

Annex B

RF power output conducted

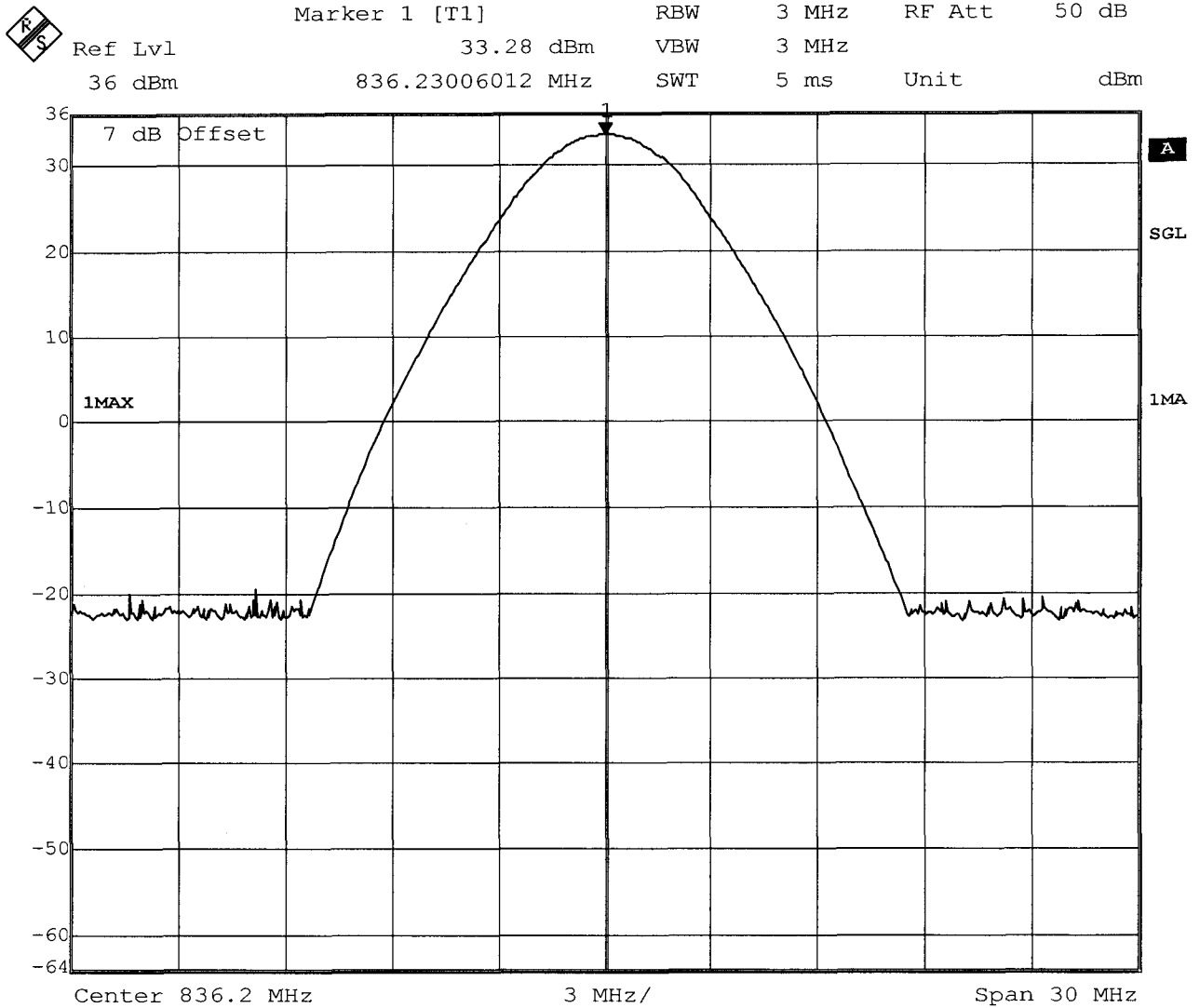
Test Report No.: G5M208010006-C-2

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

Annex B

**FCC Part 22 H
Output power conducted**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 188
Comment 2	
Comment 3	



Date: 29.APR.2008 08:34:19

Measurement diagram

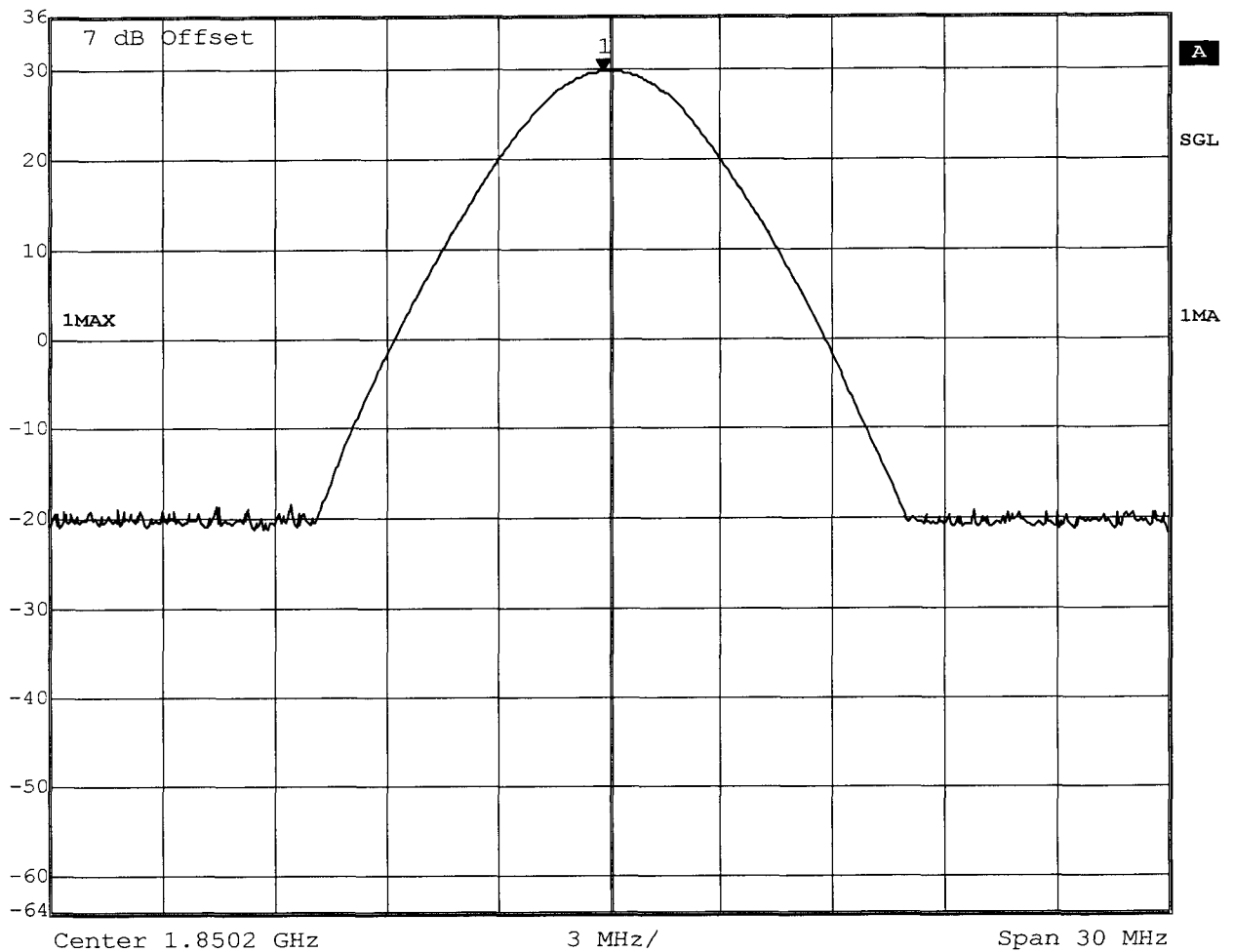
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 24 E
Output power conducted**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 512
Comment 2	
Comment 3	



Marker 1 [T1]	RBW	3 MHz	RF Att	50 dB
Ref Lvl	29.65 dBm	VBW	3 MHz	
36 dBm	1.85004970 GHz	SWT	5 ms	Unit dBm



Date: 29.APR.2008 09:19:06

Measurement diagram

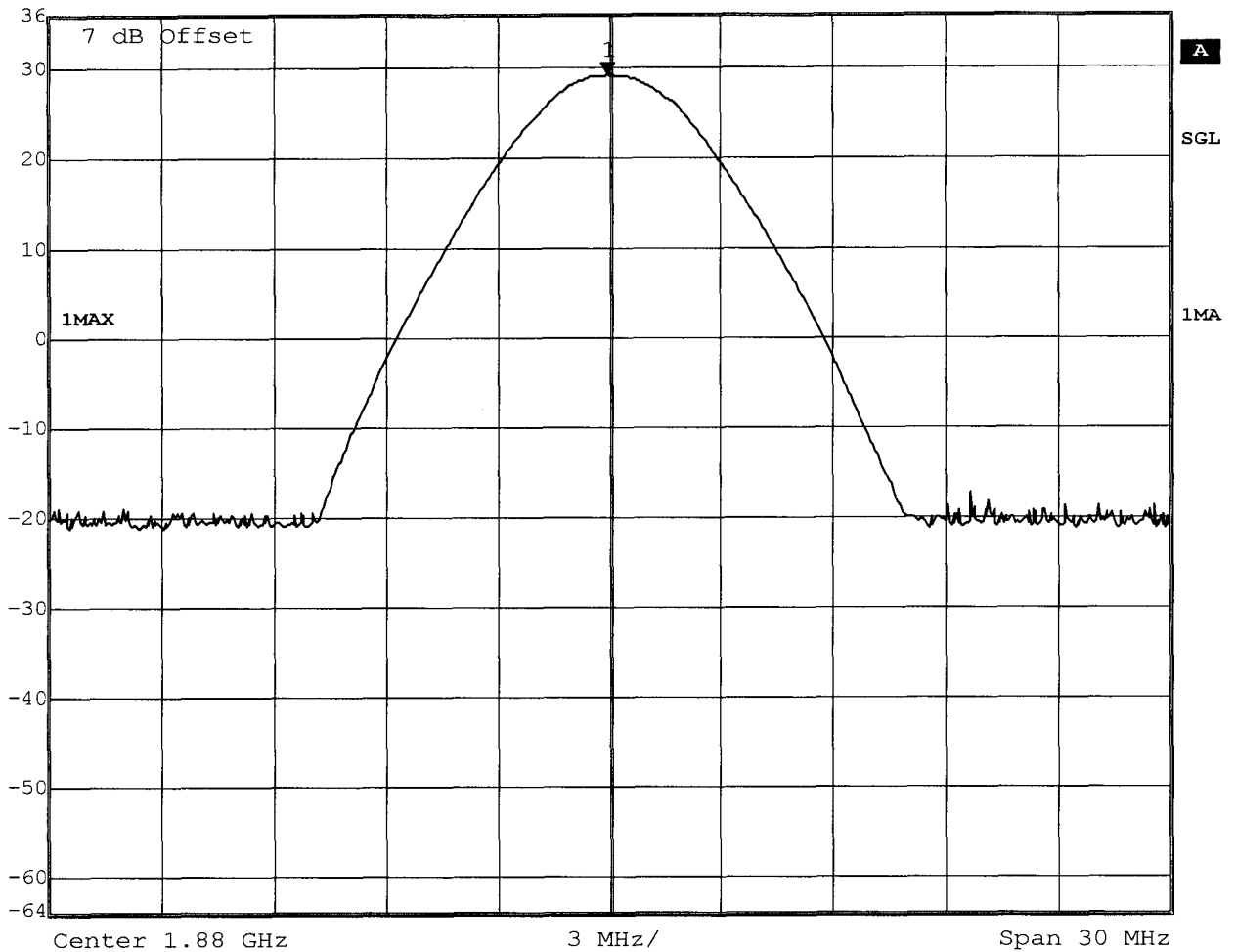
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 24 E
Output power conducted**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 661
Comment 2	
Comment 3	



	Marker 1 [T1]	RBW	3 MHz	RF Att	50 dB
Ref Lvl	29.04 dBm	VBW	3 MHz		
36 dBm	1.87996994 GHz	SWT	5 ms	Unit	dBm



Date: 29.APR.2008 09:27:49

Measurement diagram

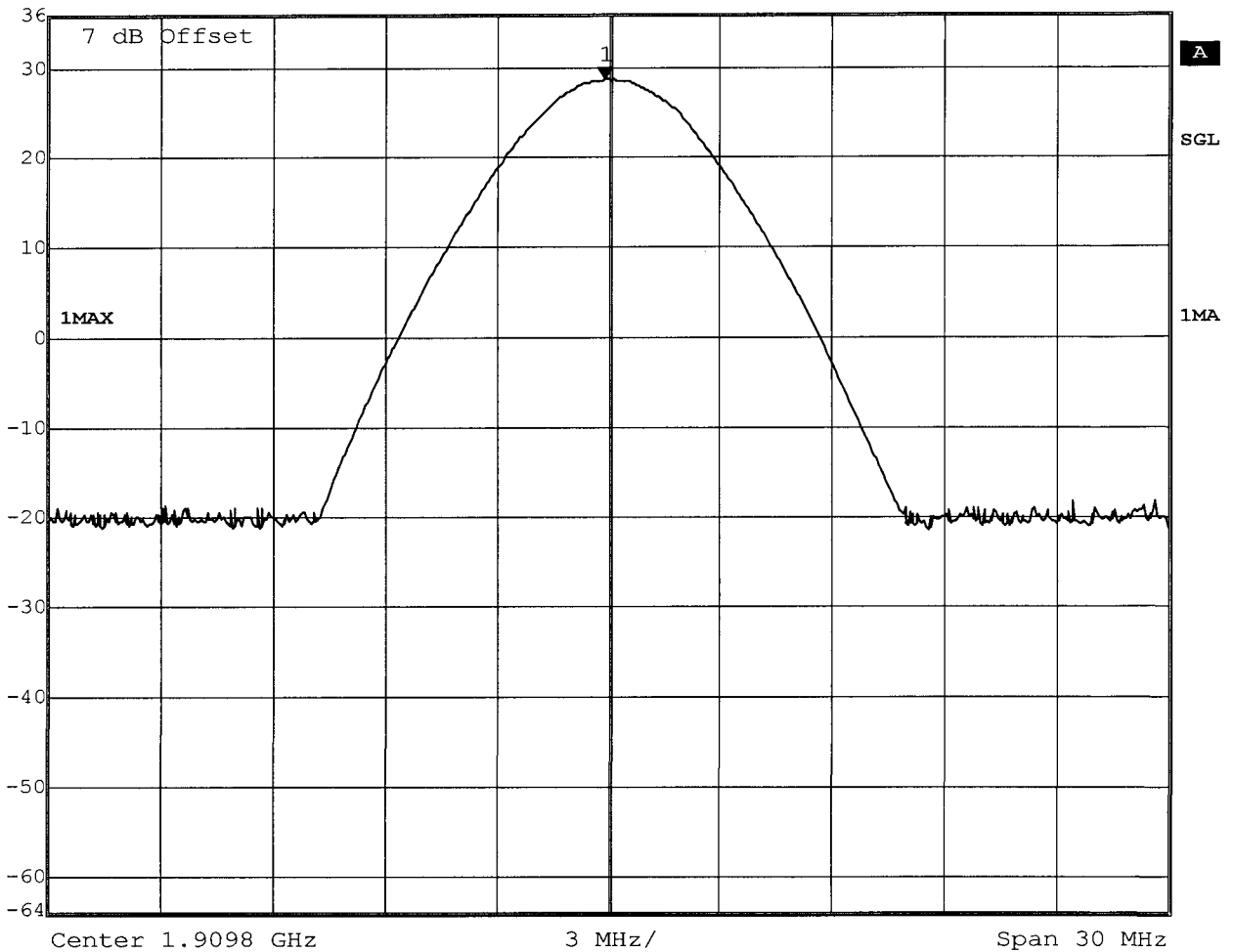
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 24 E
Output power conducted**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 810
Comment 2	
Comment 3	



Marker 1 [T1]	RBW	3 MHz	RF Att	50 dB
Ref Lvl	28.50 dBm	VBW	3 MHz	
36 dBm	1.90970982 GHz	SWT	5 ms	Unit dBm



Date: 29.APR.2008 09:28:48

Measurement diagram

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

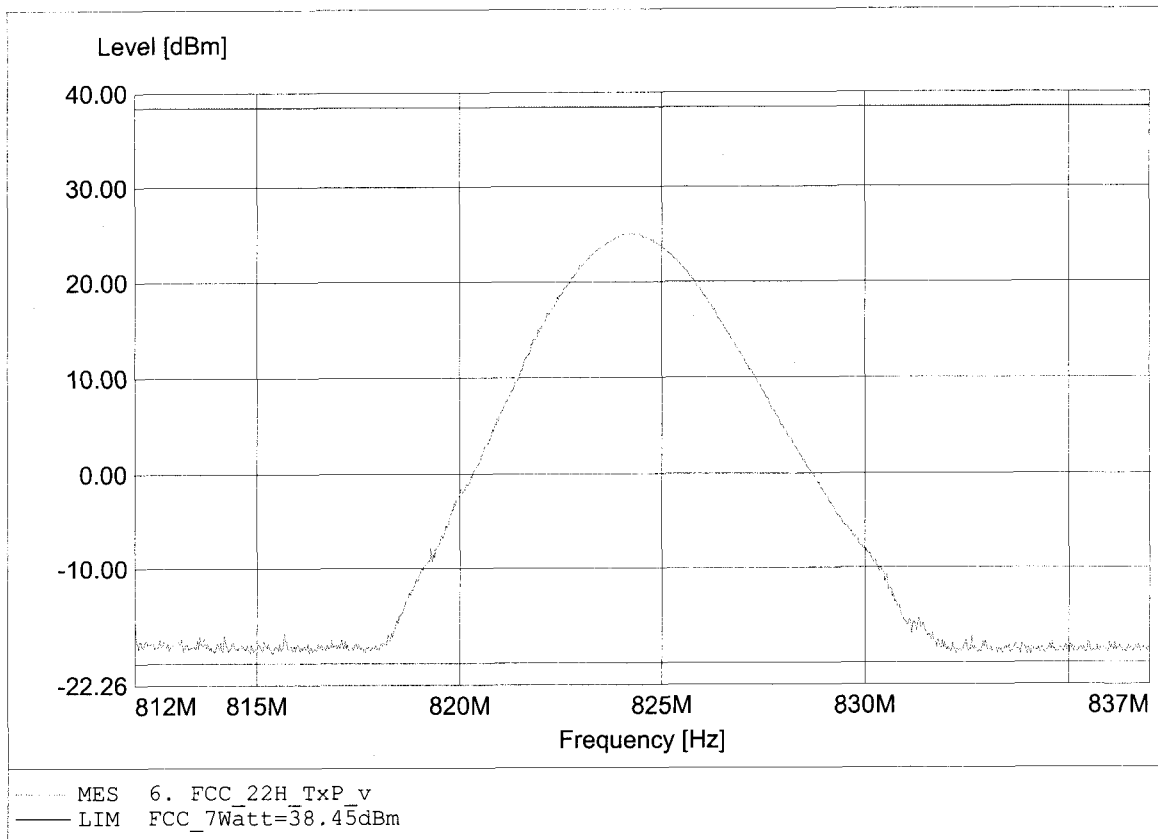
Annex C

RF power output radiated

Effective Radiated Power

FCC RULES PART 22 SUBPART H

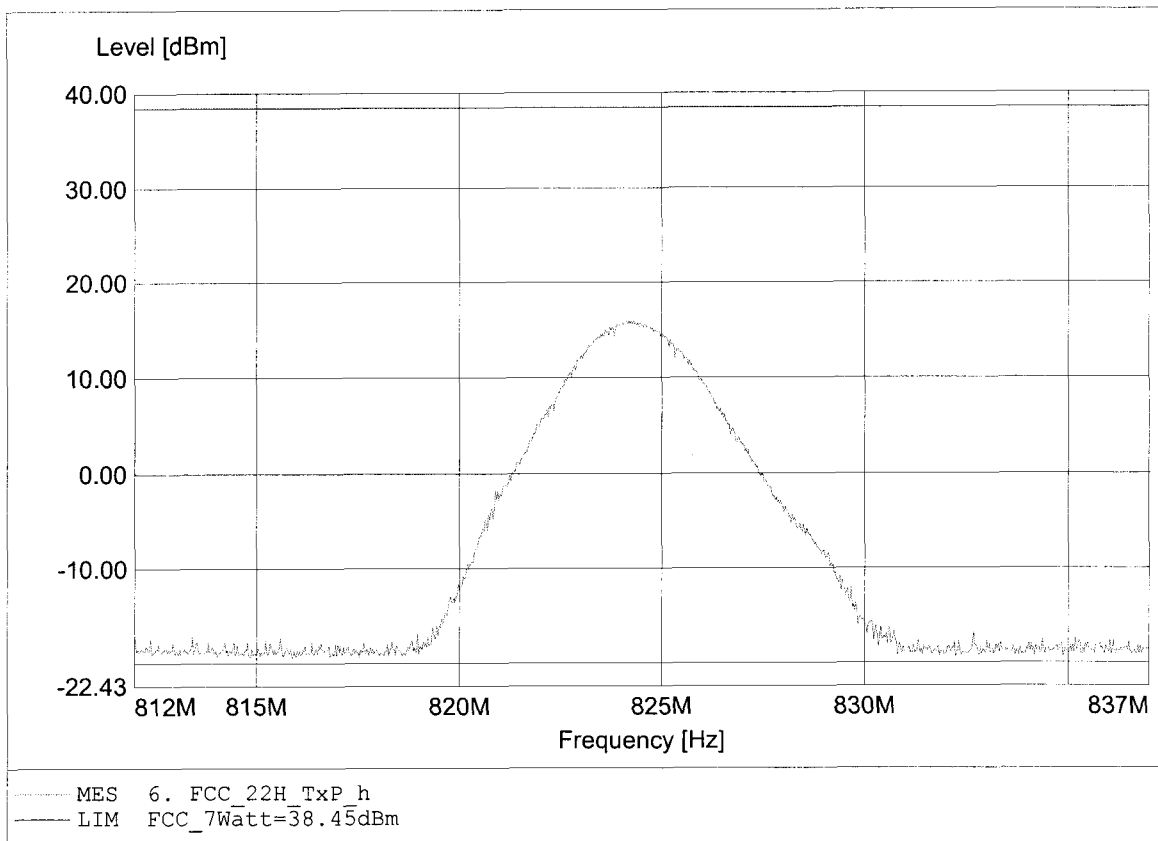
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.:128 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 824.250MHz, Pmax: 25.12dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

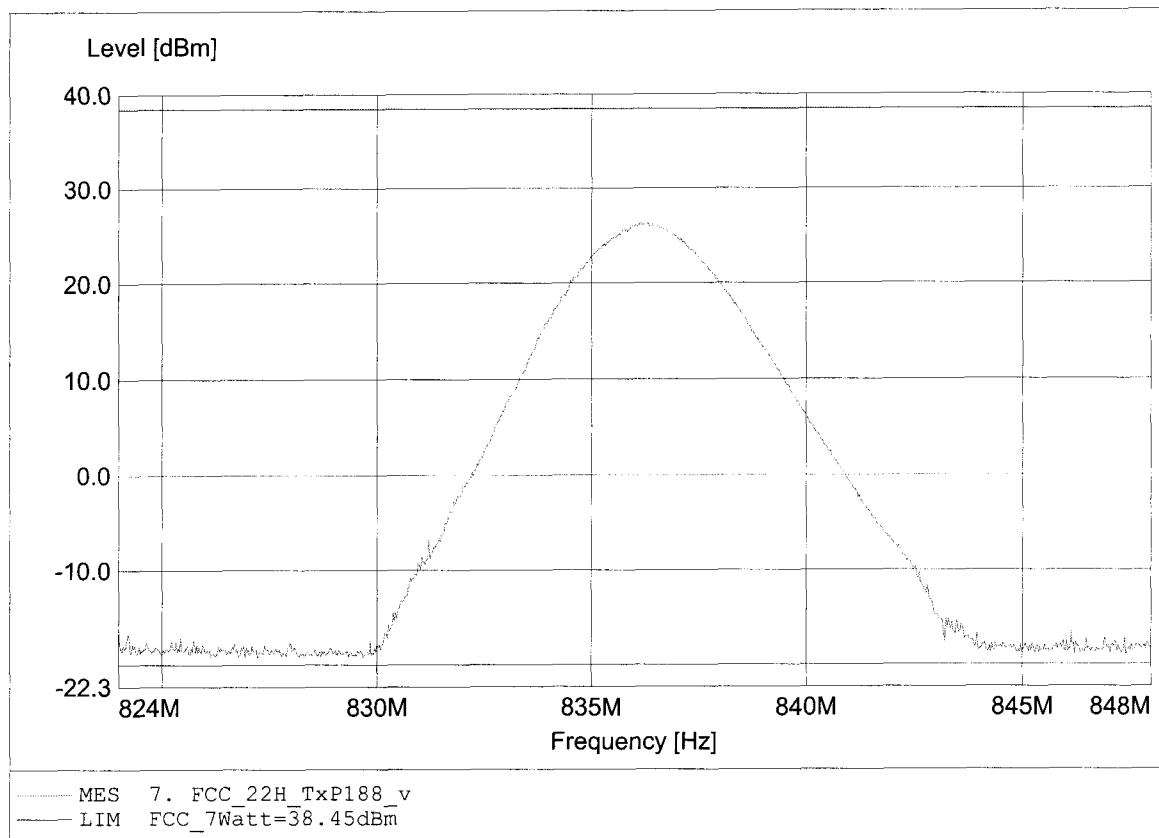
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 128 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 824.250MHz, Pmax: 15.92dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

