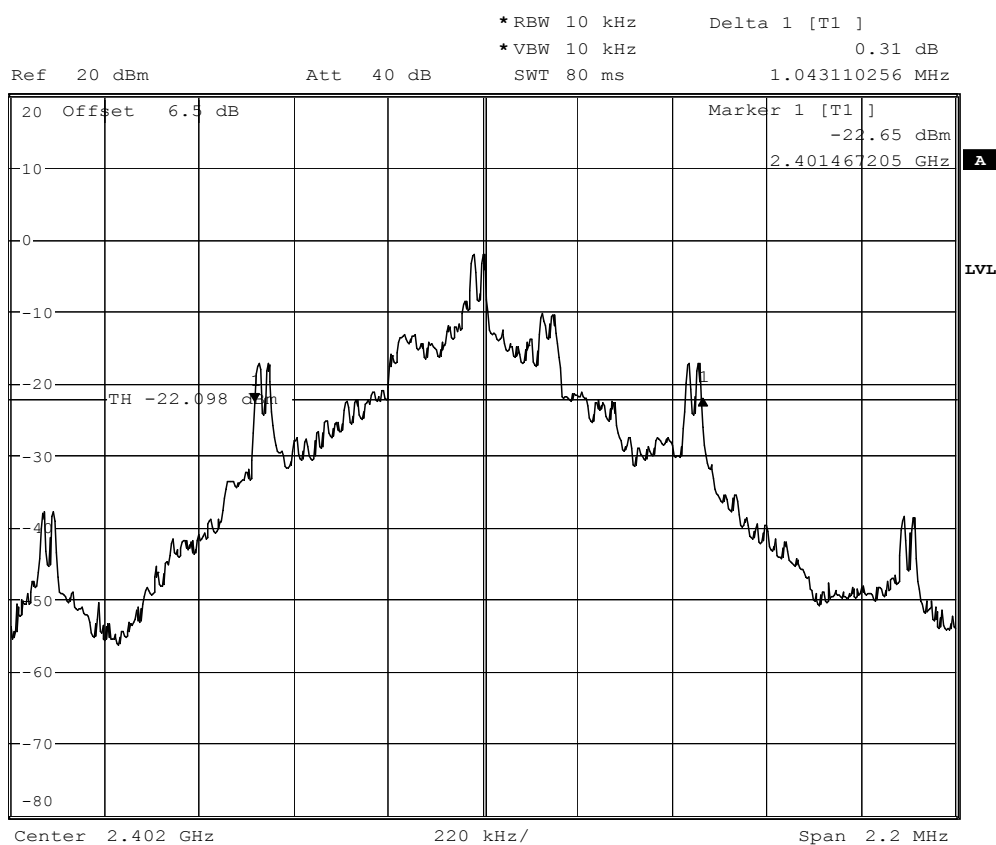
Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Annex C

20 dB bandwidth

FCC part 15.247
20 dB bandwidth

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	



20 dB bandwidth: 1043.1 KHz

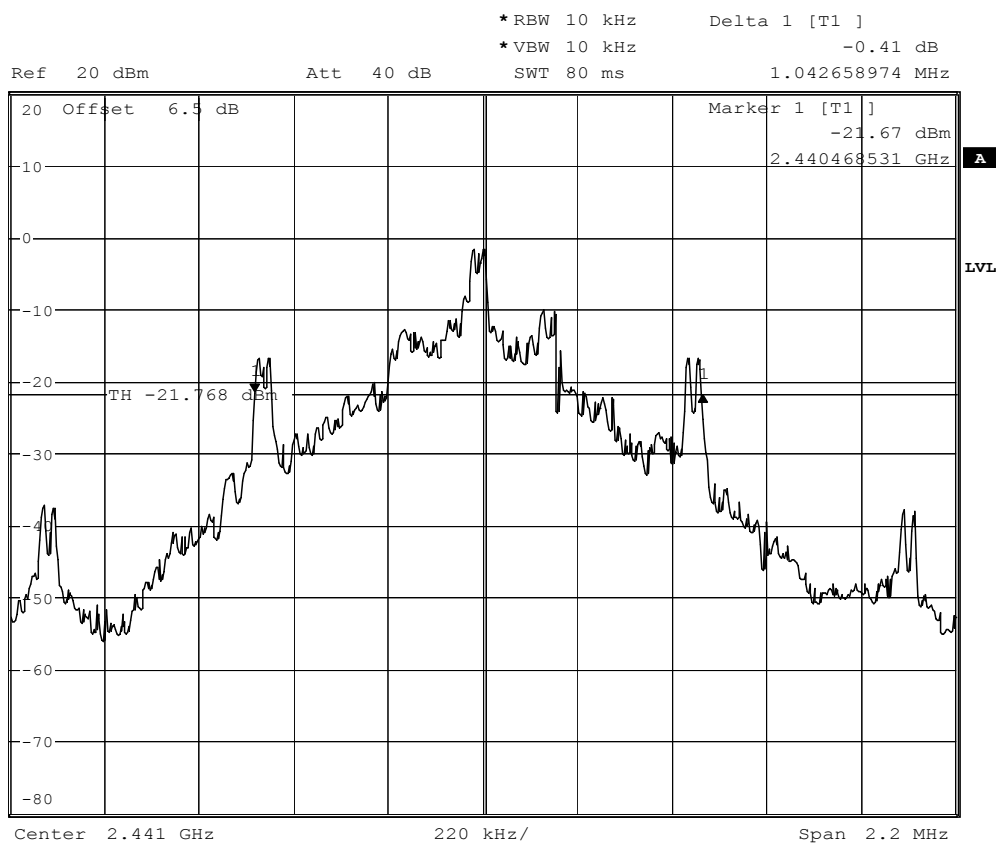
Date: 10.JUL.2008 11:07:55

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247
20 dB bandwidth

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



20 dB bandwidth: 1042.7 KHz

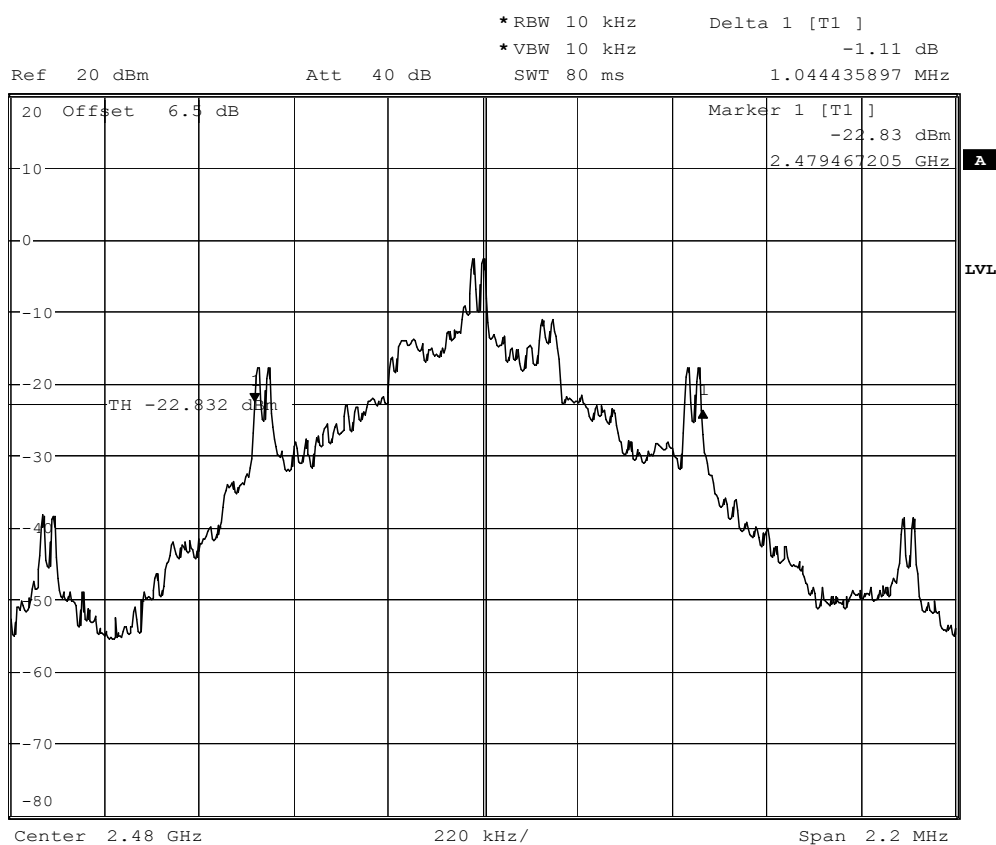
Date: 10.JUL.2008 11:10:19

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247
20 dB bandwidth

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	



20 dB bandwidth: 1044.4 KHz

Date: 10.JUL.2008 11:12:39

Measurement diagram

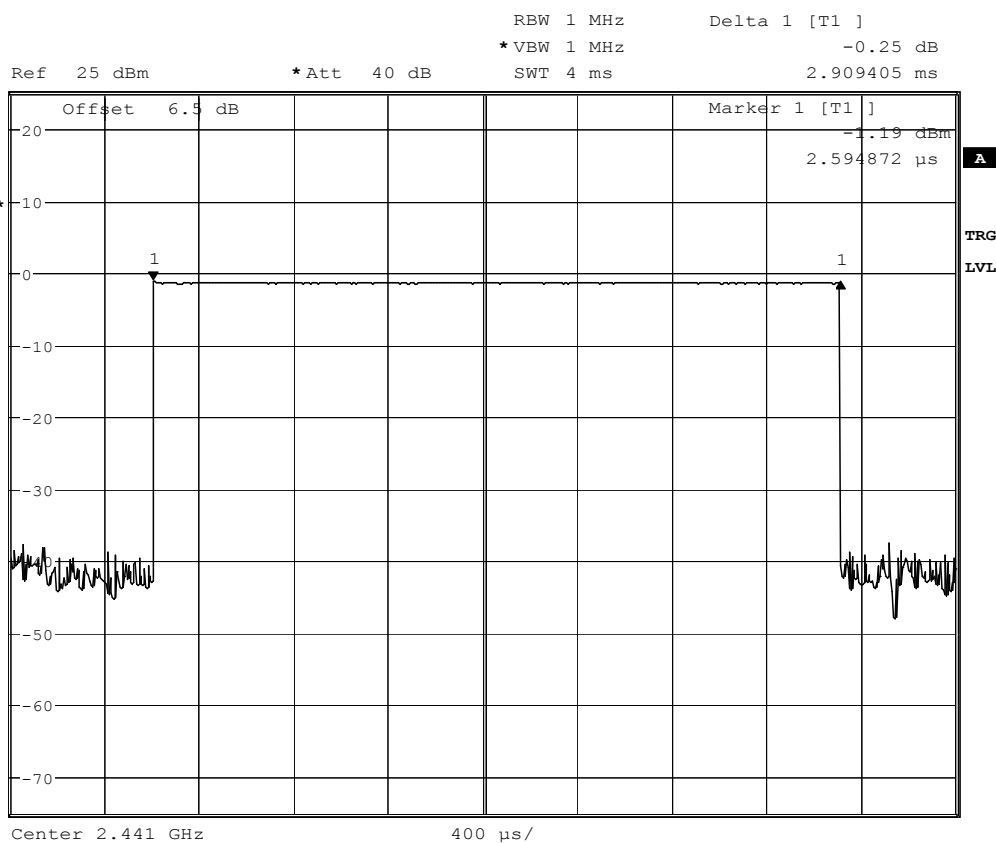
Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Annex D

Time of occupancy (dwell time)

FCC part 15.247 Time of occupancy (dwell time)

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)
Comment 1	Time of occupancy
Comment 2	Channel.: 39 / 2441 MHz (Hopping mode)
Comment 3	63 events * 2.909 ms result: 183.267 ms



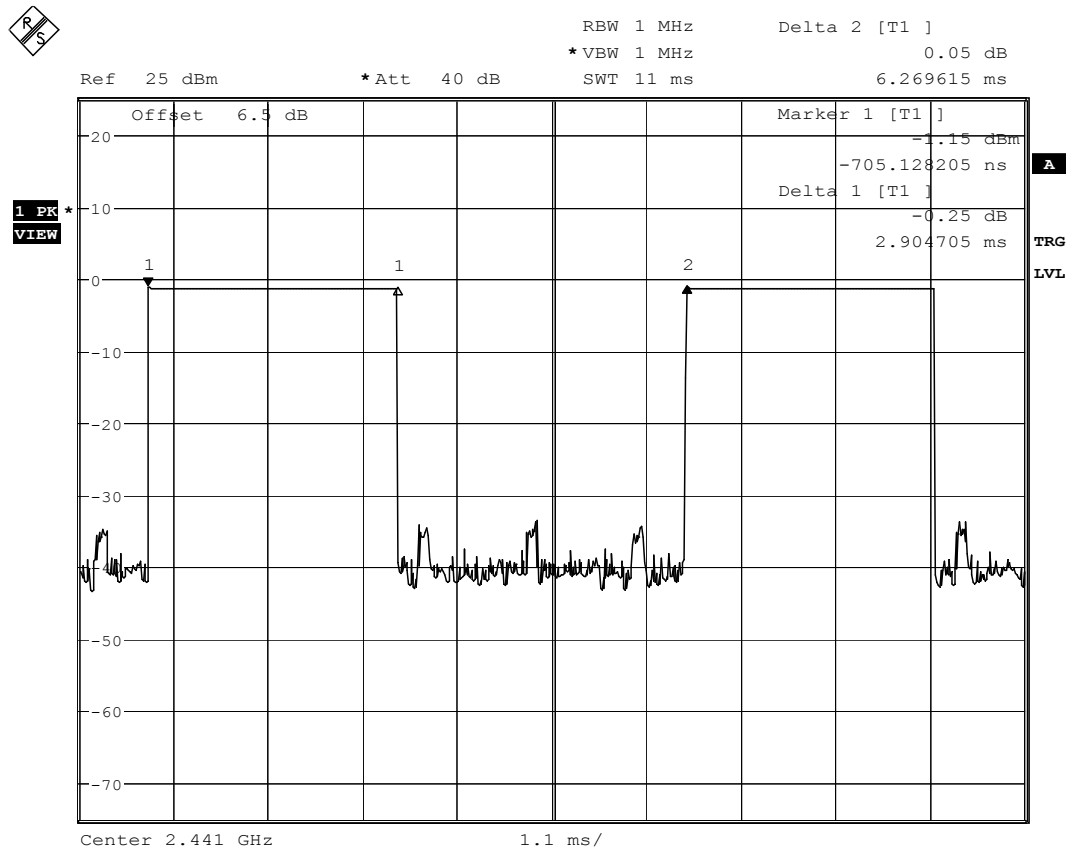
Burst length=2.90941 ms
Date: 10.JUL.2008 12:48:59

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Duty cycle

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(b)
Comment 1	Duty cycle
Comment 2	Channel.: 39 / 2441 MHz
Comment 3	



Duty cycle=0.46

Date: 10.JUL.2008 12:17:14

Measurement diagram

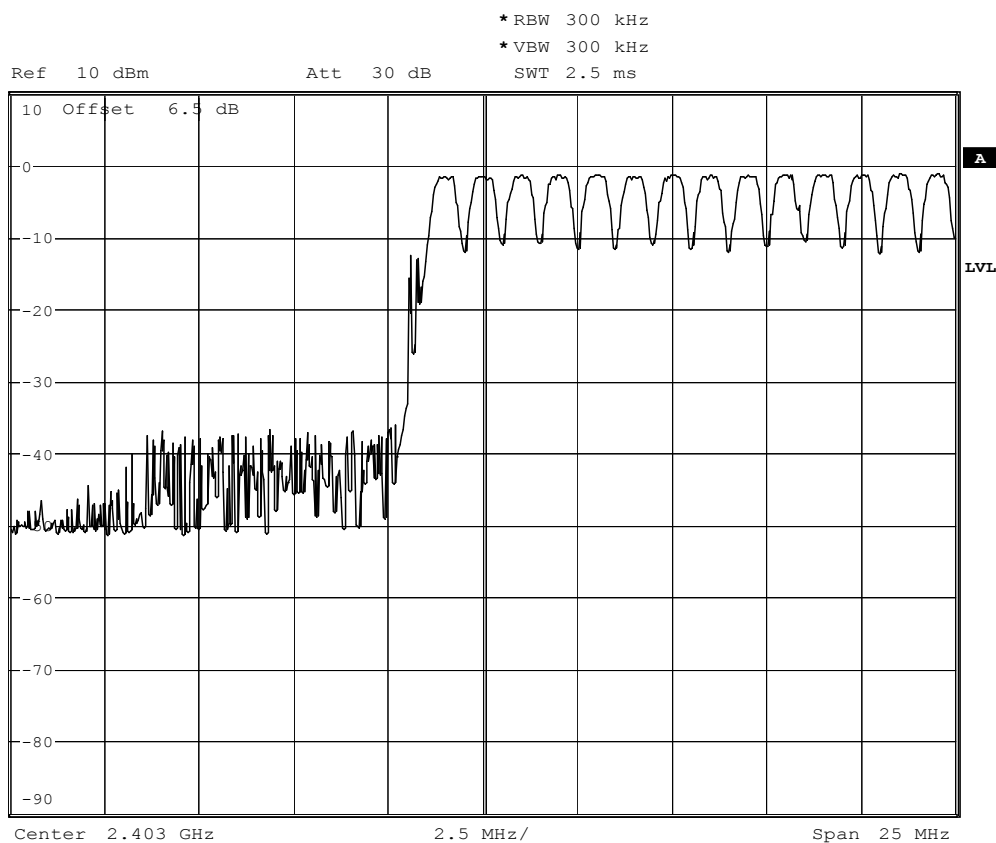
Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Annex E

Number of hopping frequencies

FCC part 15.247 Number of hopping frequencies

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 0-13
Comment 3	



Number of hopping frequencies

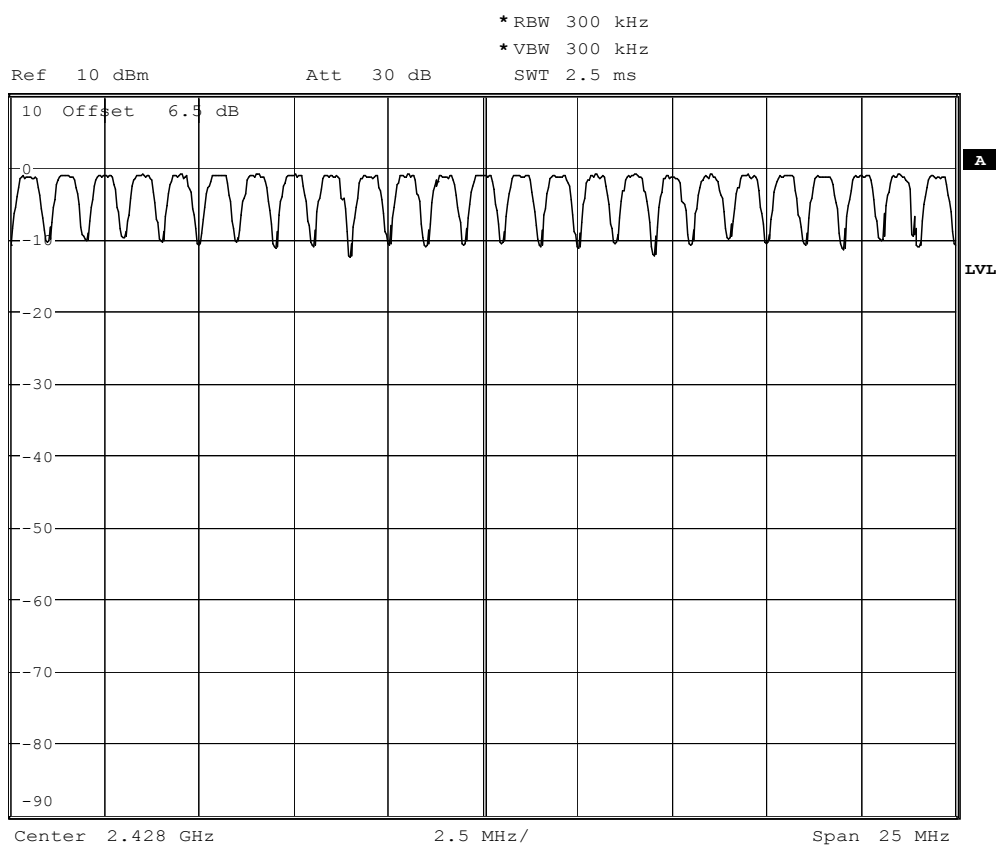
Date: 10.JUL.2008 11:56:43

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Number of hopping frequencies

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 14-38
Comment 3	



Date: 10.JUL.2008 12:04:46

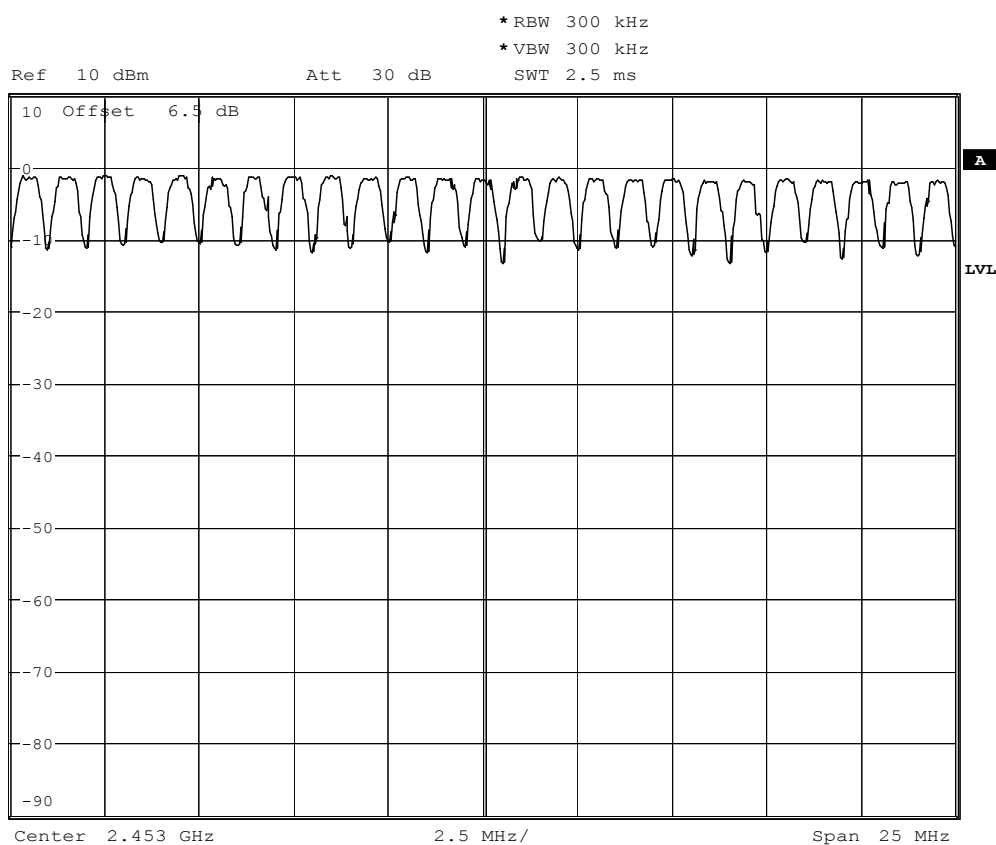
Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247

Number of hopping frequencies

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.:39-63
Comment 3	



Number of hopping frequencies

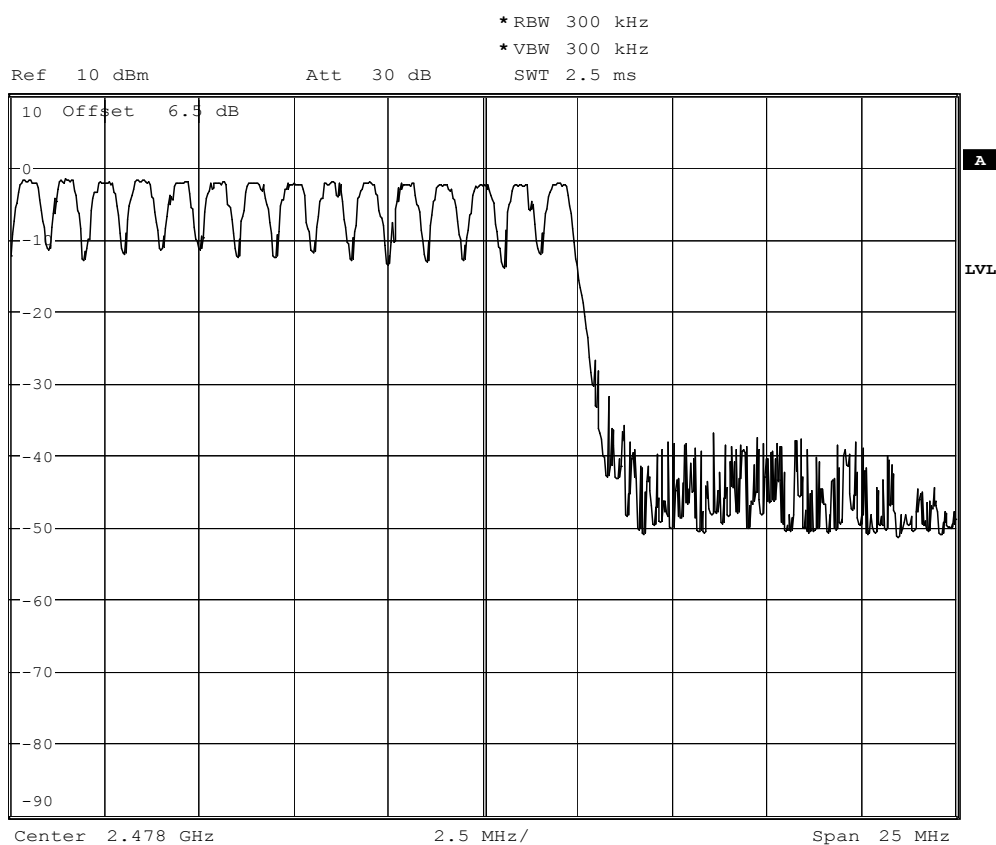
Date: 10.JUL.2008 12:10:07

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Number of hopping frequencies