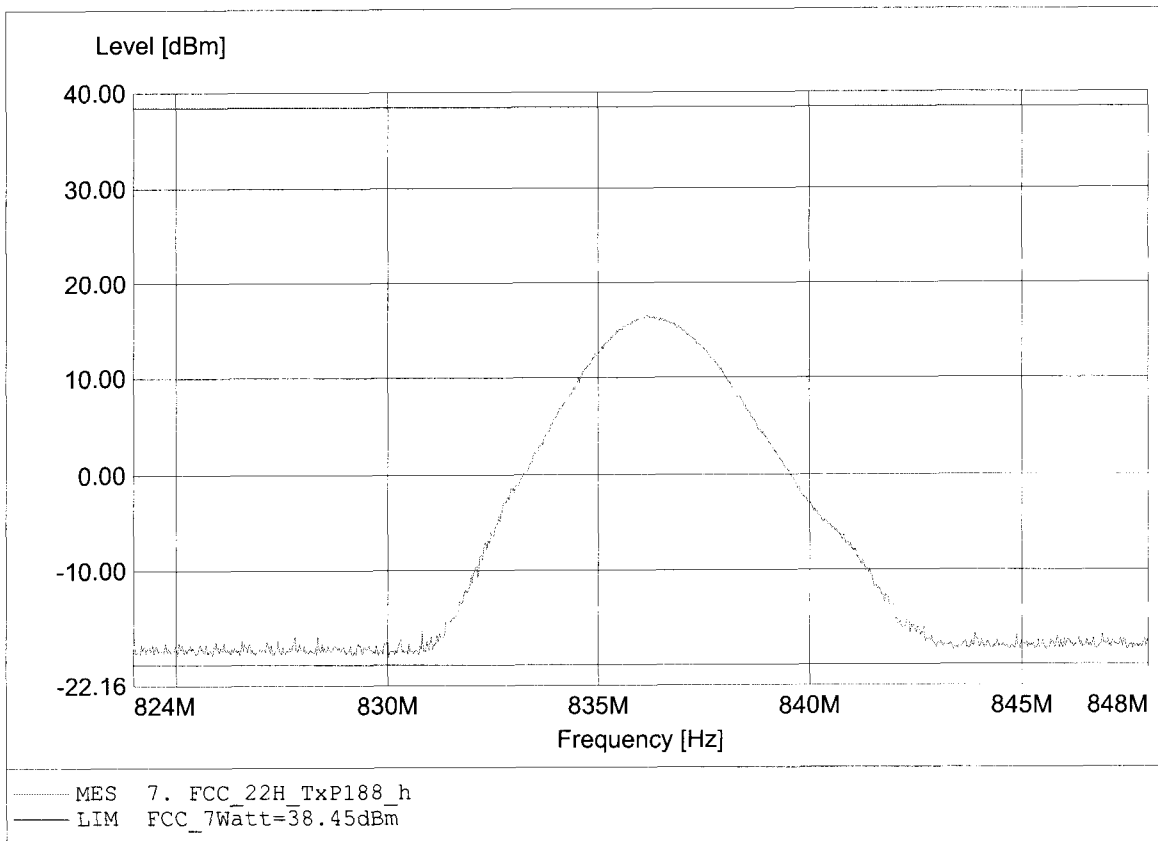
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 188 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 836.133MHz, Pmax: 26.30dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

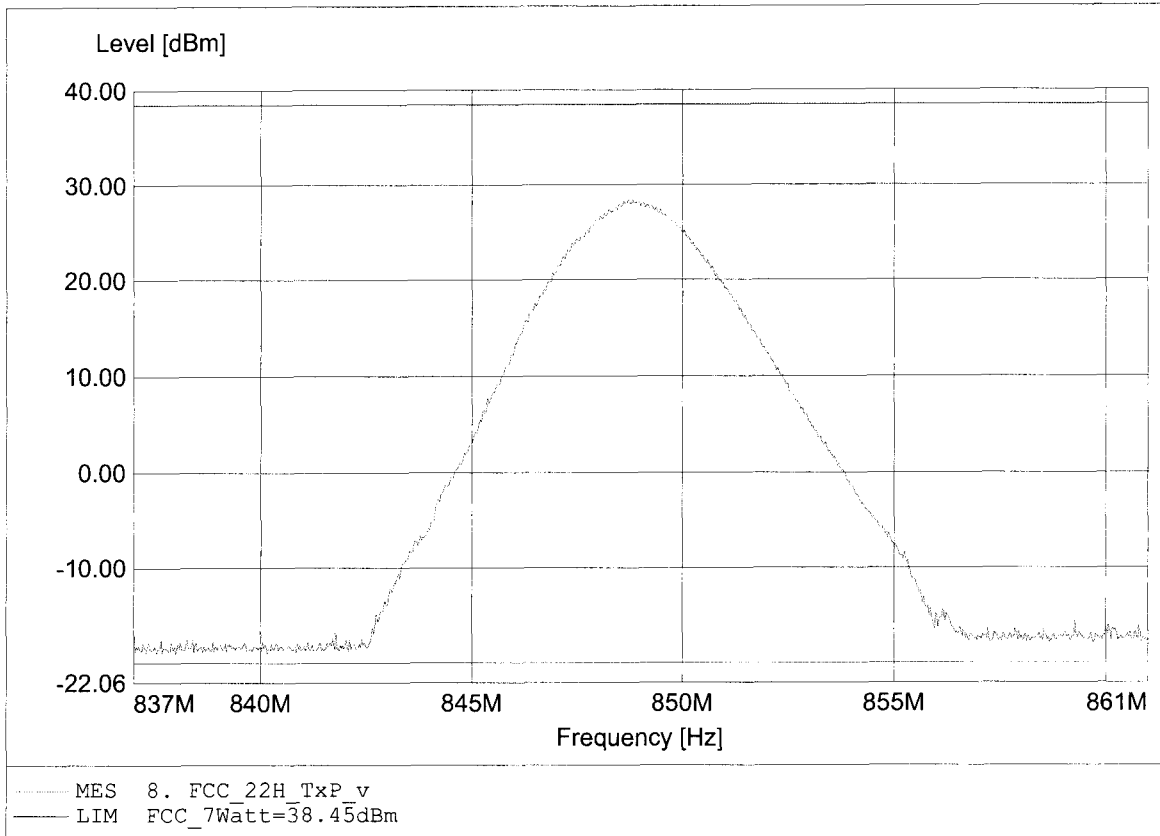
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 188 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 836.160MHz, Pmax: 16.59dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

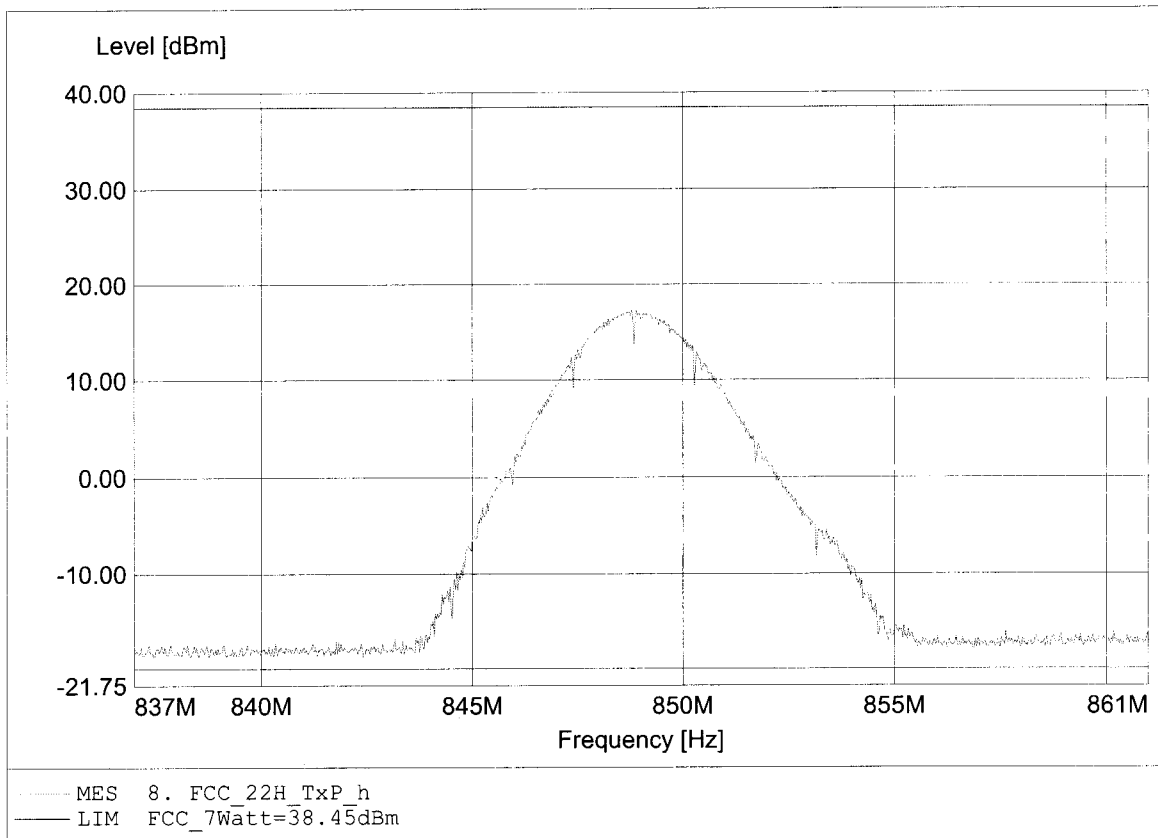
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 251 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 848.813MHz, Pmax: 28.45dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

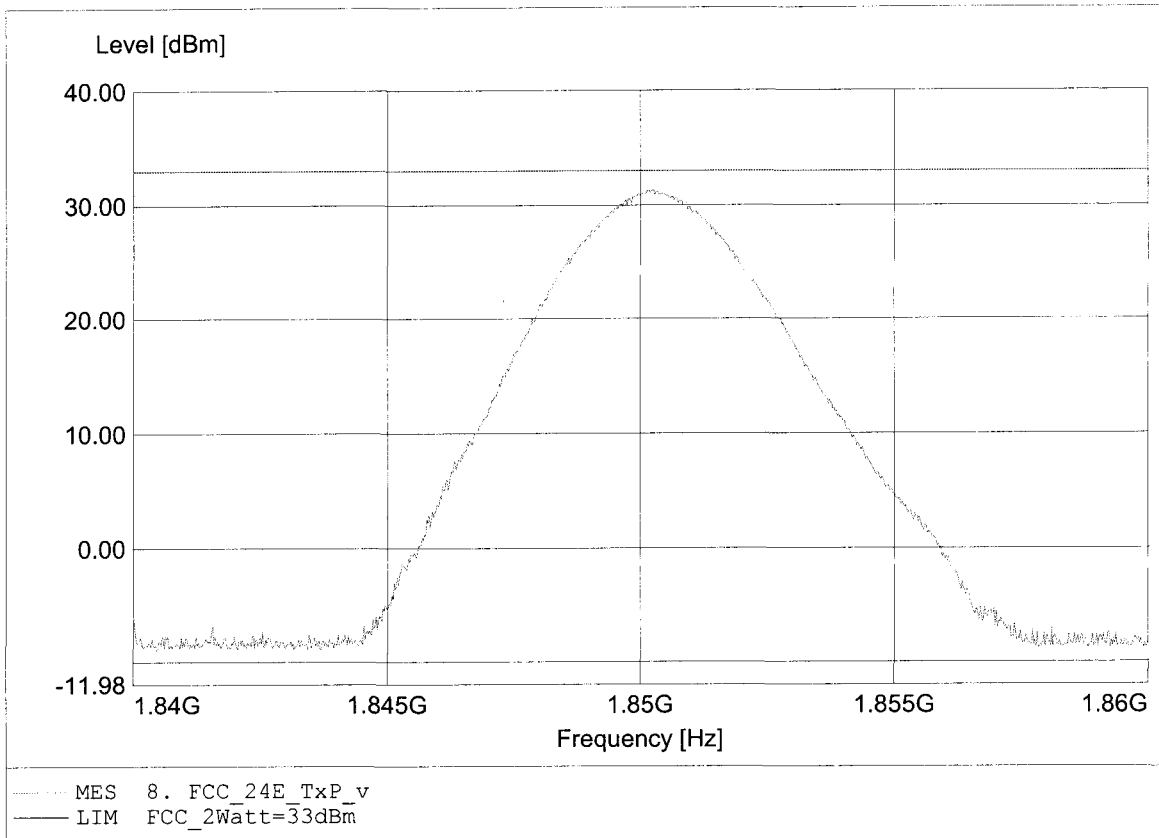
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 251 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to S22.913
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 848.893MHz, Pmax: 17.32dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

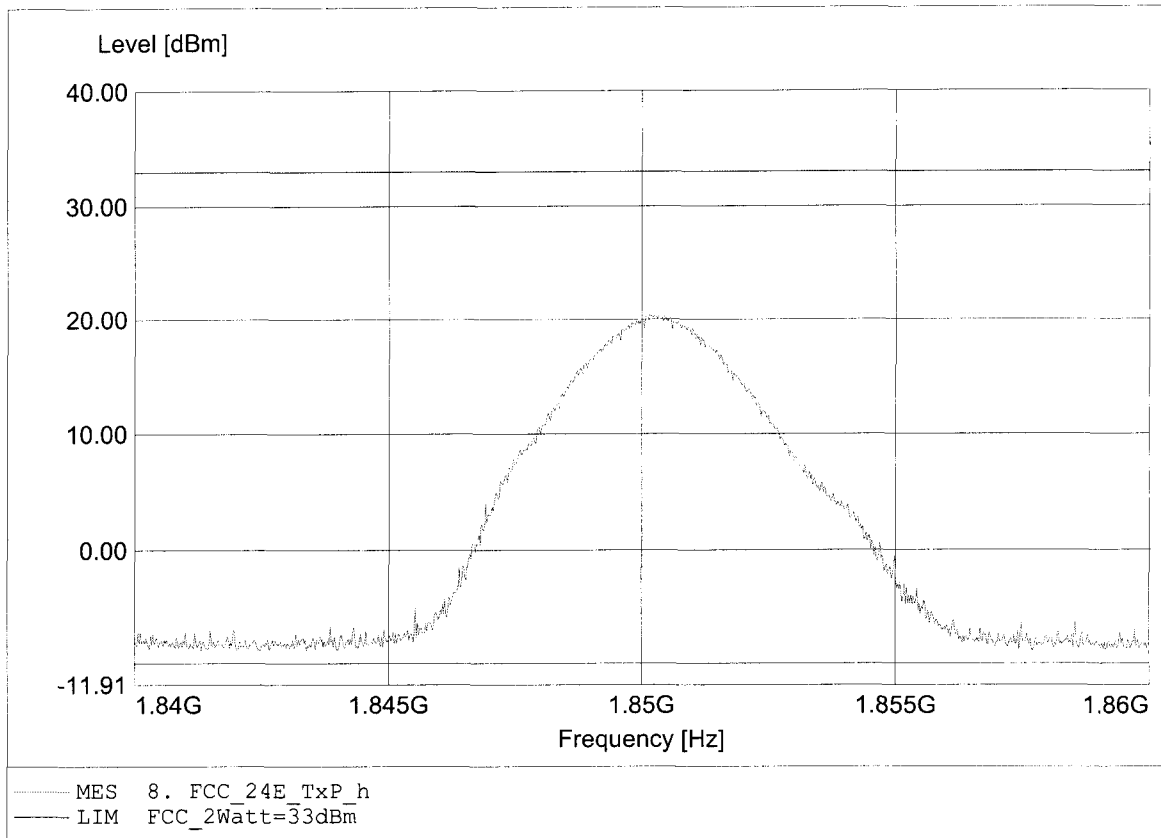
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 512 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0
Comment 2: Freq: 1.850GHz, Pmax: 31.32dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

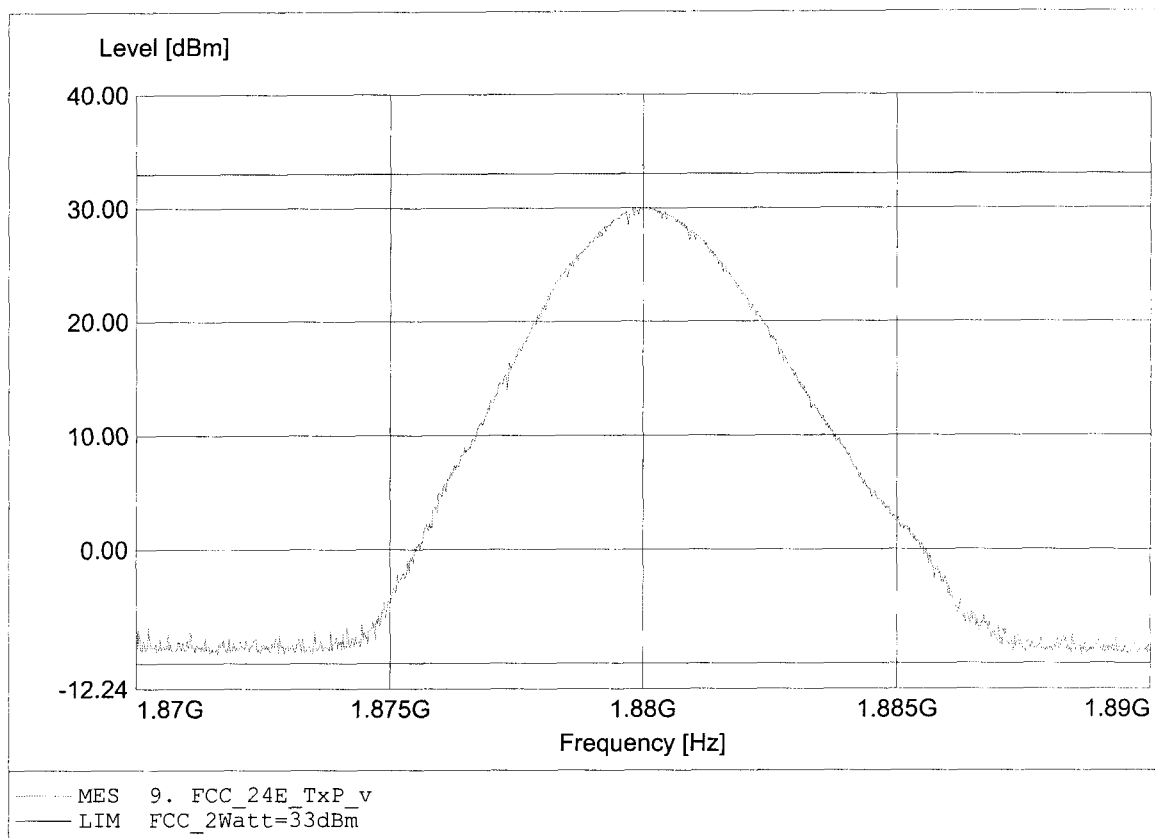
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 512 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0
Comment 2: Freq: 1.850GHz, Pmax: 20.44dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

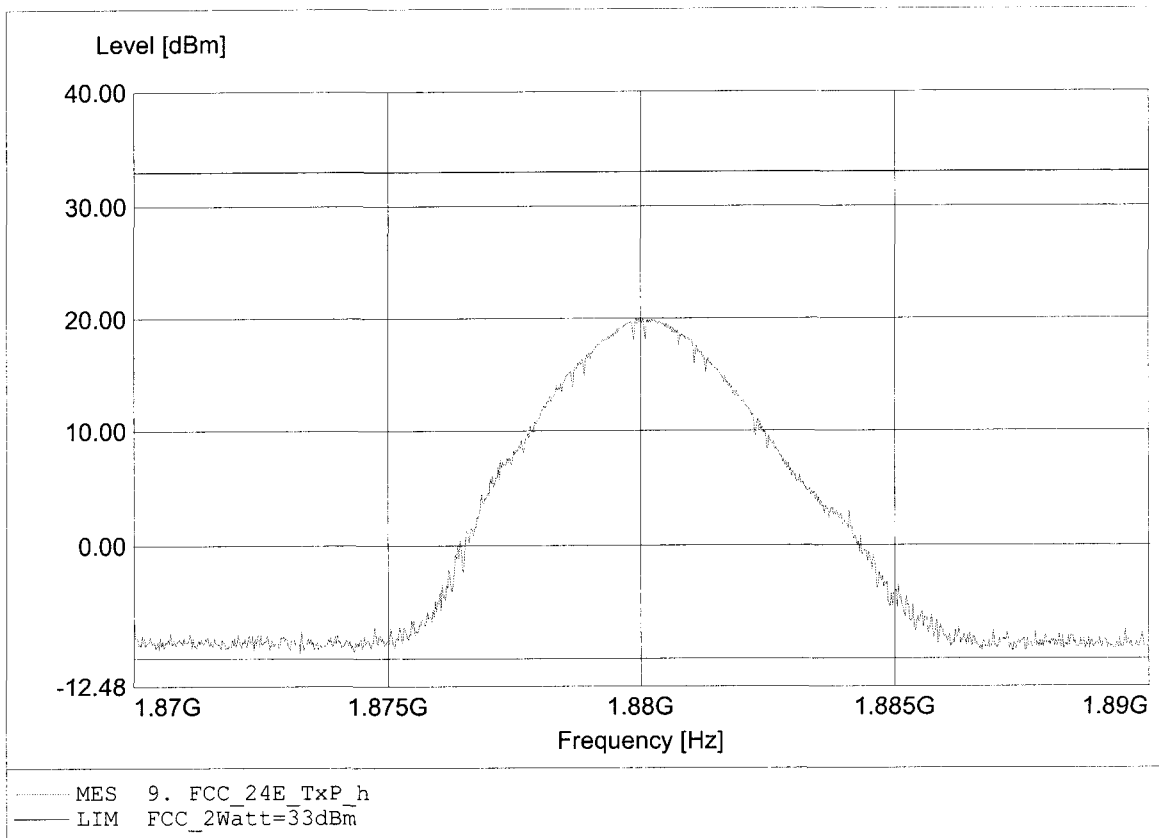
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 661 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0
Comment 2: Freq: 1.880GHz, Pmax: 30.08dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

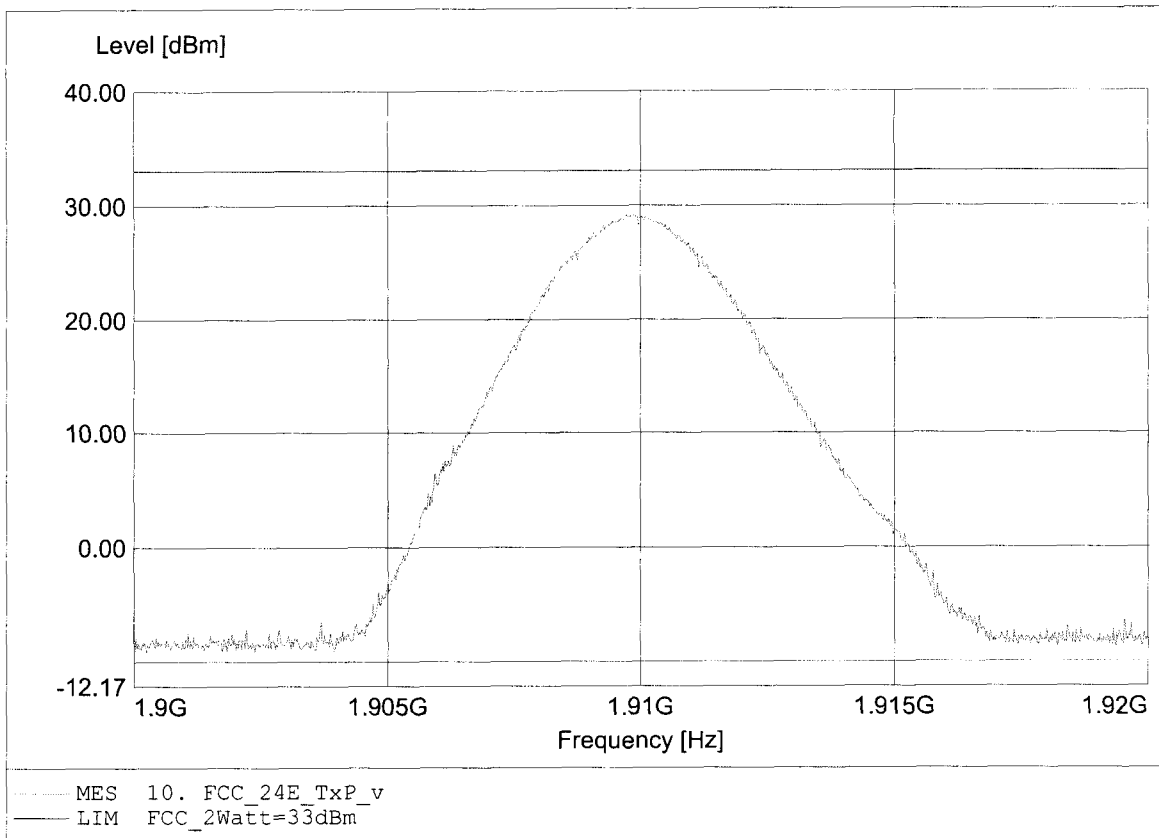
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 661 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0
Comment 2: Freq: 1.880GHz, Pmax: 20.00dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

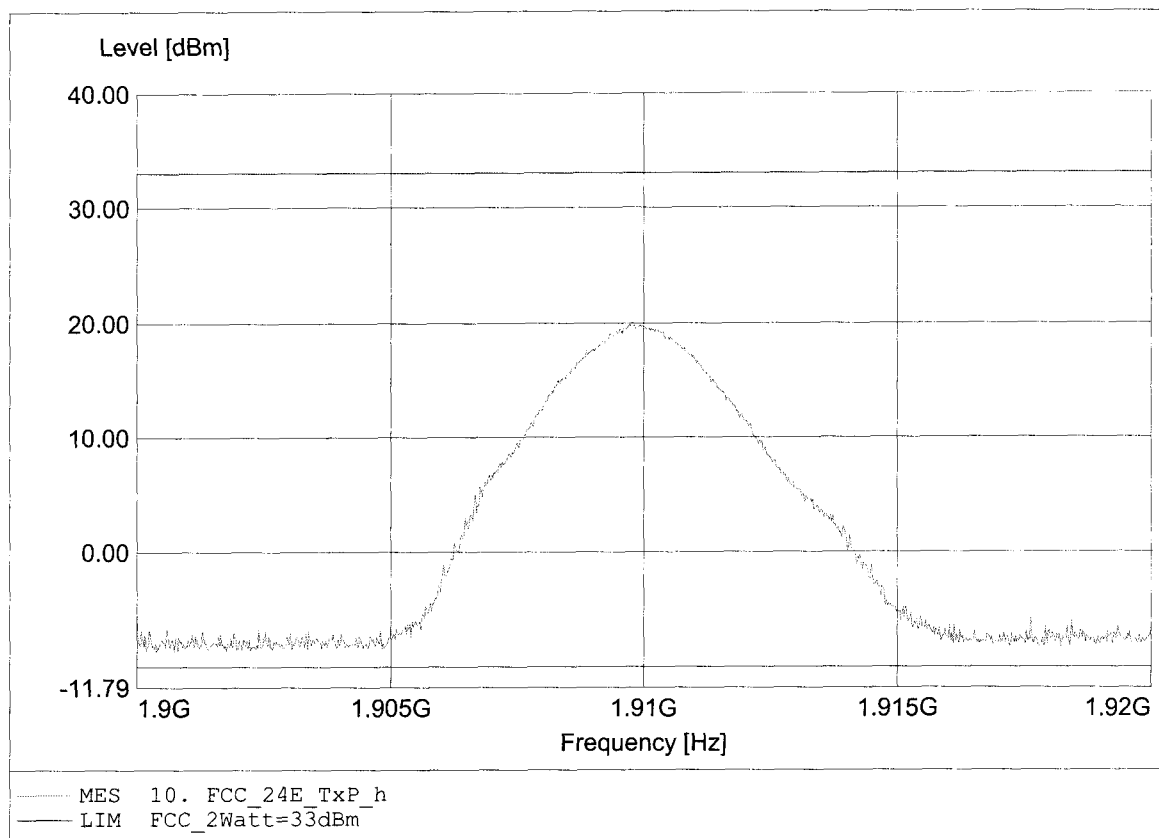
Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 810 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to S24.232
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0
Comment 2: Freq: 1.910GHz, Pmax: 29.19dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM Phone
Model: C610 / Ch.: 810 / EGPRS
Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 25°C / Unom.: 3,7 V DC
Test Specification: according to §24.232
Comment 1: Dist.: 3m, Ant.: HL025,PCL 0
Comment 2: Freq: 1.910GHz, Pmax: 19.86dBm, RBW: 3MHz



Annex D

Occupied bandwidth, emission bandwidth

Test Report No.: G5M208010006-C-2

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

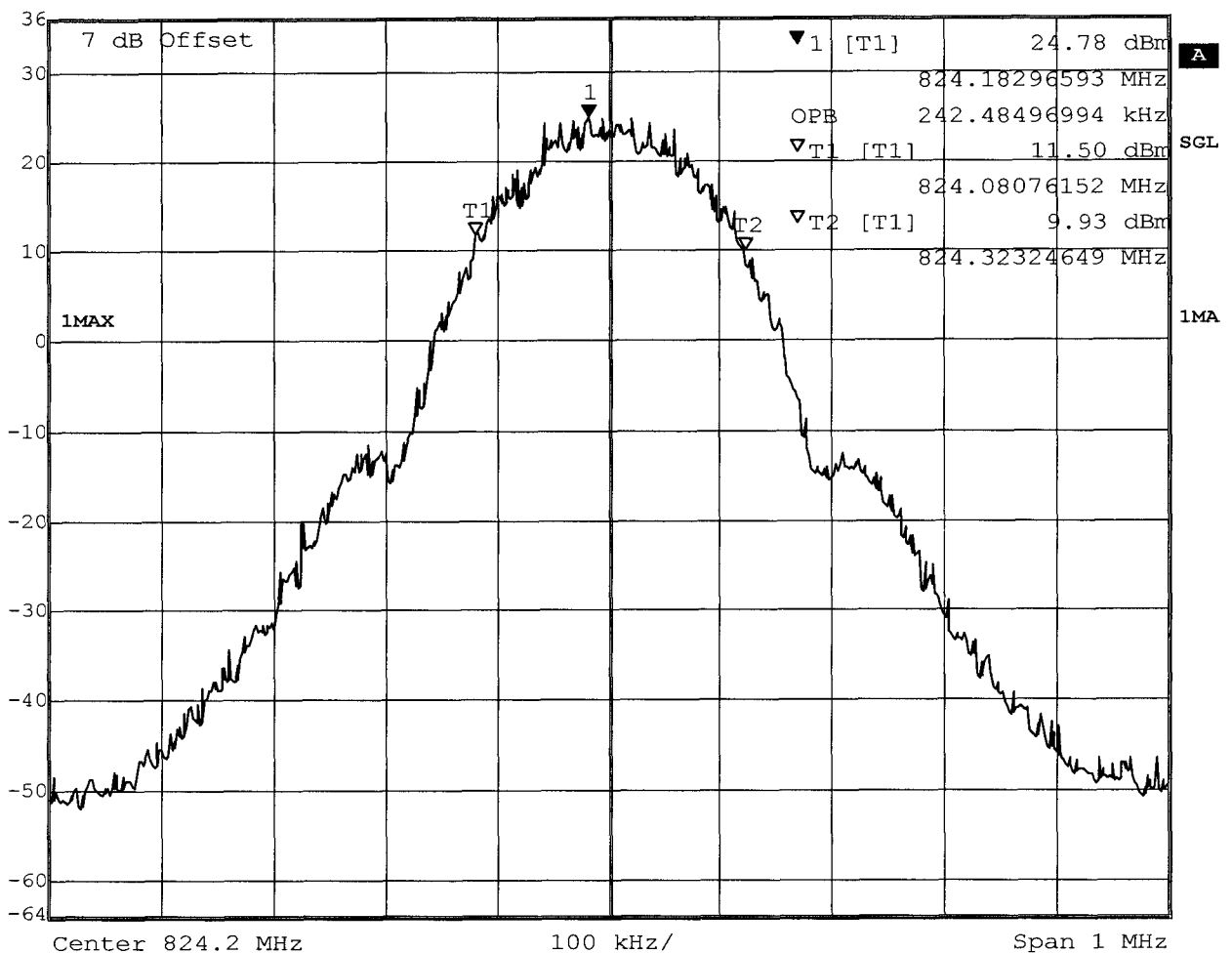
Annex D

**FCC Part 22 H
Occupied Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 128
Comment 2	
Comment 3	



Ref Lvl	Marker 1 [T1]	RBW	3 kHz	RF Att	50 dB
36 dBm	24.78 dBm	VBW	3 kHz		
	824.18296593 MHz	SWT	280 ms	Unit	dBm



Date: 29.APR.2008 08:20:04

Measurement diagram

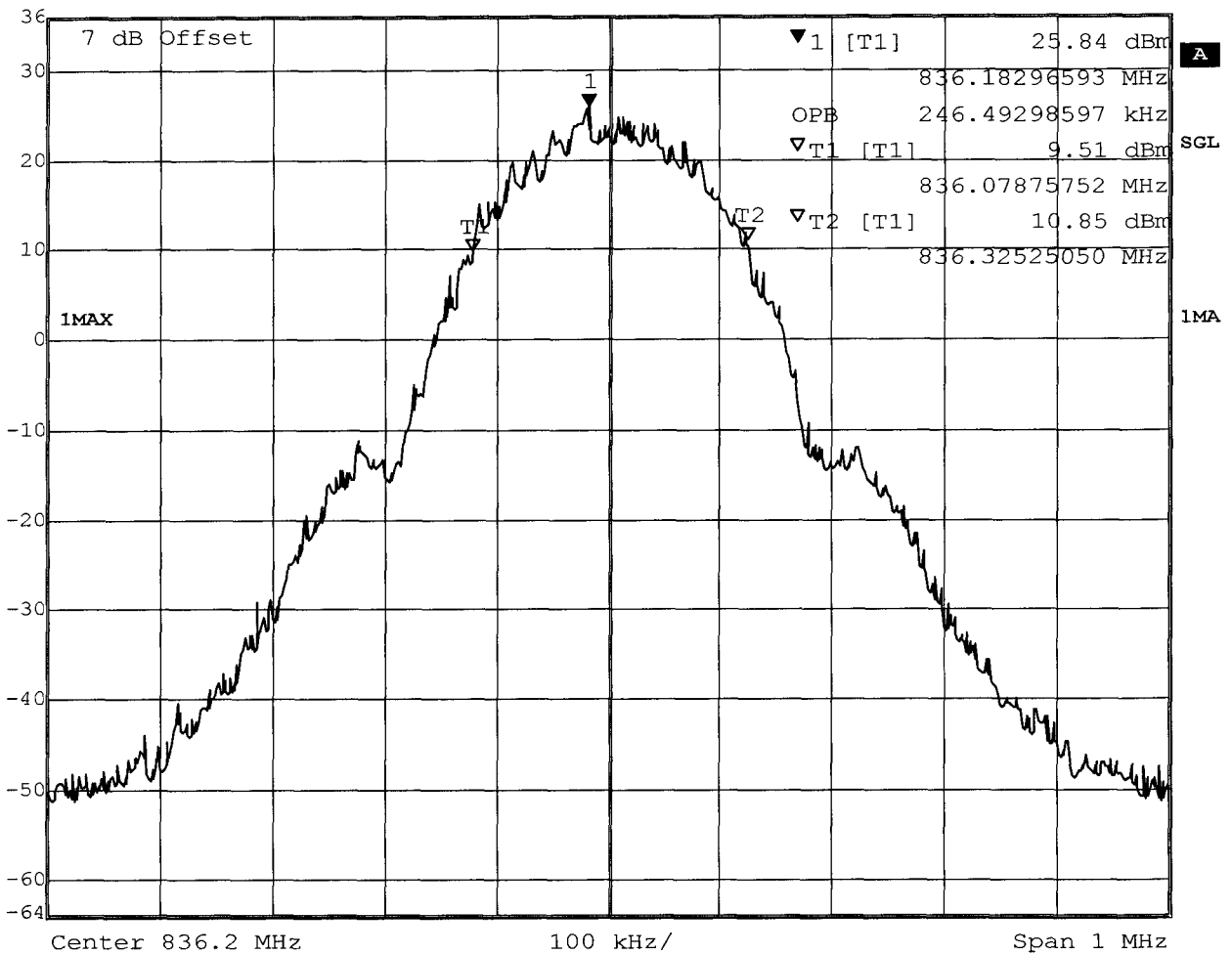
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 22 H
Occupied Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 188
Comment 2	
Comment 3	



Marker 1 [T1]	RBW	3 kHz	RF Att	50 dB
Ref Lvl	25.84 dBm	VBW	3 kHz	
36 dBm	836.18296593 MHz	SWT	280 ms	Unit dBm



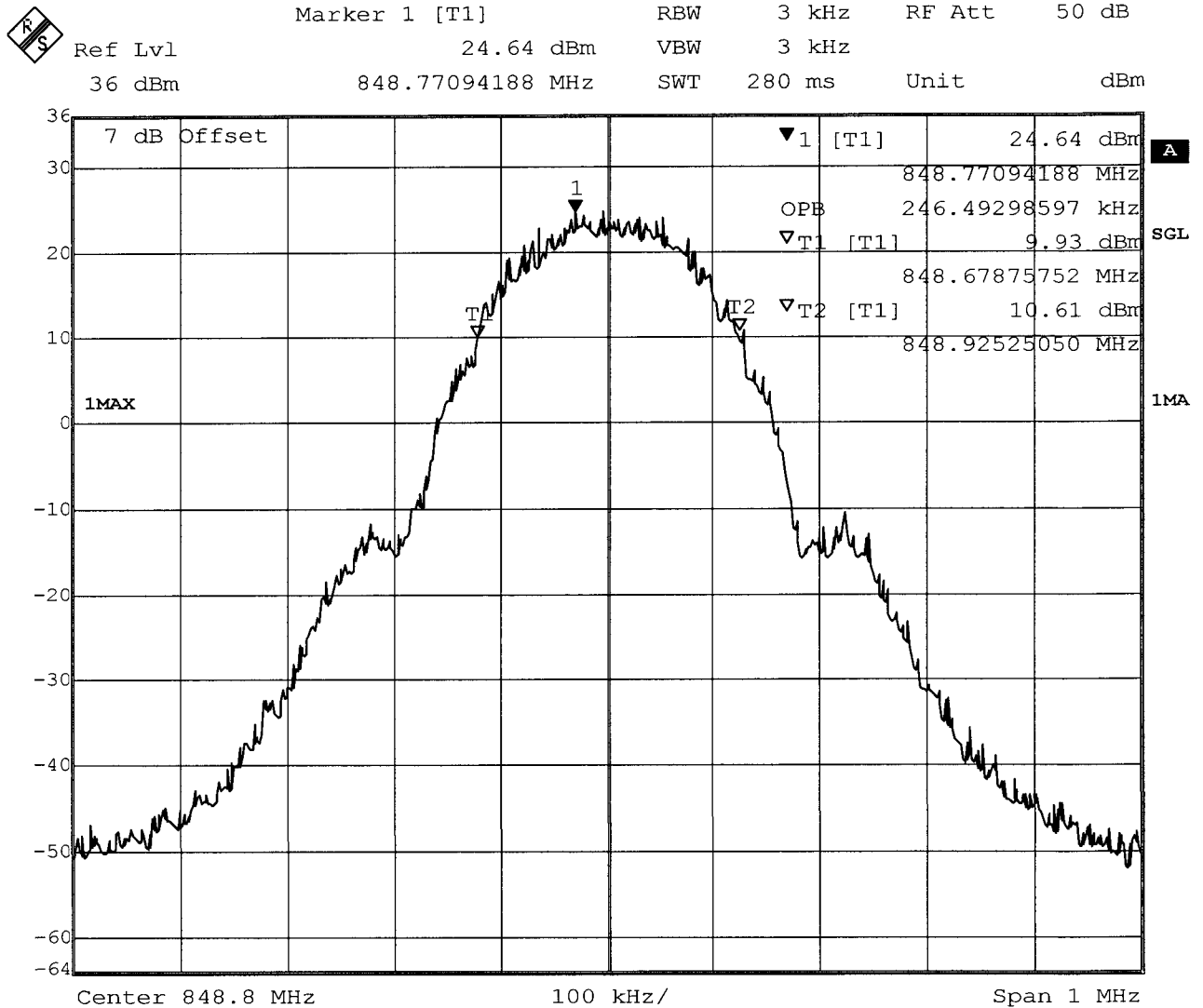
Date: 29.APR.2008 08:32:57

Measurement diagram

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

**FCC Part 22 H
Occupied Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 251
Comment 2	
Comment 3	



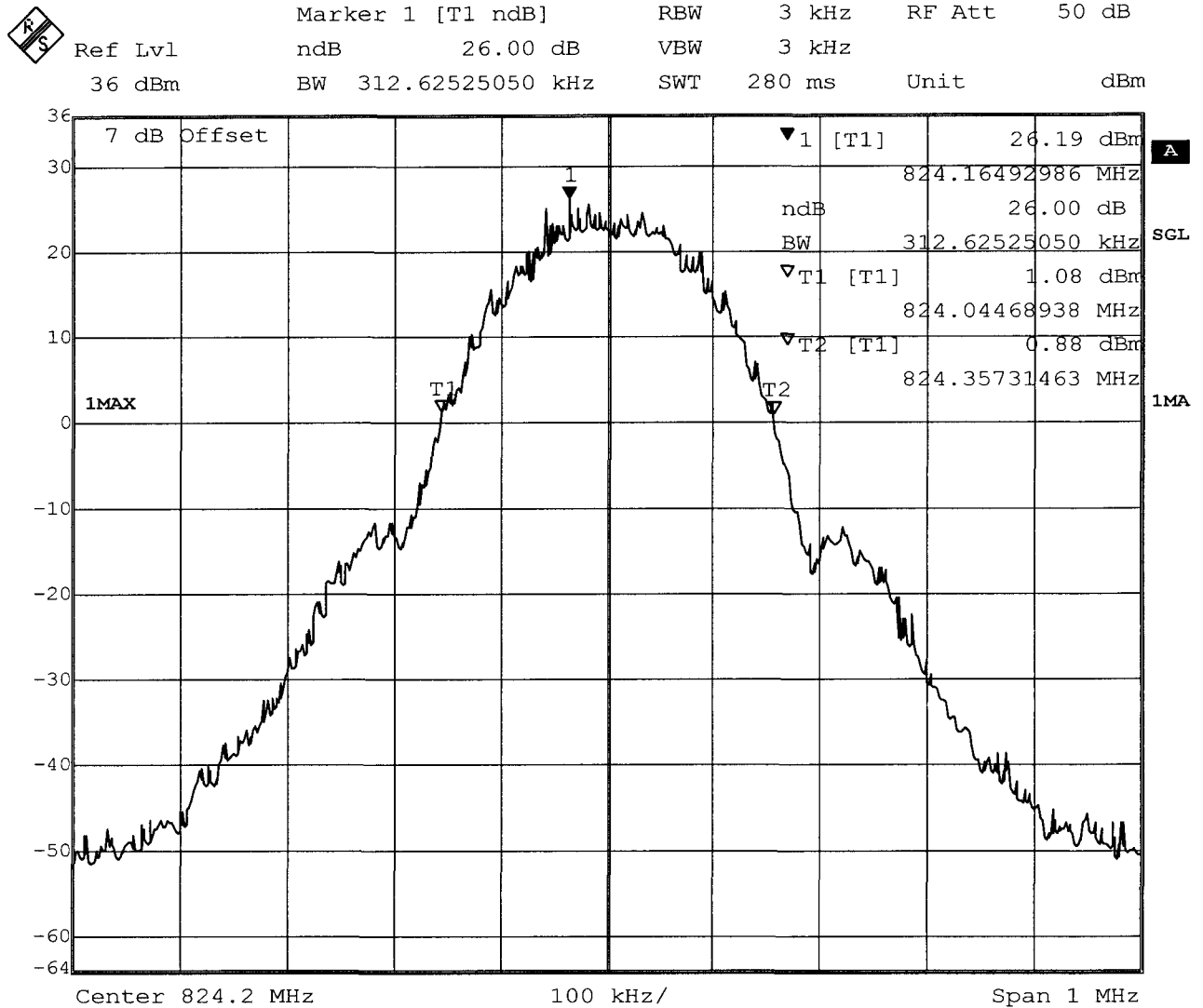
Date: 29.APR.2008 08:40:41

Measurement diagram

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

**FCC Part 22 H
Emission Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 128
Comment 2	-26 dB Emission Bandwidth
Comment 3	



Date: 29.APR.2008 08:28:18

Measurement diagram

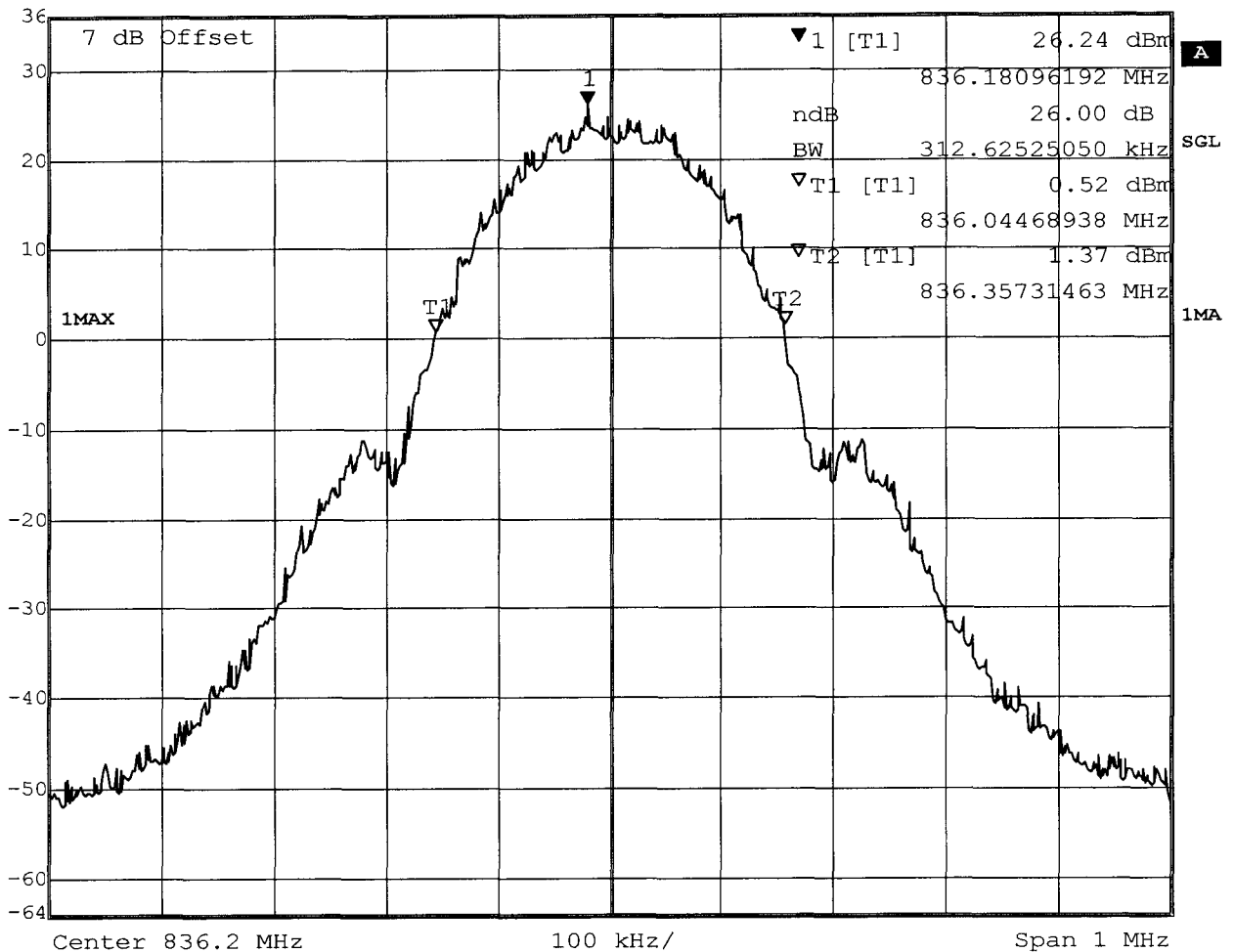
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 22 H
Emission Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 188
Comment 2	-26 dB Emission Bandwidth
Comment 3	