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 64-78
Comment 3	



Number of hopping frequencies

Date: 10.JUL.2008 12:14:38

Measurement diagram

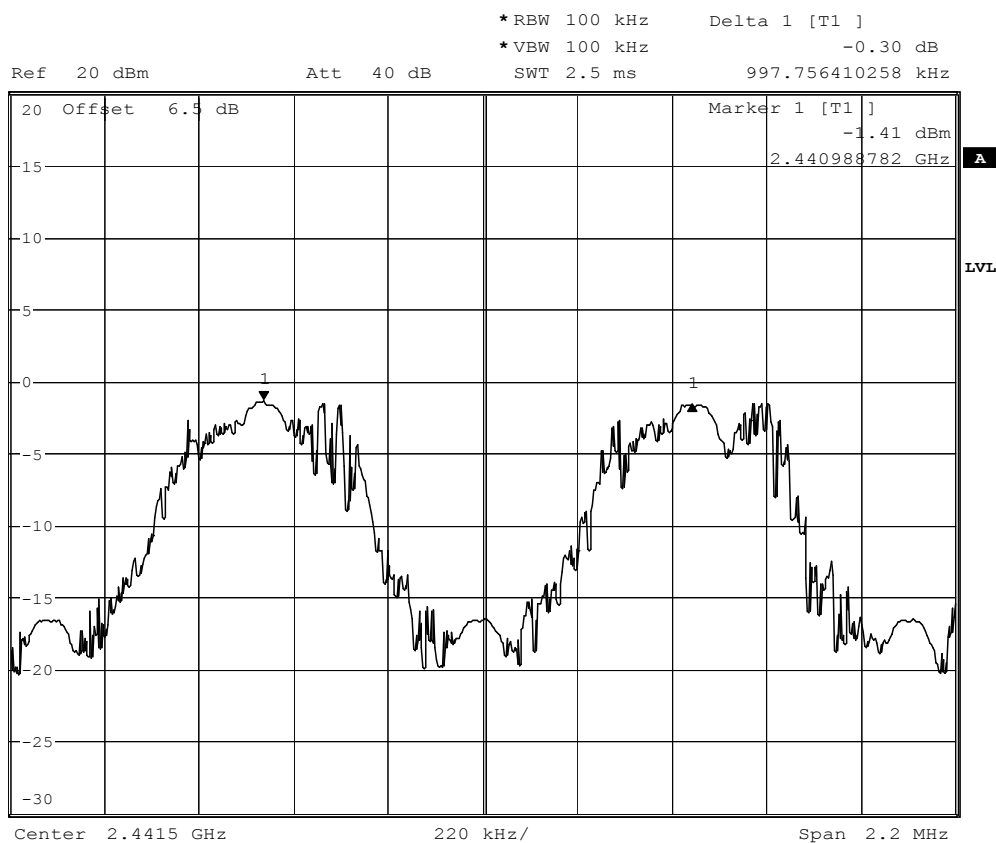
Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Annex F

Carrier frequency separation

FCC part 15.247 Carrier frequency separation

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(a)(1)
Comment 1	Carrier frequency separation
Comment 2	Channel.: 39/40 / 2441/2442 MHz
Comment 3	Hopping mode



Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass

Date: 10.JUL.2008 11:46:52

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

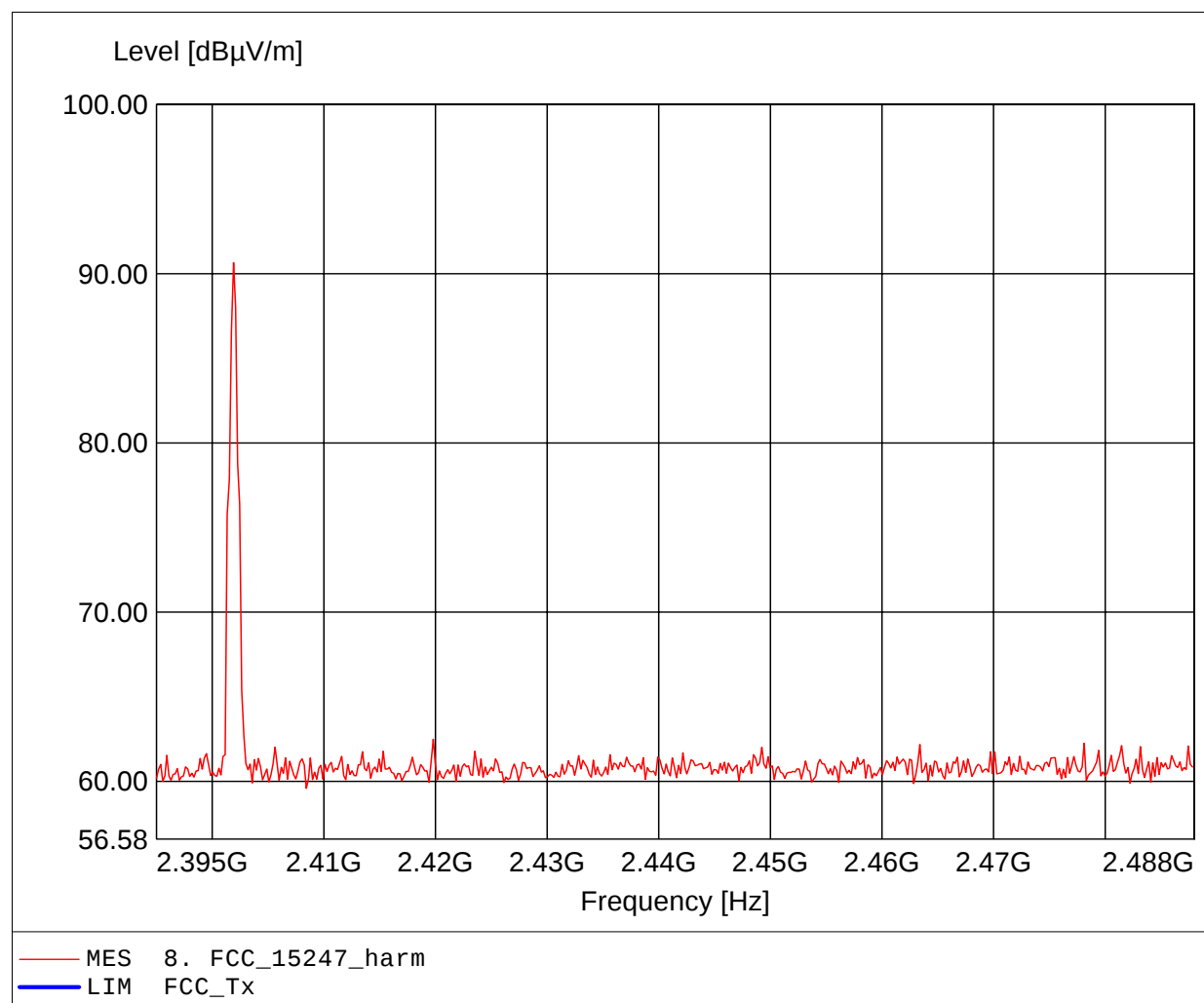
Annex G

Spurious emission radiated

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

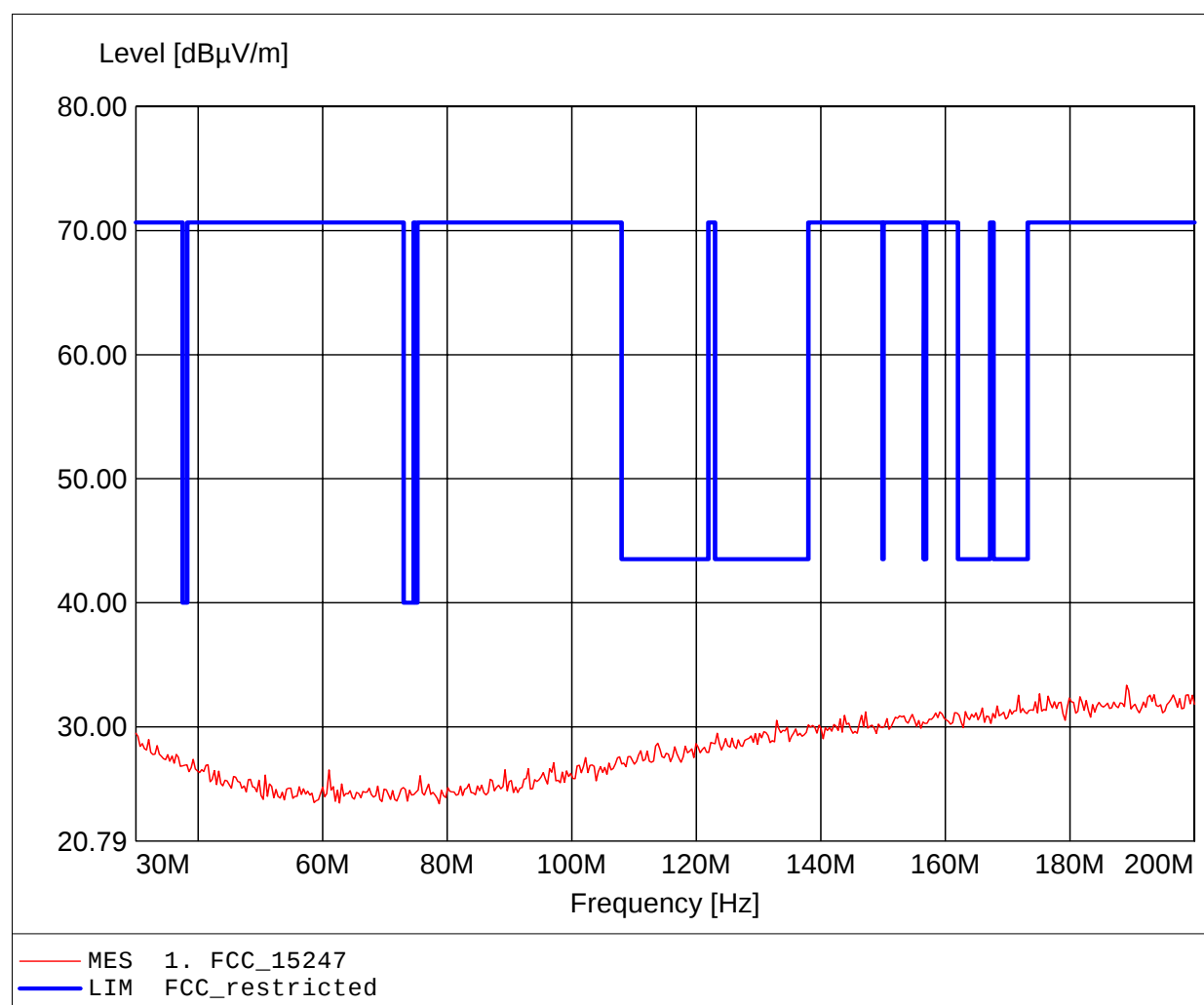
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Emax: 90.66dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

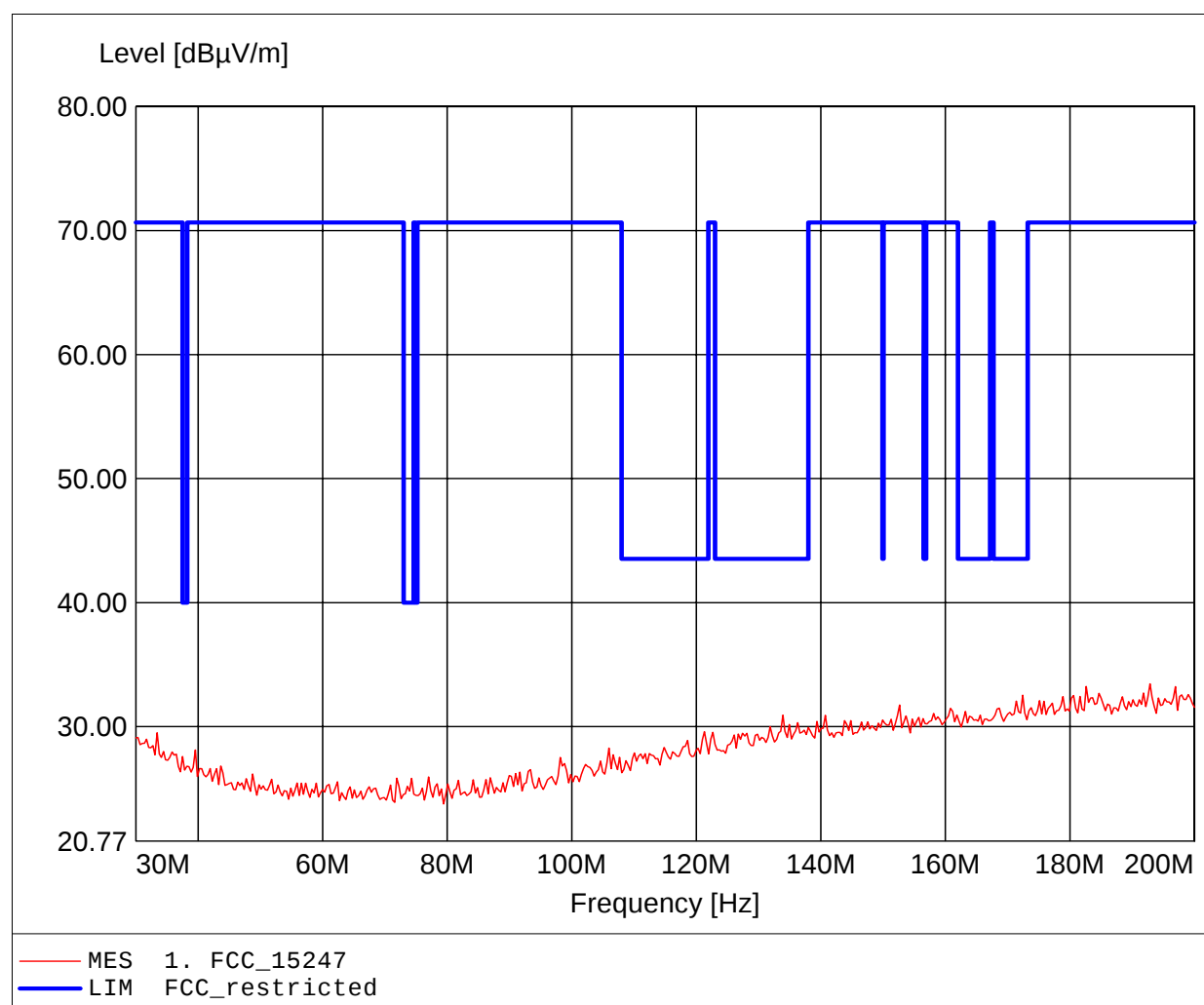
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 189.098MHz, Emax: 33.35dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

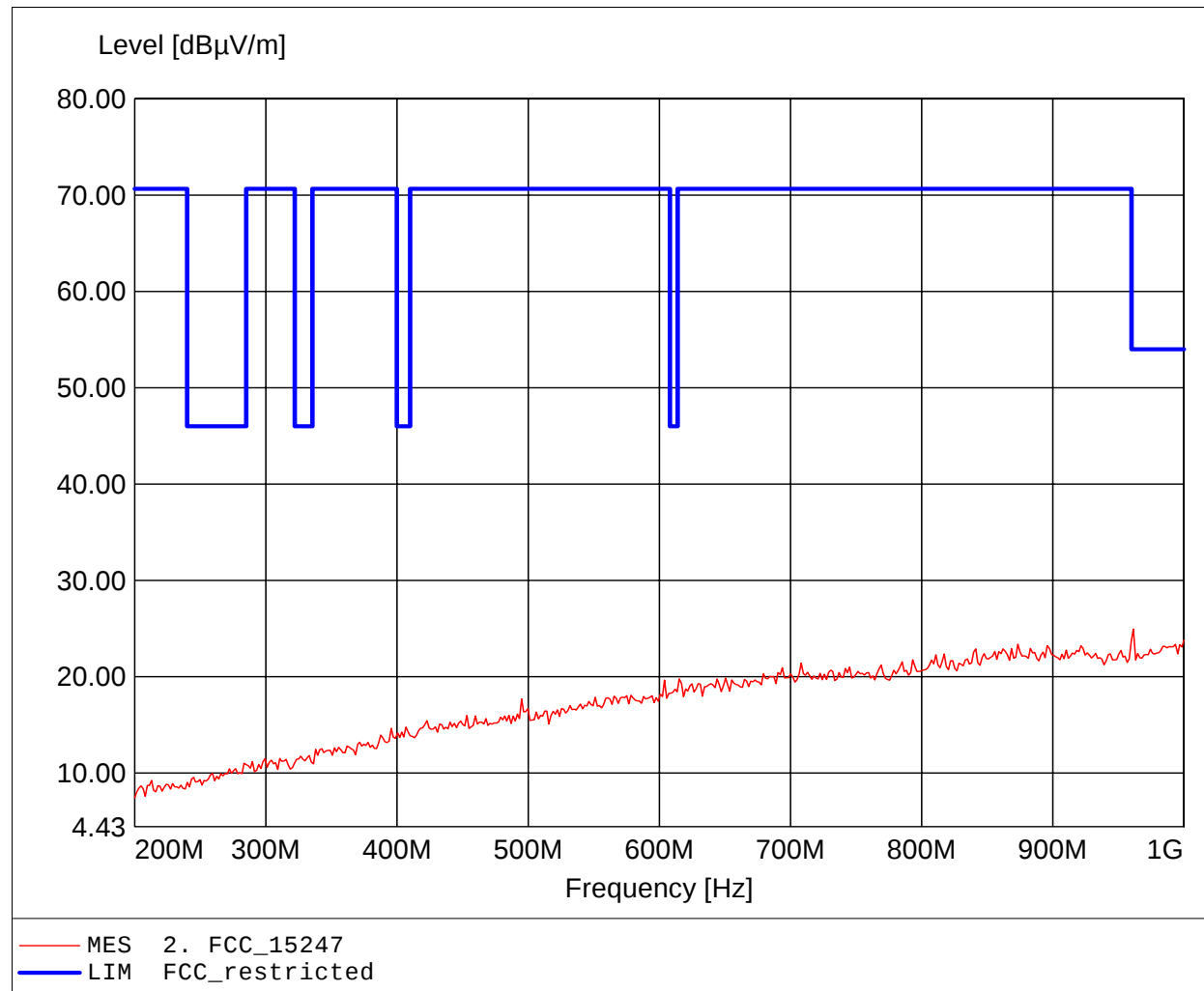
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.846MHz, Emax: 33.46dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

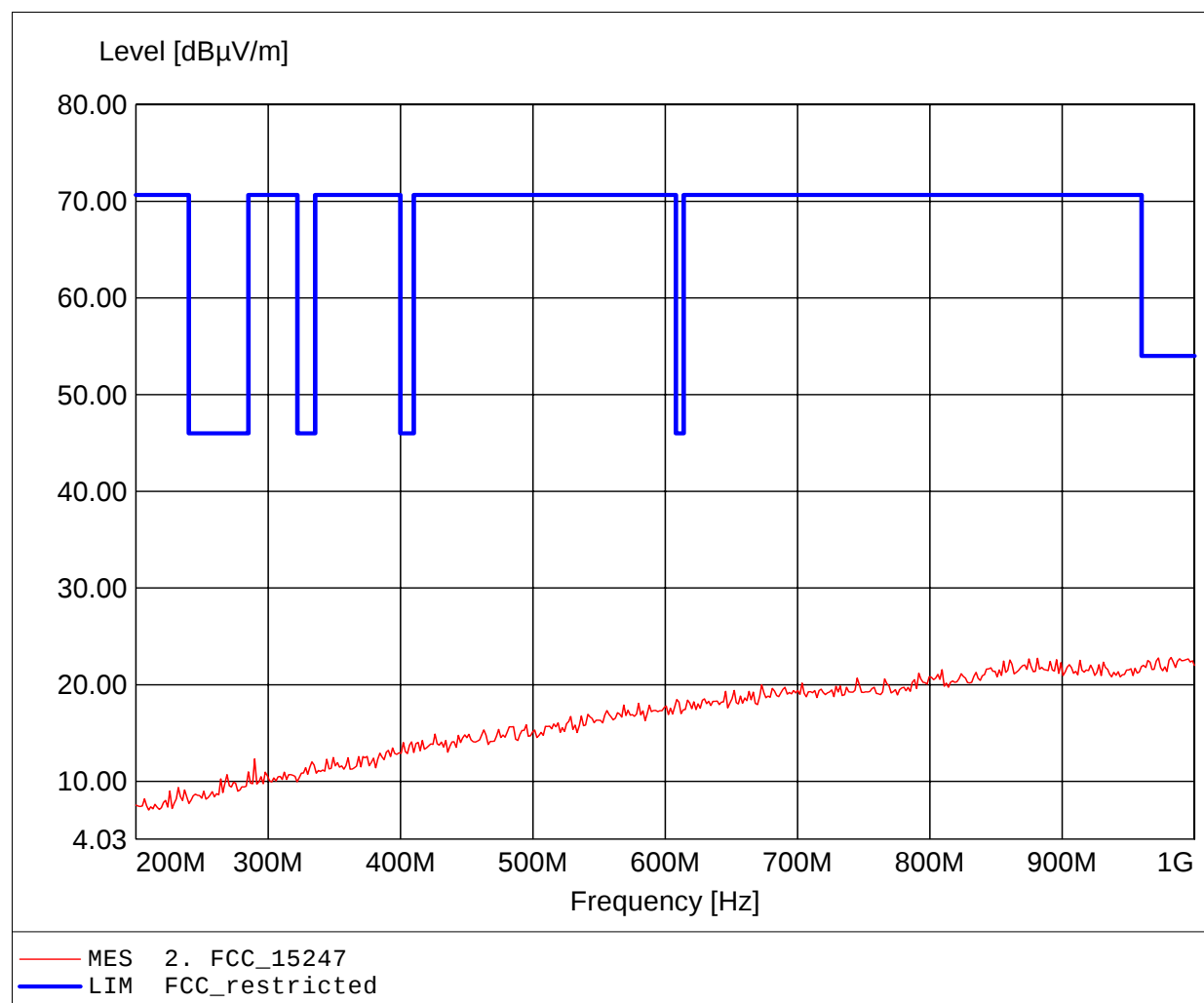
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 961.523MHz, Emax: 24.95dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

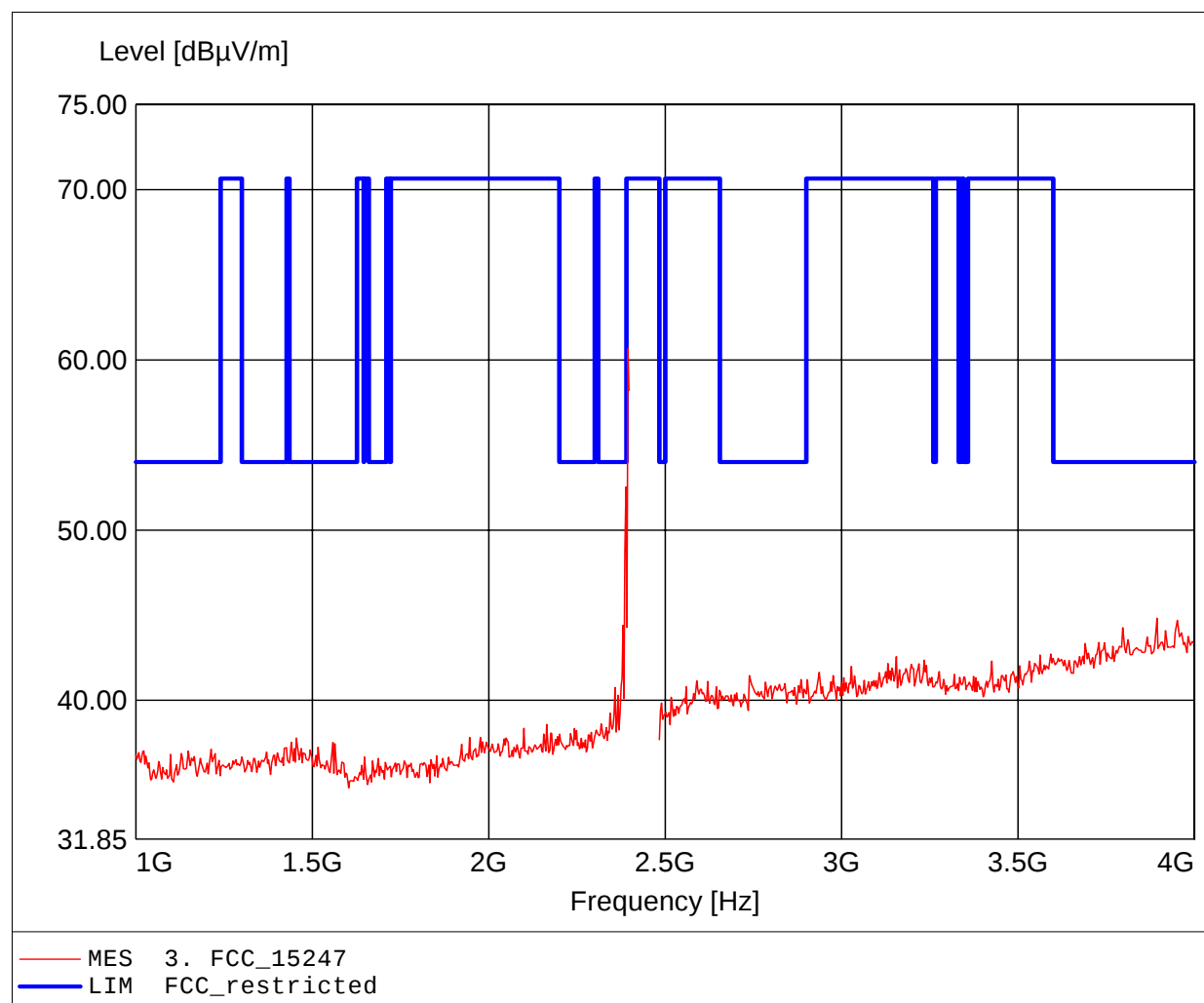
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 982.365MHz, Emax: 22.81dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