Marker 1 [T1 ndB]	RBW	3 kHz	RF Att	50 dB
Ref Lvl	ndB	26.00 dB	VBW	3 kHz
36 dBm	BW	312.62525050 kHz	SWT	280 ms
			Unit	dBm



Date: 29.APR.2008 08:31:03

Measurement diagram

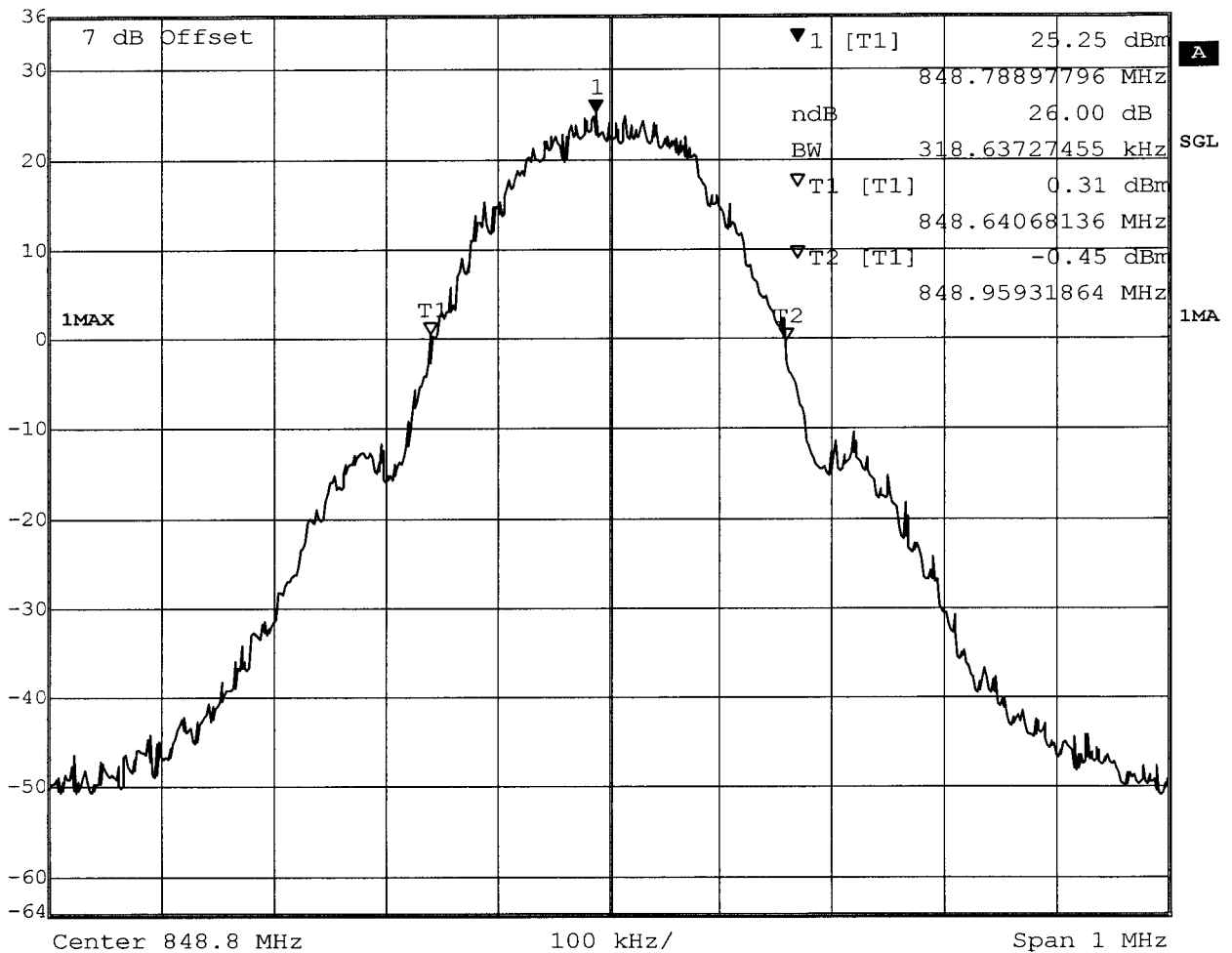
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 22 H
Emission Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 251
Comment 2	-26 dB Emission Bandwidth
Comment 3	



Ref Lvl	36 dBm	Marker 1 [T1 ndB]	ndB	26.00 dB	RBW	3 kHz	RF Att	50 dB
		BW	318.63727455 kHz		VBW	3 kHz	Unit	dBm
		SWT	280 ms					



Date: 29.APR.2008 08:48:27

Measurement diagram

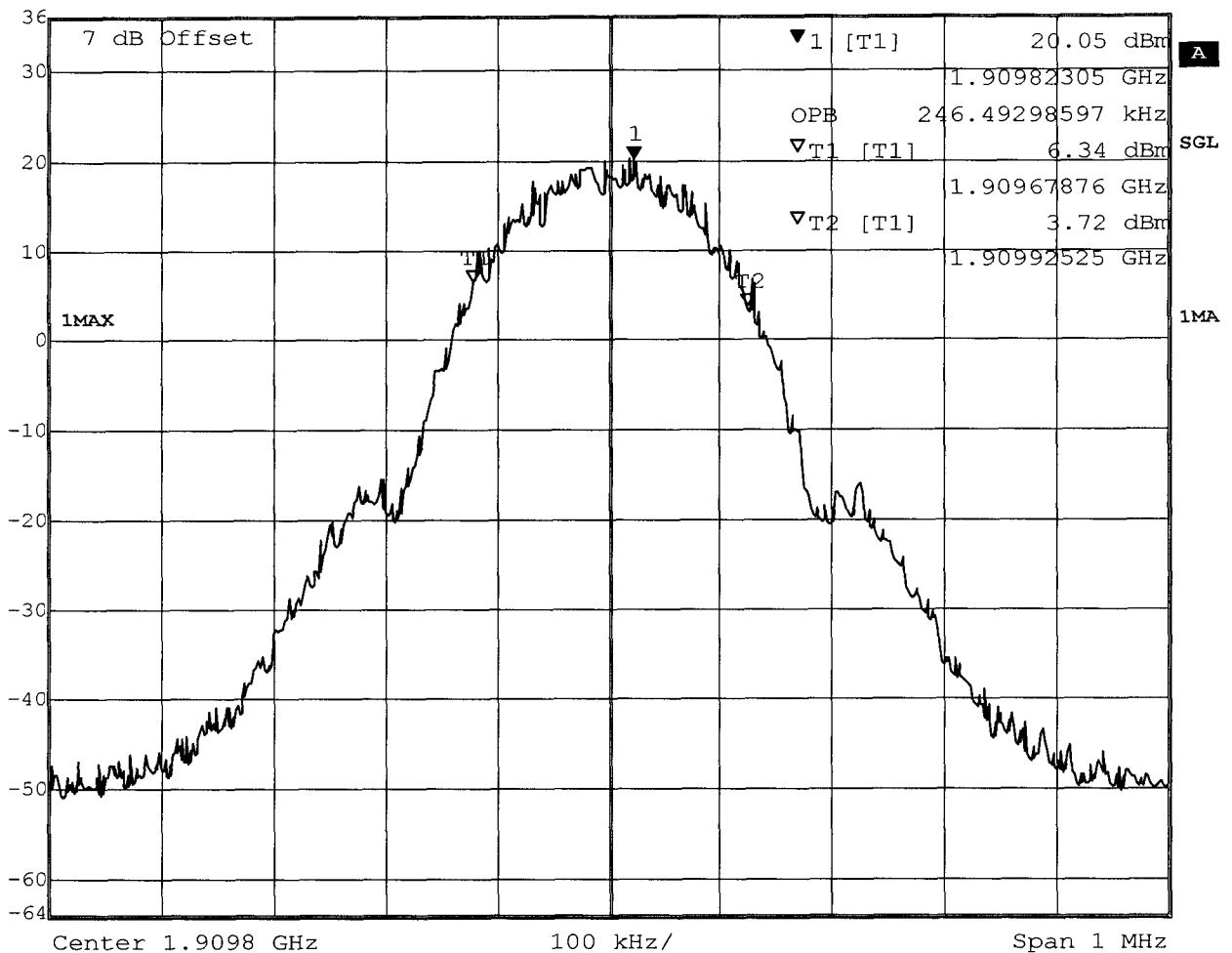
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 24 E
Occupied Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 810
Comment 2	
Comment 3	



Ref Lvl	Marker 1 [T1]	RBW	3 kHz	RF Att	50 dB
36 dBm	20.05 dBm	VBW	3 kHz		
	1.90982305 GHz	SWT	280 ms	Unit	dBm



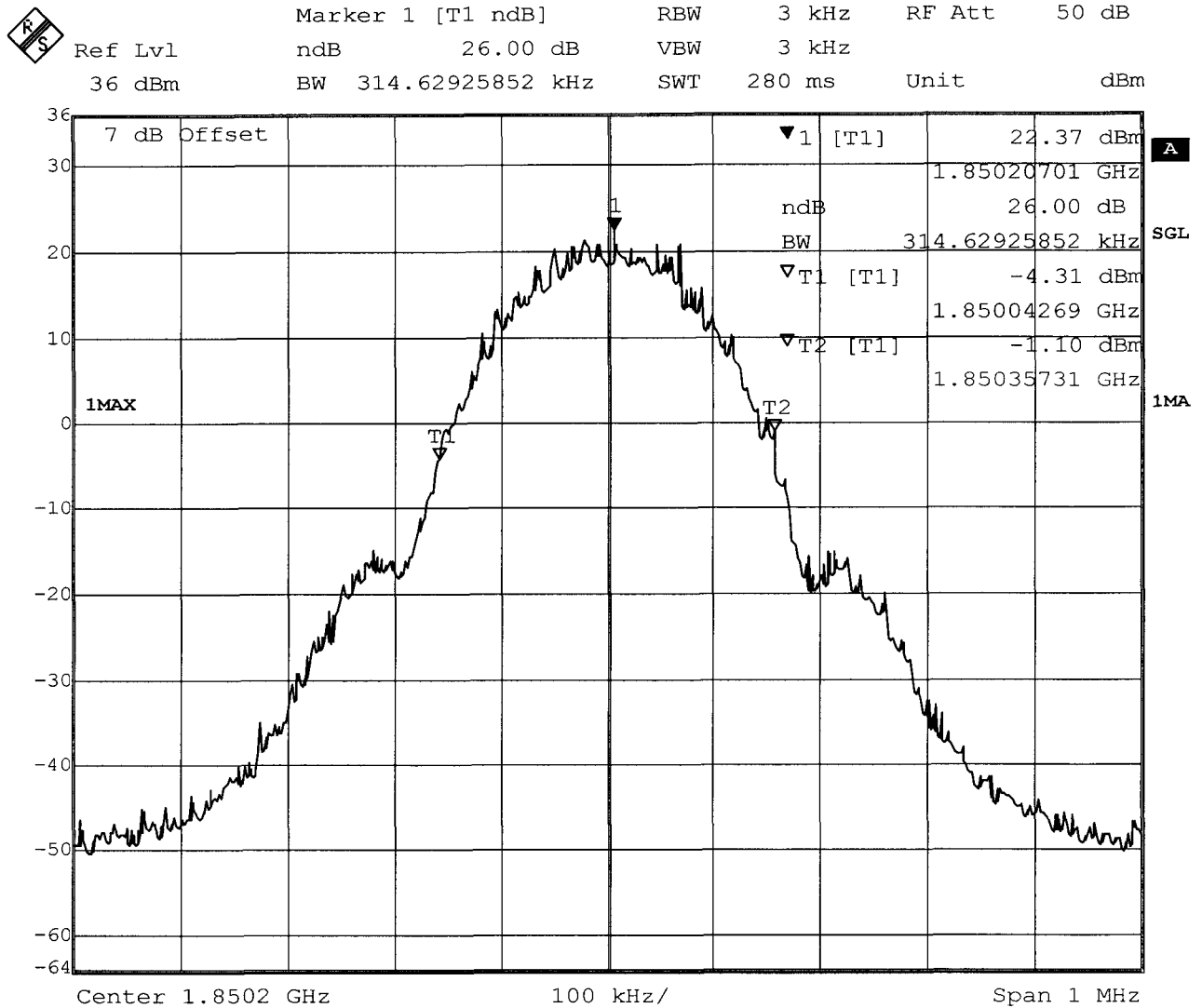
Date: 29.APR.2008 09:31:22

Measurement diagram

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

**FCC Part 24 E
Emission Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 512
Comment 2	-26 dB Emission Bandwidth
Comment 3	



Date: 29.APR.2008 09:24:16

Measurement diagram

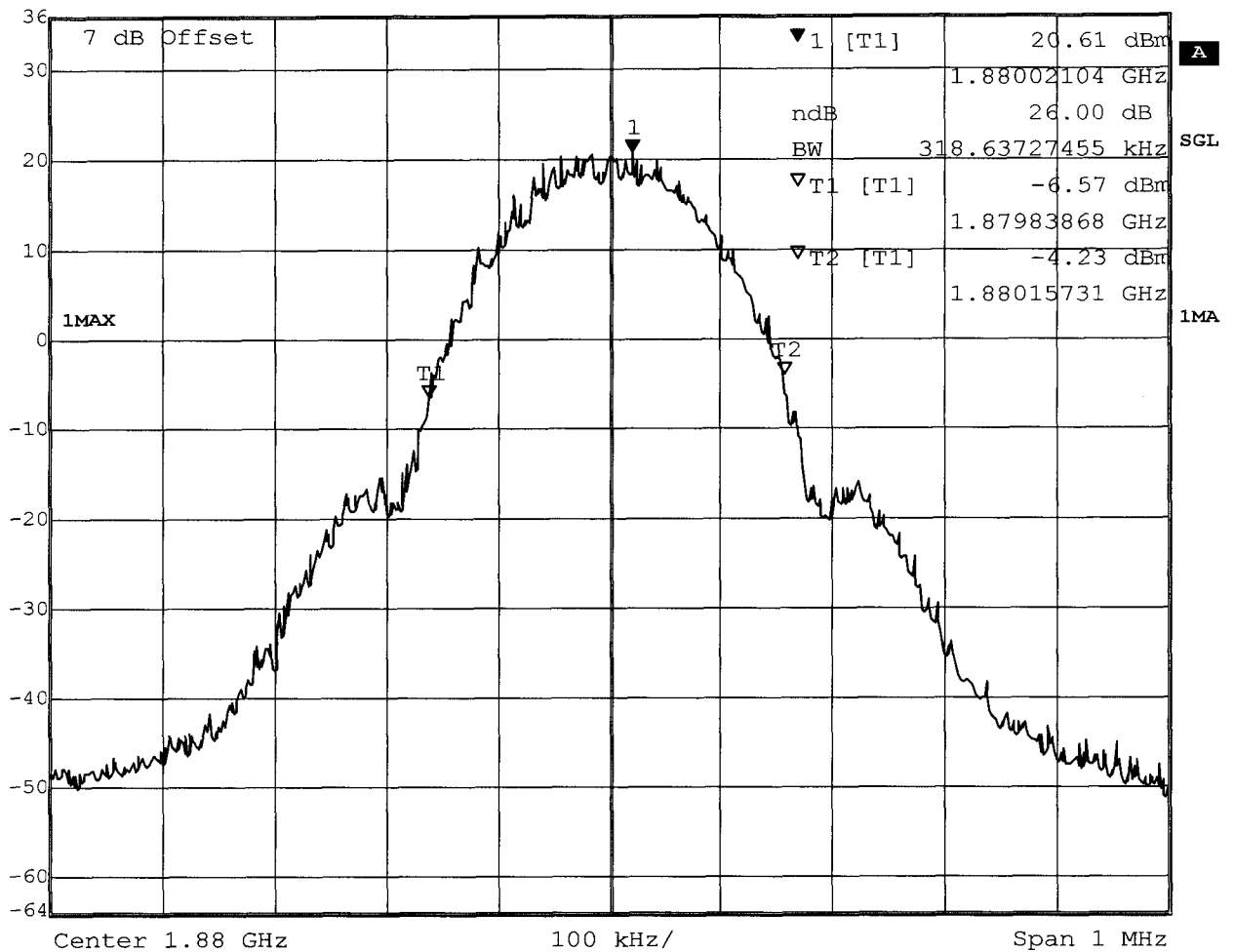
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 24 E
Emission Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 661
Comment 2	-26 dB Emission Bandwidth
Comment 3	



Marker 1 [T1 ndB]	RBW	3 kHz	RF Att	50 dB
Ref Lvl	ndB	26.00 dB	VBW	3 kHz
36 dBm	BW	318.63727455 kHz	SWT	280 ms
			Unit	dBm



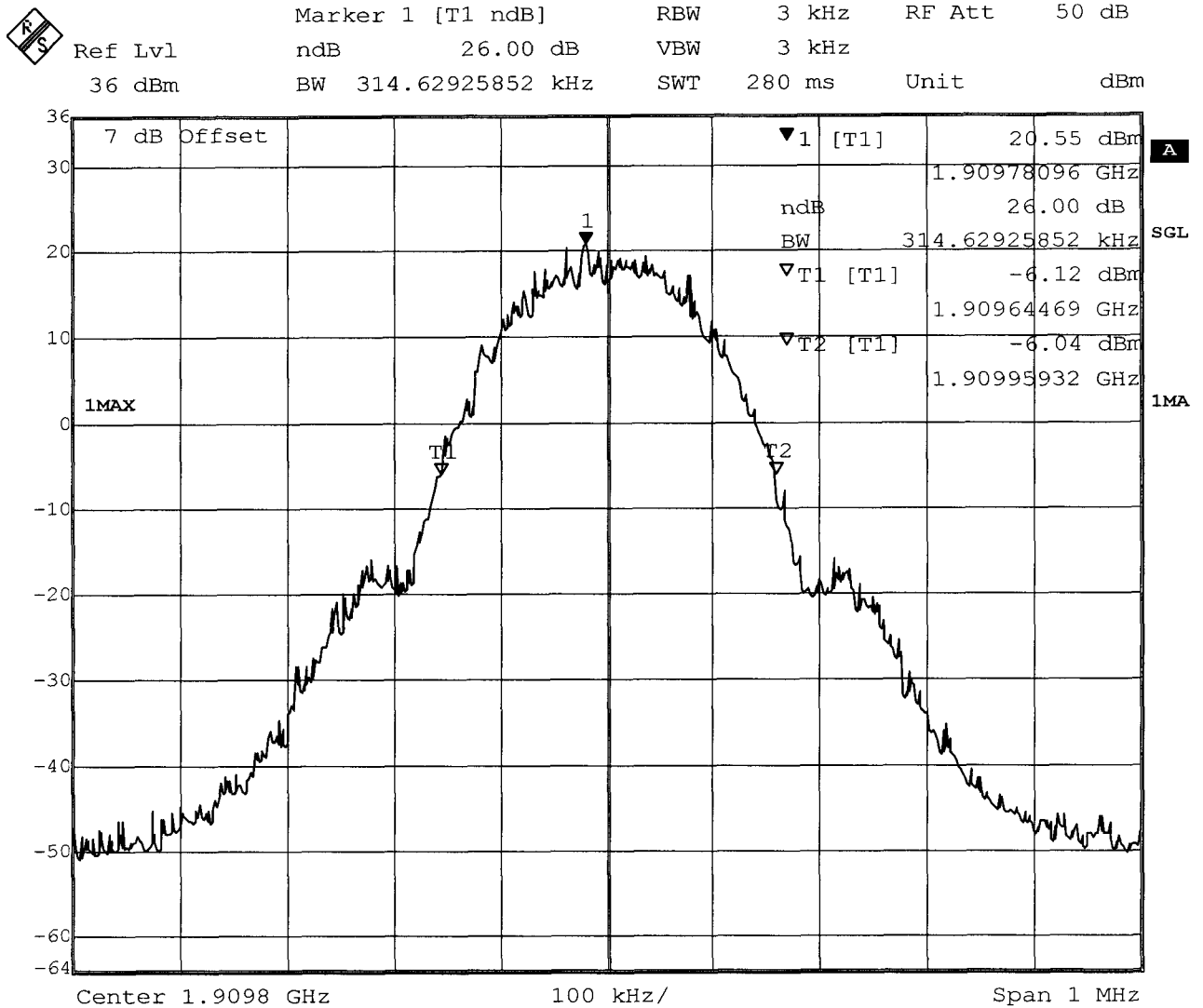
Date: 29.APR.2008 09:25:44

Measurement diagram

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

**FCC Part 24 E
Emission Bandwidth**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 810
Comment 2	-26 dB Emission Bandwidth
Comment 3	



Date: 29.APR.2008 09:34:37

Measurement diagram

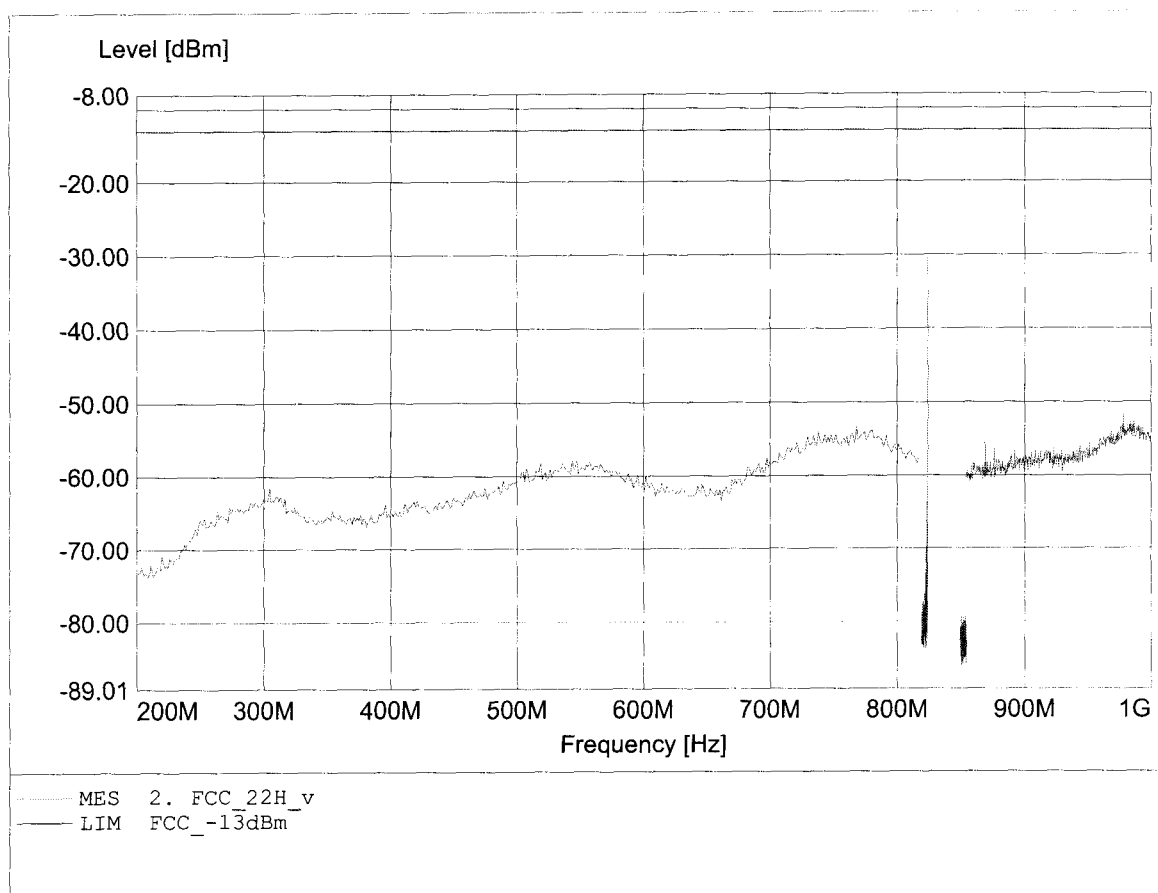
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Appendix E