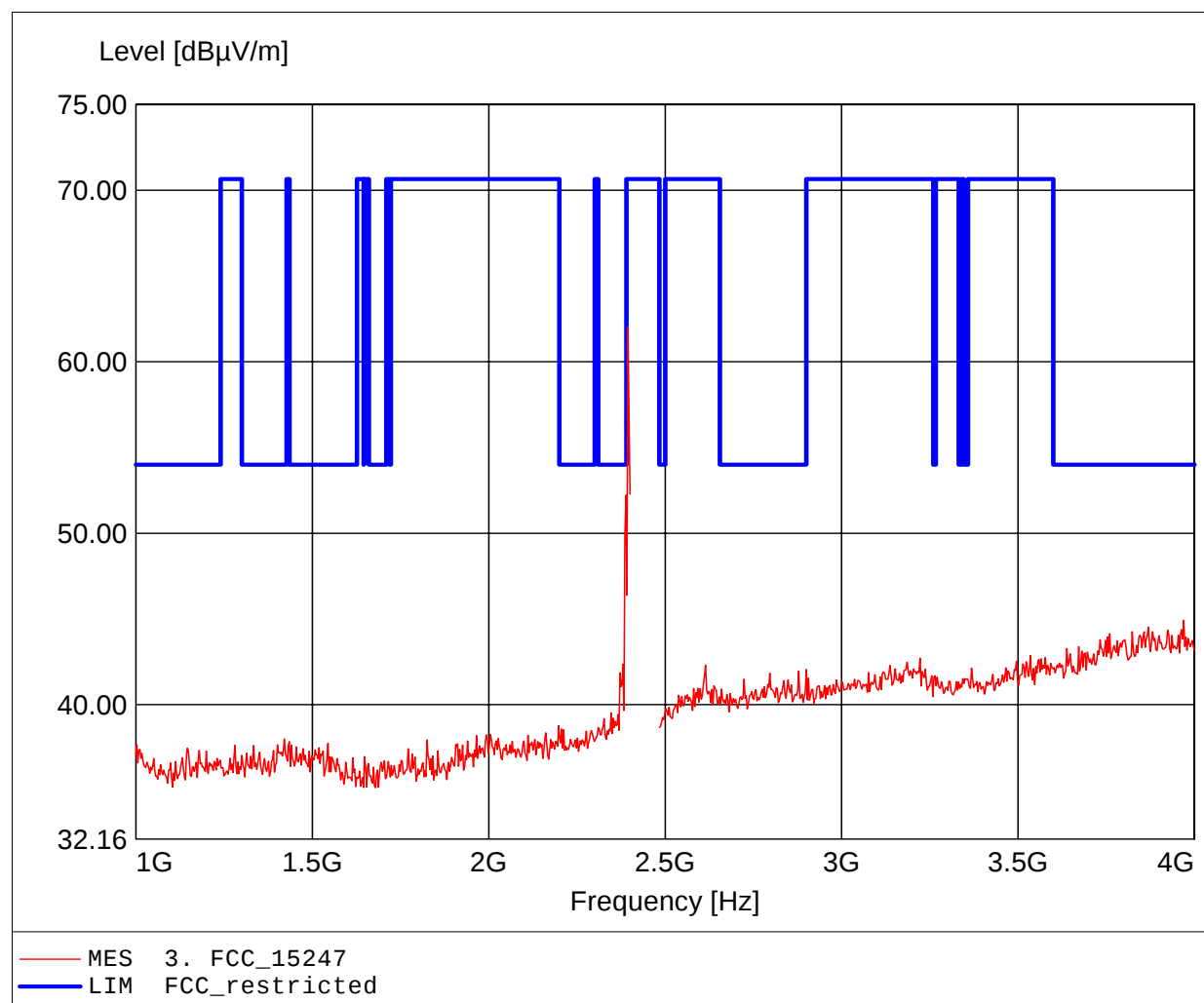
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.394GHz, Emax: 60.67dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

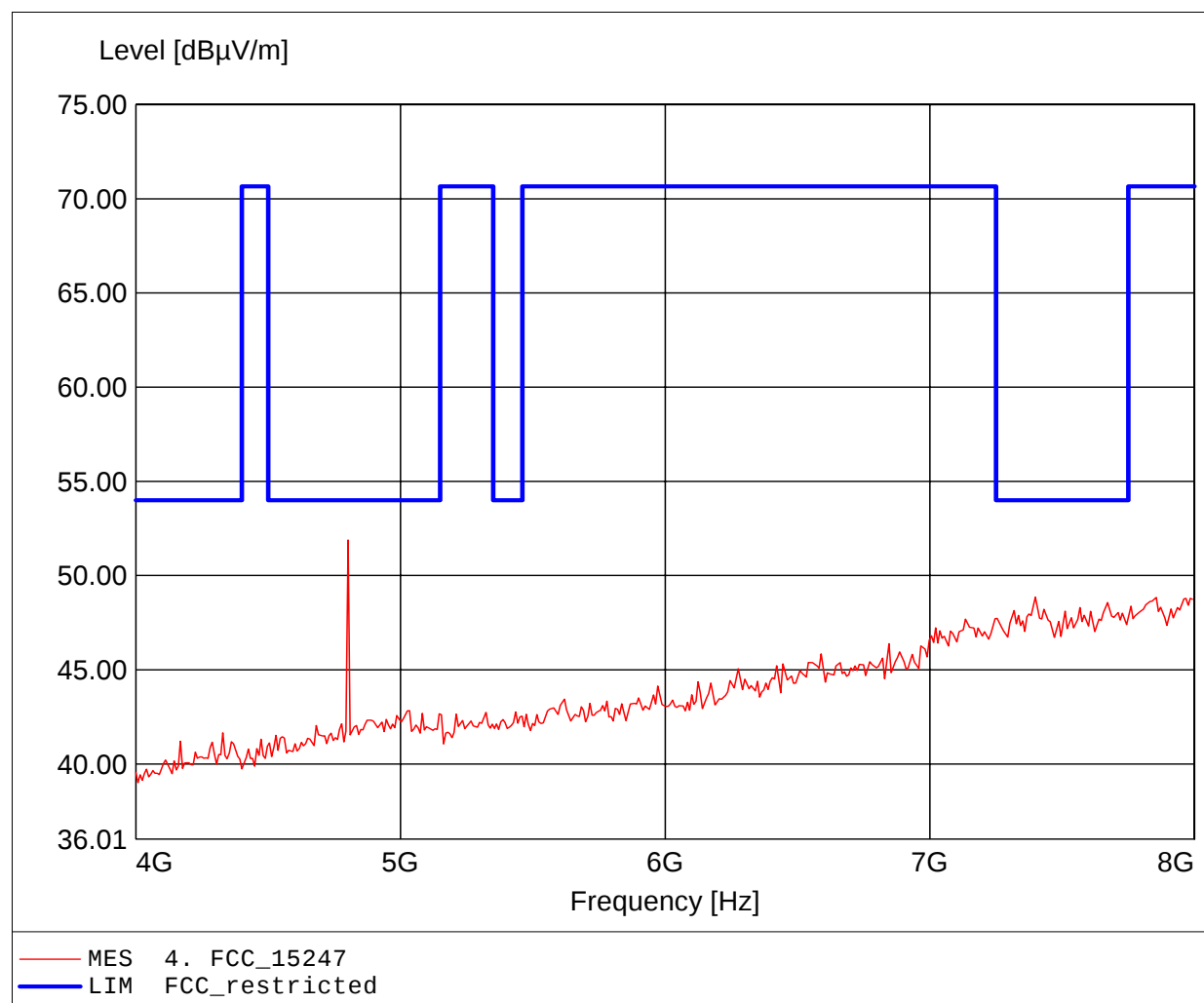
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.394GHz, Emax: 62.05dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

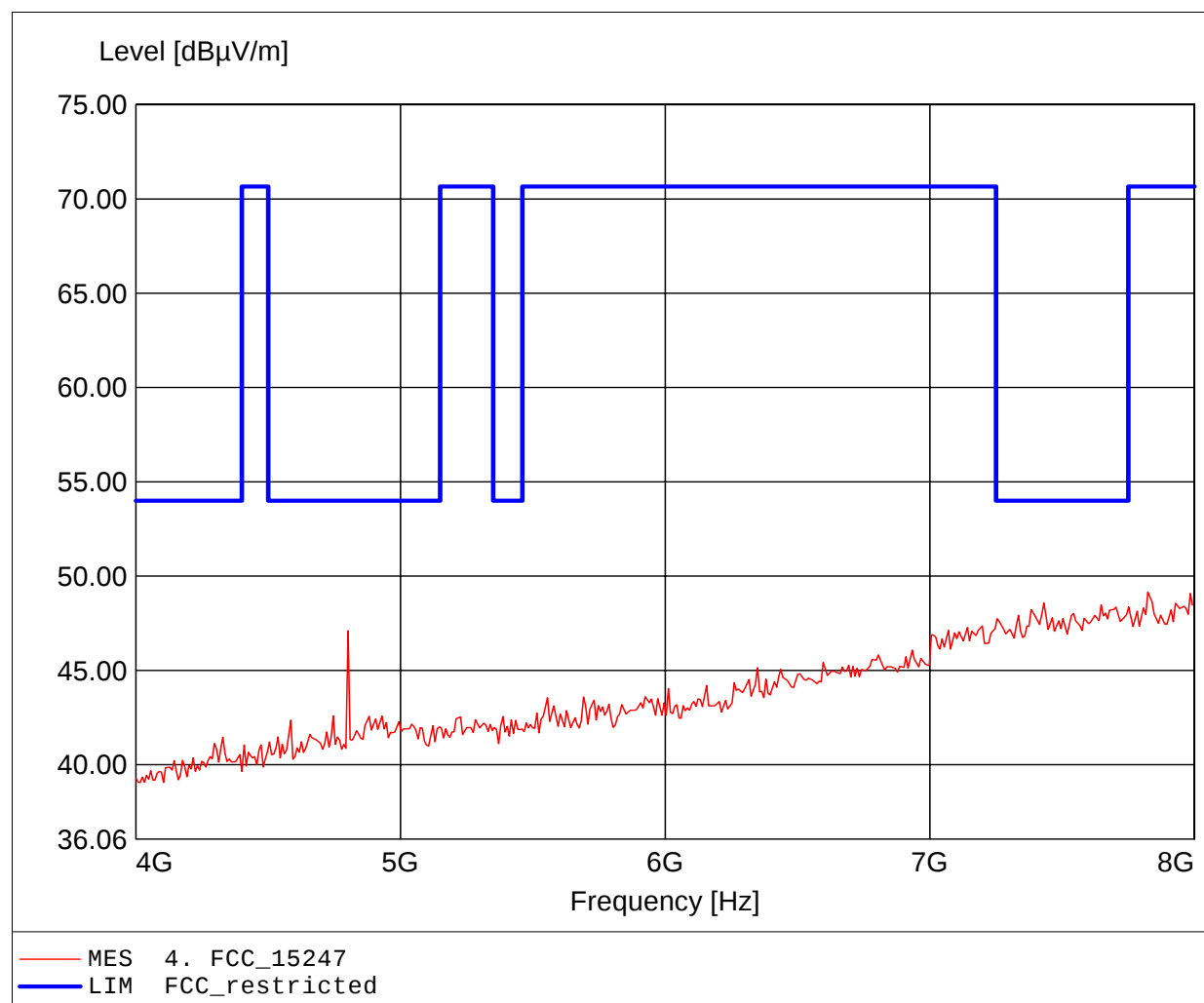
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 51.89dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

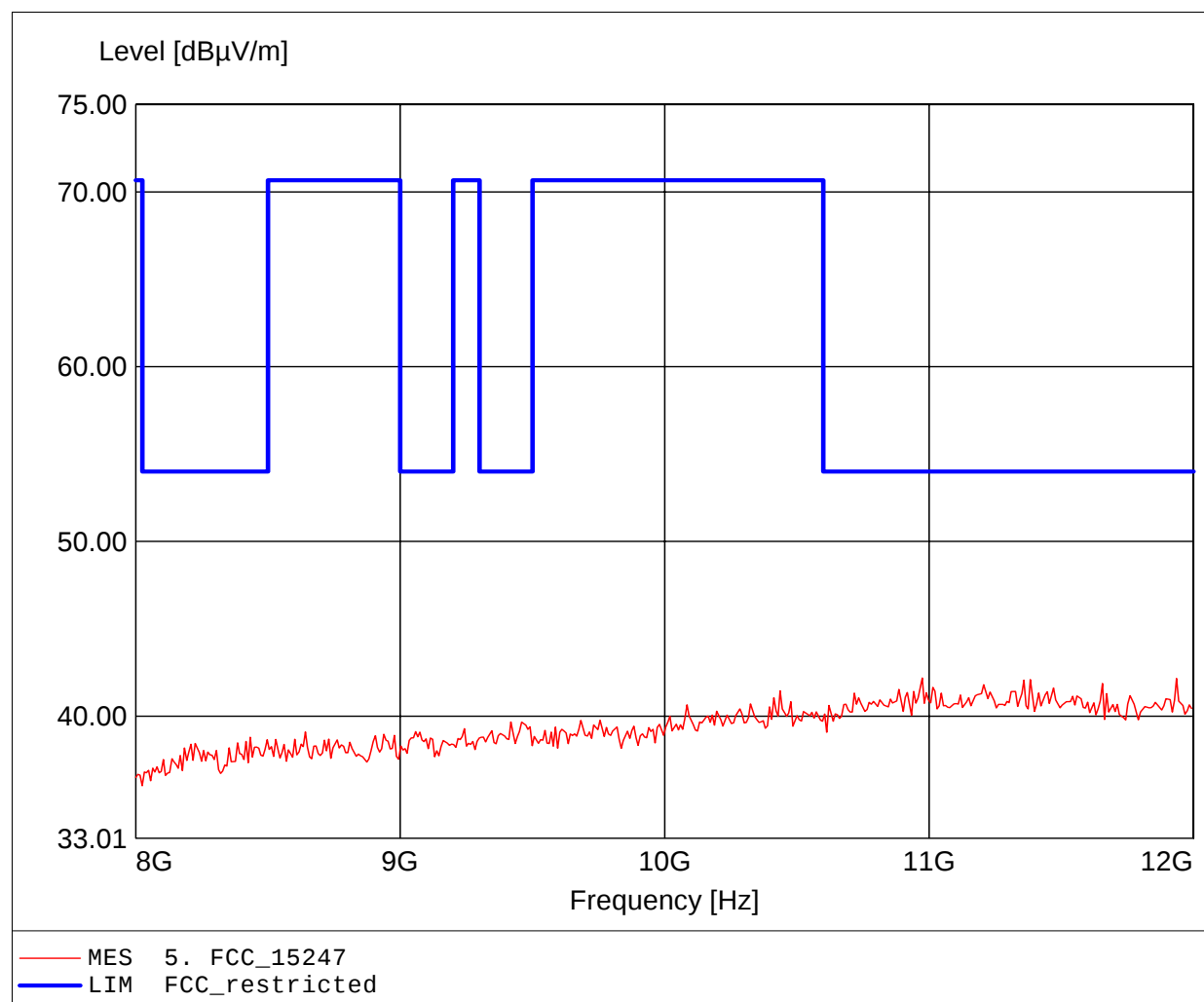
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.824GHz, Emax: 49.15dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

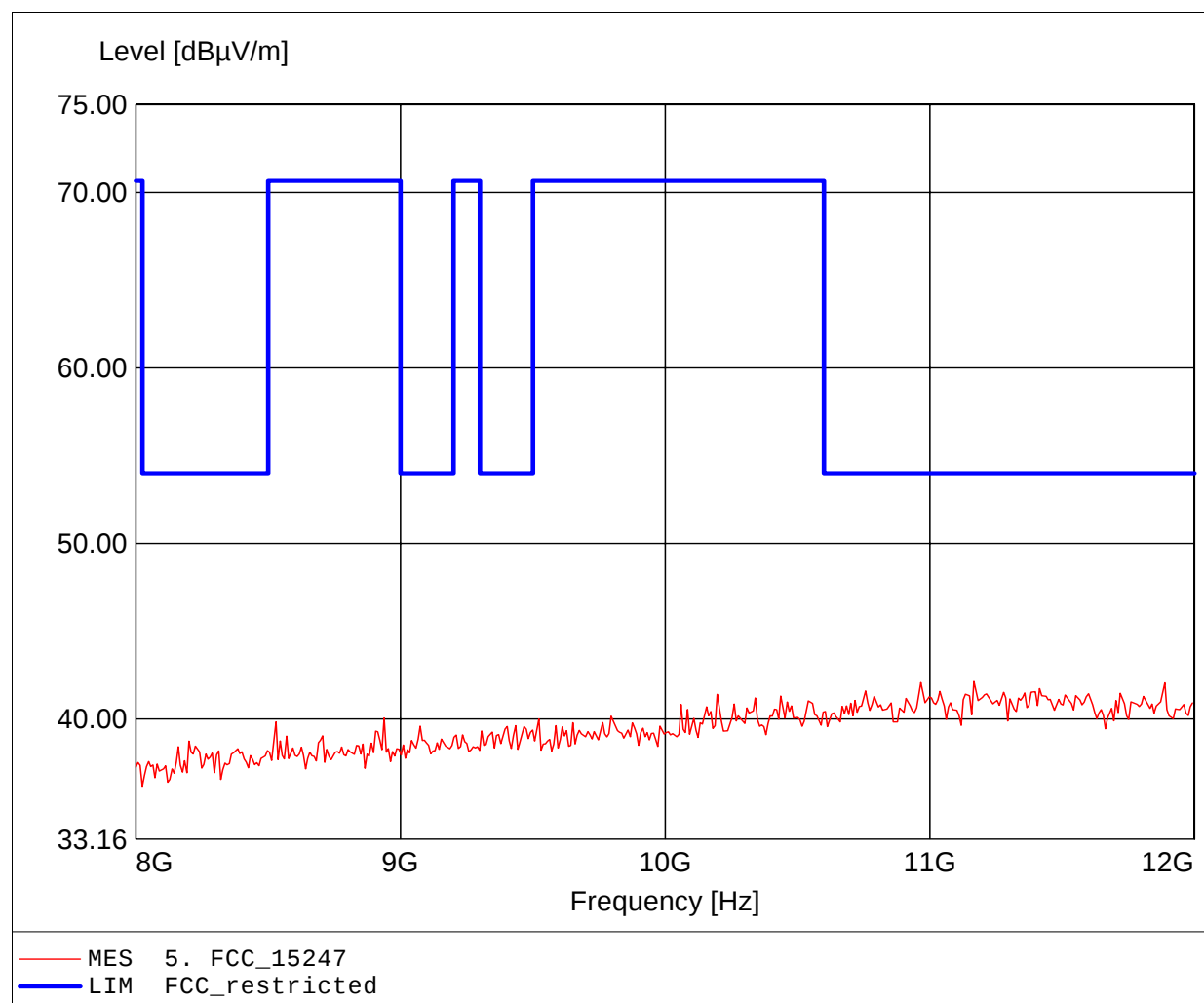
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.974GHz, Emax: 42.18dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

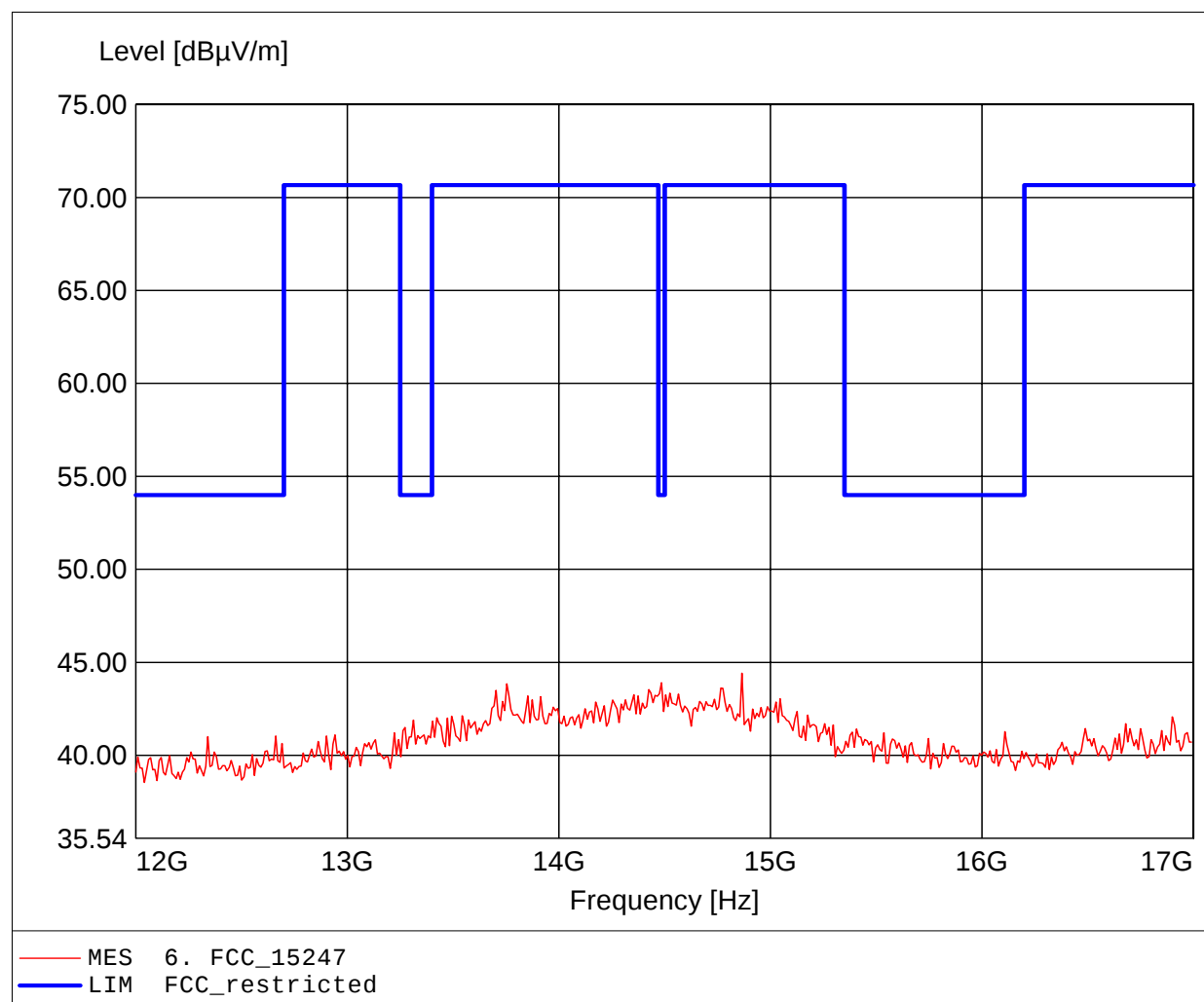
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.166GHz, Emax: 42.14dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

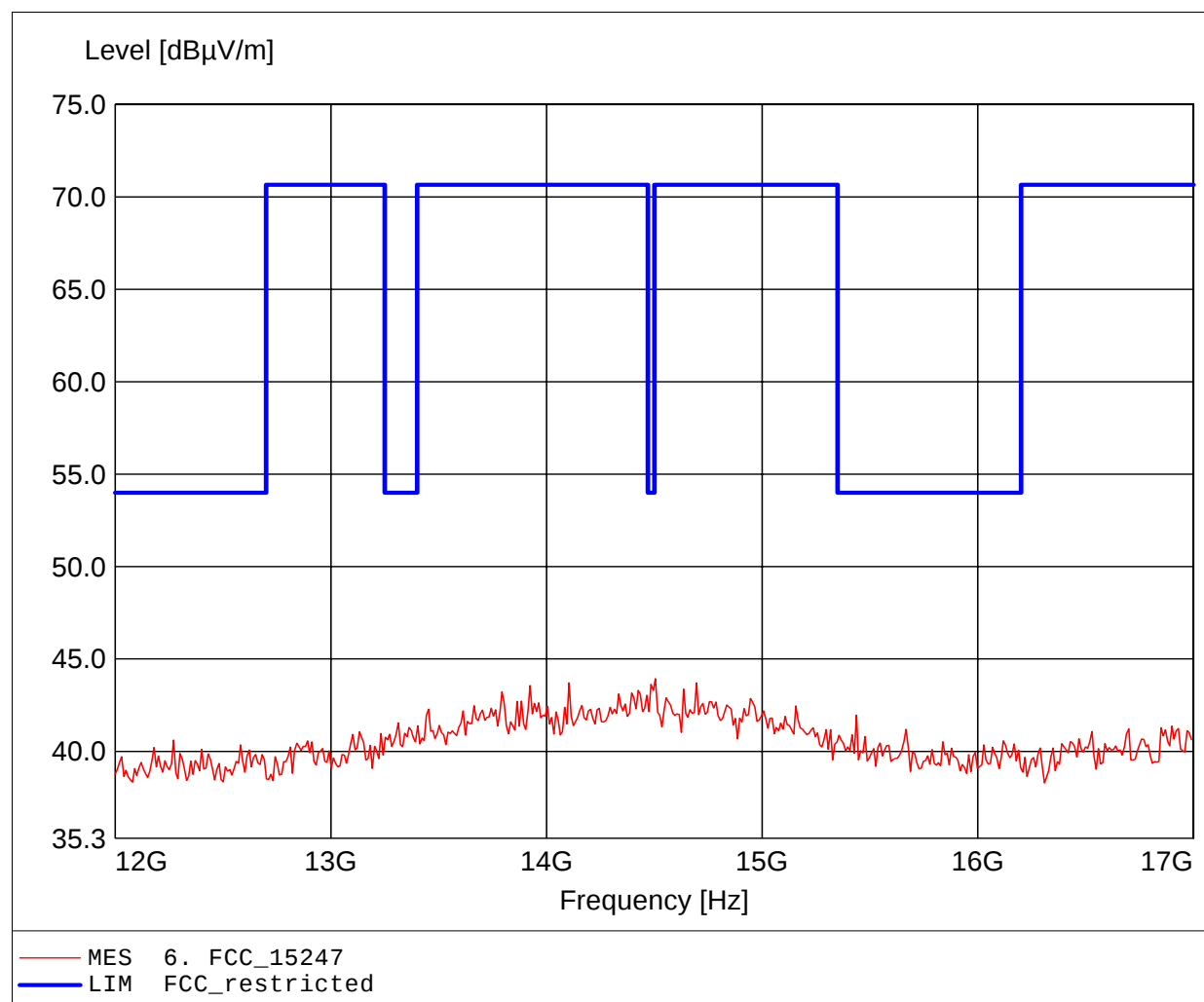
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.866GHz, Emax: 44.41dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