Spurious emission radiated

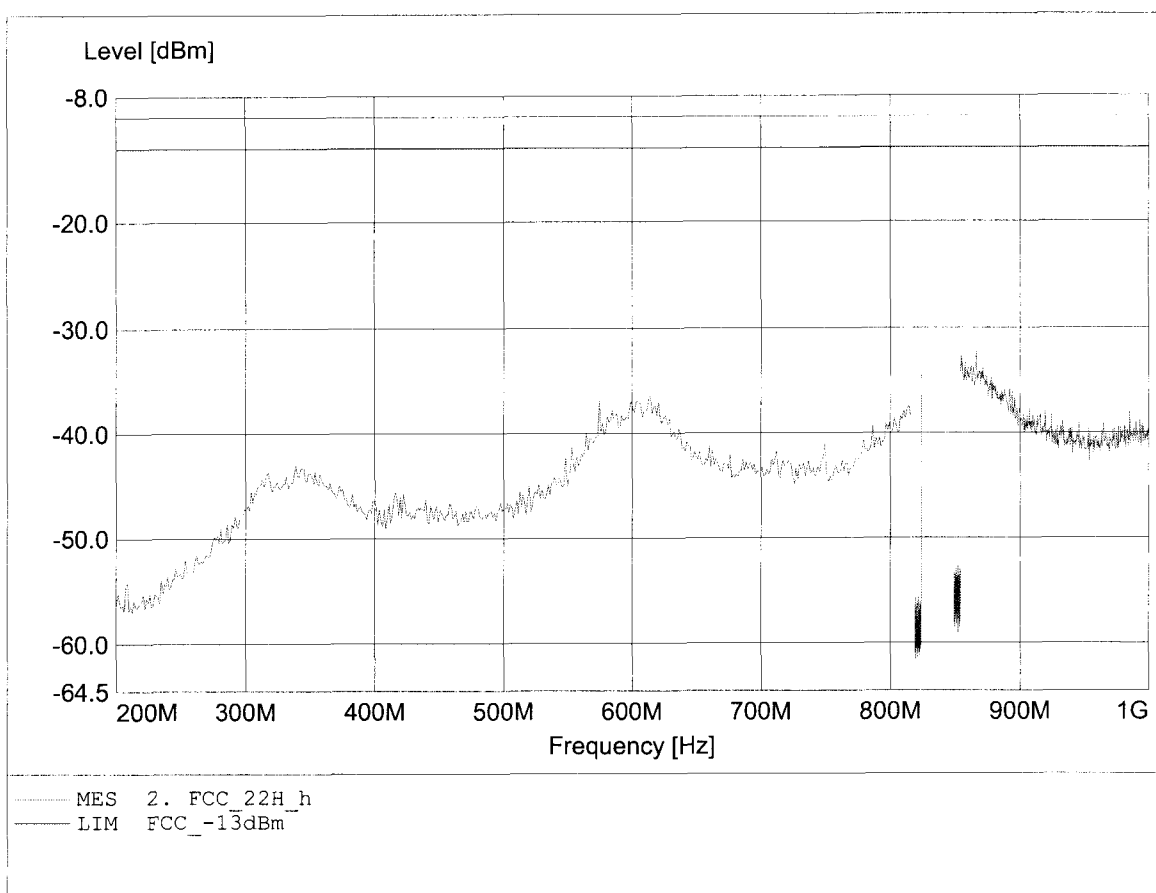
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 128 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 823.970MHz, Pmax: -30.42dBm, RBW: 100kHz



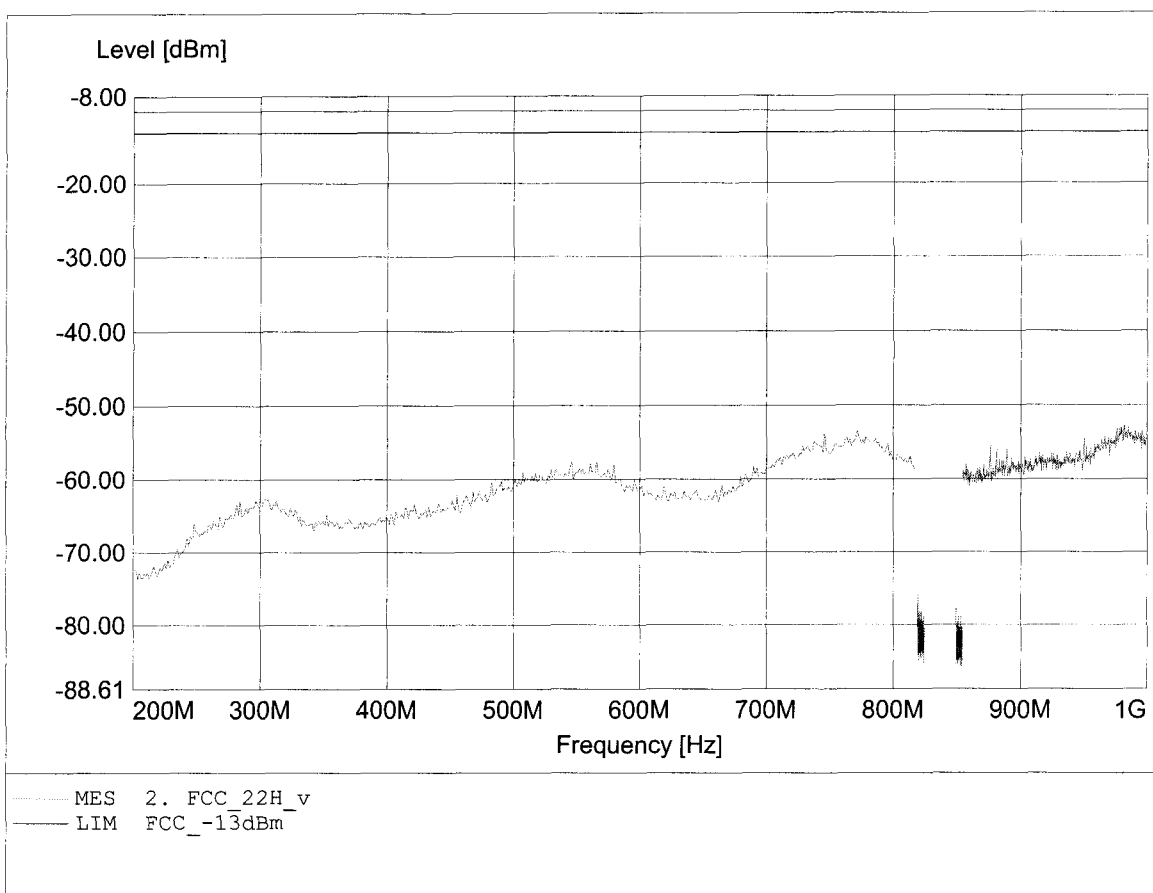
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 128 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 866.289MHz, Pmax: -32.27dBm, RBW: 100kHz



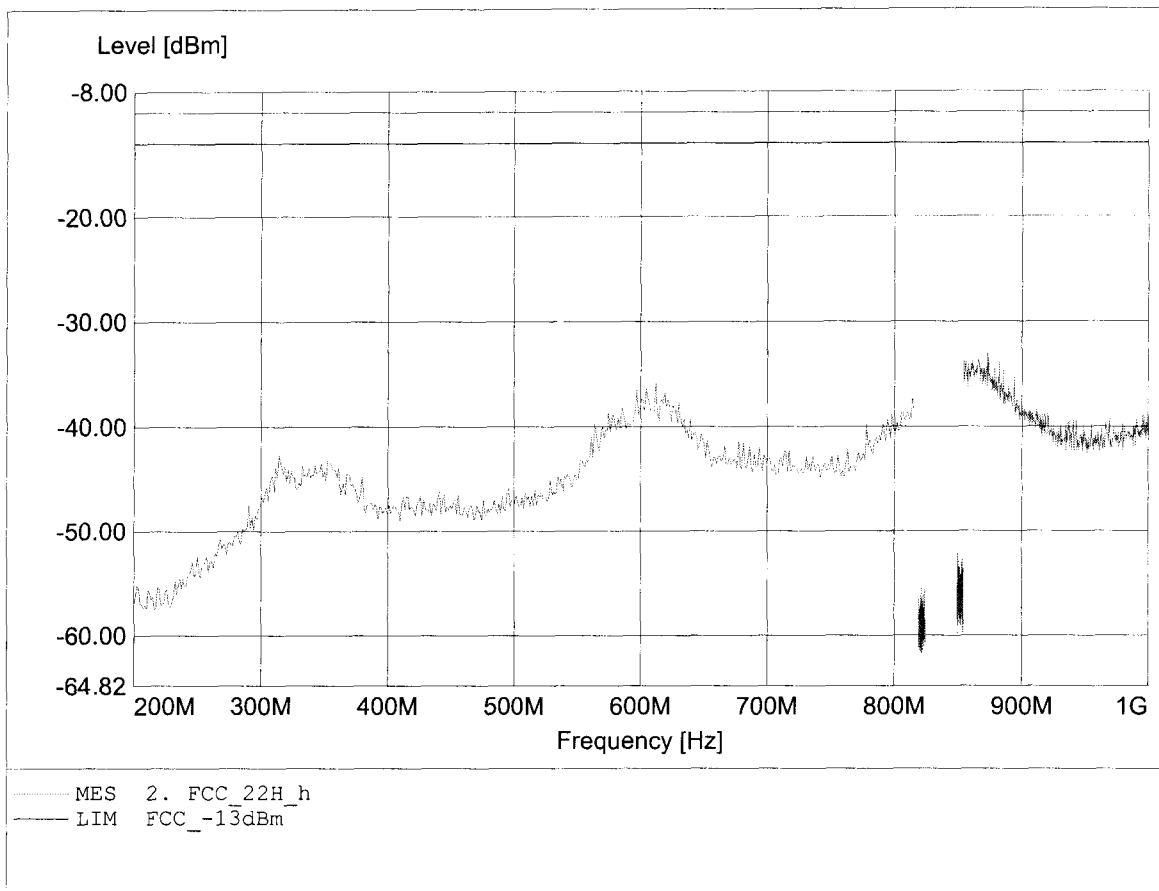
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 188 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 982.152MHz, Pmax: -52.66dBm, RBW: 100kHz



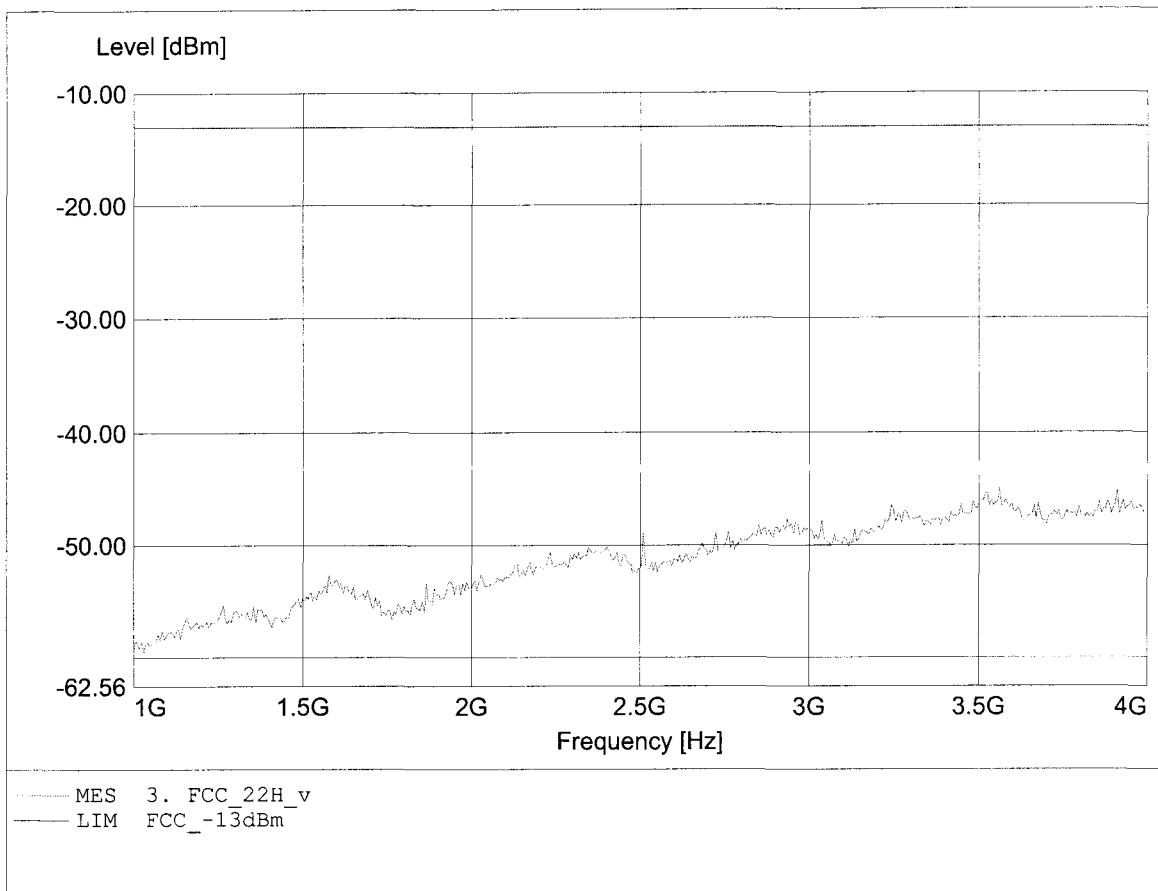
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 188 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 872.725MHz, Pmax: -33.08dBm, RBW: 100kHz



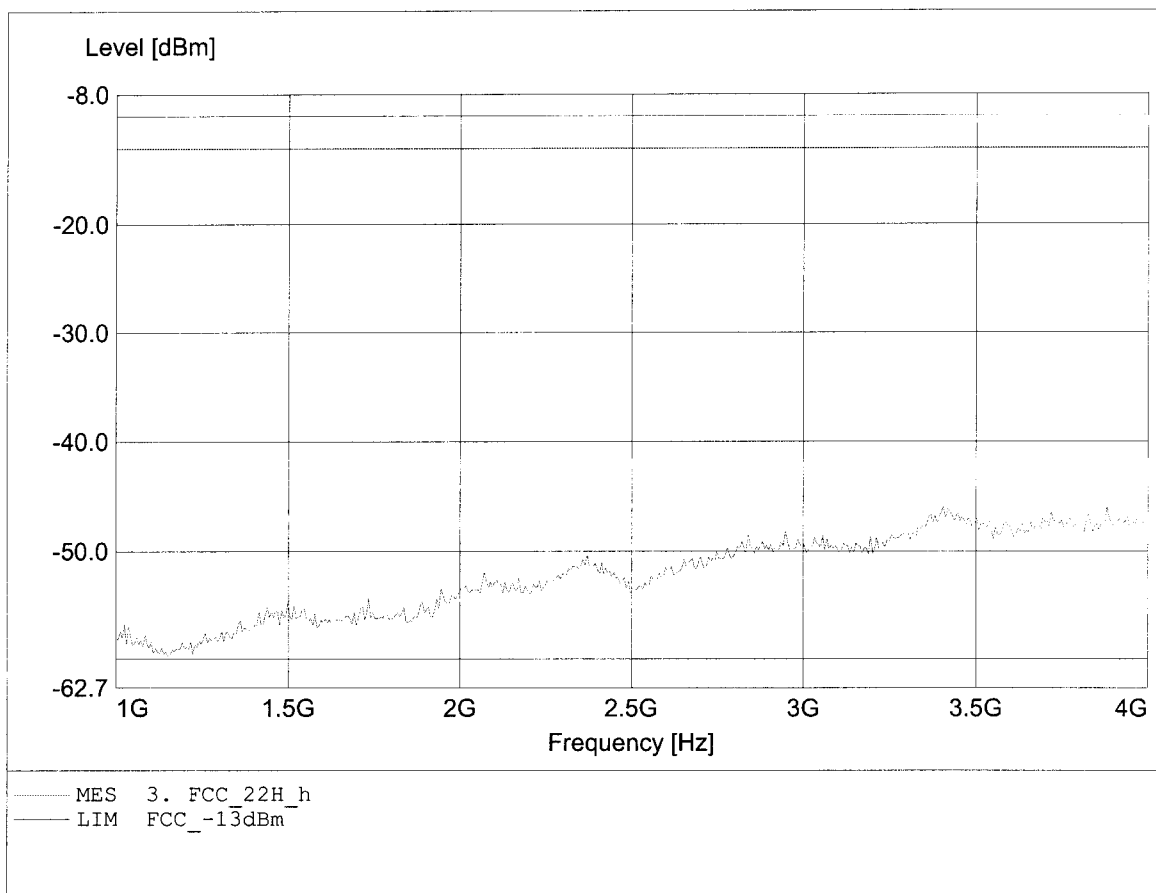
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 188 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 3.561GHz, Pmax: -44.98dBm, RBW: 1MHz



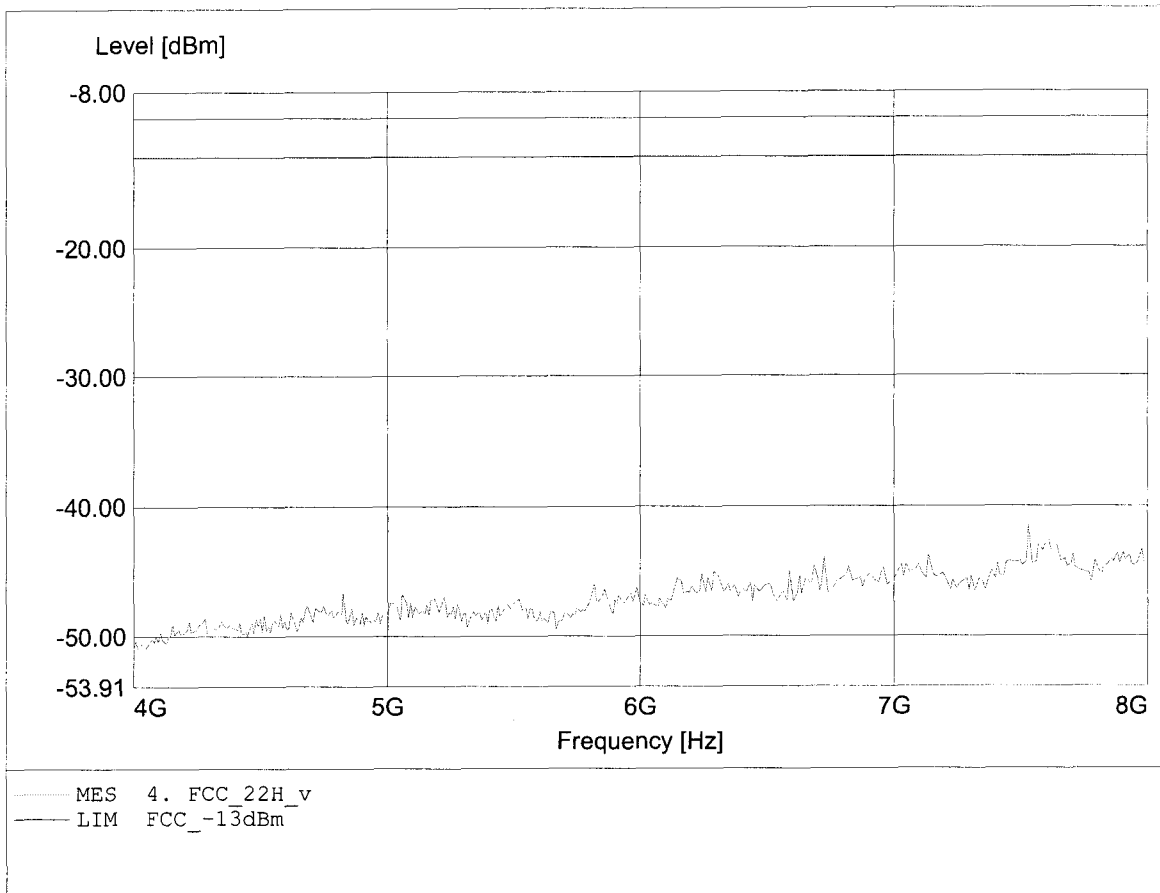
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 188 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 3.880GHz, Pmax: -45.93dBm, RBW: 1MHz



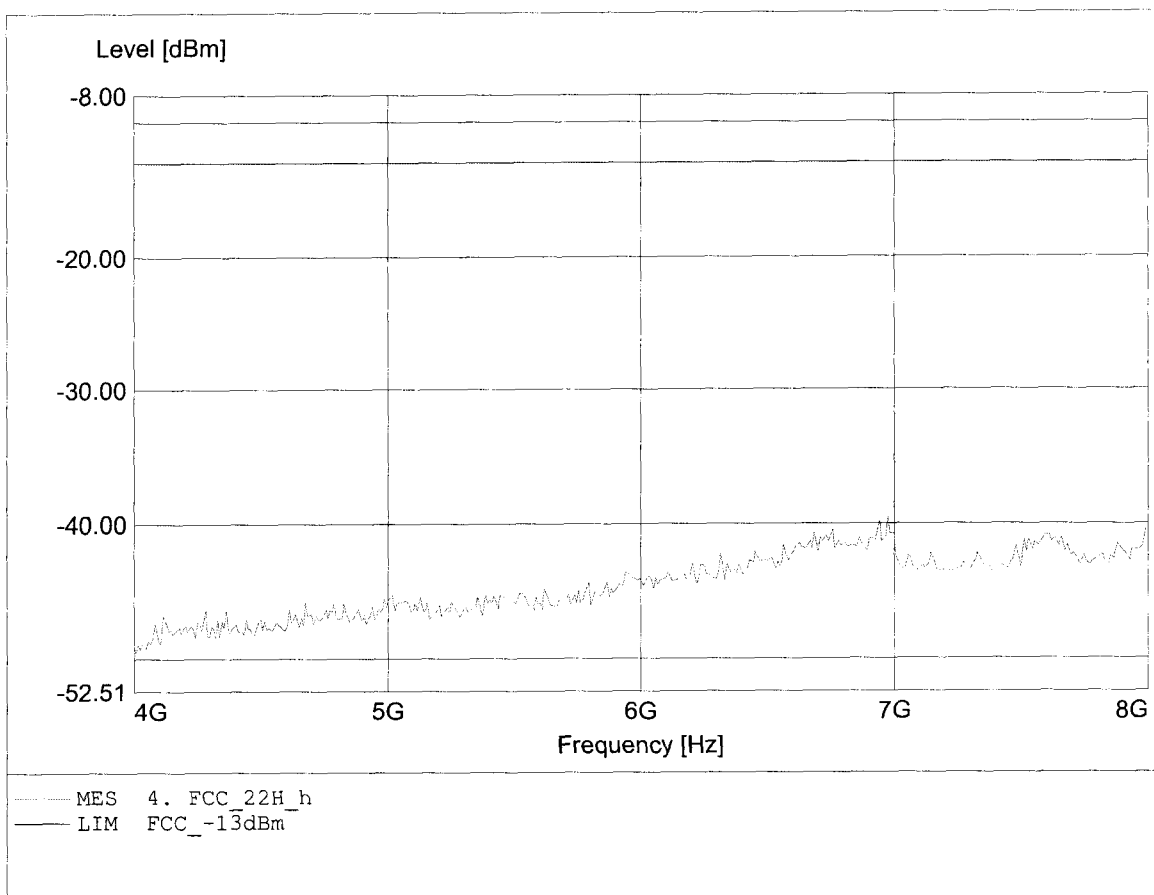
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 188 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.527GHz, Pmax: -41.52dBm, RBW: 1MHz



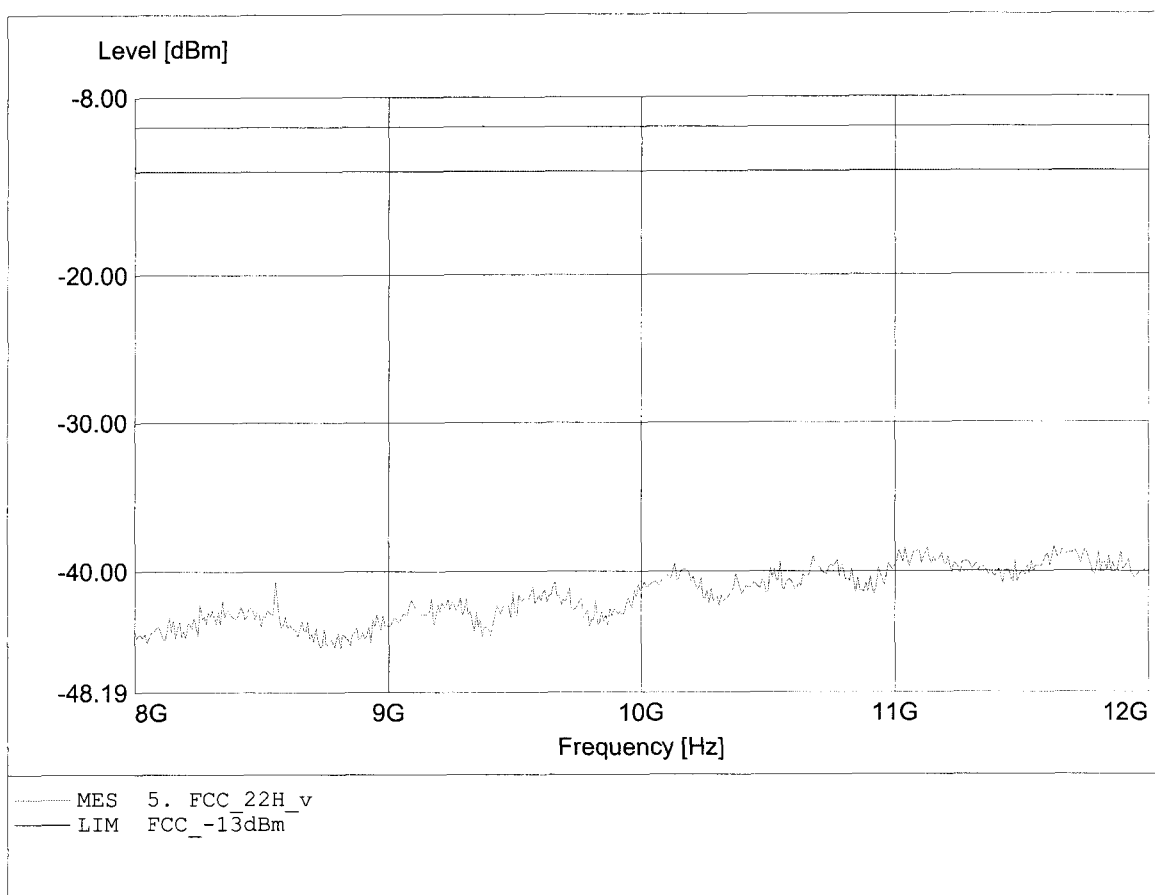
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 188 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 6.974GHz, Pmax: -39.52dBm, RBW: 1MHz



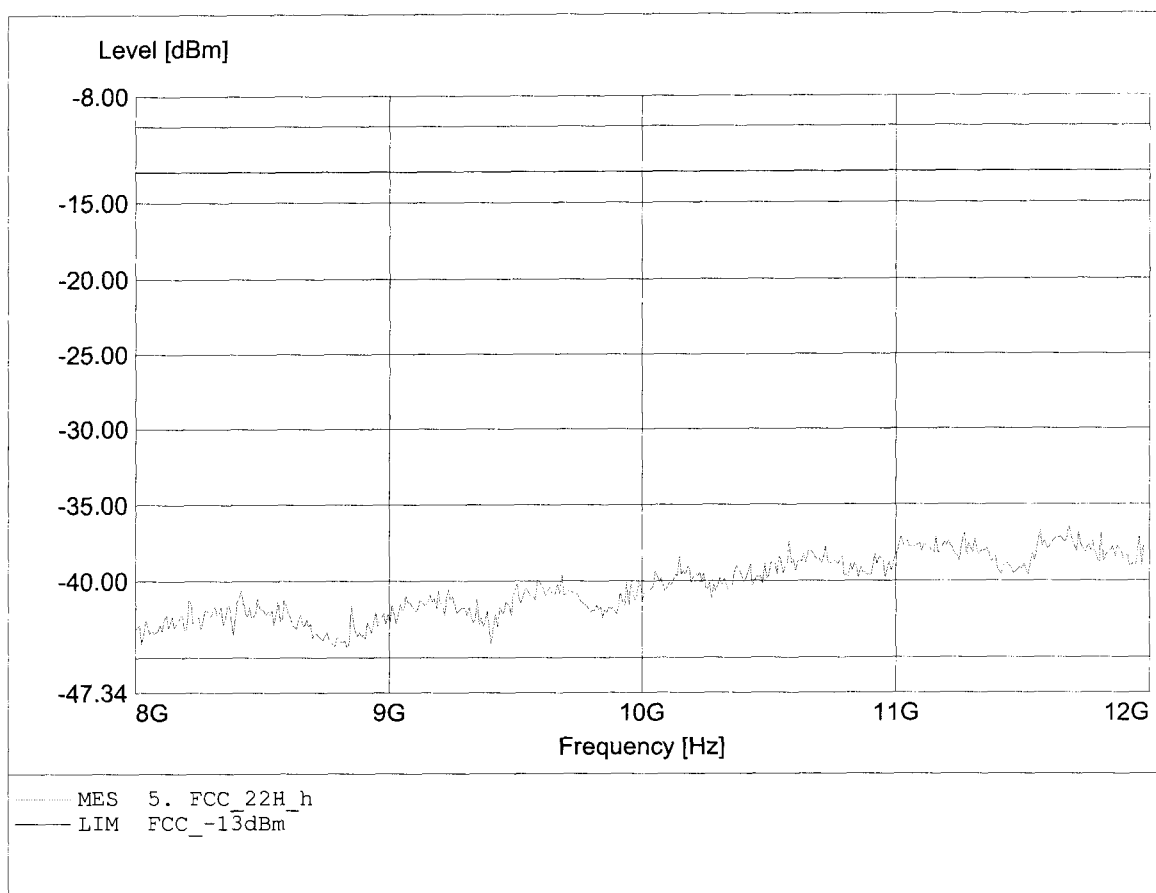
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 188 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.623GHz, Pmax: -38.33dBm, RBW: 1MHz



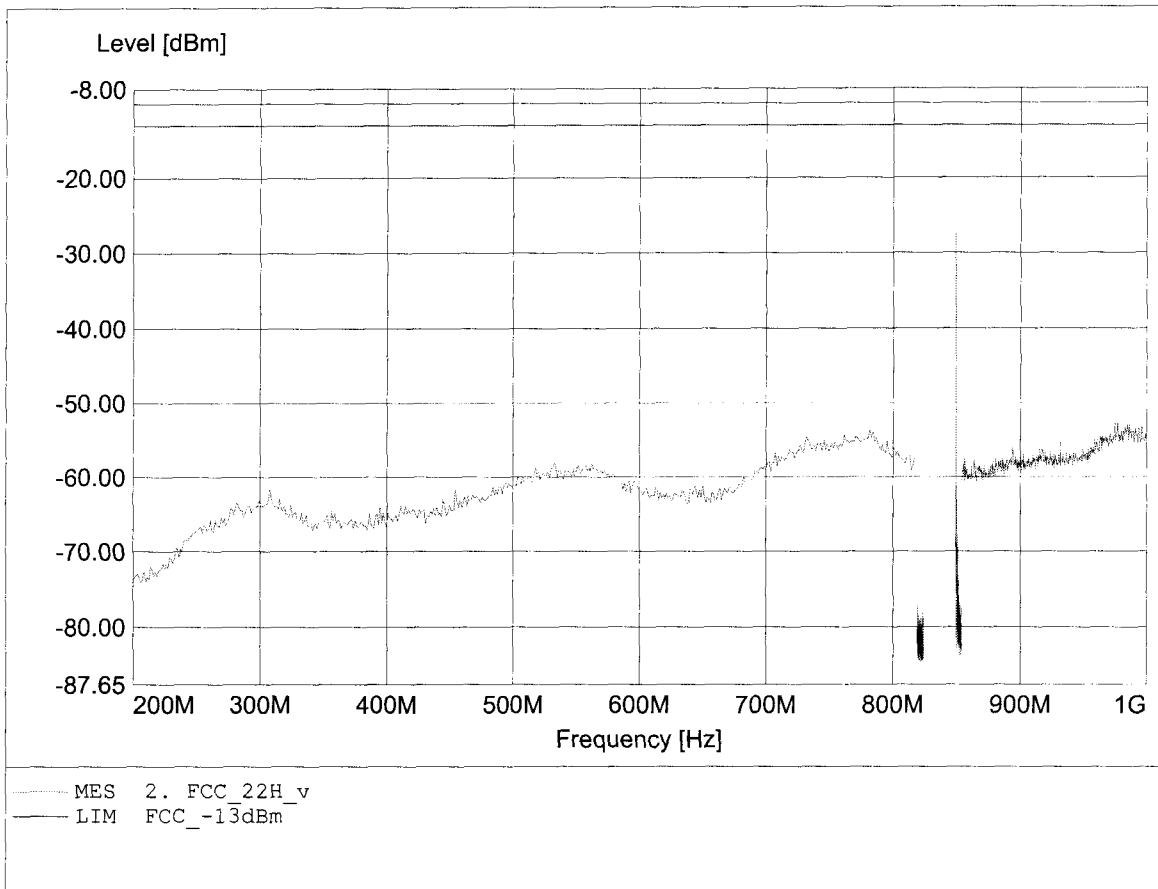
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 188 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.679GHz, Pmax: -36.42dBm, RBW: 1MHz



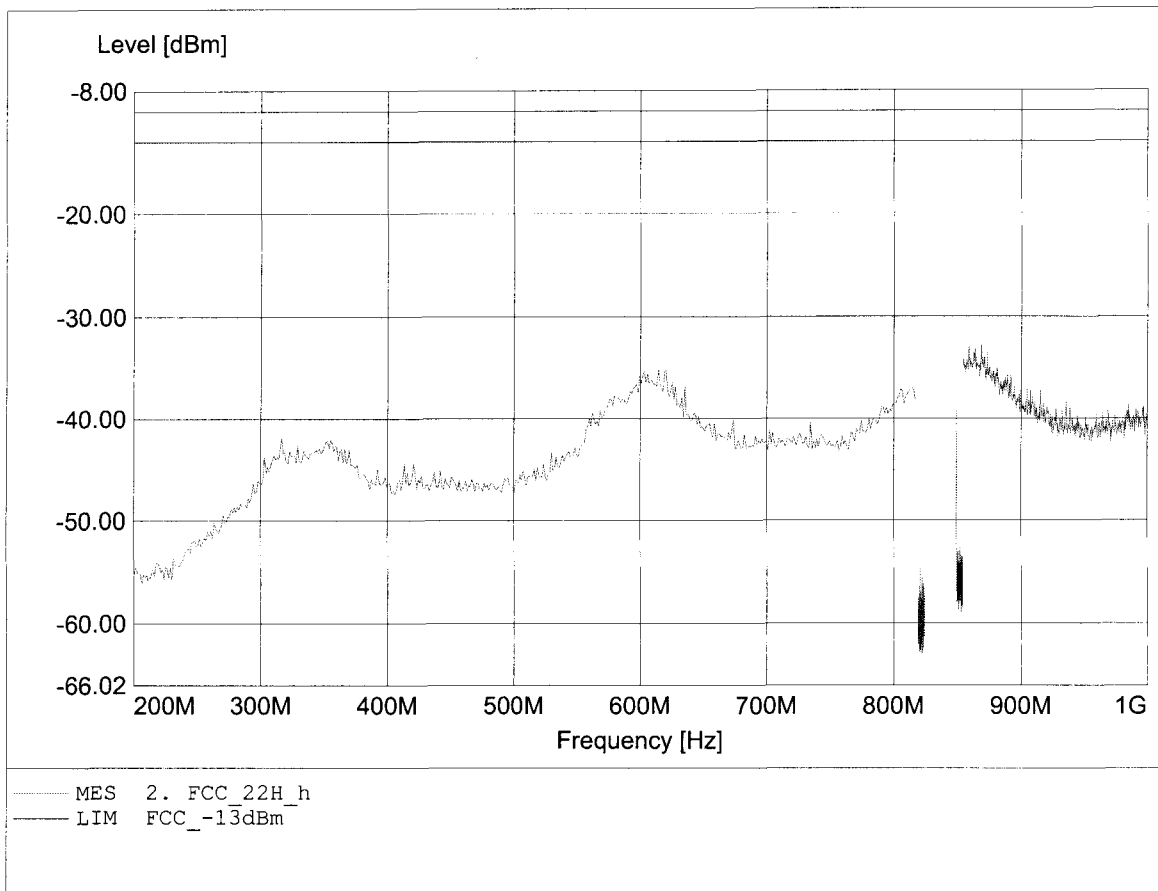
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 251 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 849.000MHz, Pmax: -27.41dBm, RBW: 100kHz



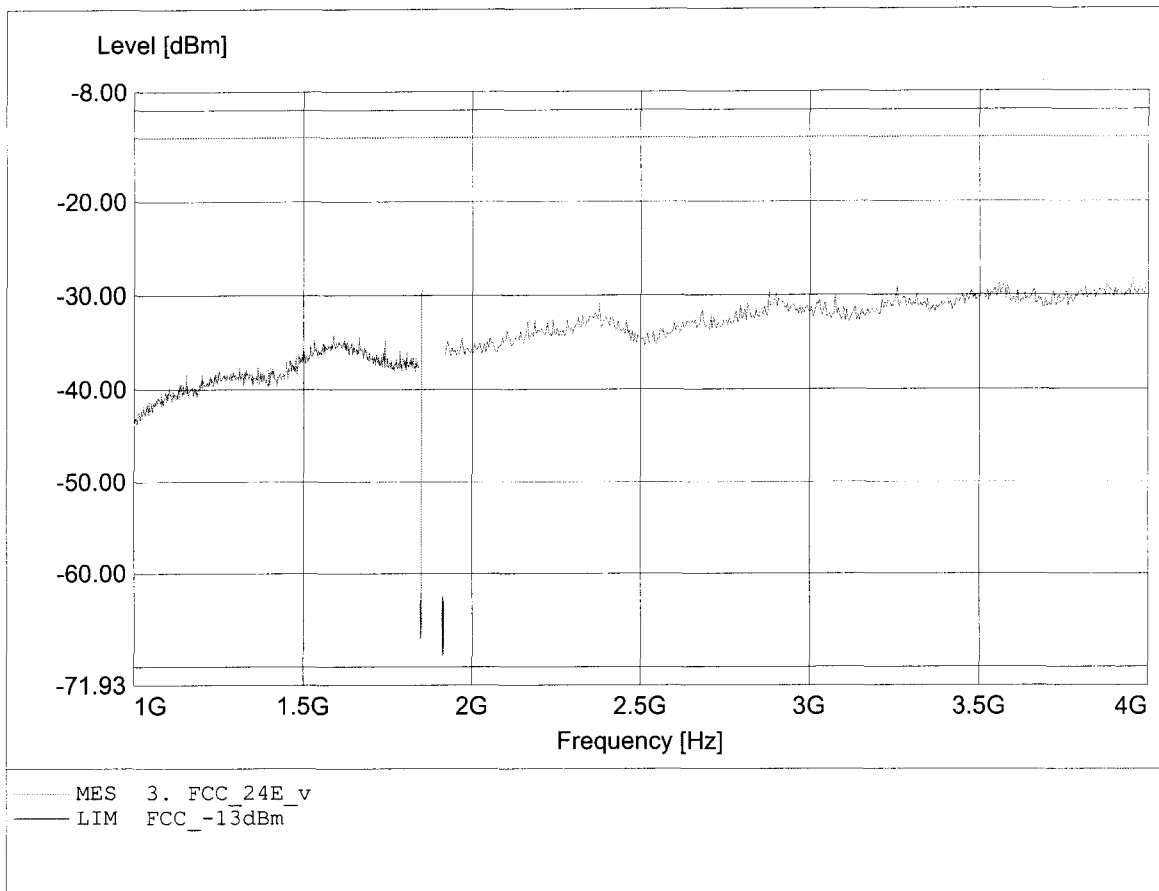
Radiated Emissions Tx
FCC RULES PART 22 SUBPART H

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 251 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §22.917
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 868.629MHz, Pmax: -32.84dBm, RBW: 100kHz



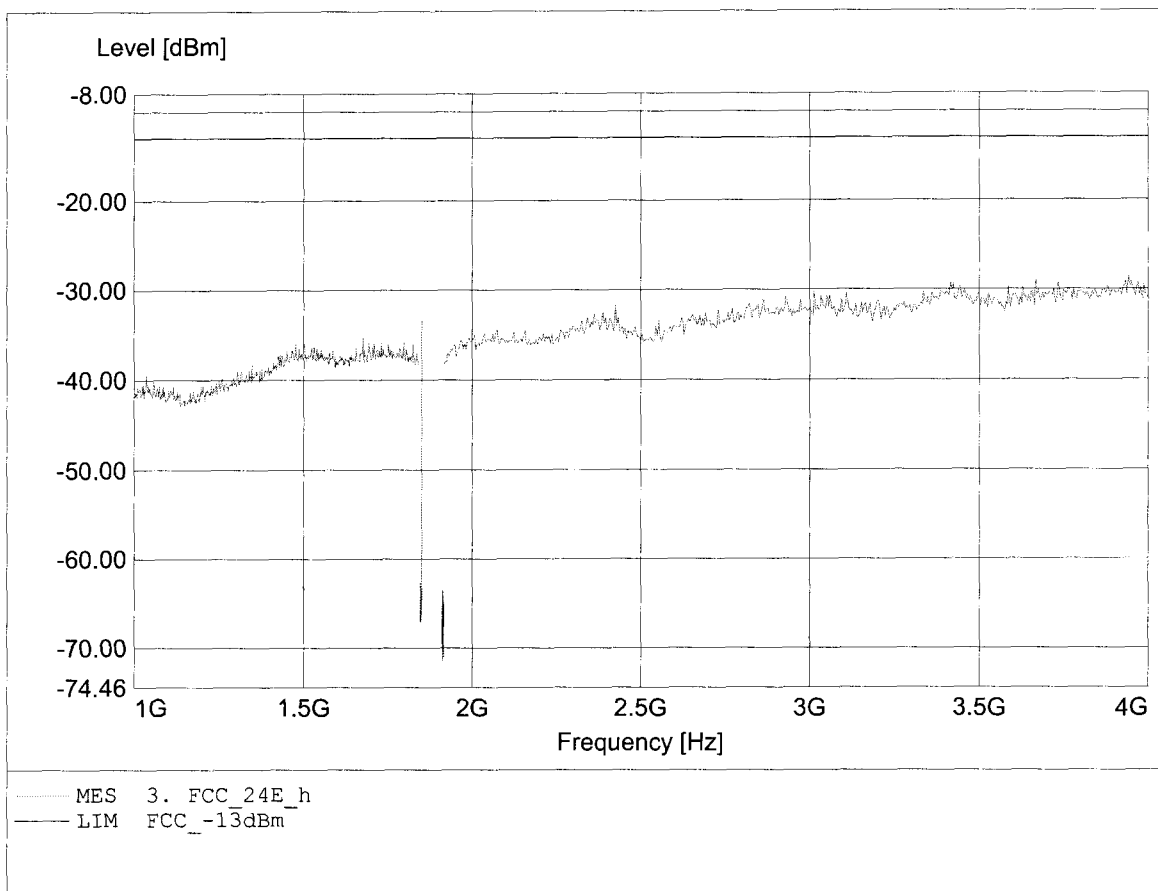
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 512 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.954GHz, Pmax: -28.27dBm, RBW: 1MHz/3kHz



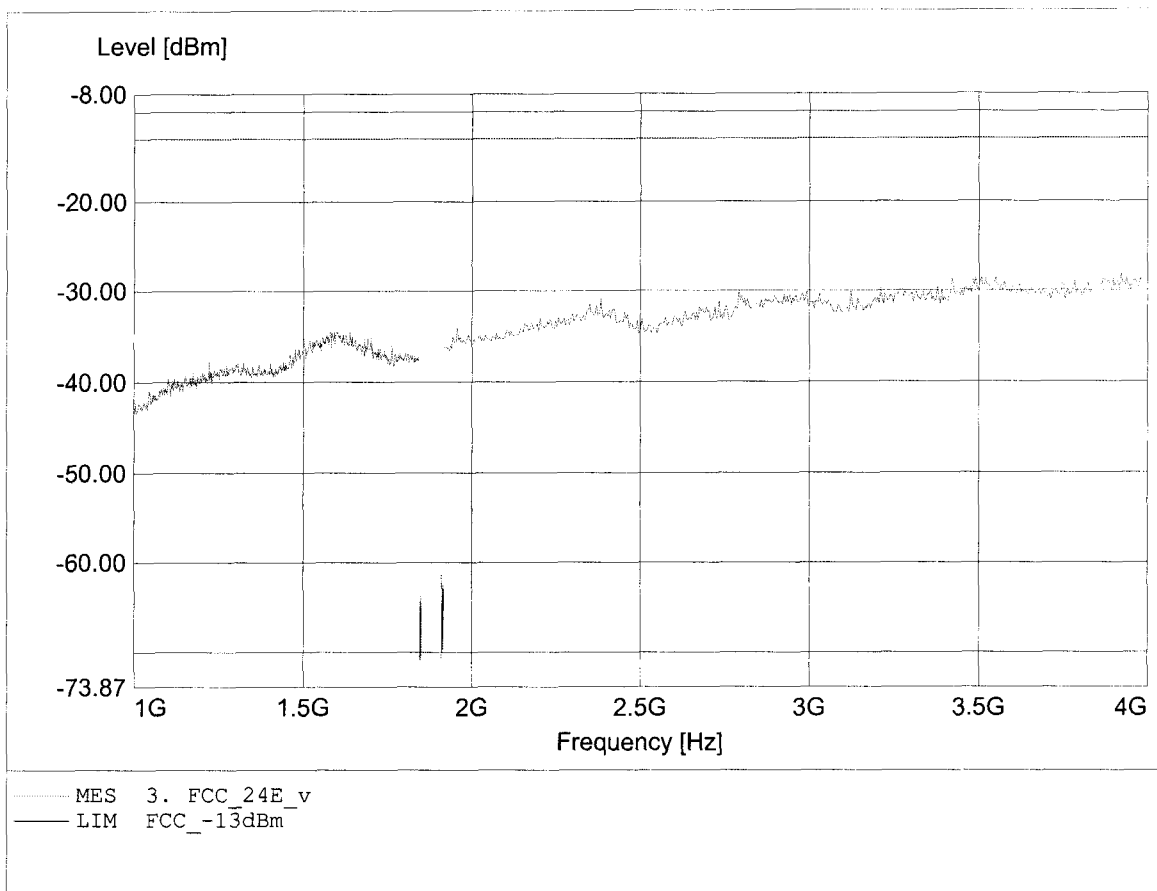
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 512 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.942GHz, Pmax: -28.53dBm, RBW: 1MHz/3kHz