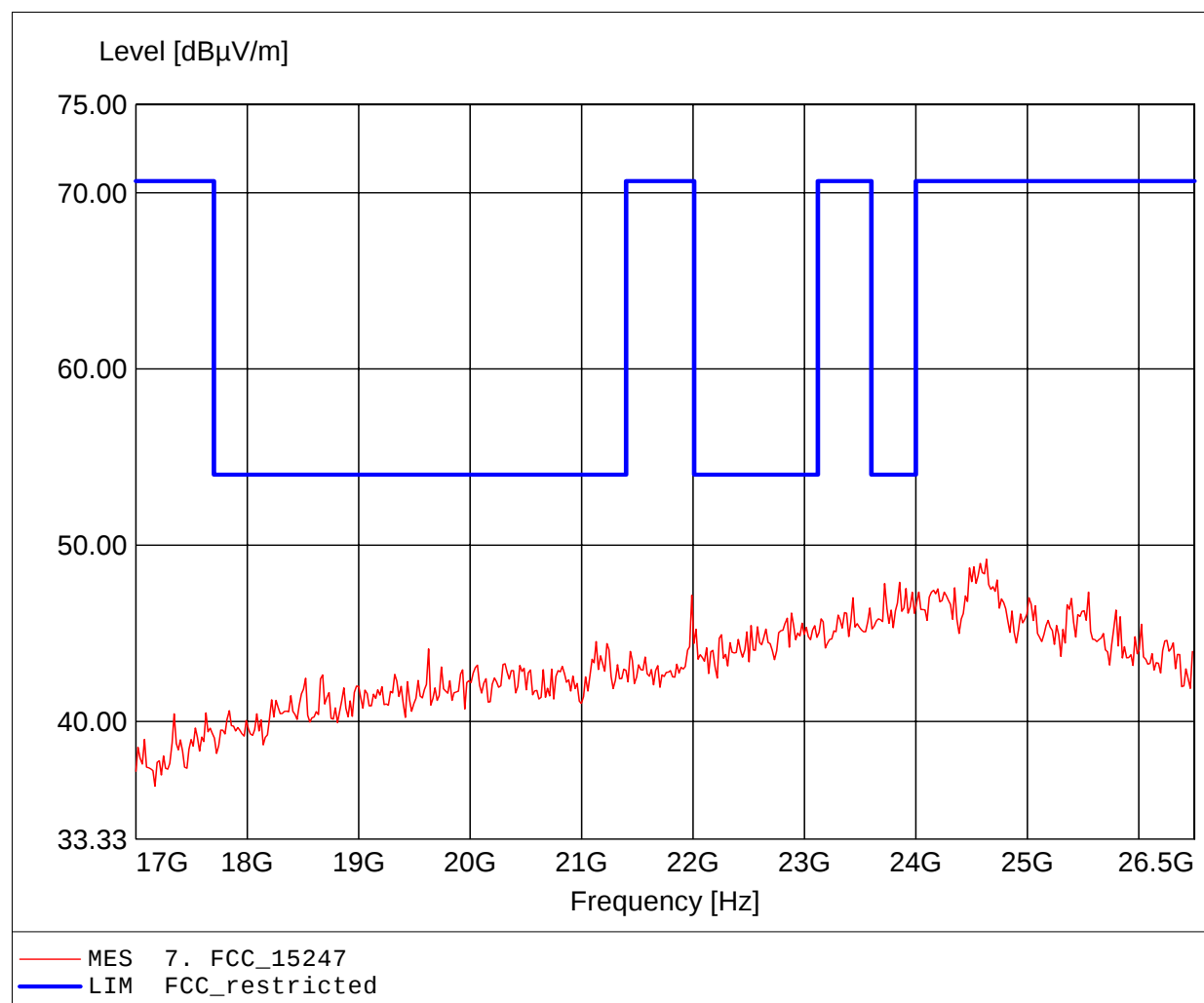
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.505GHz, Emax: 43.94dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

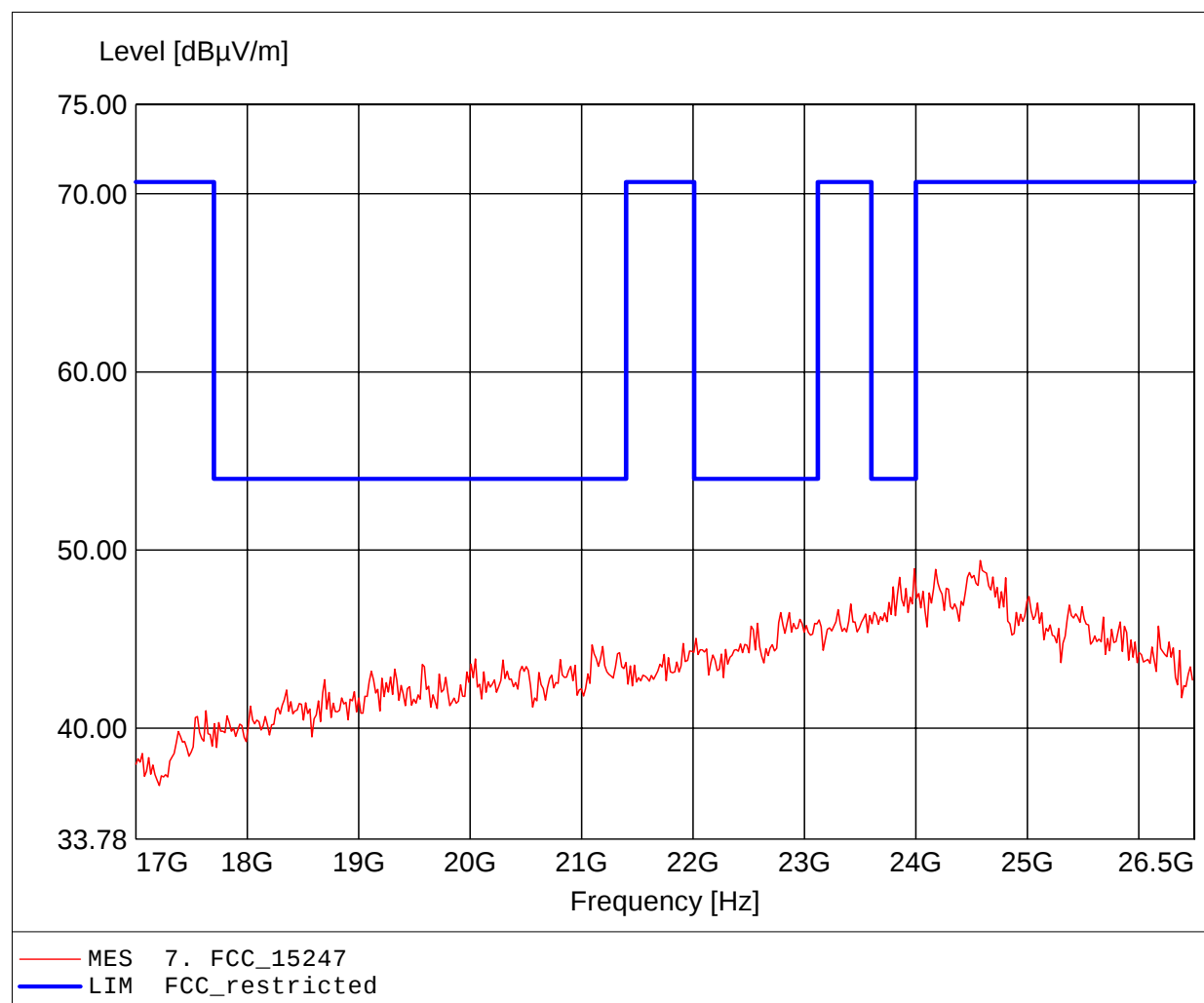
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.634GHz, Emax: 49.21dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

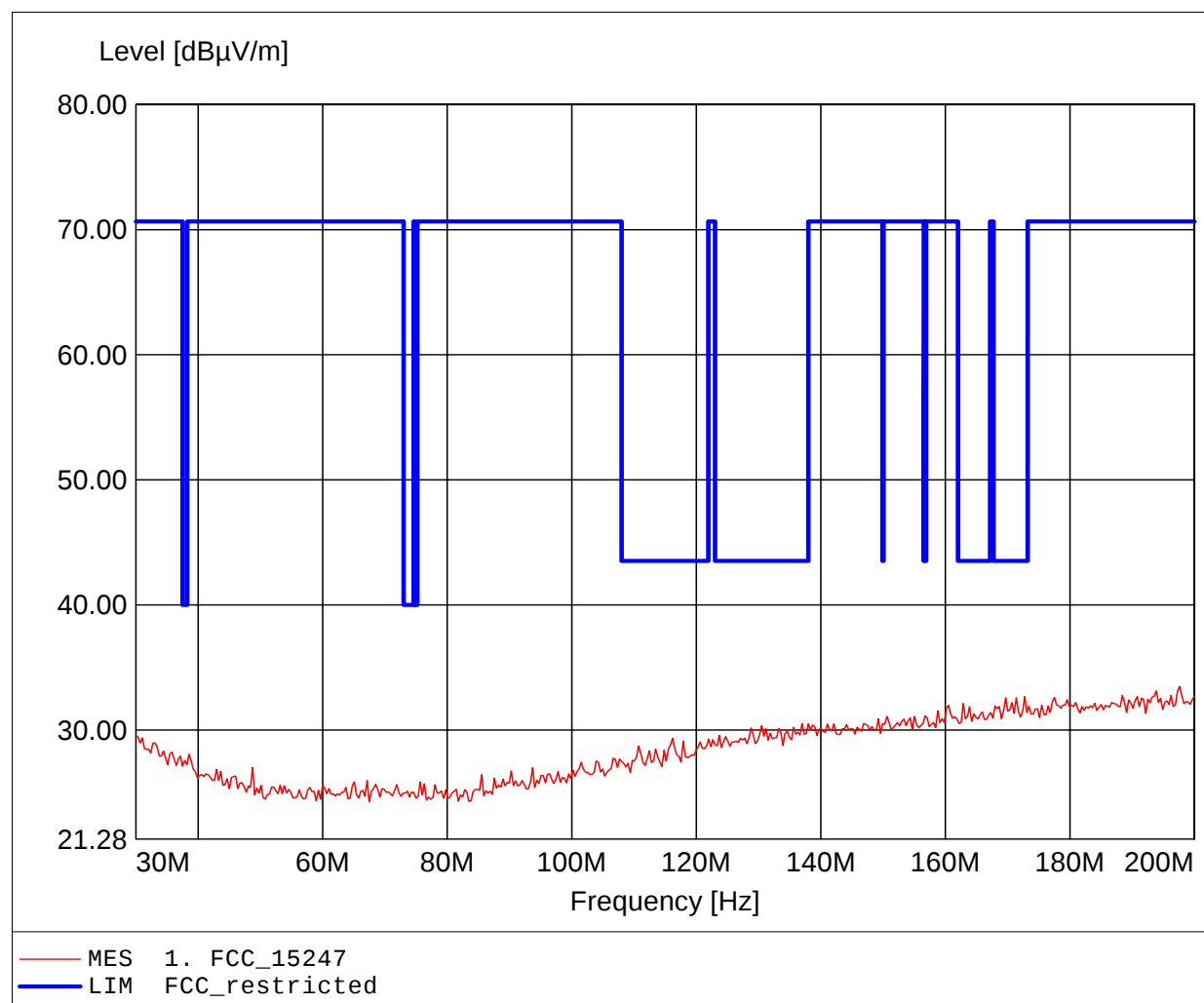
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2402 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.577GHz, Emax: 49.42dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

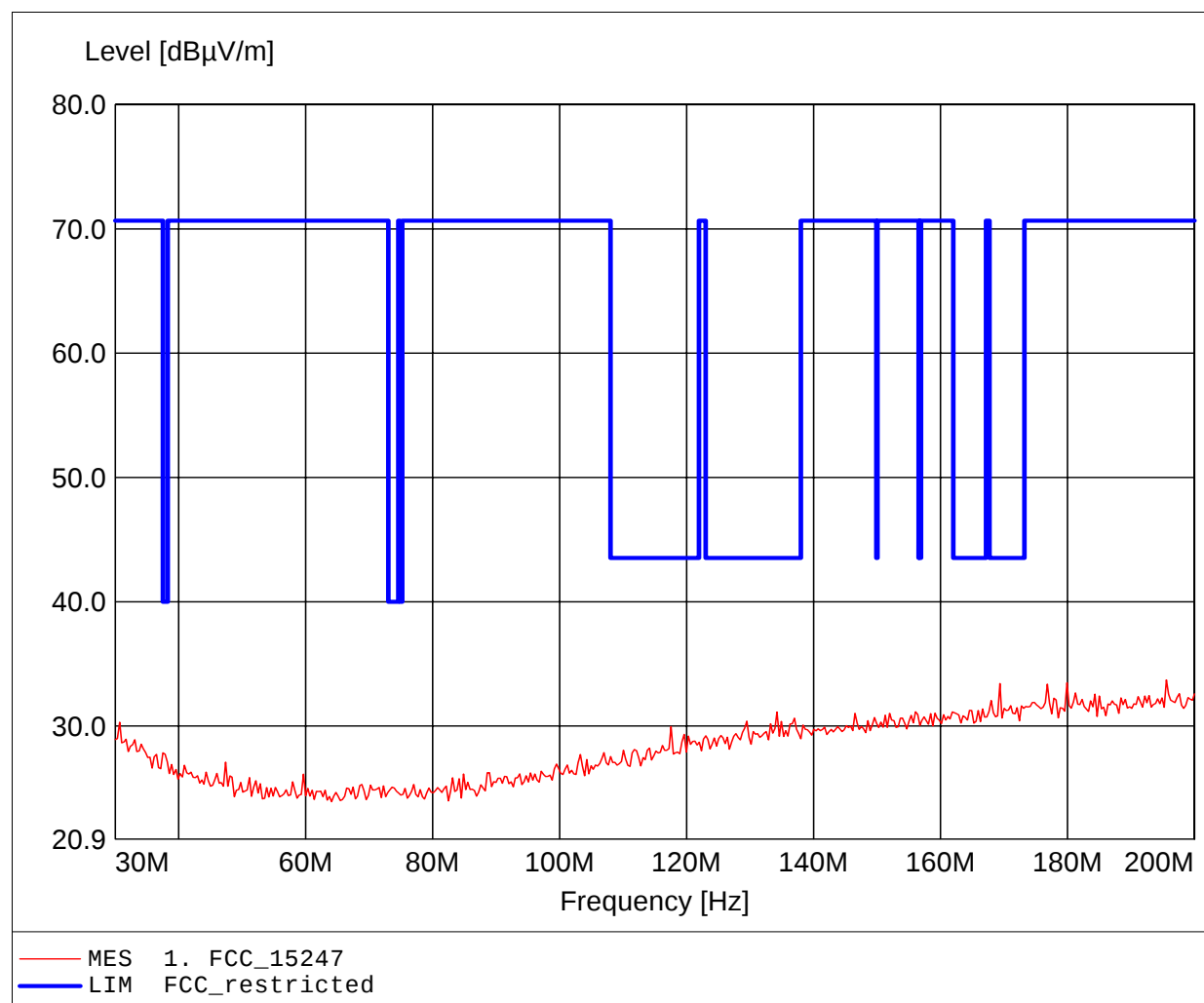
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.615MHz, Emax: 33.48dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

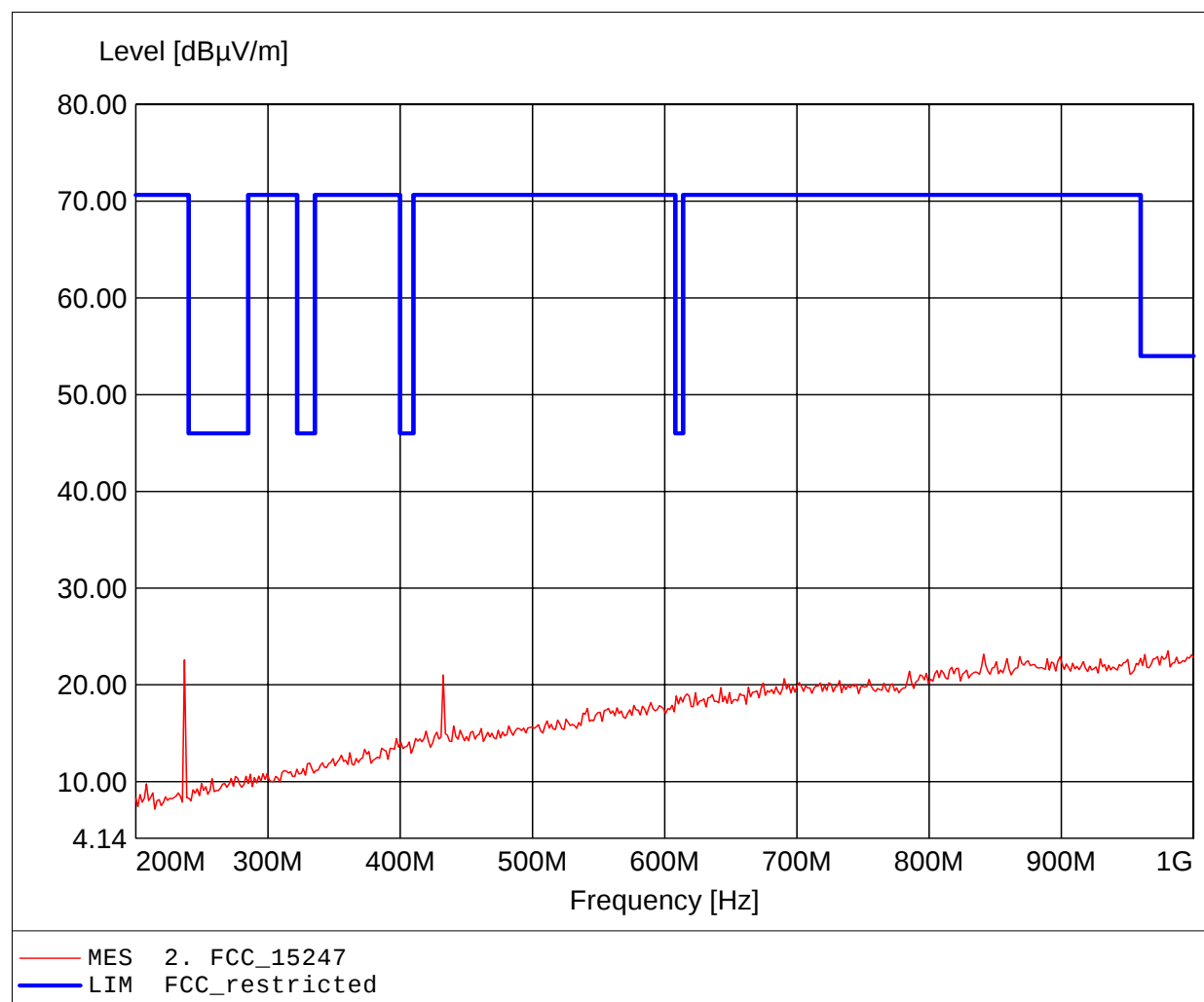
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.571MHz, Emax: 33.72dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

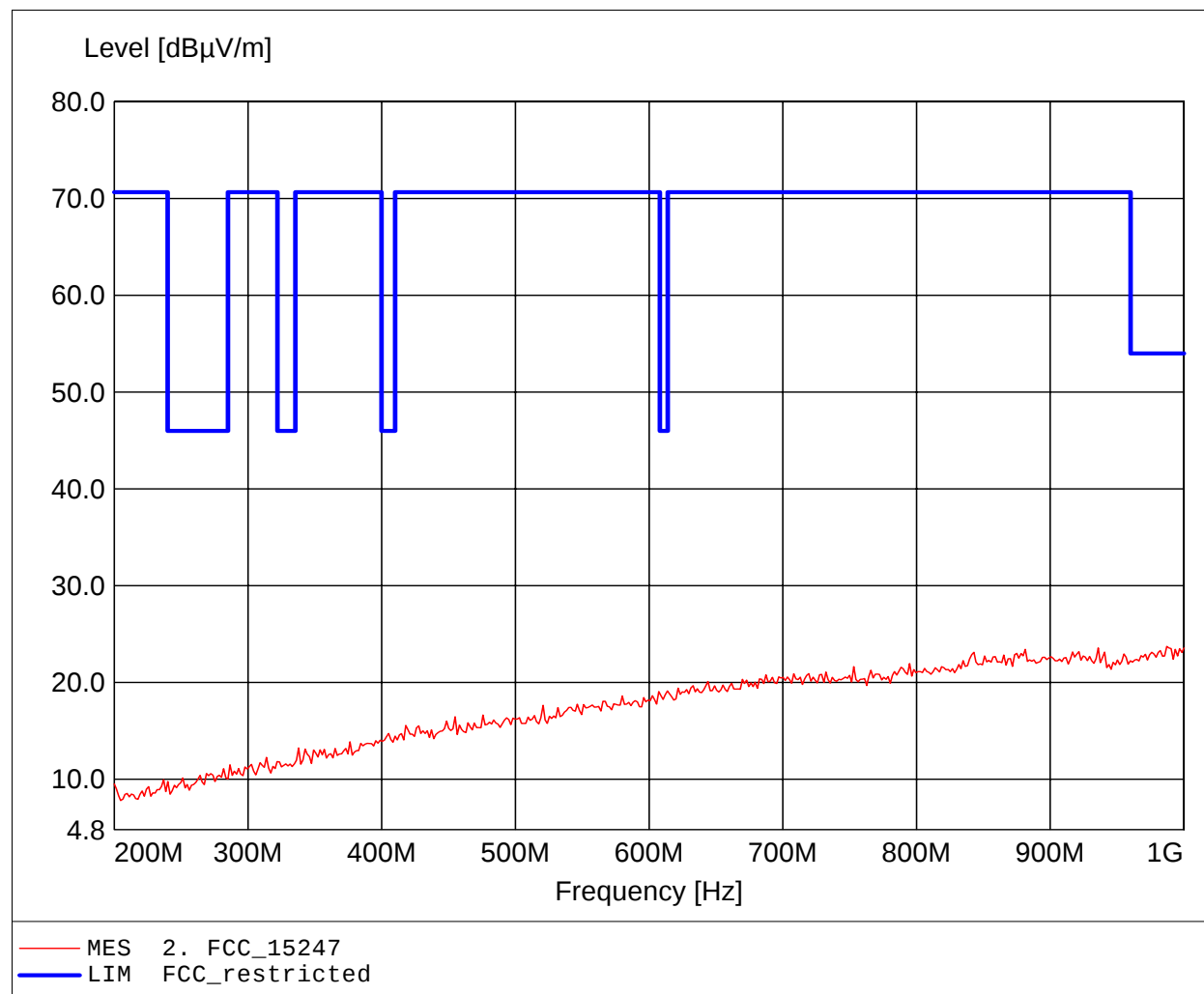
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 980.762MHz, Emax: 23.51dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

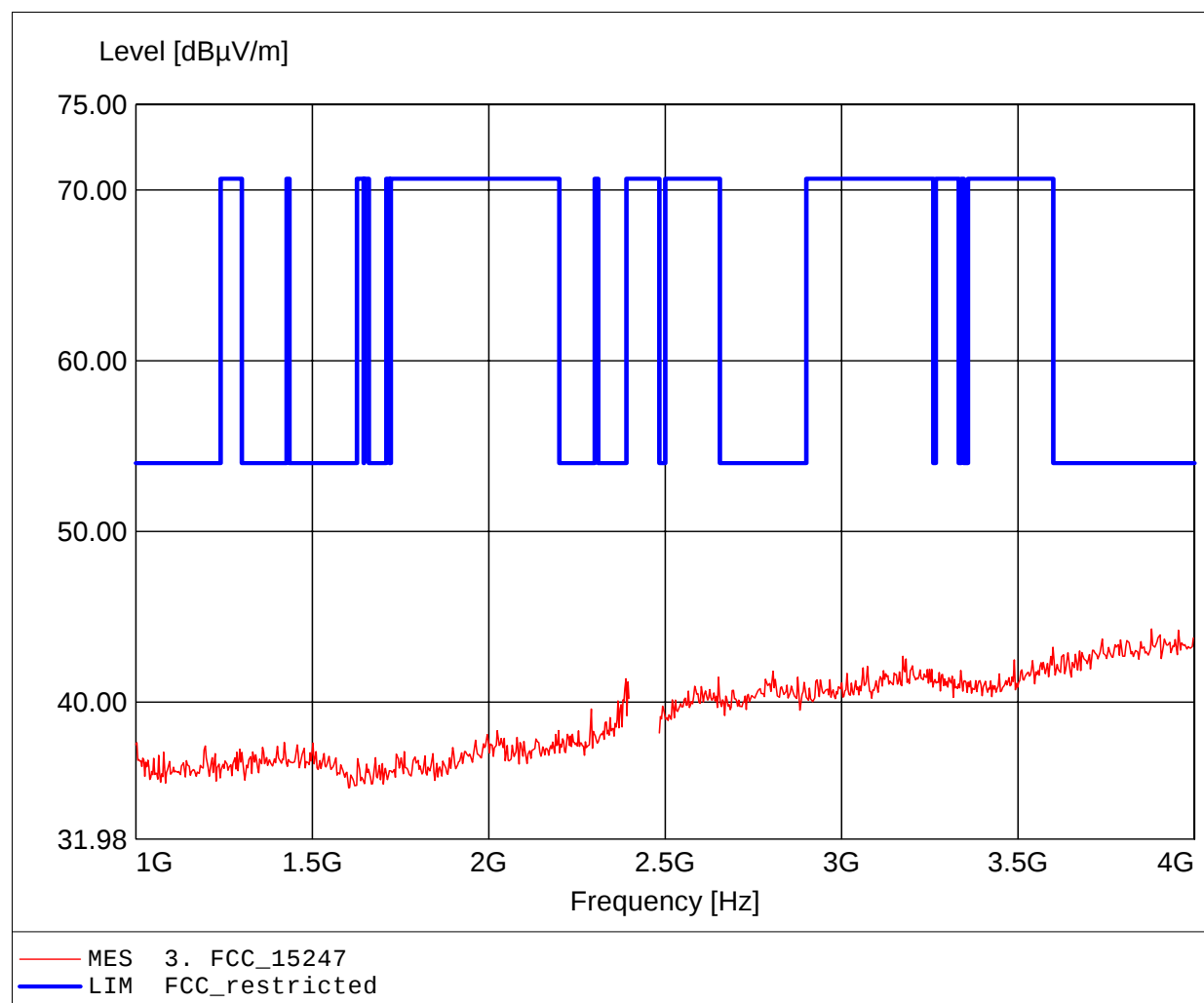
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 987.174MHz, Emax: 23.73dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