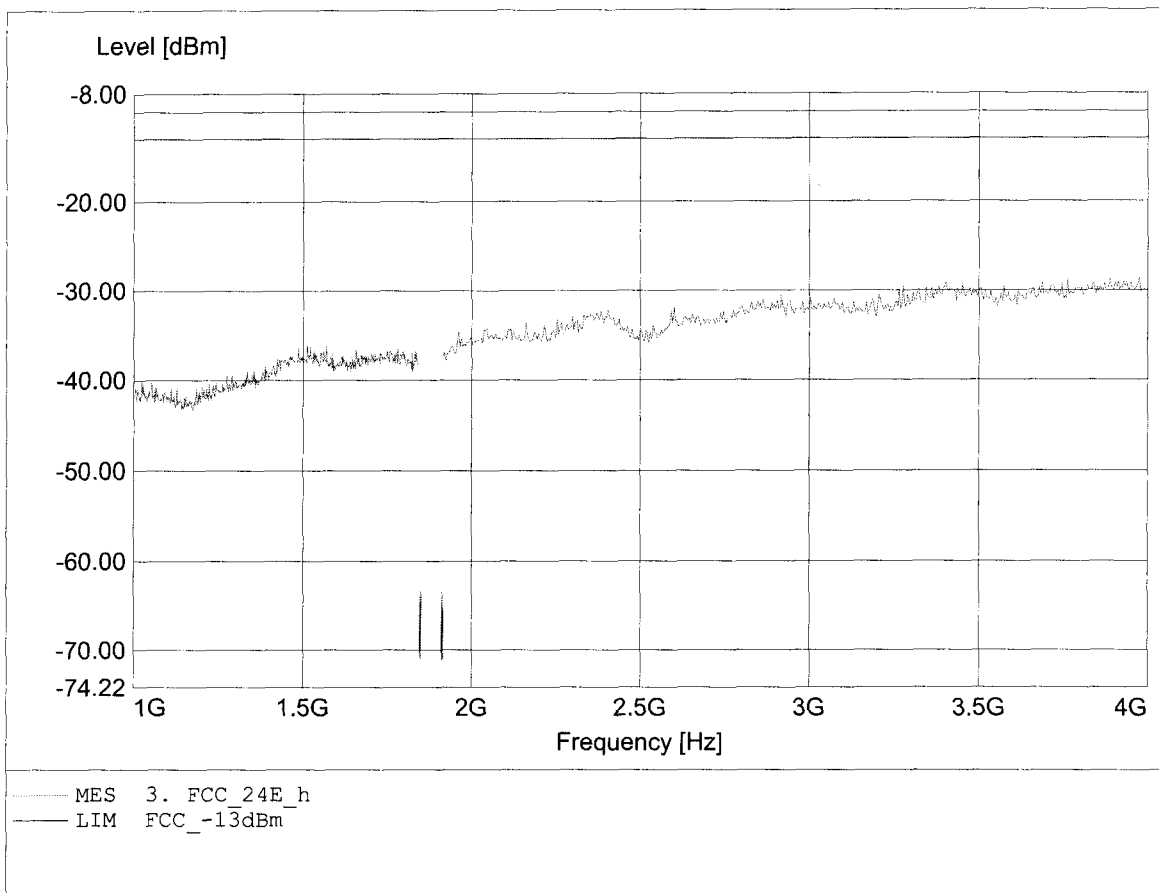
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.921GHz, Pmax: -28.21dBm, RBW: 1MHz/3kHz



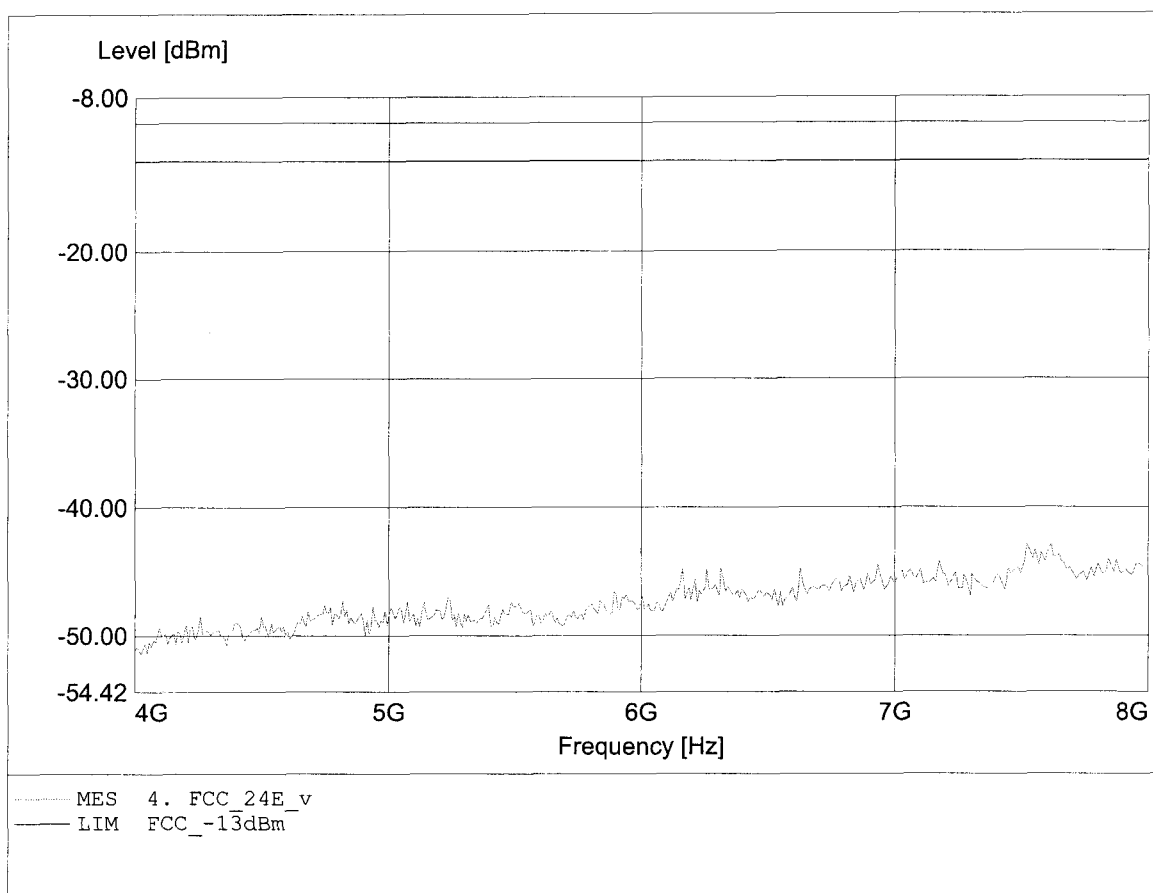
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.975GHz, Pmax: -28.61dBm, RBW: 1MHz/3kHz



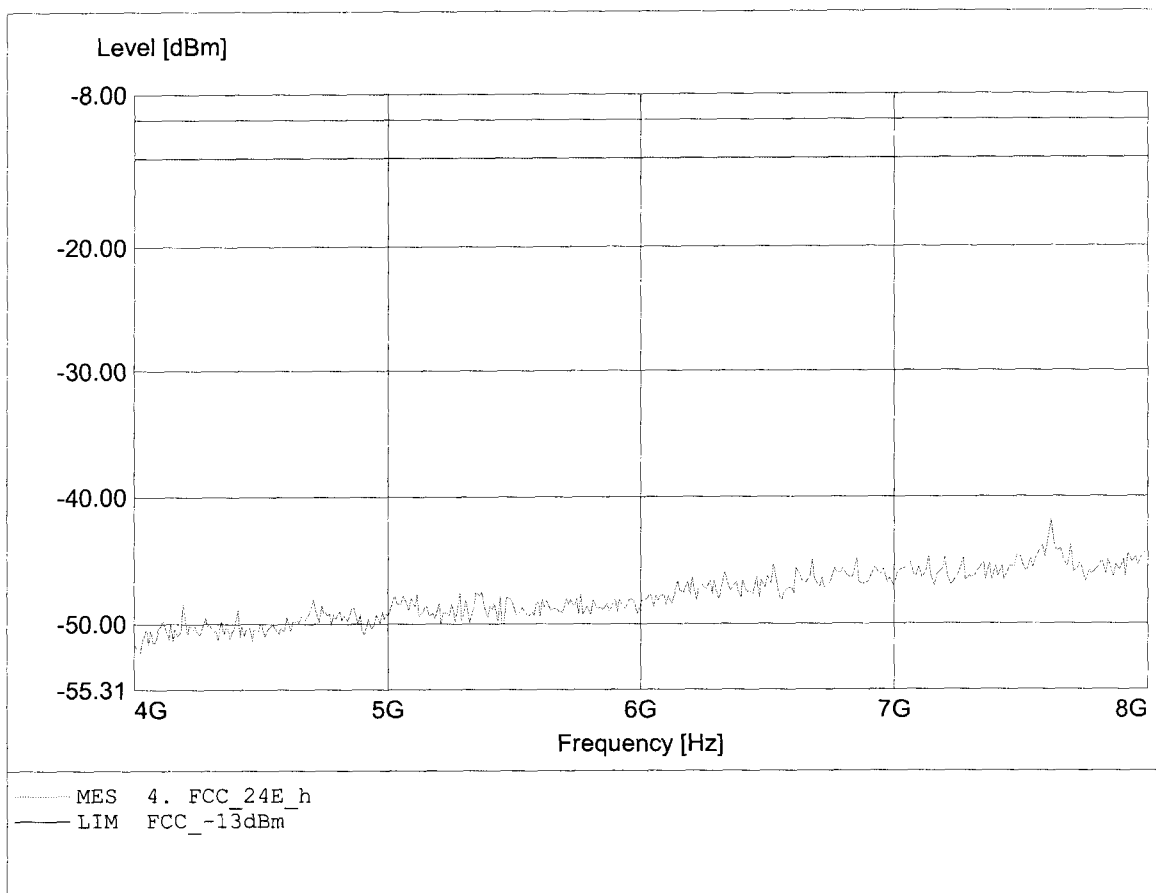
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.615GHz, Pmax: -42.80dBm, RBW: 1MHz



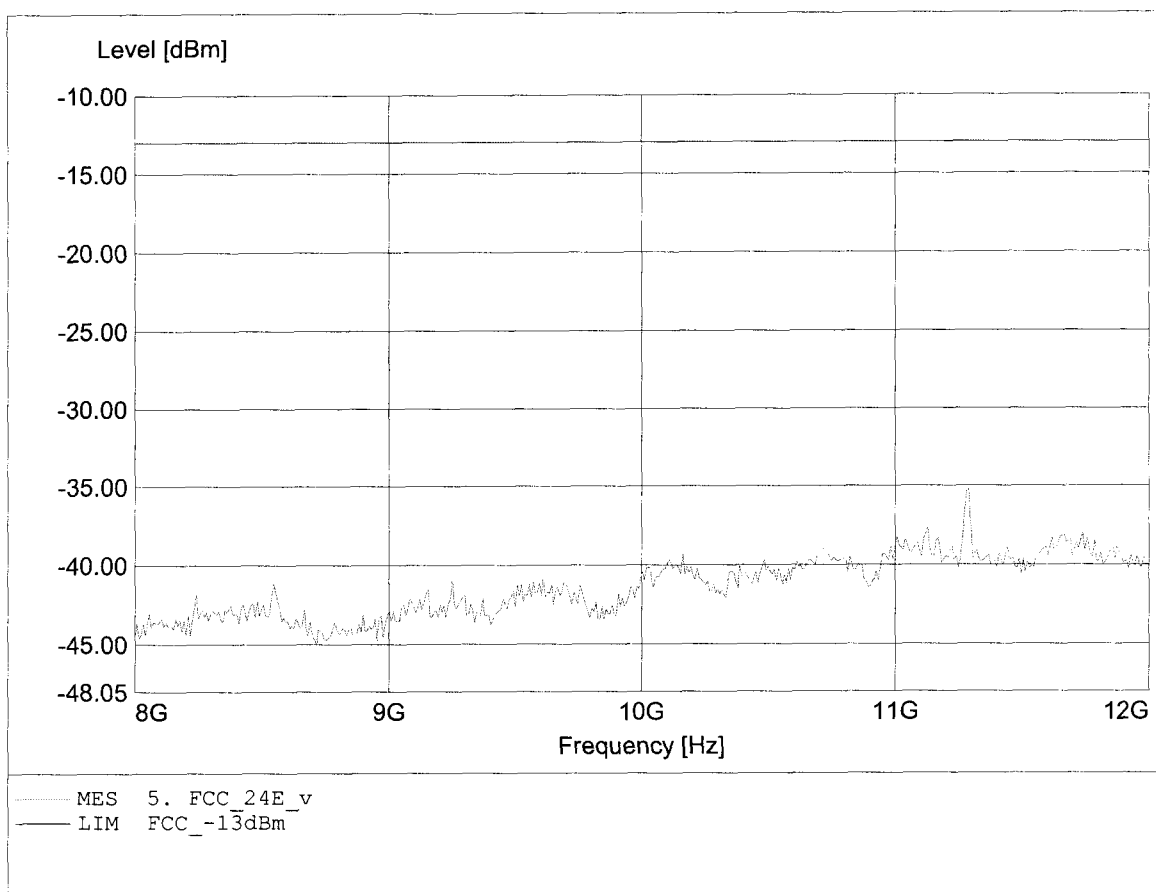
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.615GHz, Pmax: -41.82dBm, RBW: 1MHz



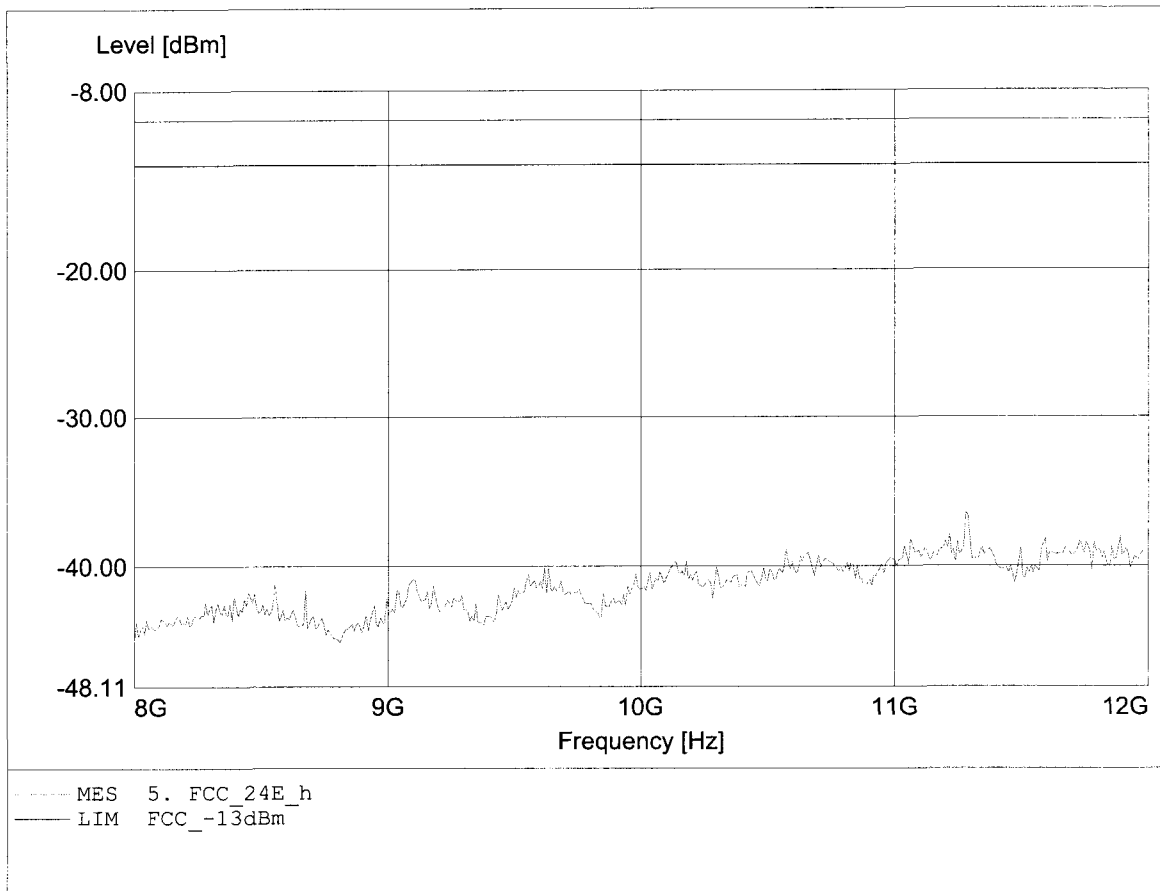
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.287GHz, Pmax: -35.22dBm, RBW: 1MHz



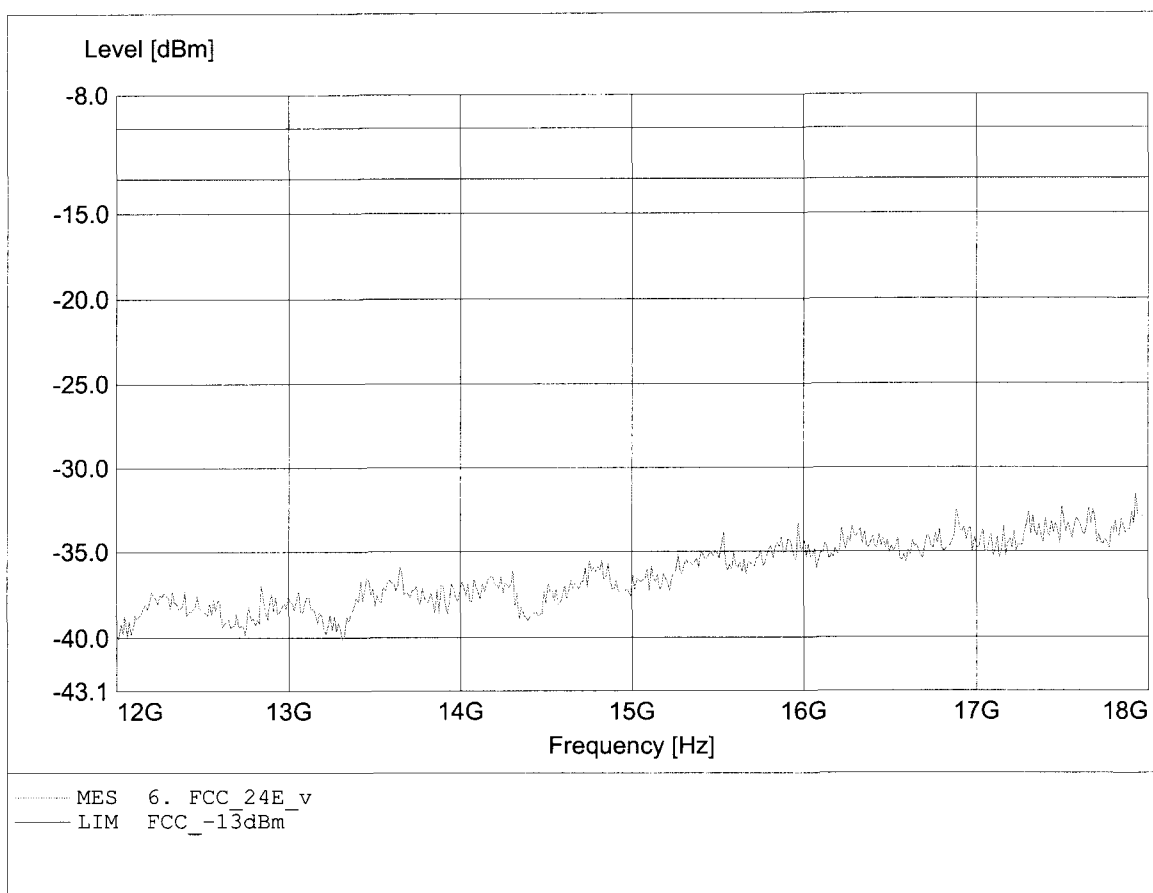
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.279GHz, Pmax: -36.45dBm, RBW: 1MHz



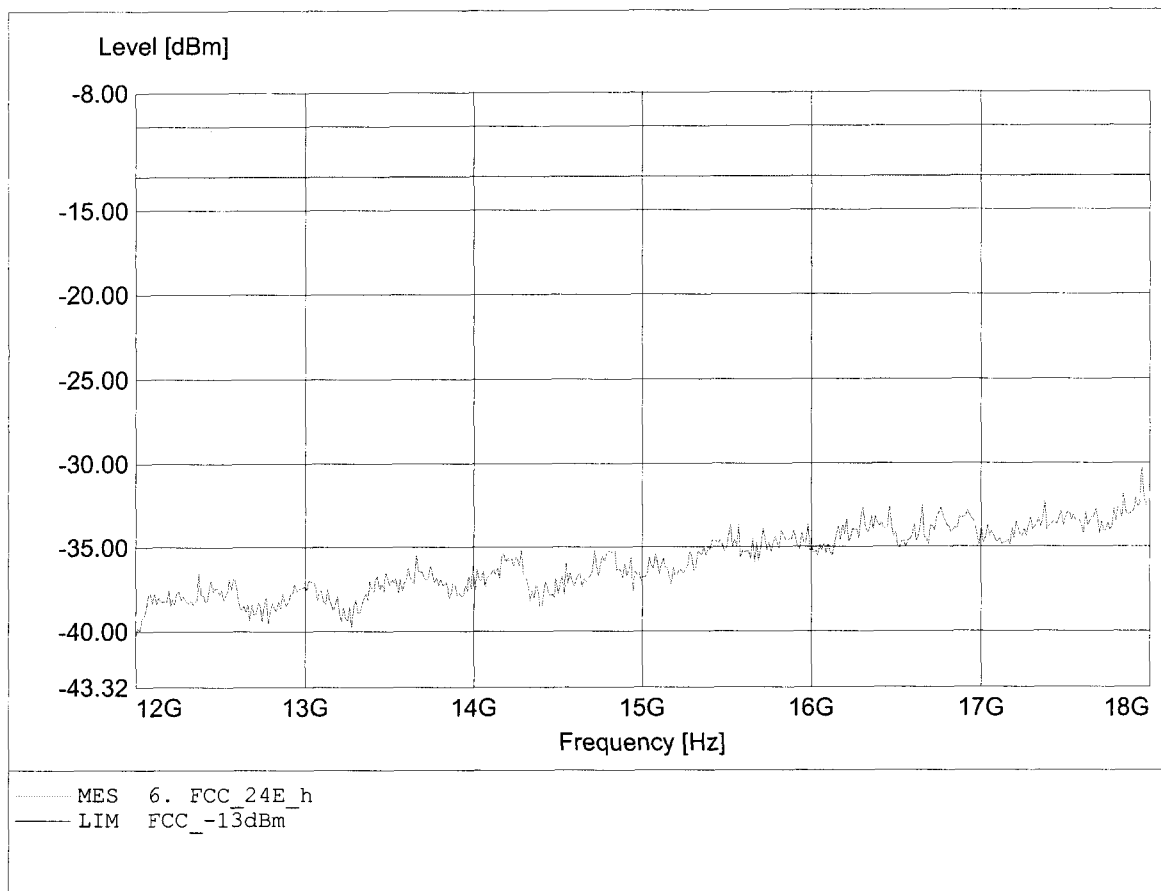
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.928GHz, Pmax: -31.56dBm, RBW: 1MHz



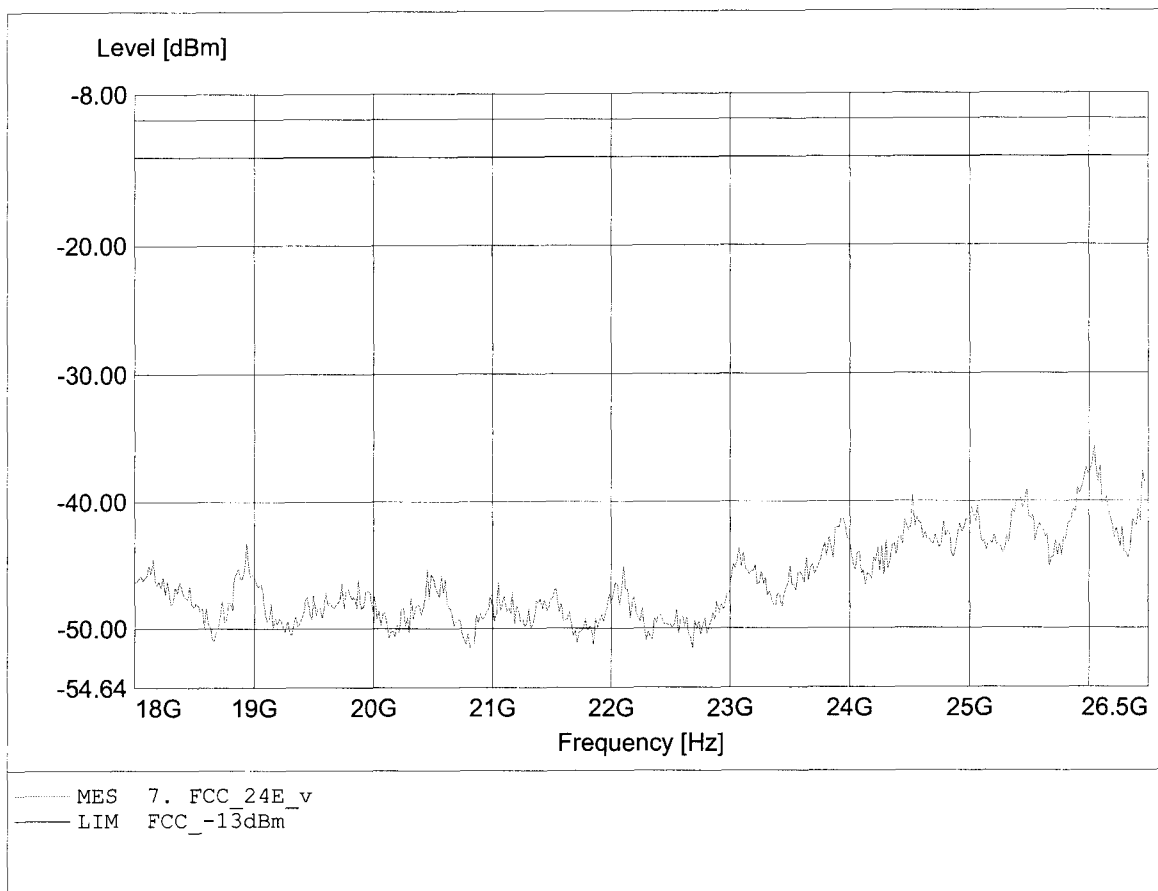
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.952GHz, Pmax: -30.20dBm, RBW: 1MHz



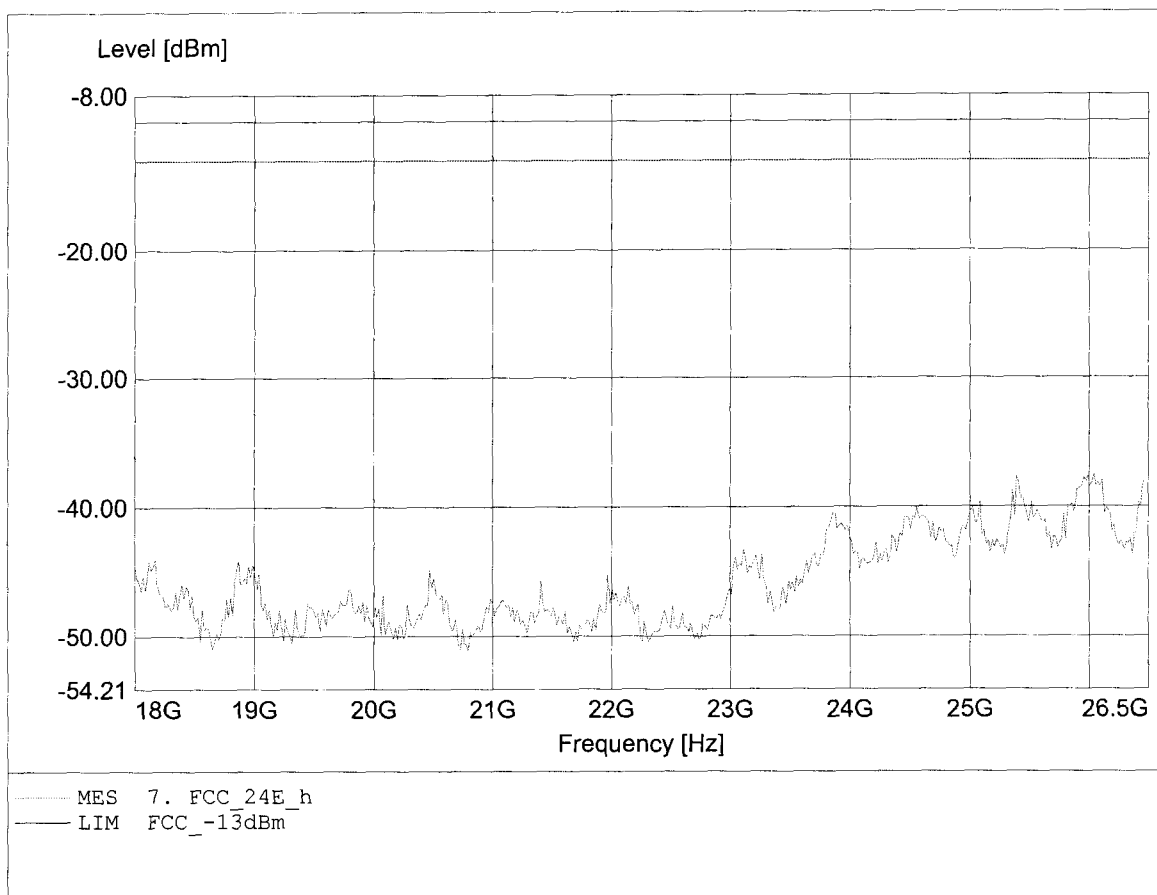
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.040GHz, Pmax: -35.69dBm, RBW: 1MHz



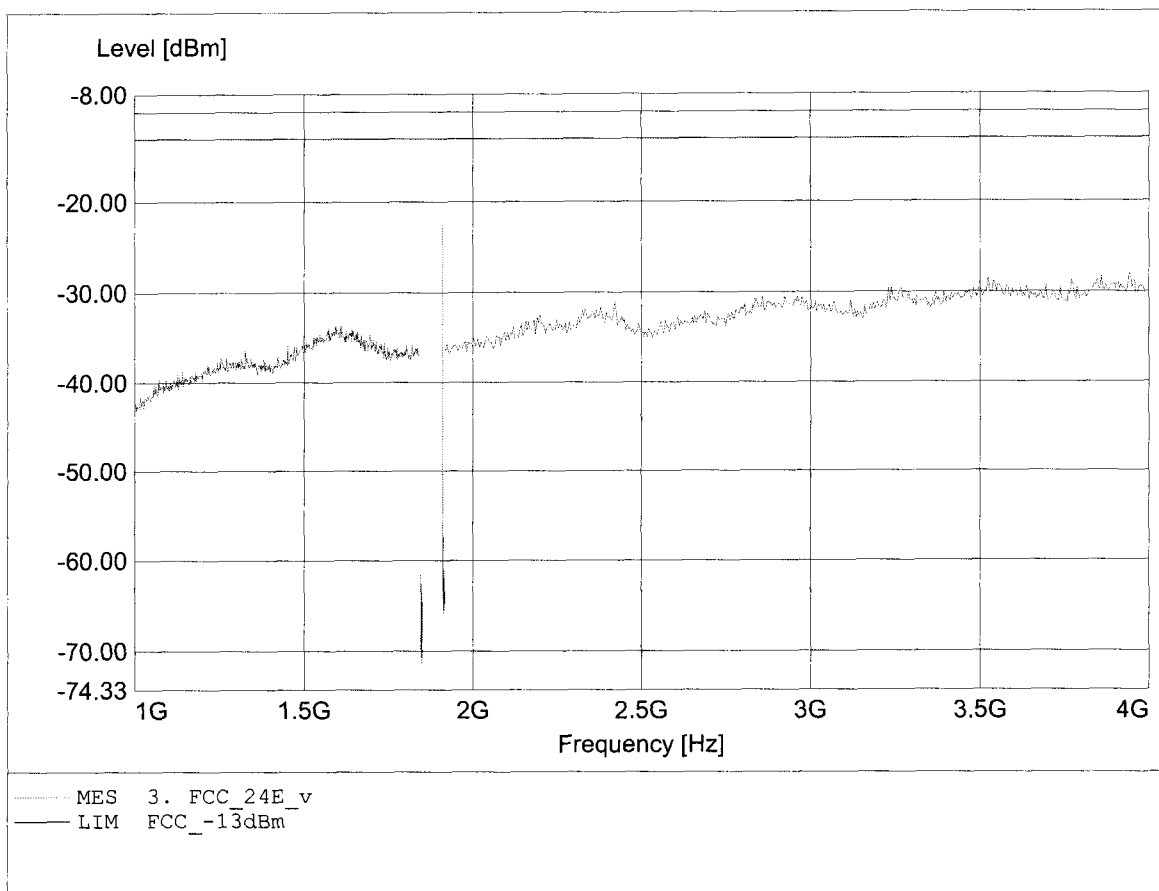
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 661 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to S24.238
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.040GHz, Pmax: -37.52dBm, RBW: 1MHz



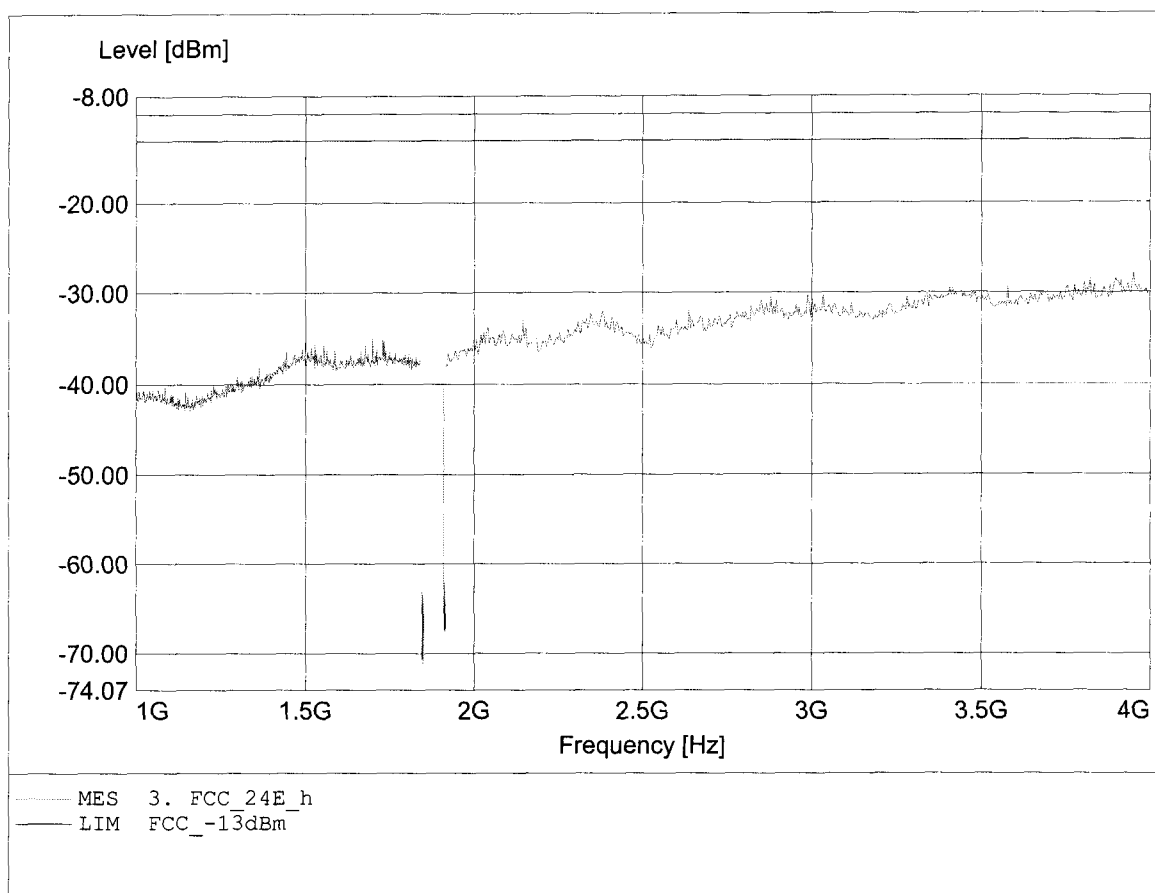
Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 810 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.910GHz, Pmax: -22.56dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx
FCC RULES PART 24 SUBPART E

Approval Holder: PANTECH CO., LTD.
EUT: UMTS GSM PHONE
Model: C610 / Ch.: 810 / EGPRS
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Meng
Test Conditions: 23°C / Unom.: 3.70 V DC
Test Specification: according to §24.238
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.950GHz, Pmax: -27.89dBm, RBW: 1MHz/3kHz



Appendix F

Block edge compliance

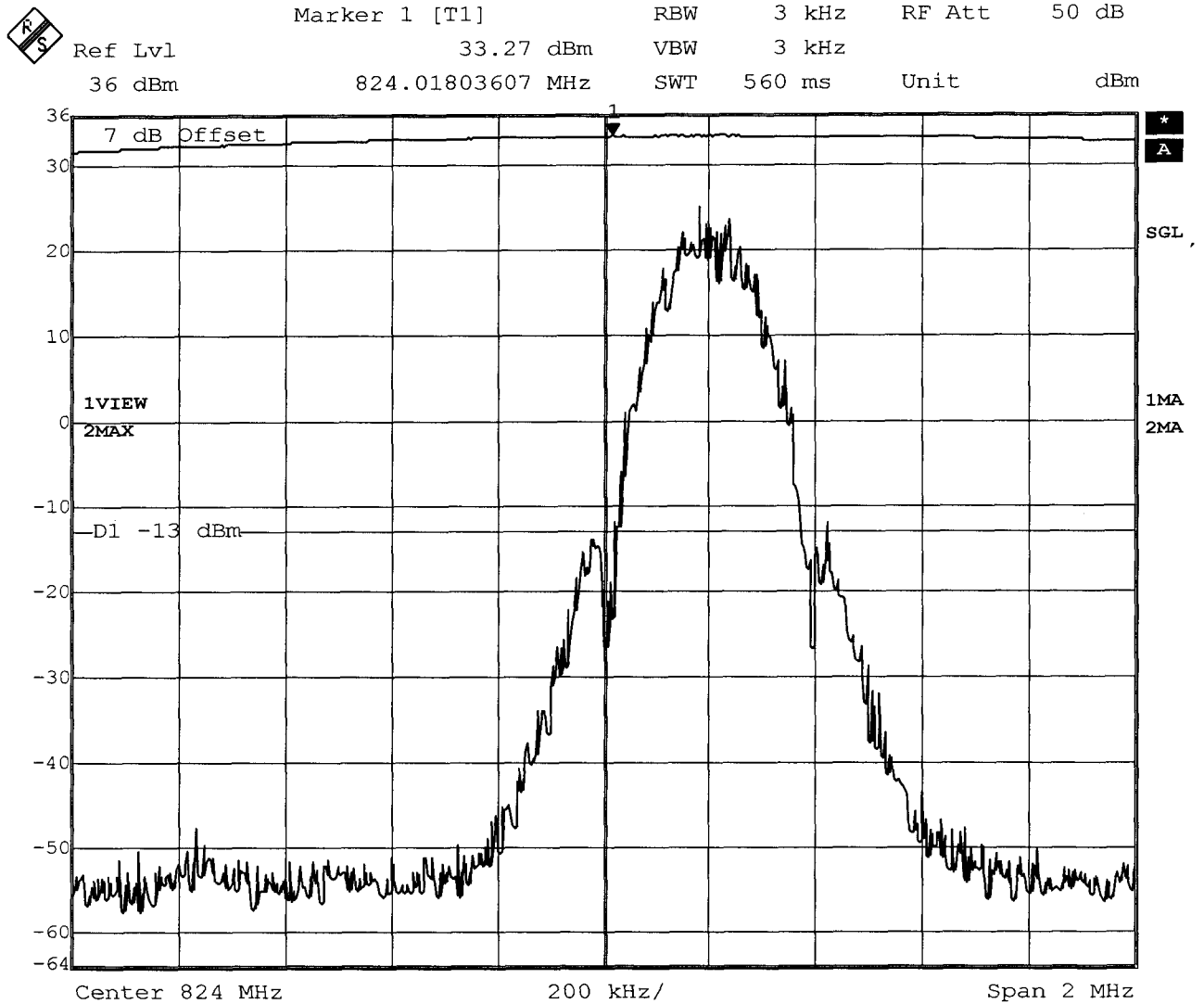
Test Report No.: G5M208010006-C-2

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

Annex F

**FCC Part 22 H
Lower Block edge**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 128
Comment 2	
Comment 3	

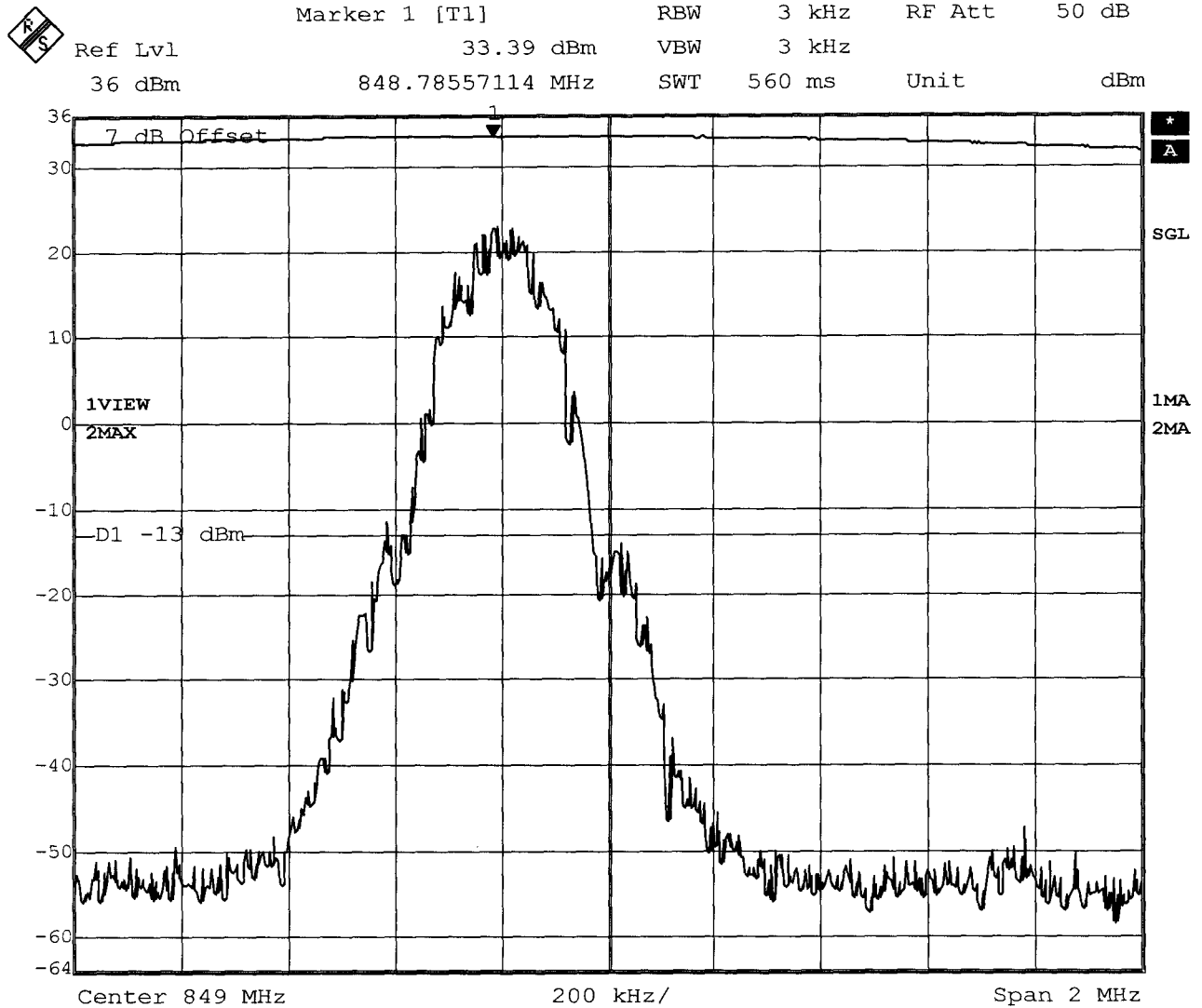


Date: 29.APR.2008 08:27:17

Measurement diagram

**FCC Part 22 H
Higher Block edge**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 22 Subpart H
Comment 1	Channel: 251
Comment 2	
Comment 3	



Date: 29.APR.2008 08:45:33

Measurement diagram

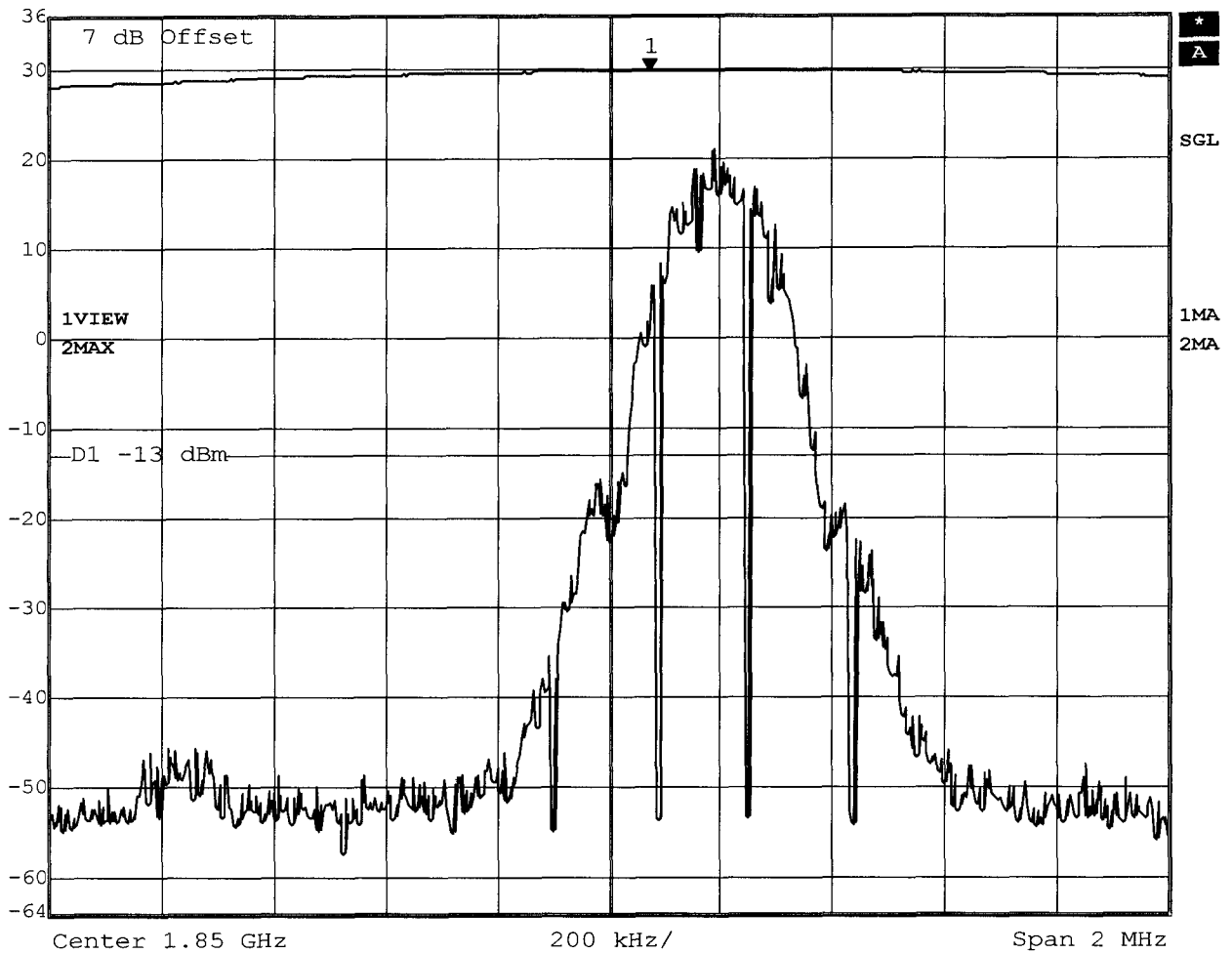
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 24 E
Lower Block edge**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 512
Comment 2	
Comment 3	



Marker 1 [T1]	RBW	3 kHz	RF Att	50 dB
Ref Lvl	29.67 dBm	VBW	3 kHz	
36 dBm	1.85007415 GHz	SWT	560 ms	Unit dBm



Date: 29.APR.2008 09:22:42

Measurement diagram