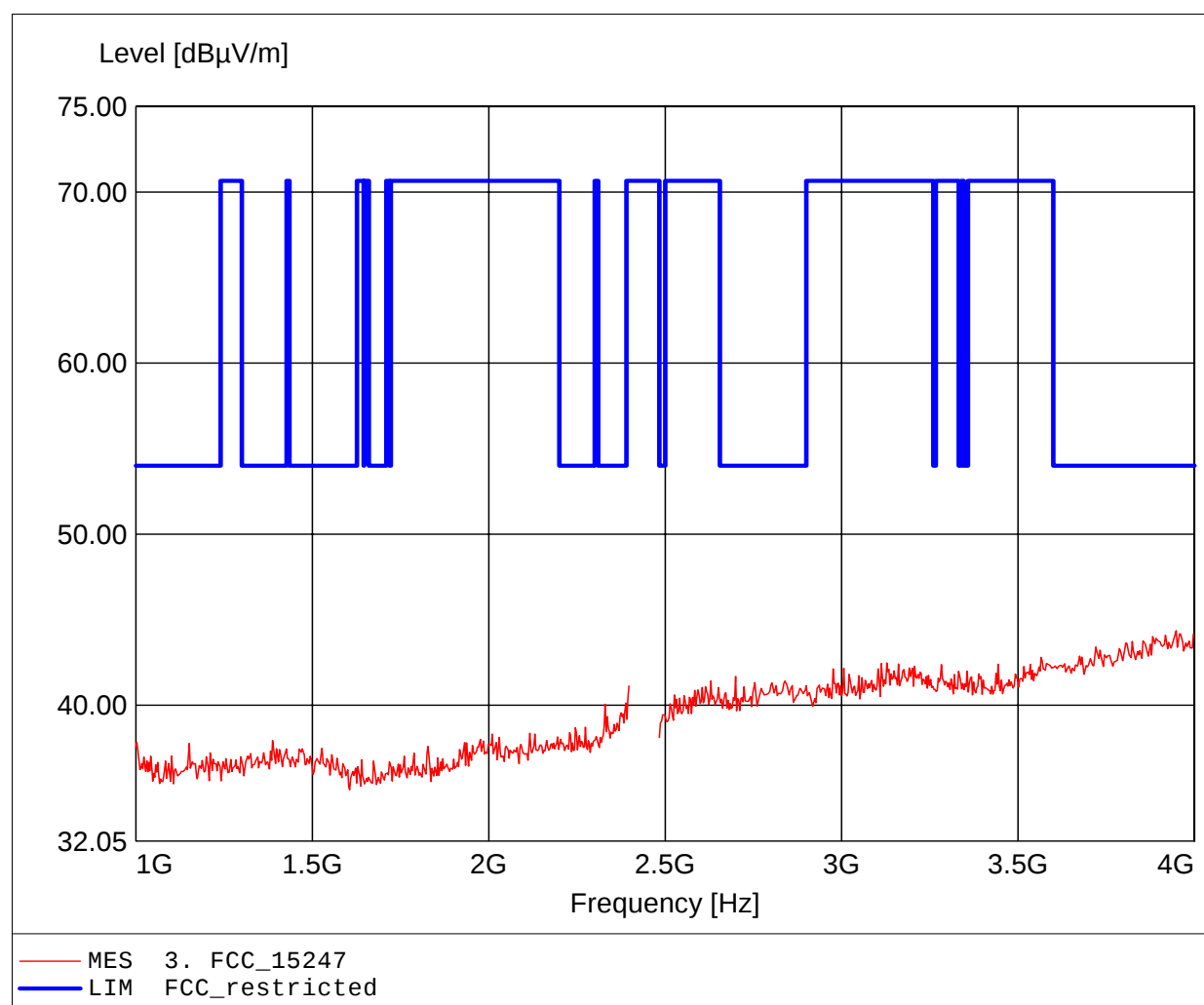
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.878GHz, Emax: 44.29dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

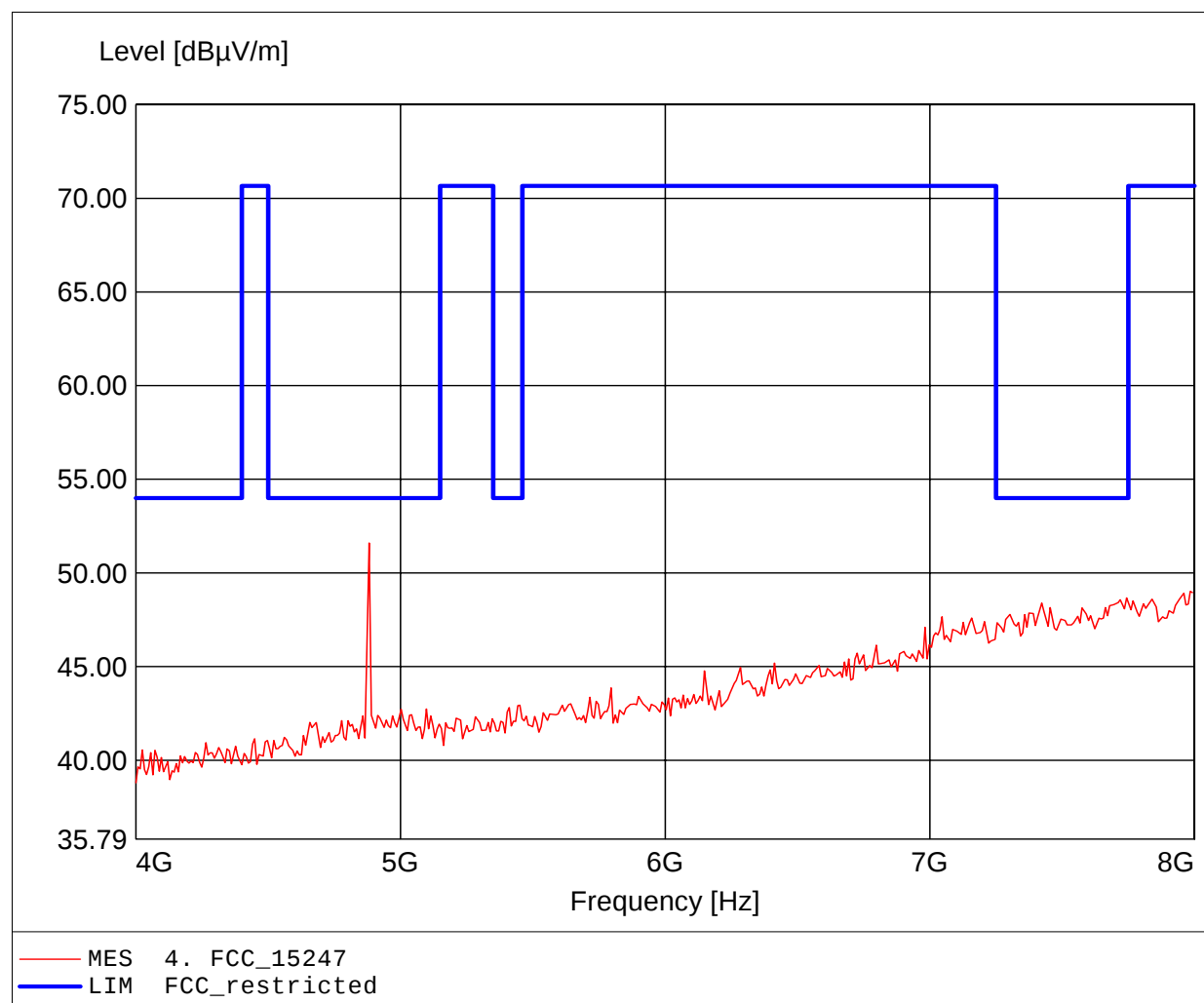
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.948GHz, Emax: 44.36dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

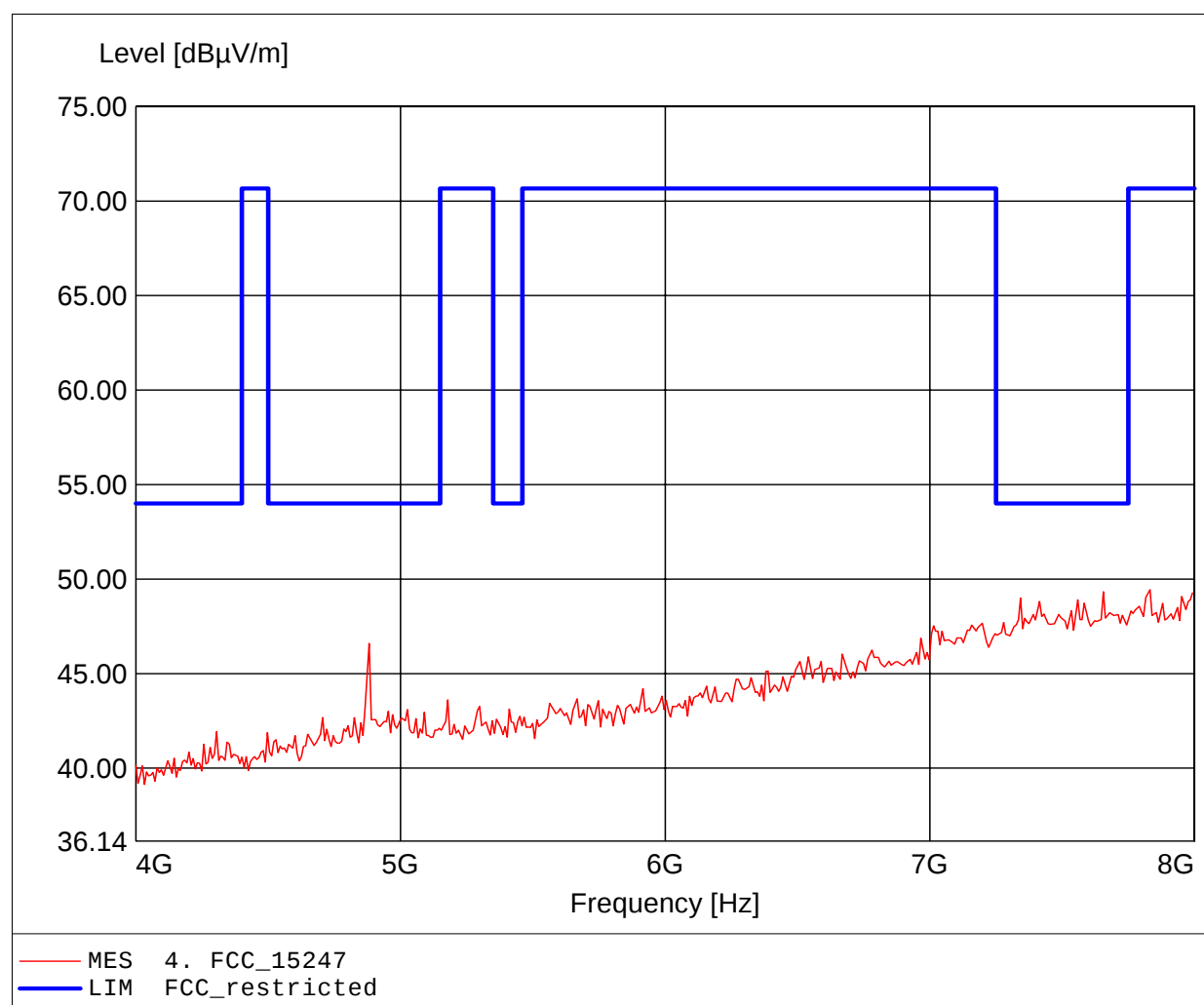
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 51.60dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

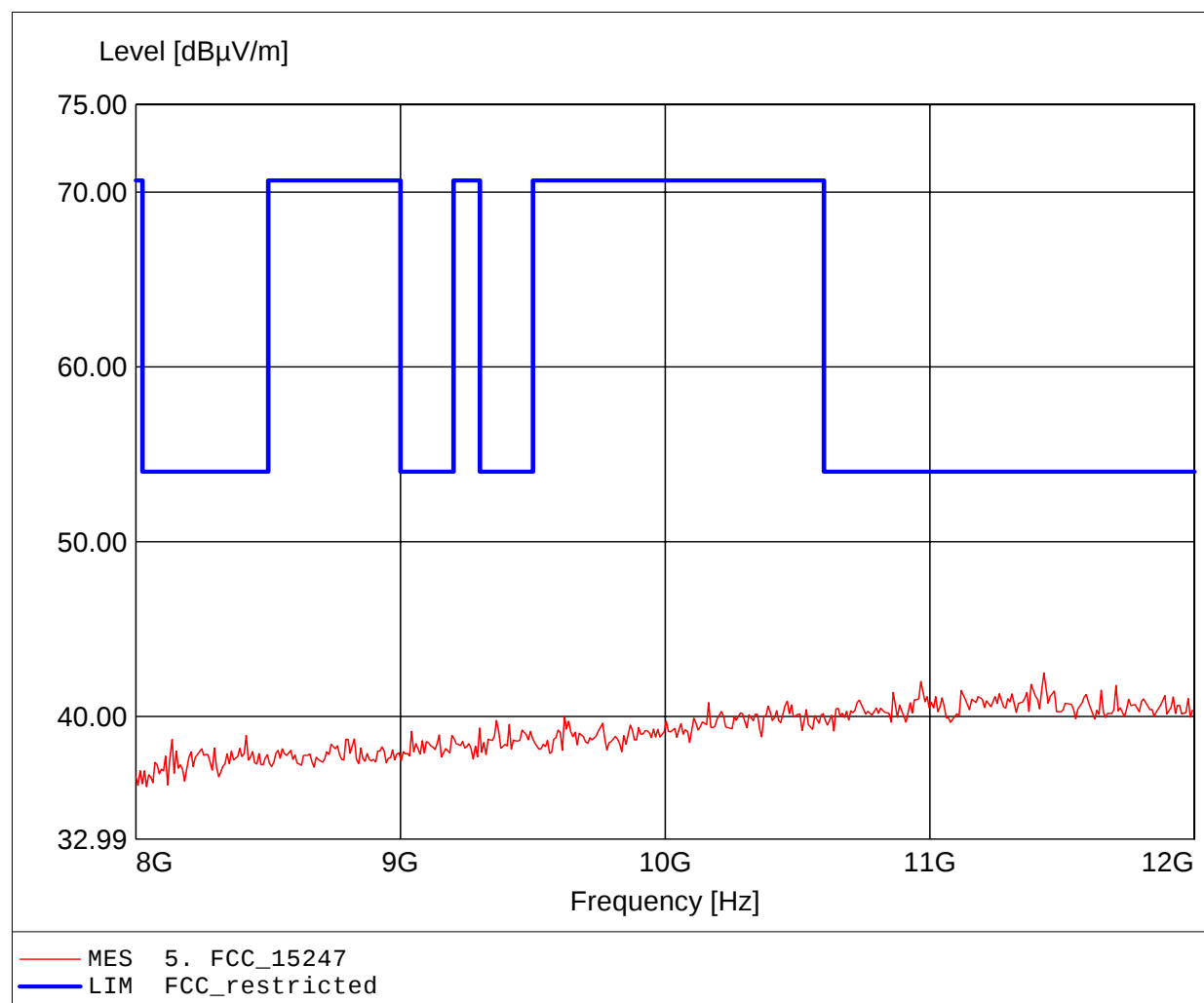
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.832GHz, Emax: 49.43dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

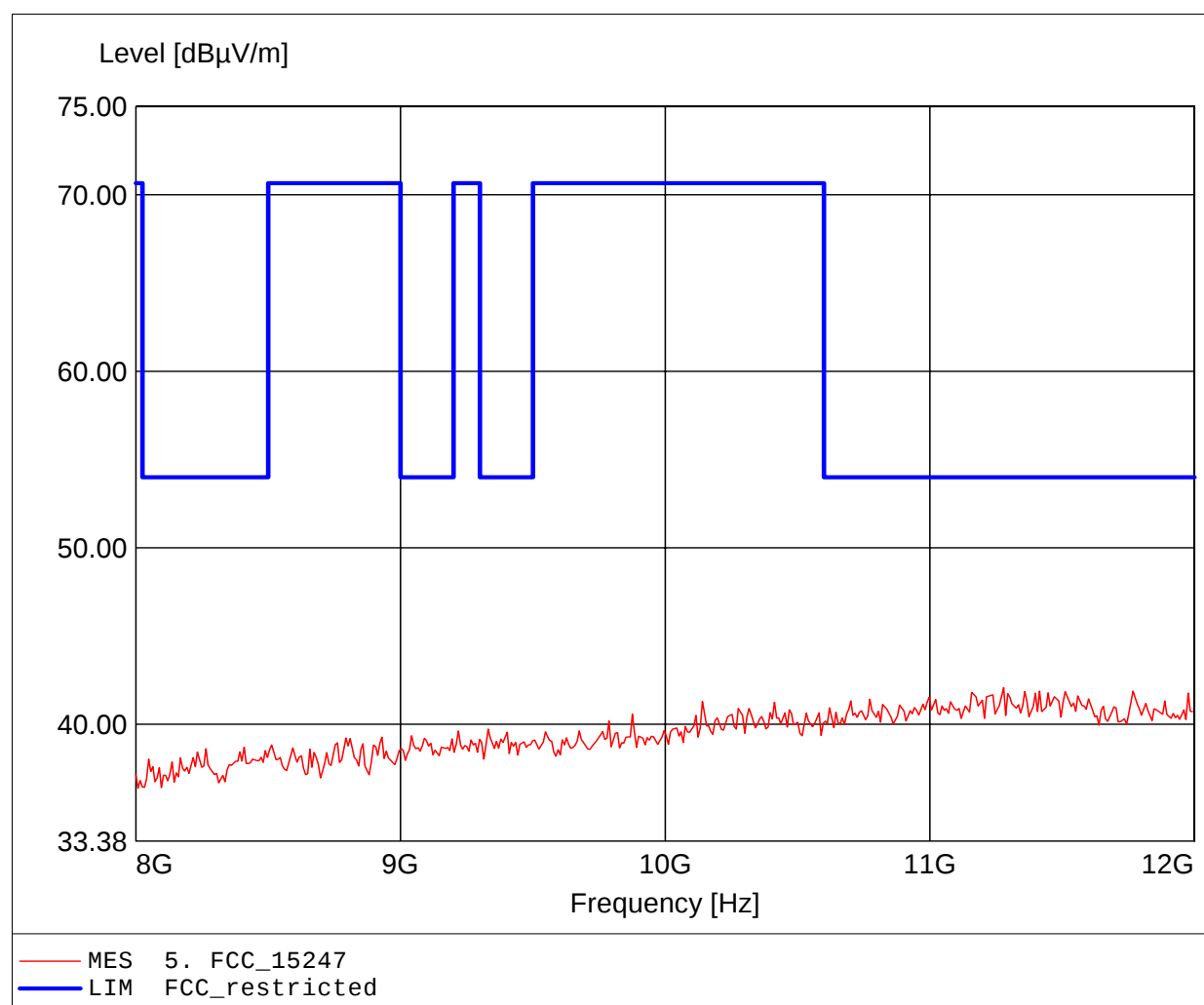
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.431GHz, Emax: 42.50dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

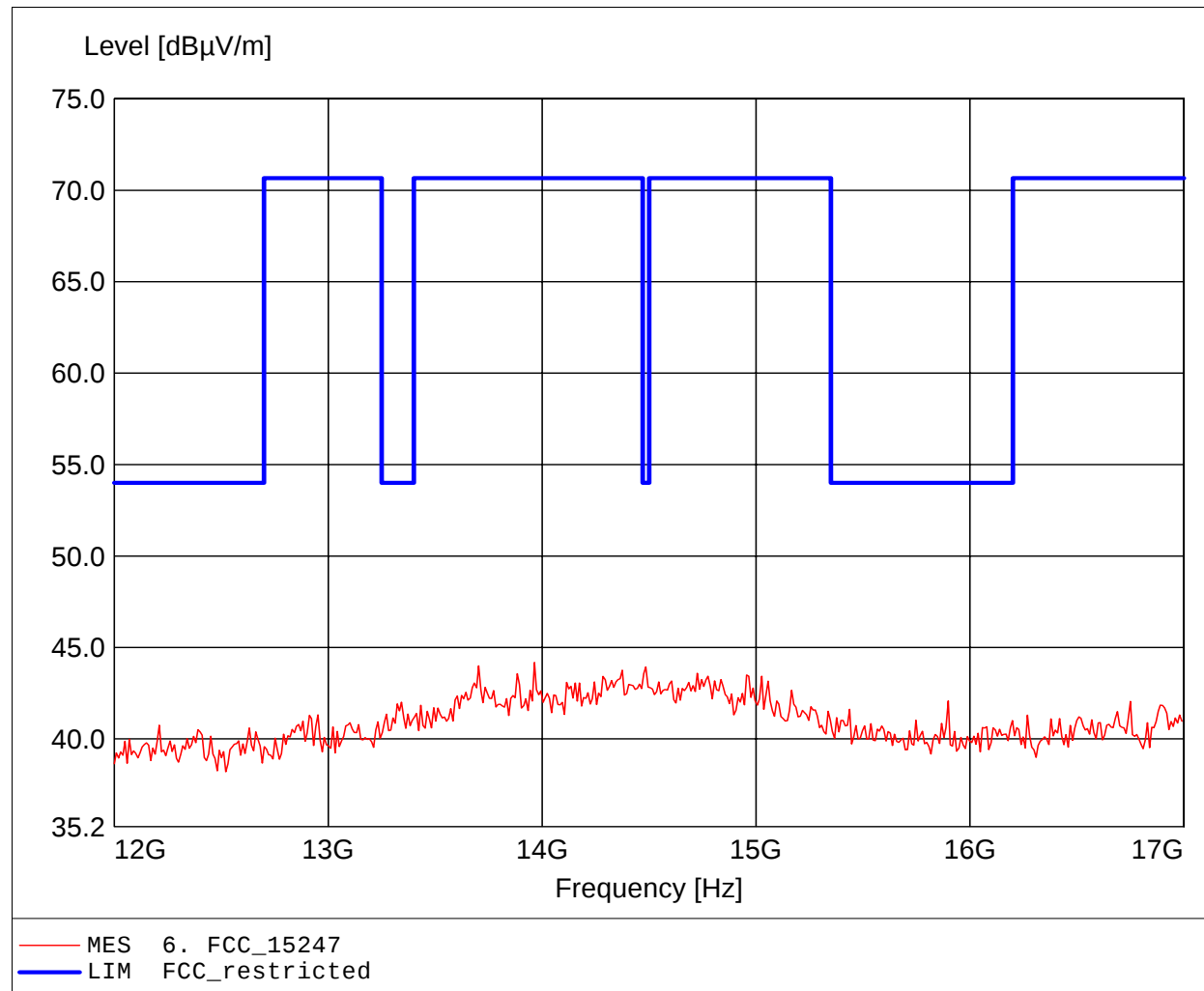
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.279GHz, Emax: 42.08dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

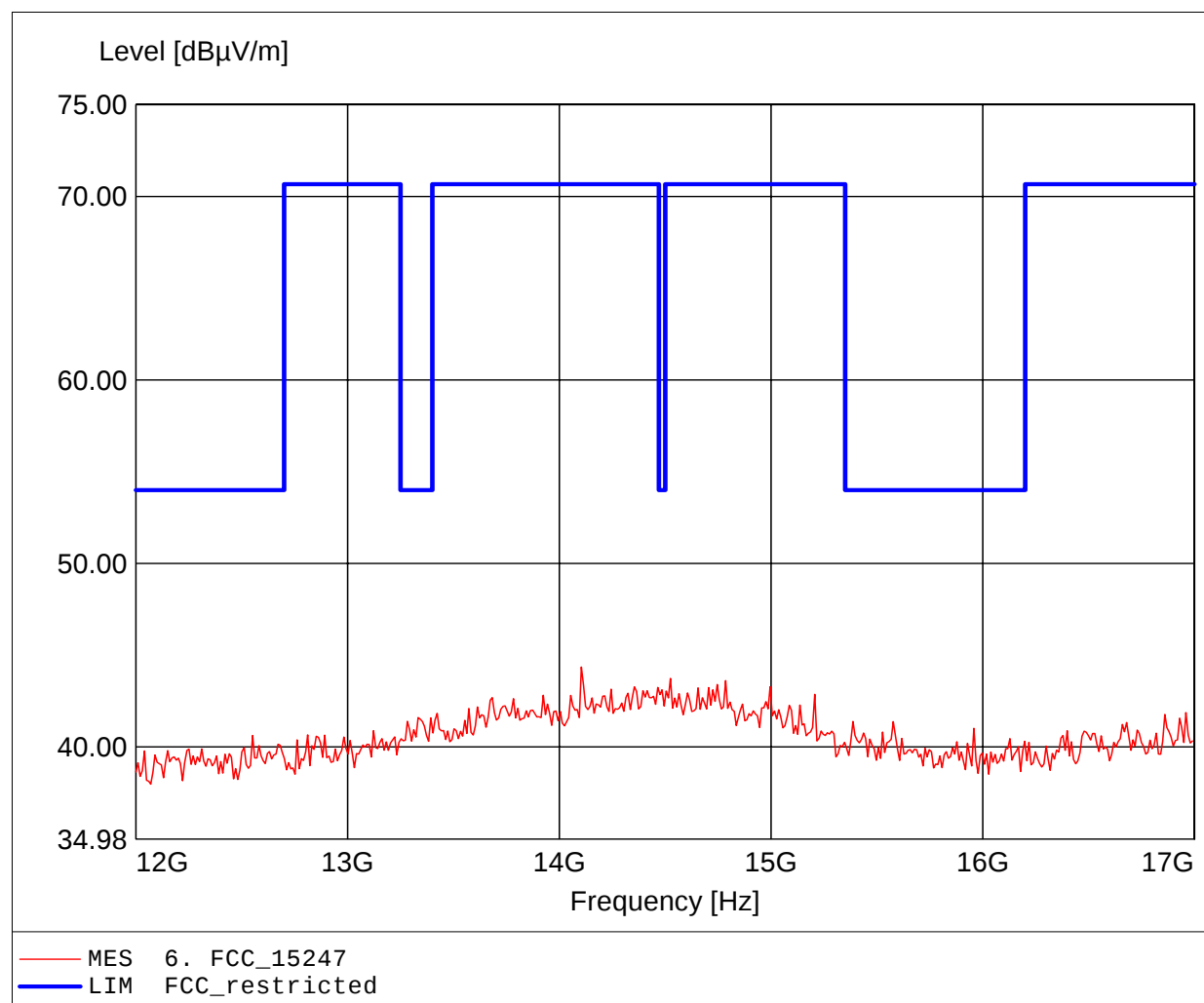
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 13.964GHz, Emax: 44.18dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

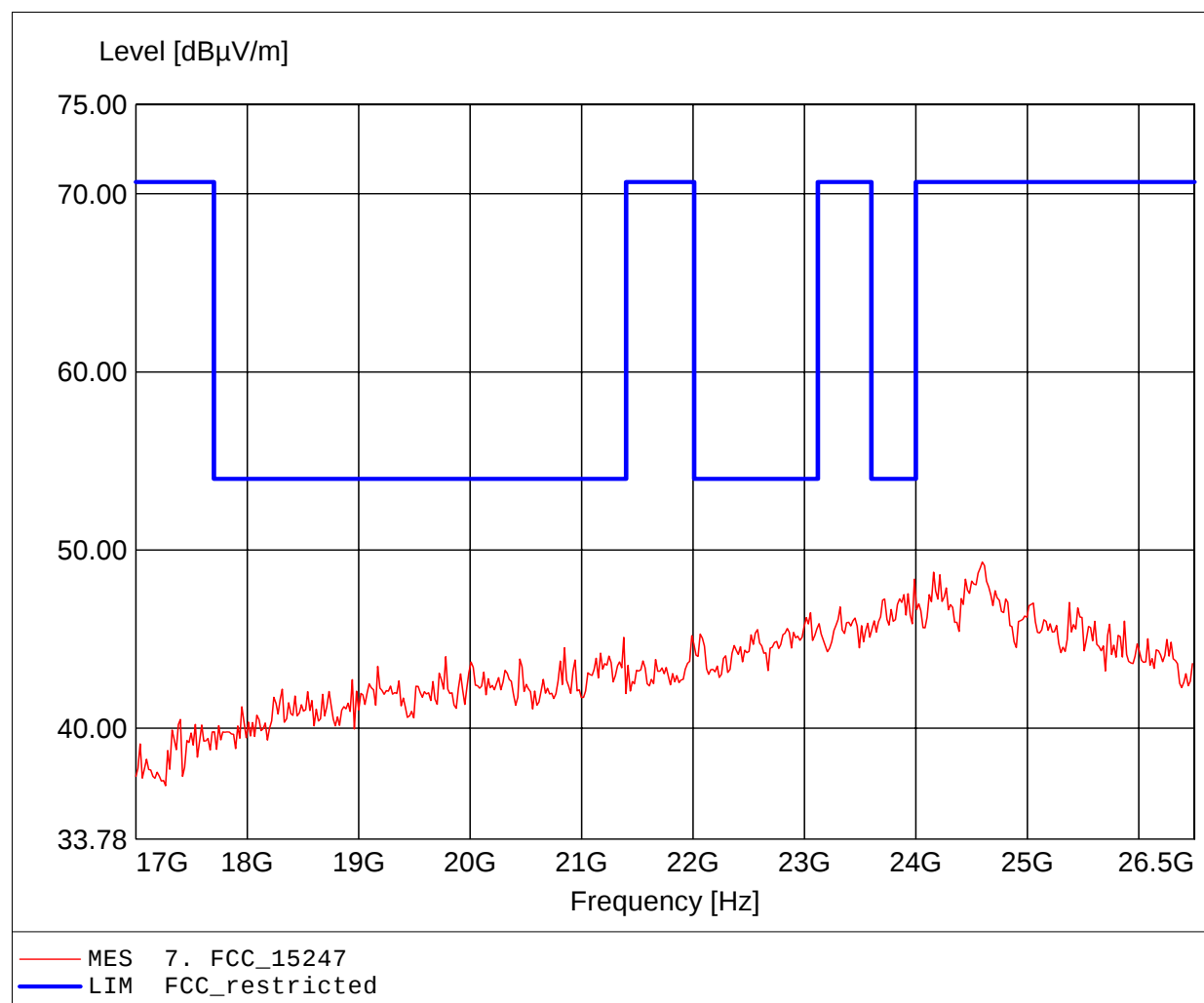
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.104GHz, Emax: 44.35dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

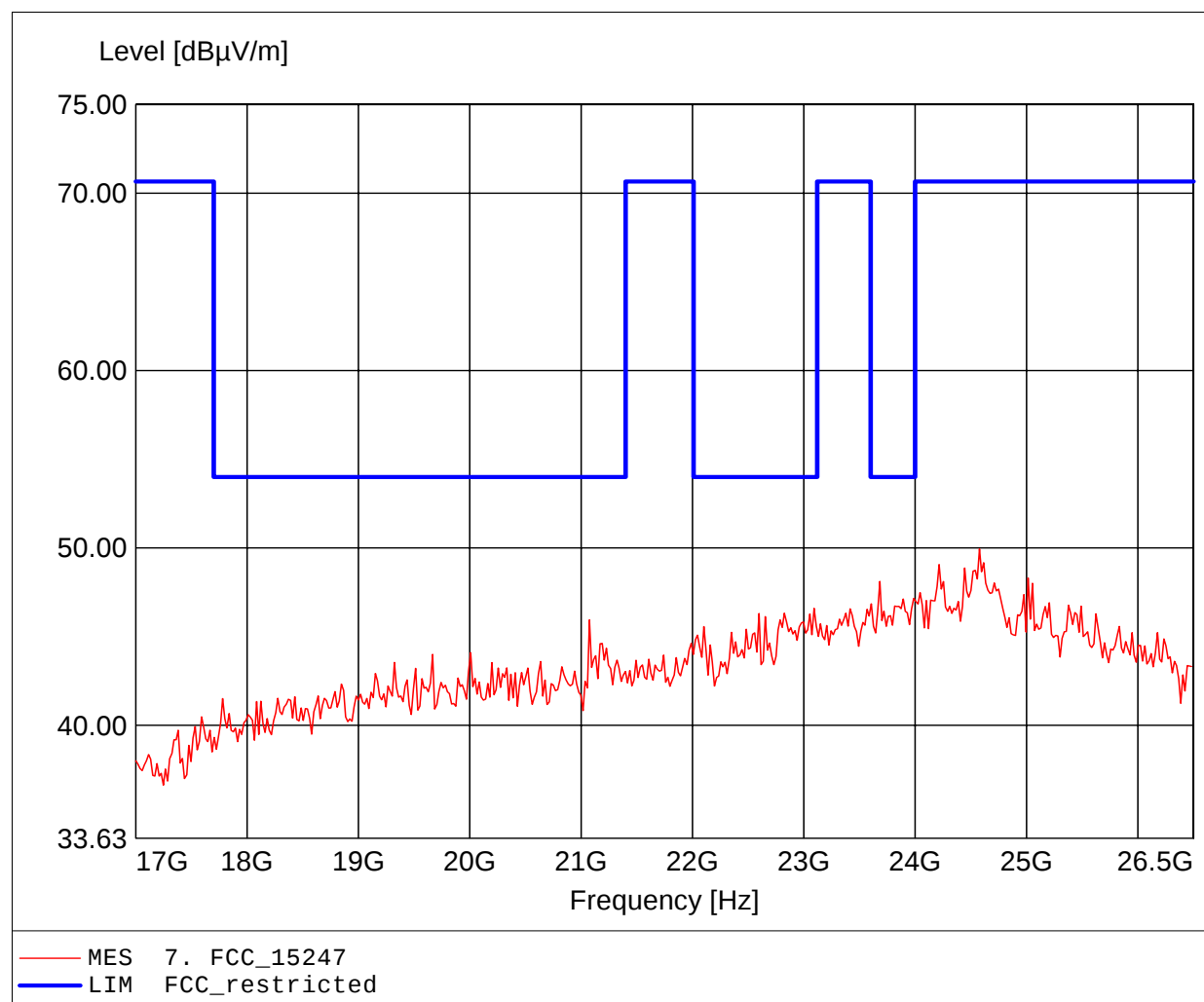
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.596GHz, Emax: 49.33dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

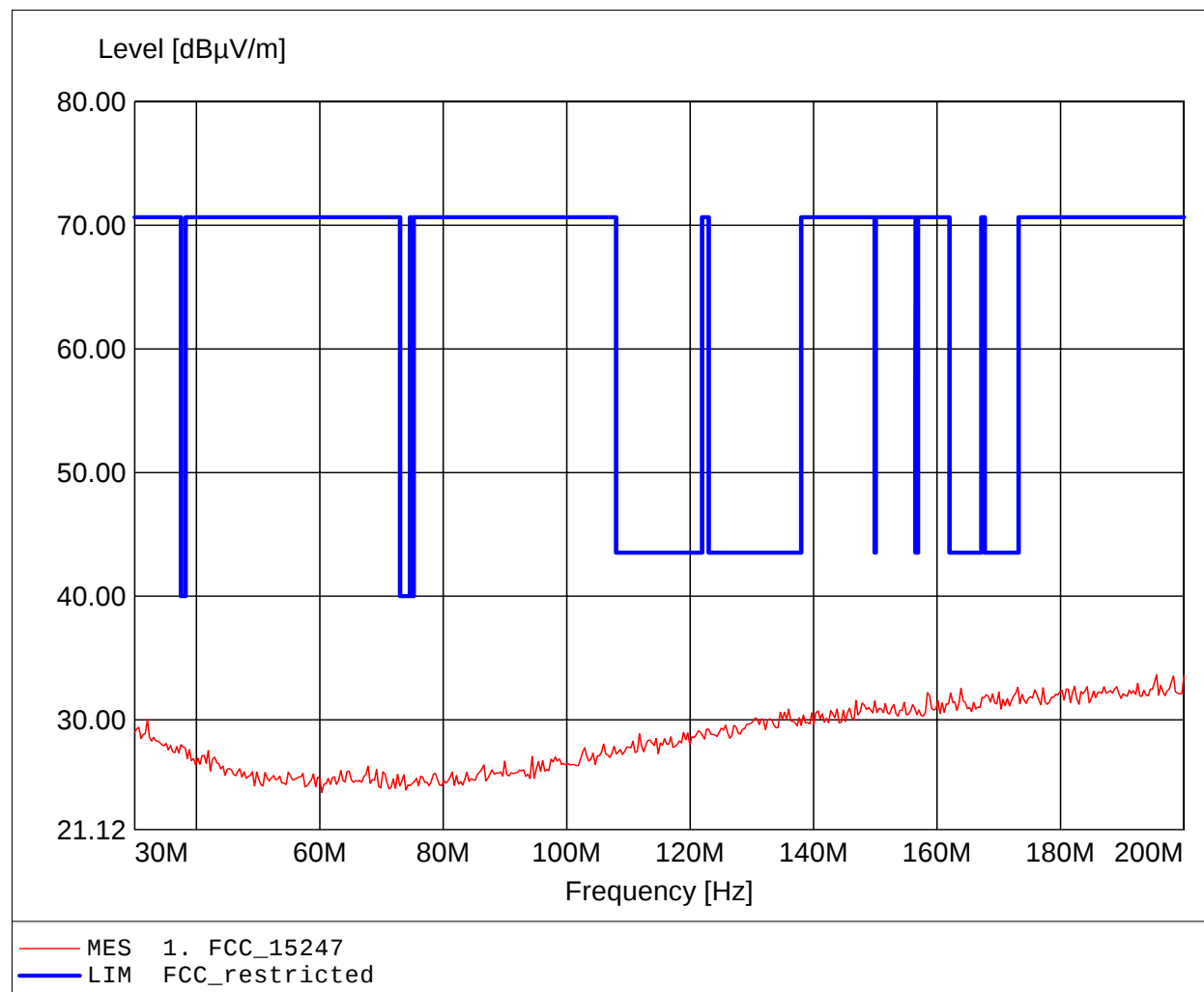
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2441 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.577GHz, Emax: 49.95dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

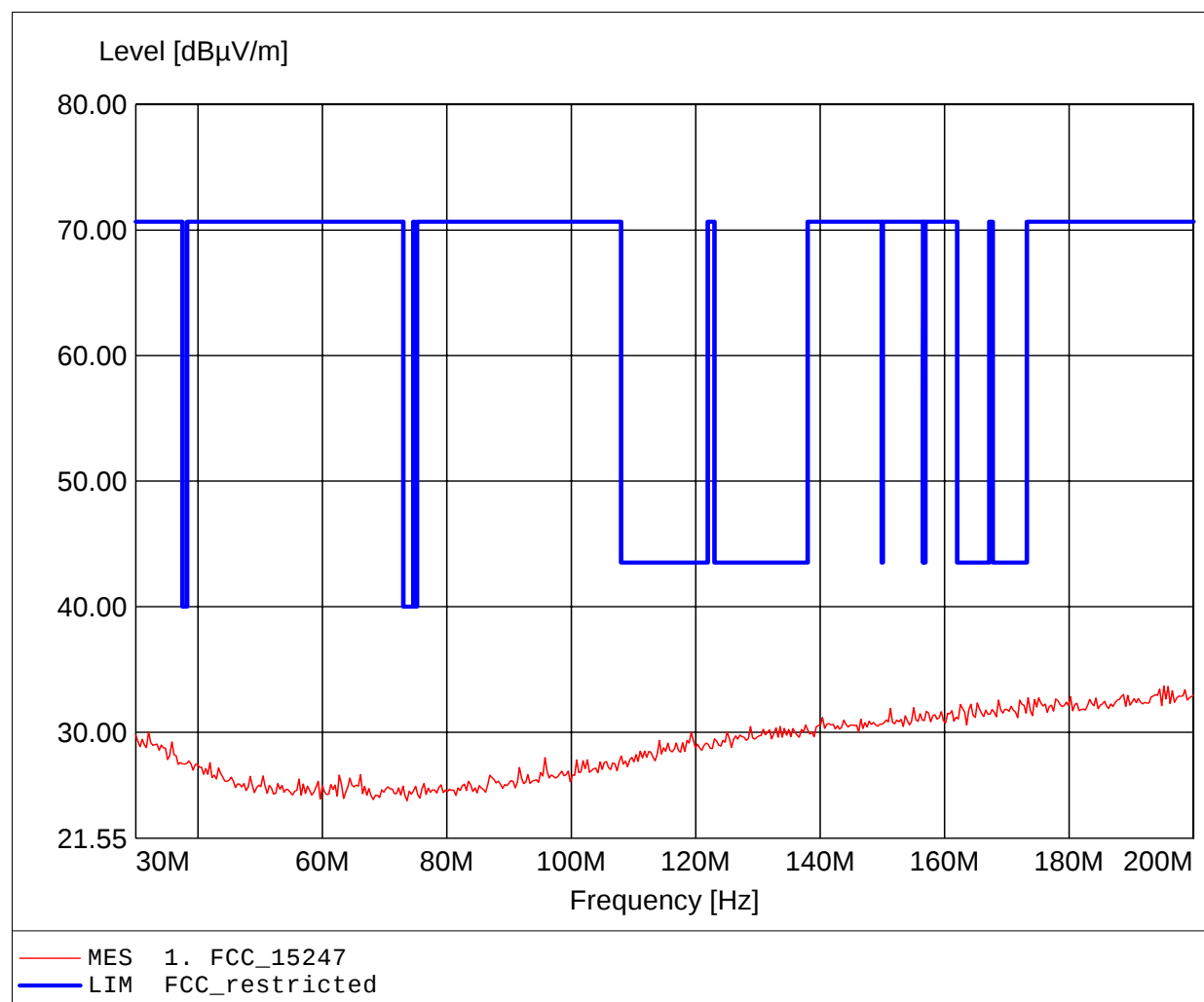
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.571MHz, Emax: 33.64dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

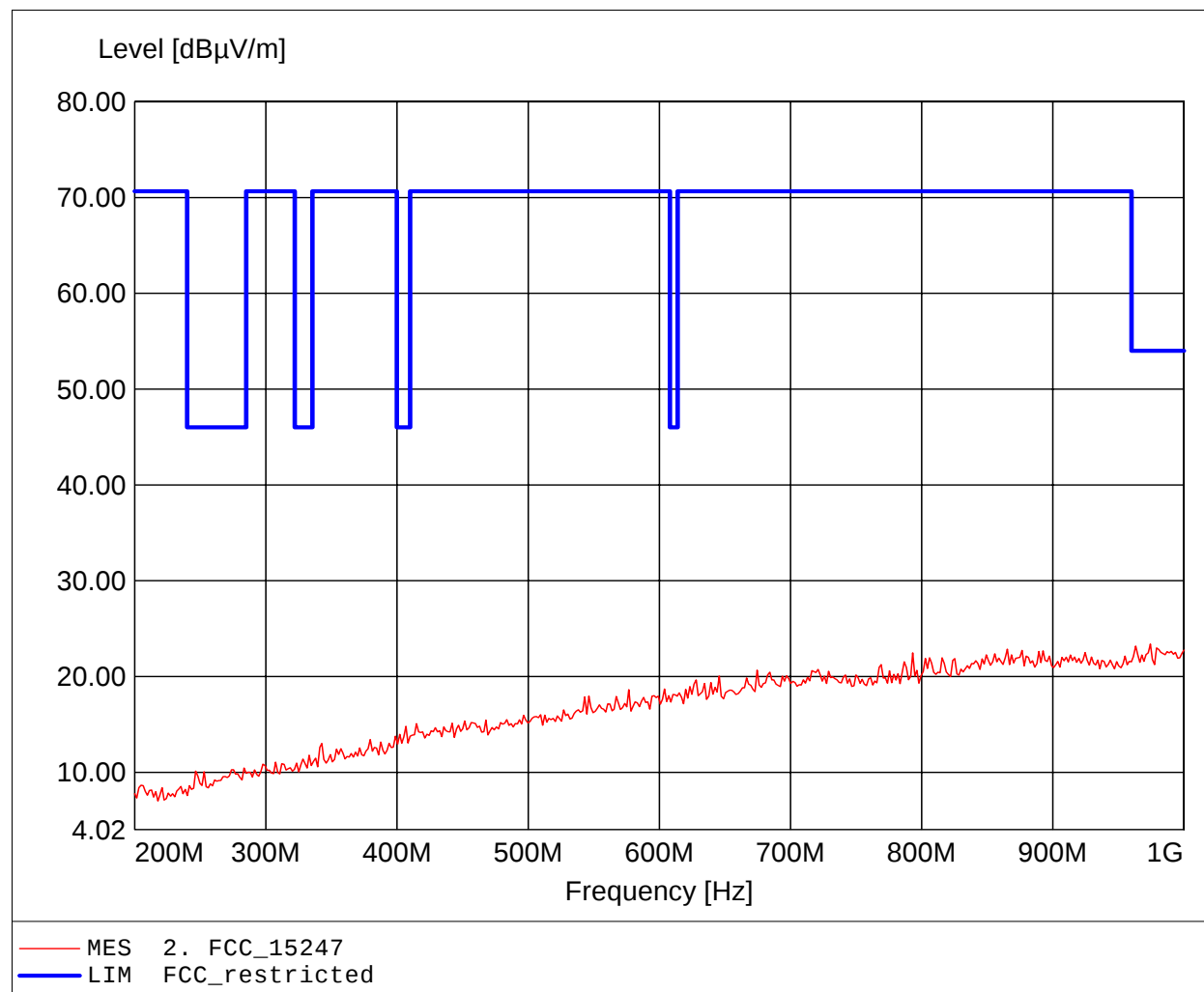
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.230MHz, Emax: 33.67dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

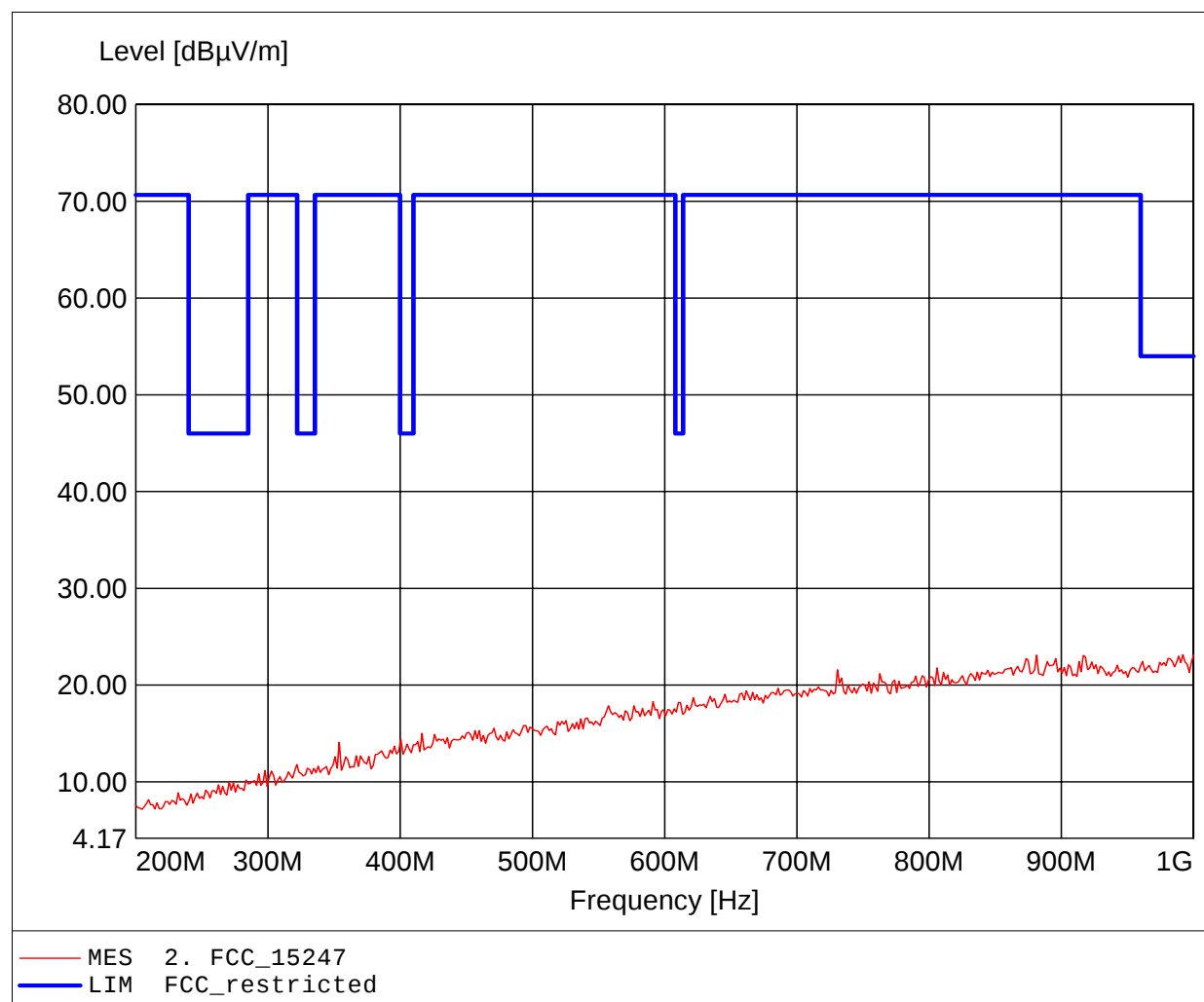
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 974.349MHz, Emax: 23.39dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

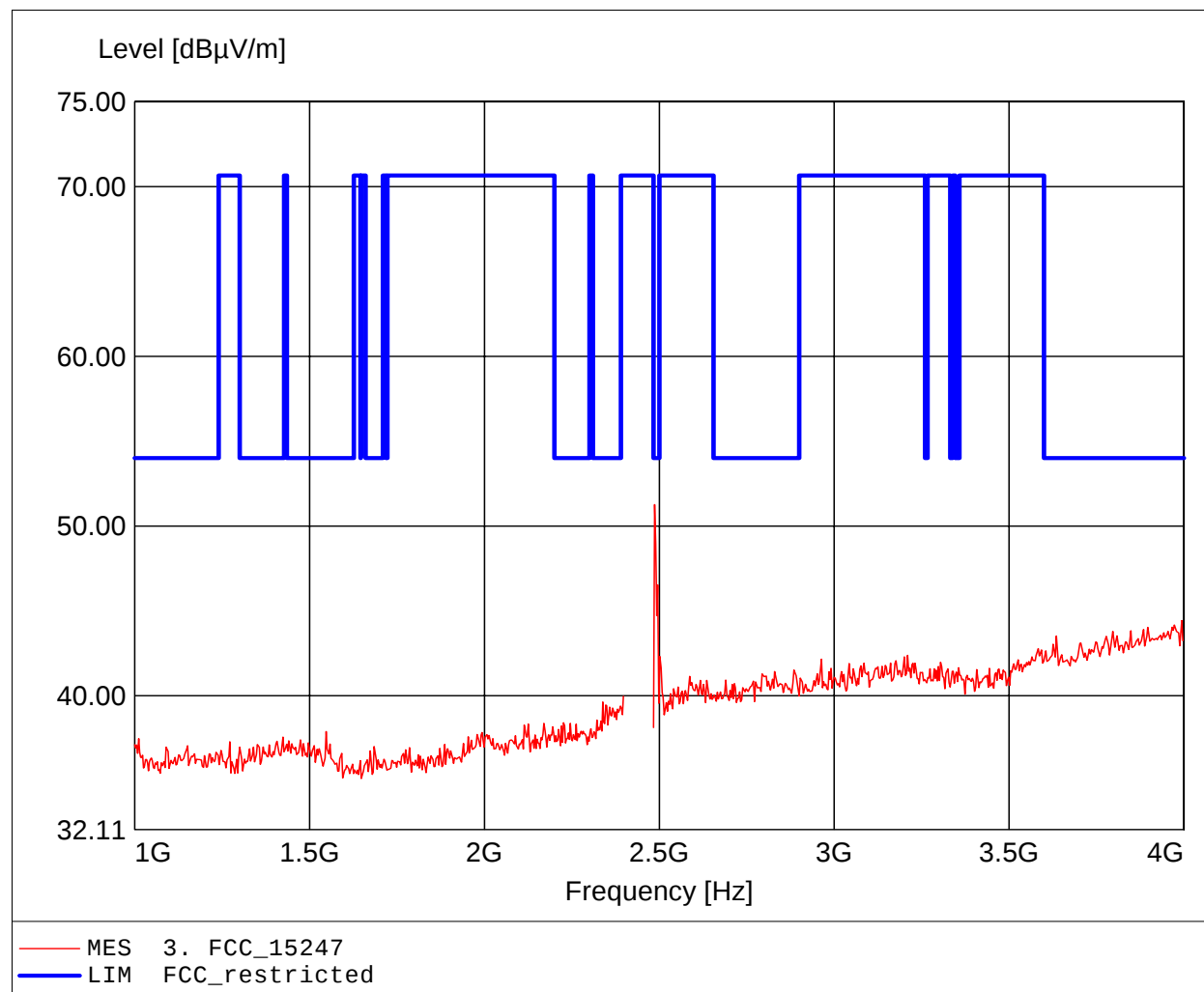
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 991.984MHz, Emax: 23.14dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

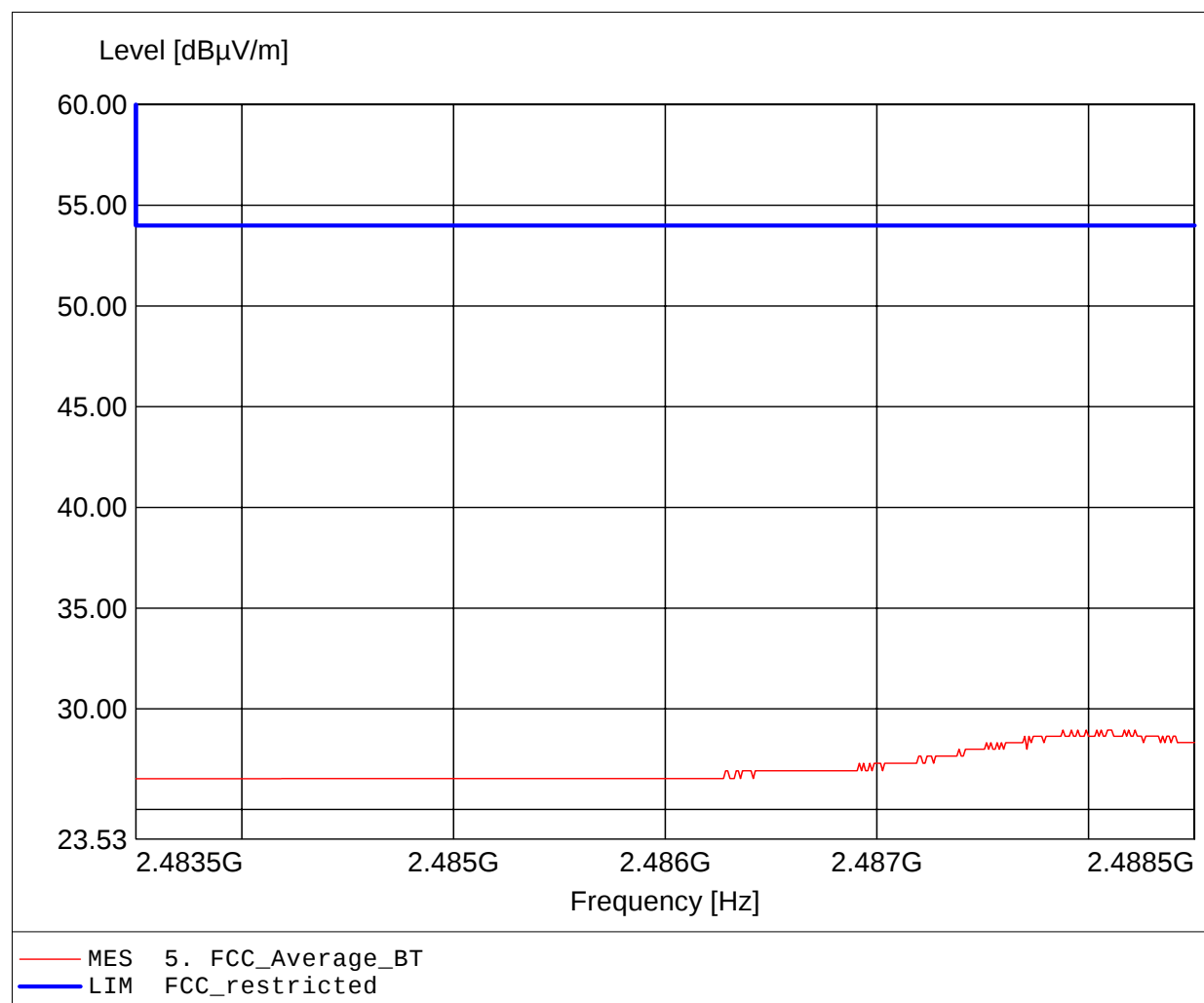
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 51.26dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

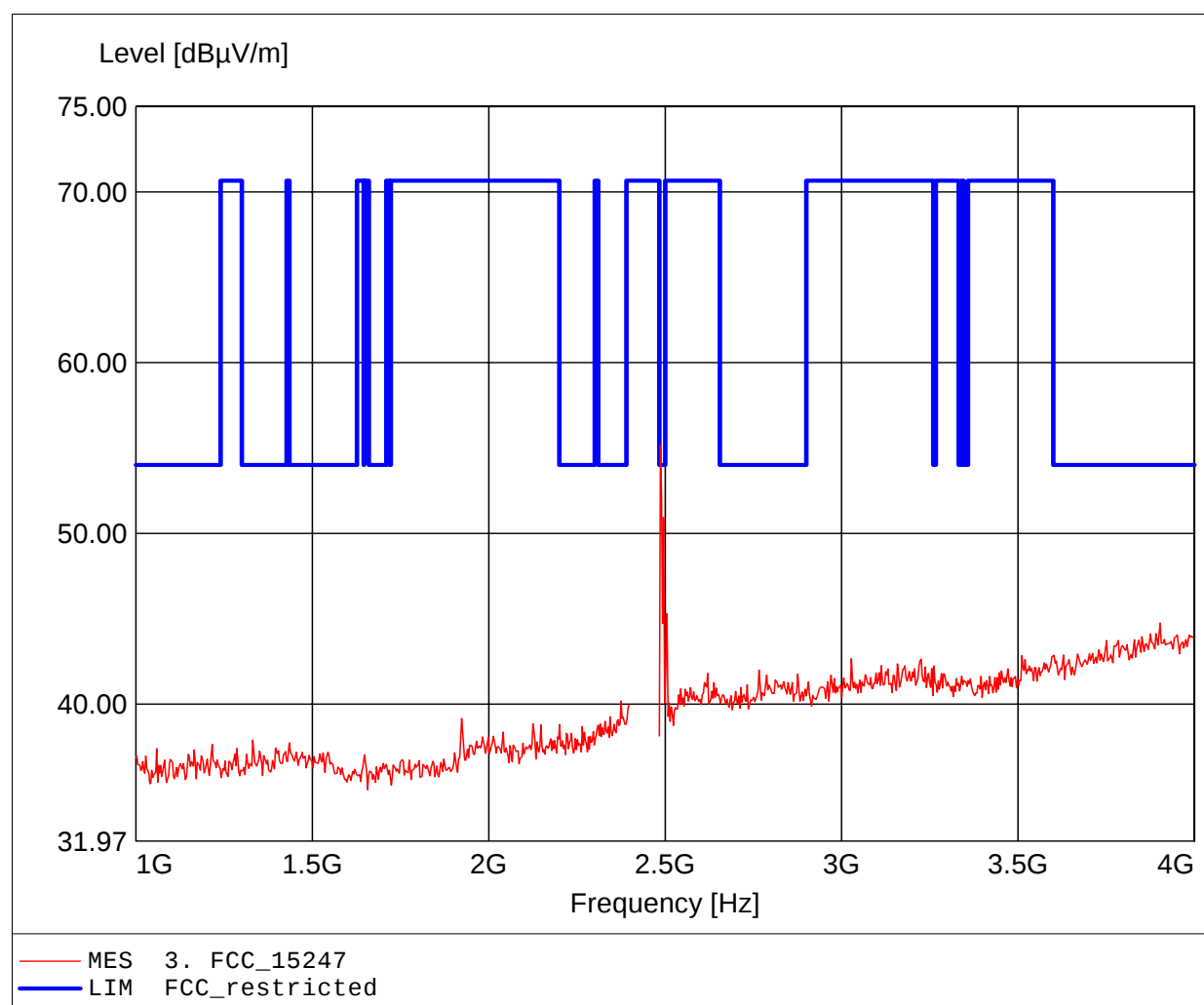
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 2.488GHz, Emax: 28.94dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

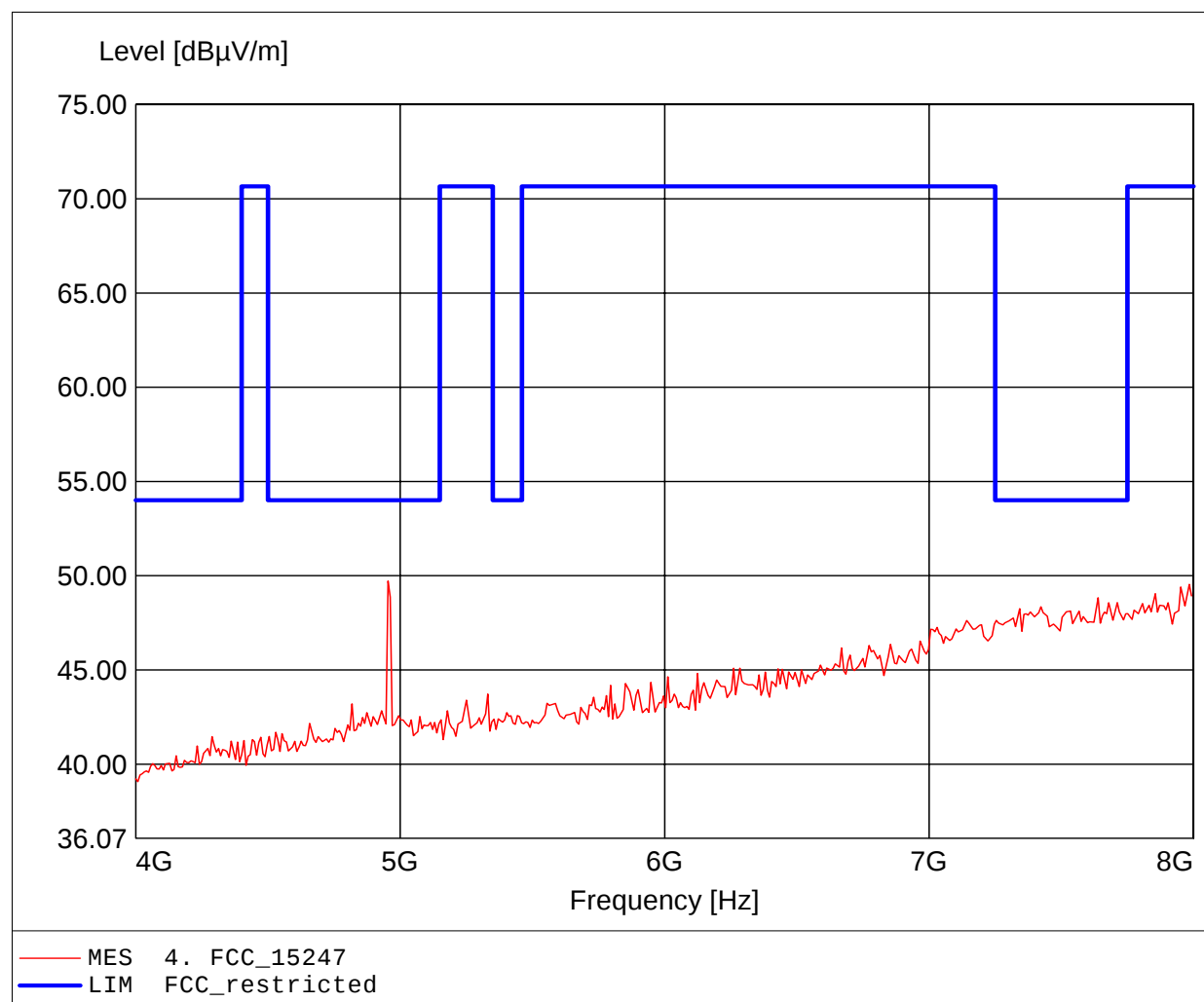
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.487GHz, Emax: 55.16dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

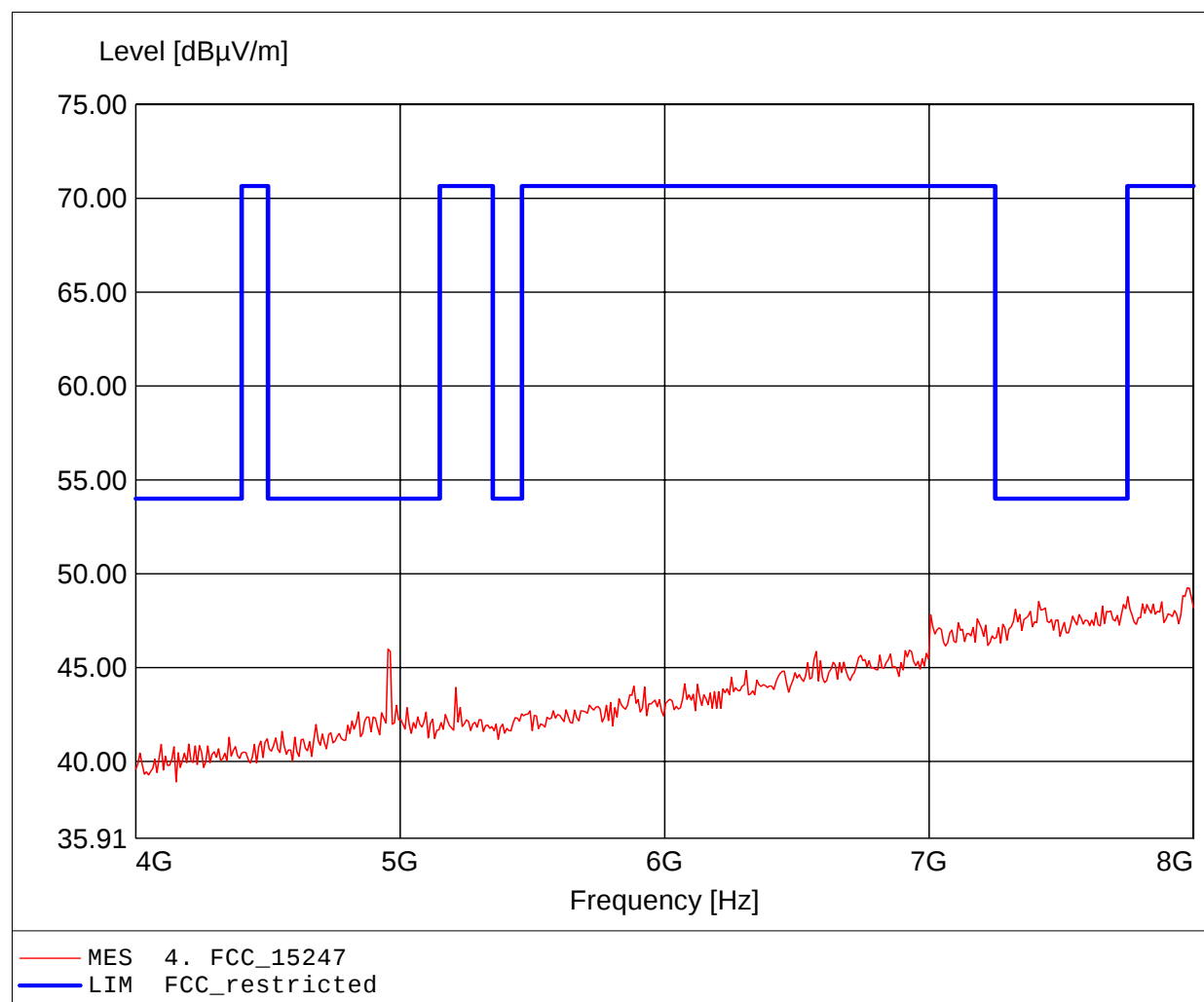
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.954GHz, Emax: 49.71dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

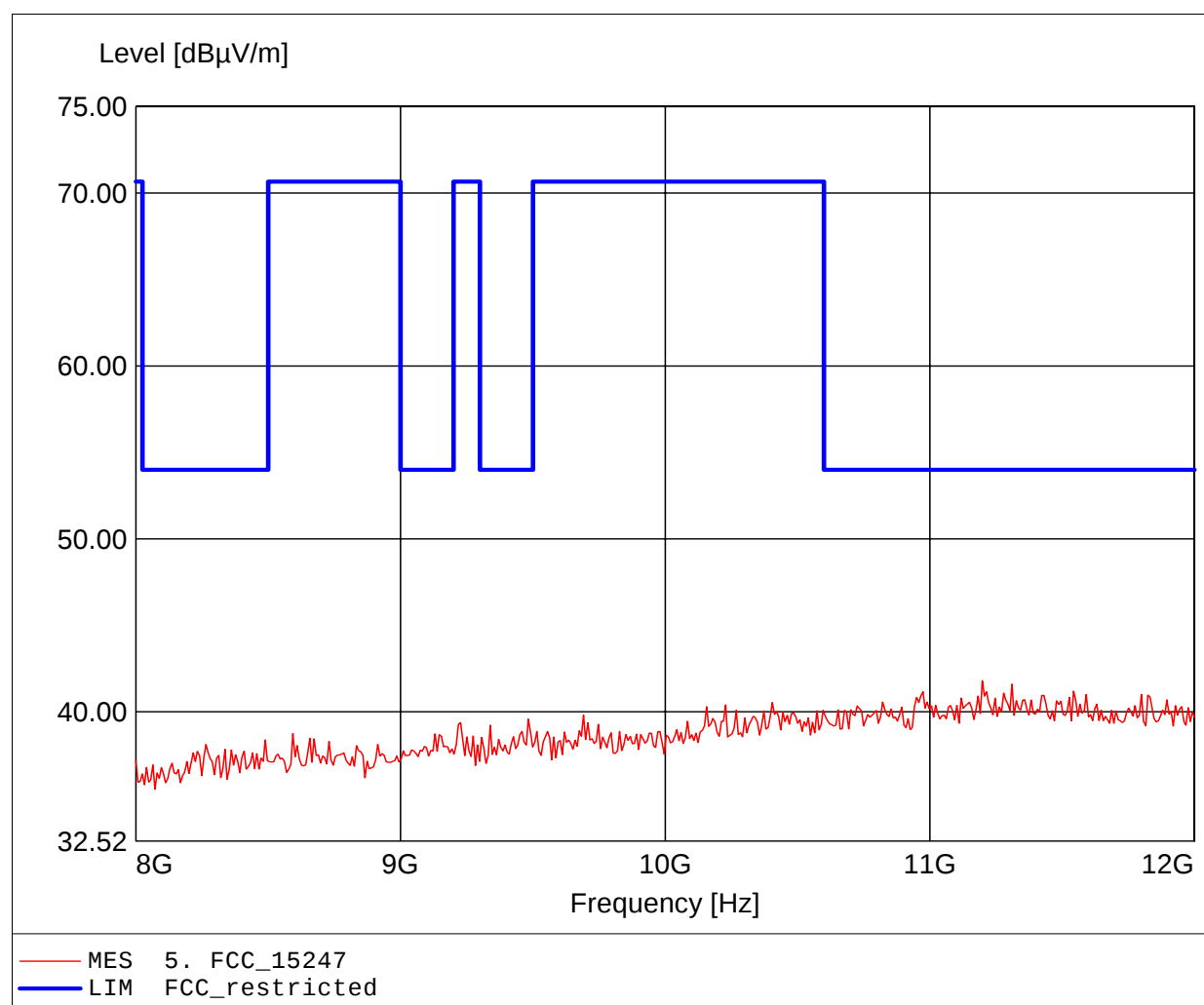
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.976GHz, Emax: 49.26dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

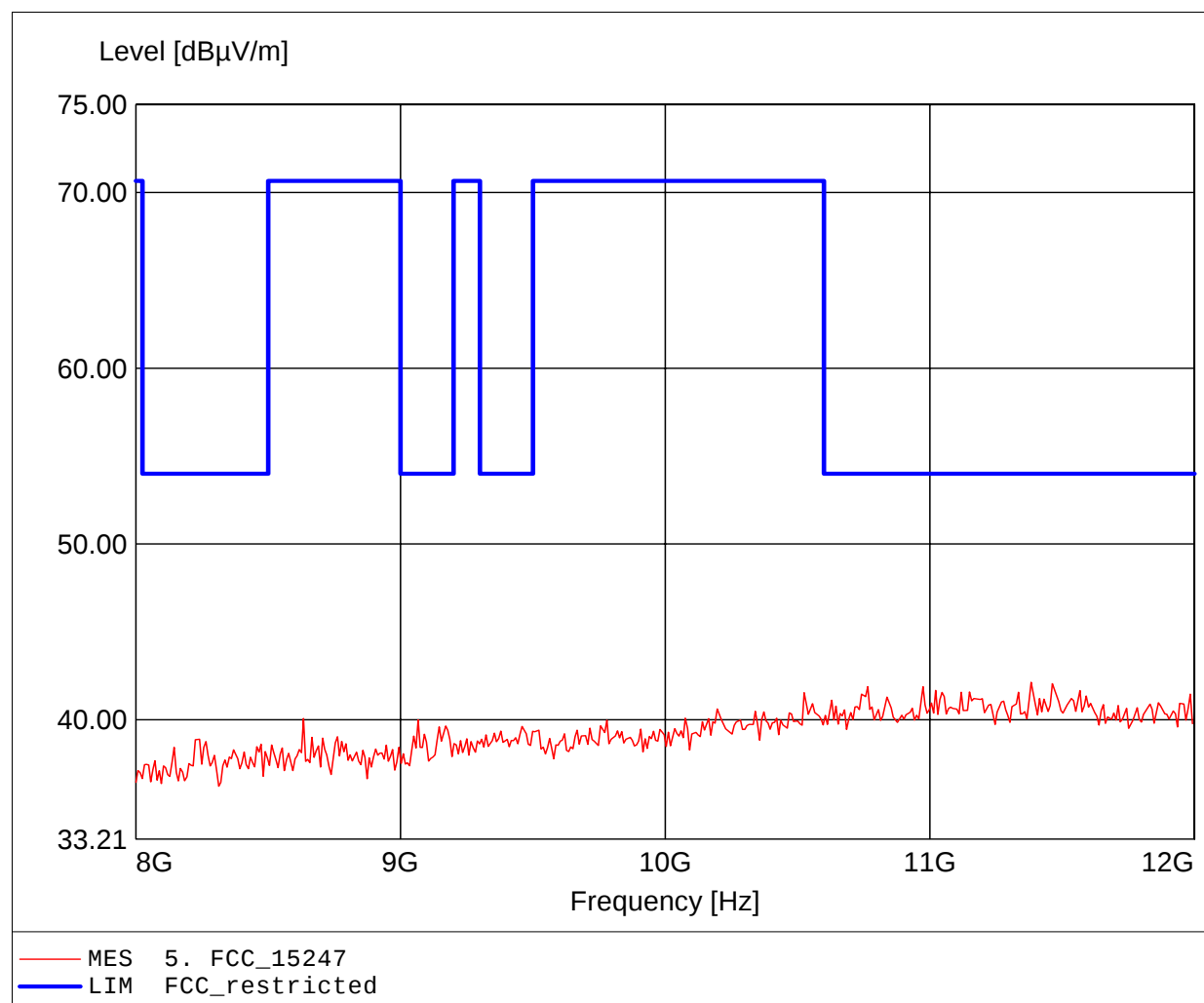
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.198GHz, Emax: 41.80dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

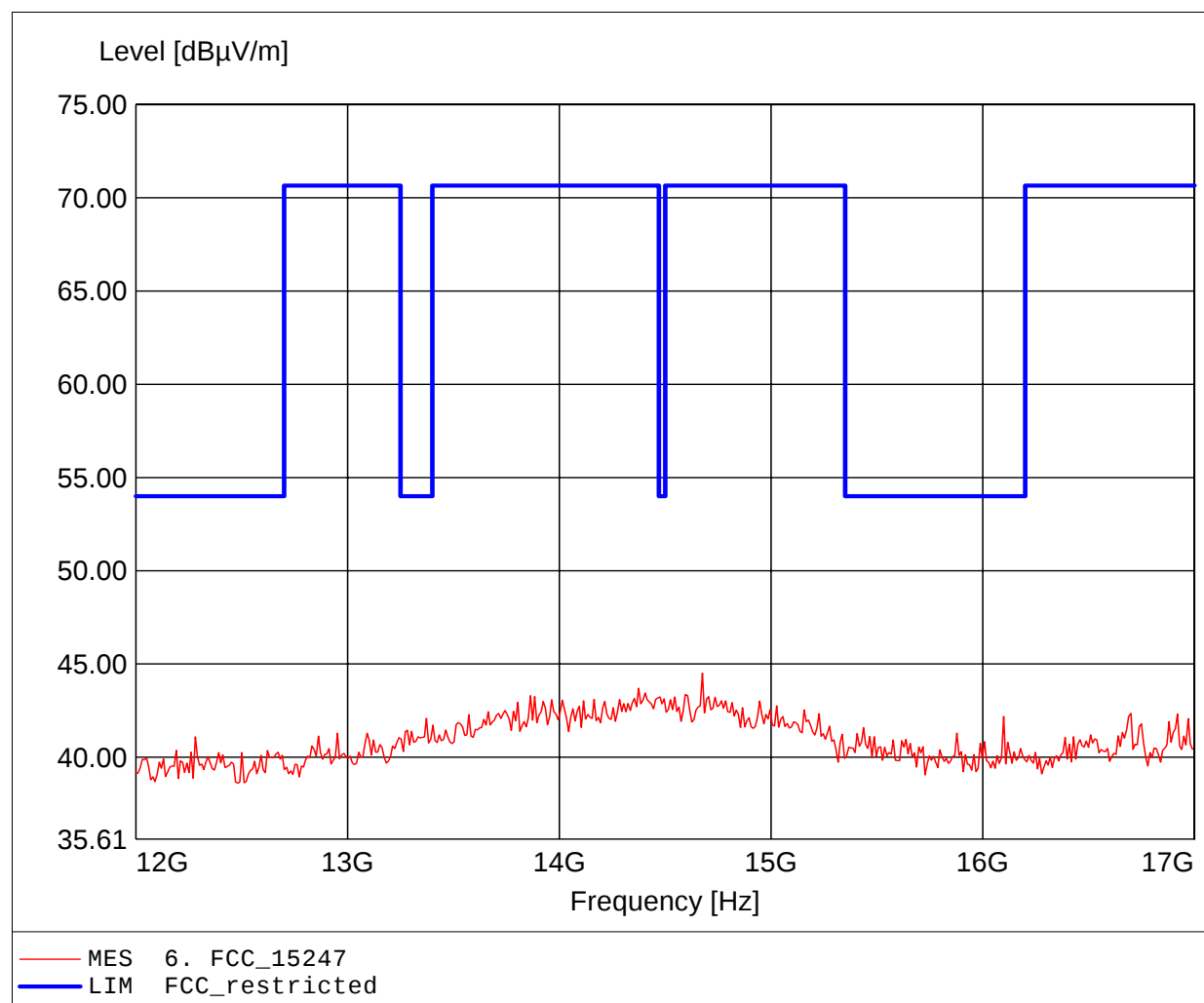
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.383GHz, Emax: 42.13dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

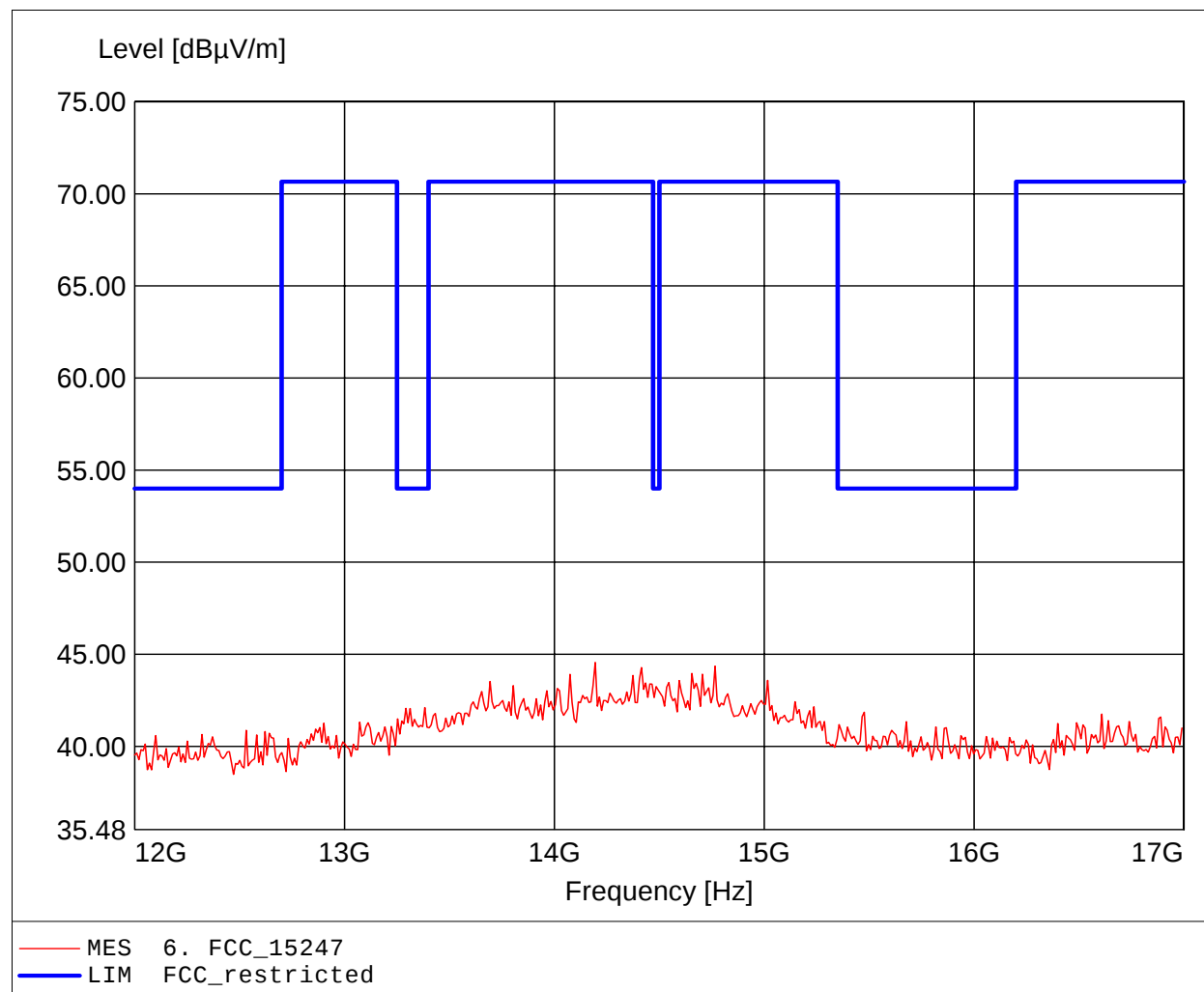
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.675GHz, Emax: 44.50dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

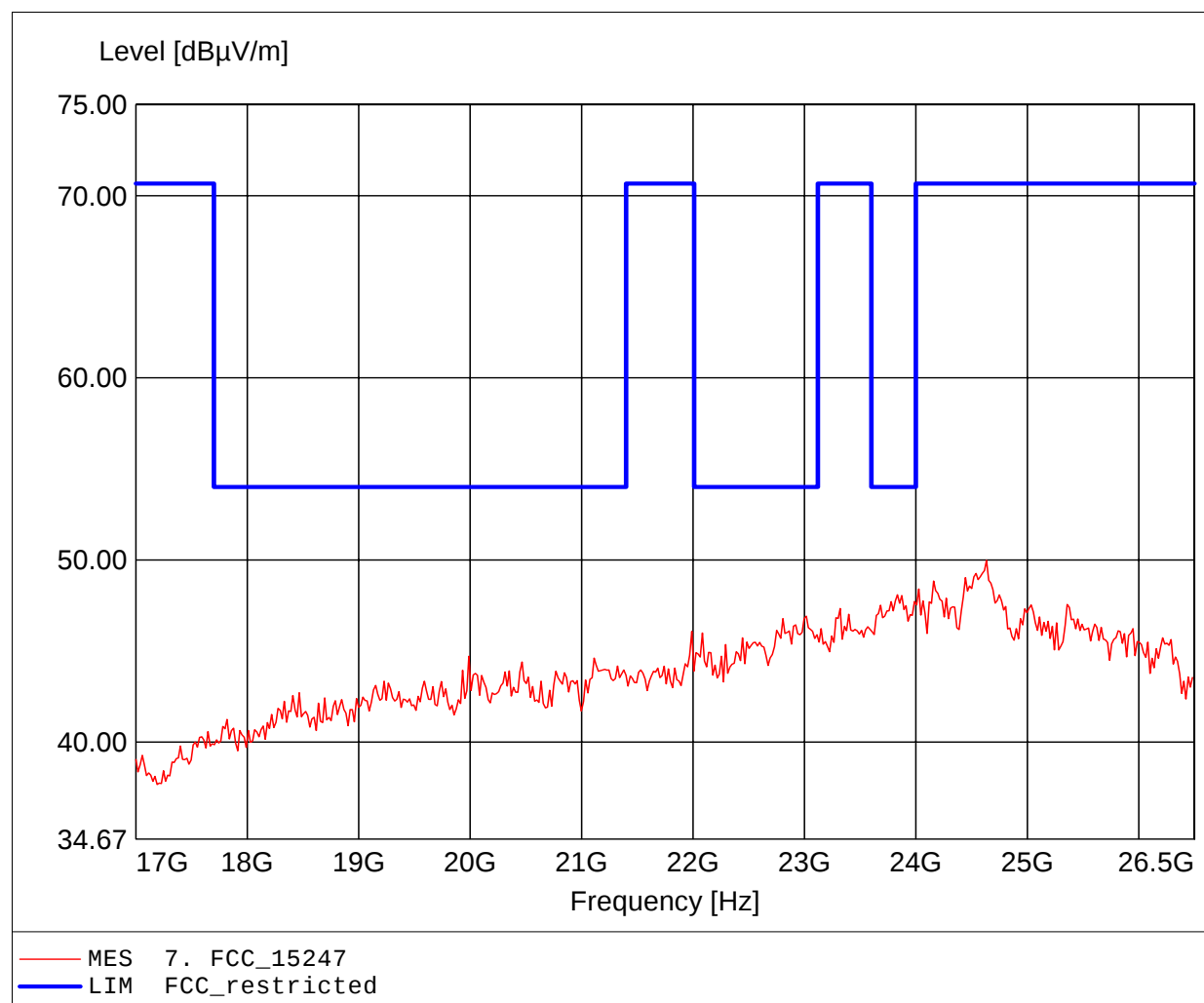
Approval Holdorder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.194GHz, Emax: 44.56dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

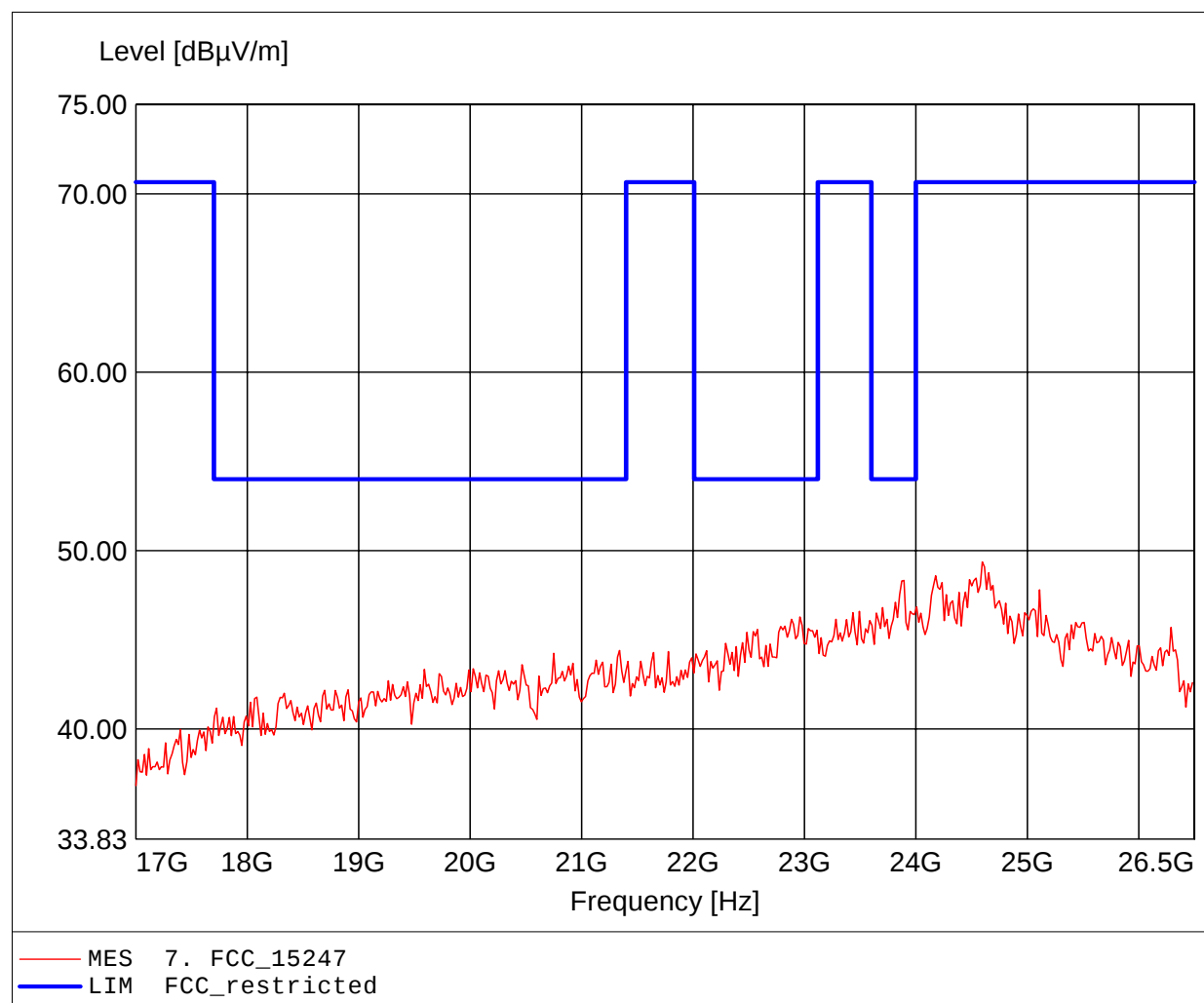
Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.634GHz, Emax: 49.98dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holdolder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630 / 2480 MHz
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Handrik
Test Conditions: Tnom.: 25°C / Unom: 3.8 VDC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.596GHz, Emax: 49.37dBμV/m, RBW: 1MHz



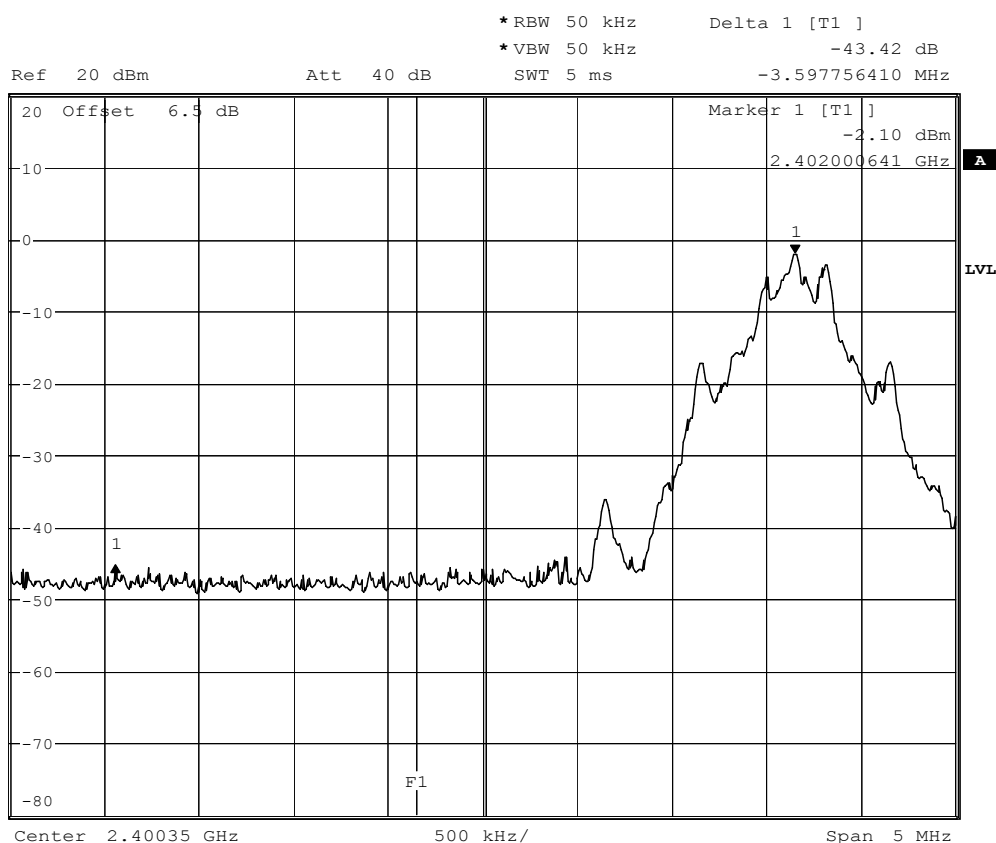
Annex H

Band-edge compliance

FCC part 15.247

Band-edge compliance of RF conducted emissions

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Single frequency mode



Limit: Marker Delta value >20 dB; Result: PASS

Date: 10.JUL.2008 11:37:39

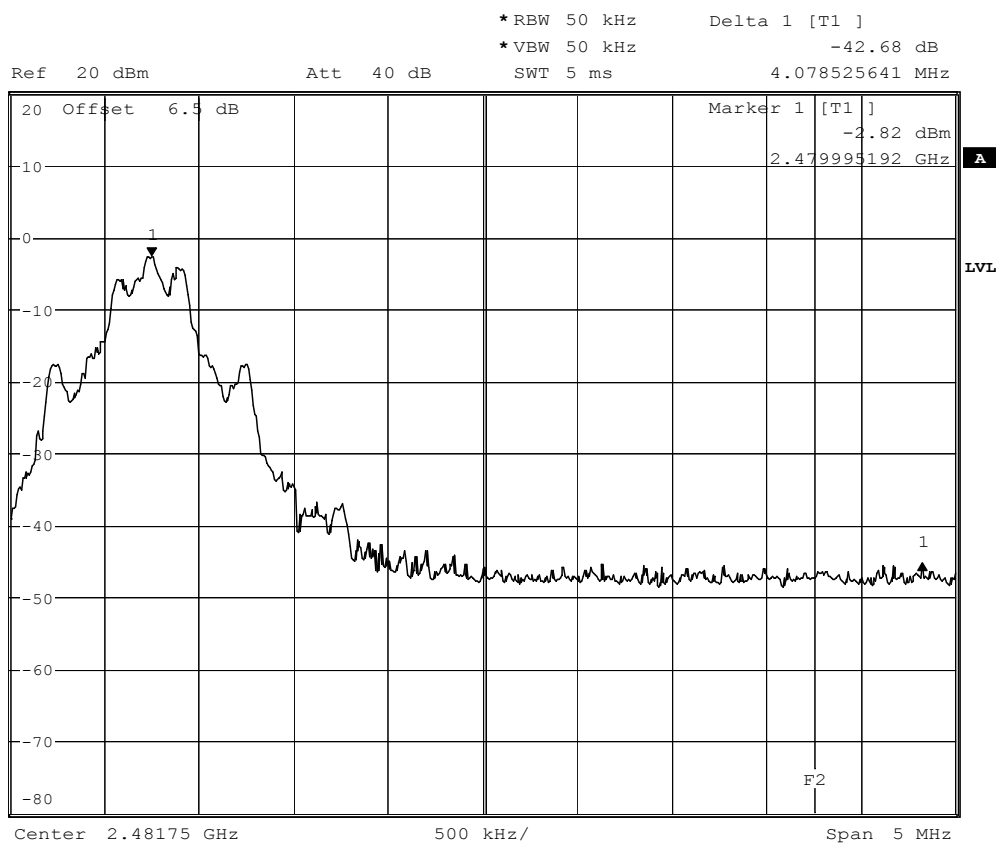
Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247

Band-edge compliance of RF conducted emissions

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Single frequency mode



Limit: Marker Delta value >20 dB; Result: PASS

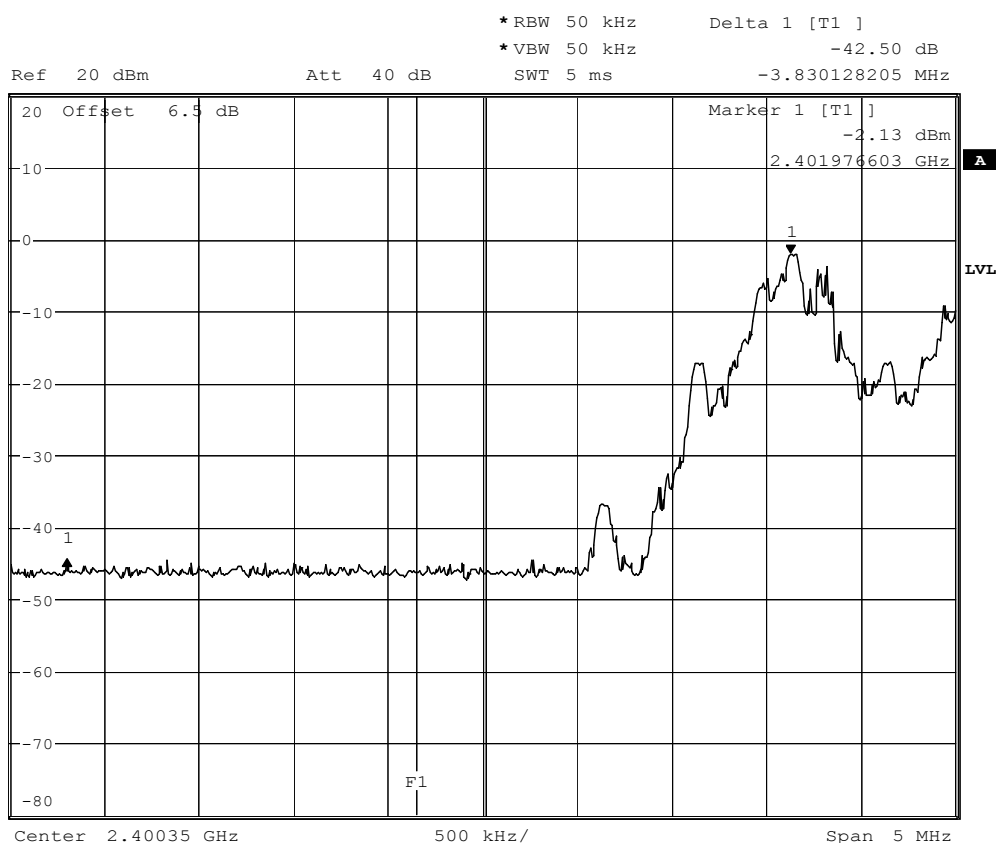
Date: 10.JUL.2008 11:14:28

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz
Comment 3	Hopping mode



Limit: Marker Delta value >20 dB; Result: PASS

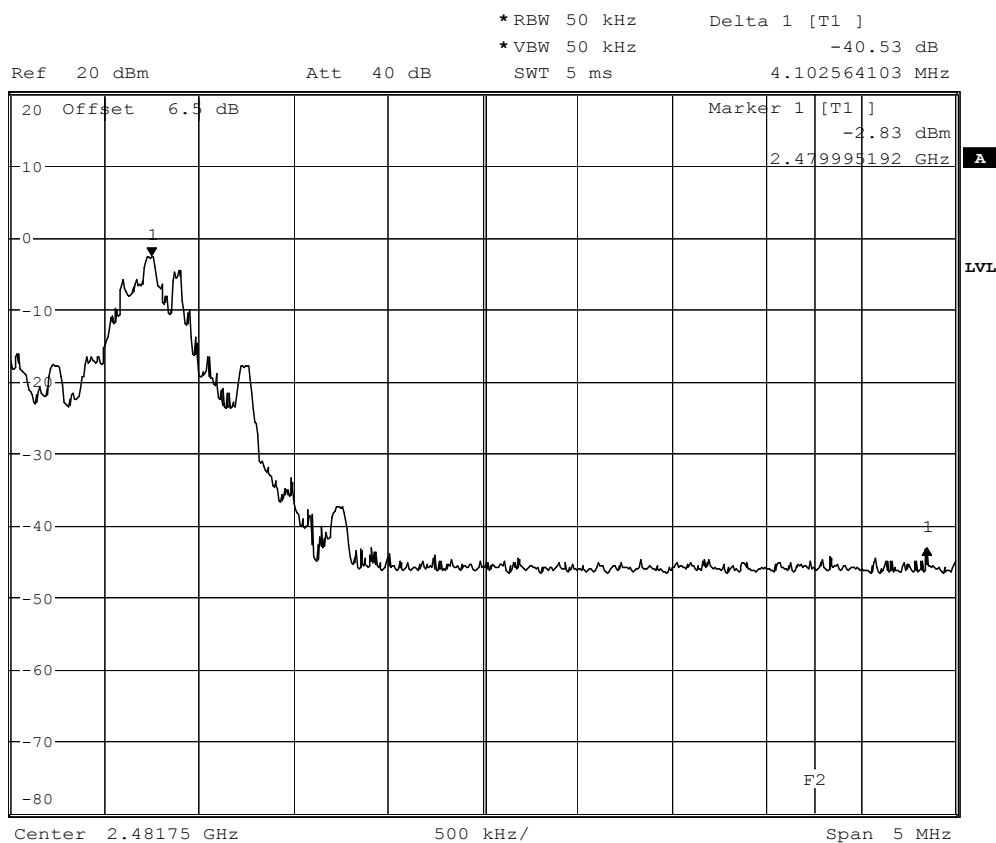
Date: 10.JUL.2008 11:36:19

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.247 Band-edge compliance of RF conducted emissions

EUT	UMTS GSM phone
Model	C630
Approval Holder	Pantech Co., Ltd
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH / Mr. Handrik
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz
Comment 3	Hopping mode



Limit: Marker Delta value >20 dB; Result: PASS

Date: 10.JUL.2008 11:26:19

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

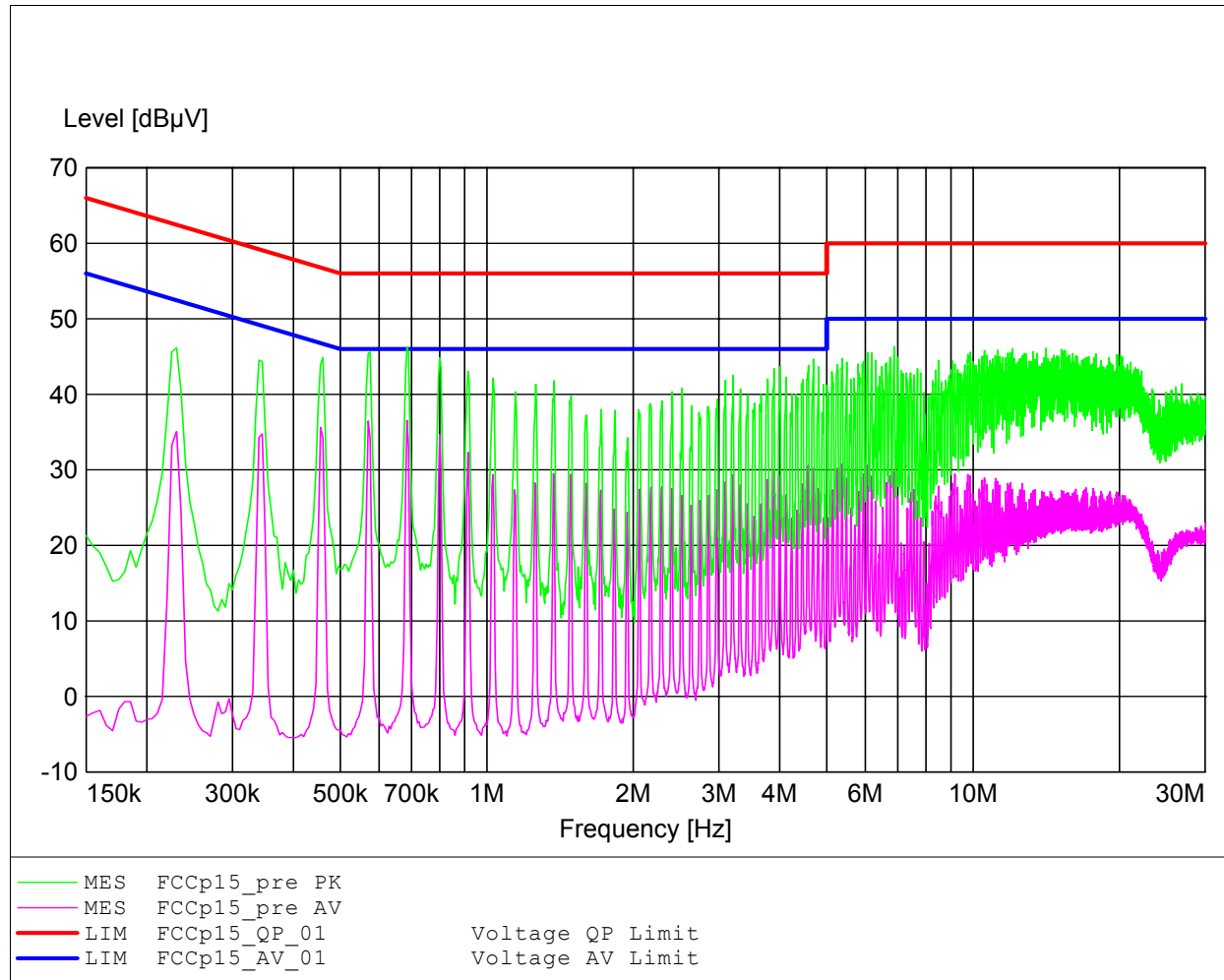
Annex I

AC power line conducted emissions

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

Order NO.: G5M20805-0015

Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630
Test Site / Operator: Eurofins ETS Production Service GmbH / Mr. Marquardt
Test Conditions: Unom: 120 V/AC (AC/DC adaptor), Tnom: 23°C
Test Specification: V-Network: ESH2-Z5 (L1)
Comment 1: mode: charging
Comment 2:



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

Order NO.: G5M20805-0015

Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C630
Test Site / Operator: Eurofins ETS Production Service GmbH / Mr. Marquardt
Test Conditions: Unom: 120 V/AC (AC/DC adaptor), Tnom: 23°C
Test Specification: V-Network: ESH2-Z5 (N)
Comment 1: mode: charging
Comment 2:

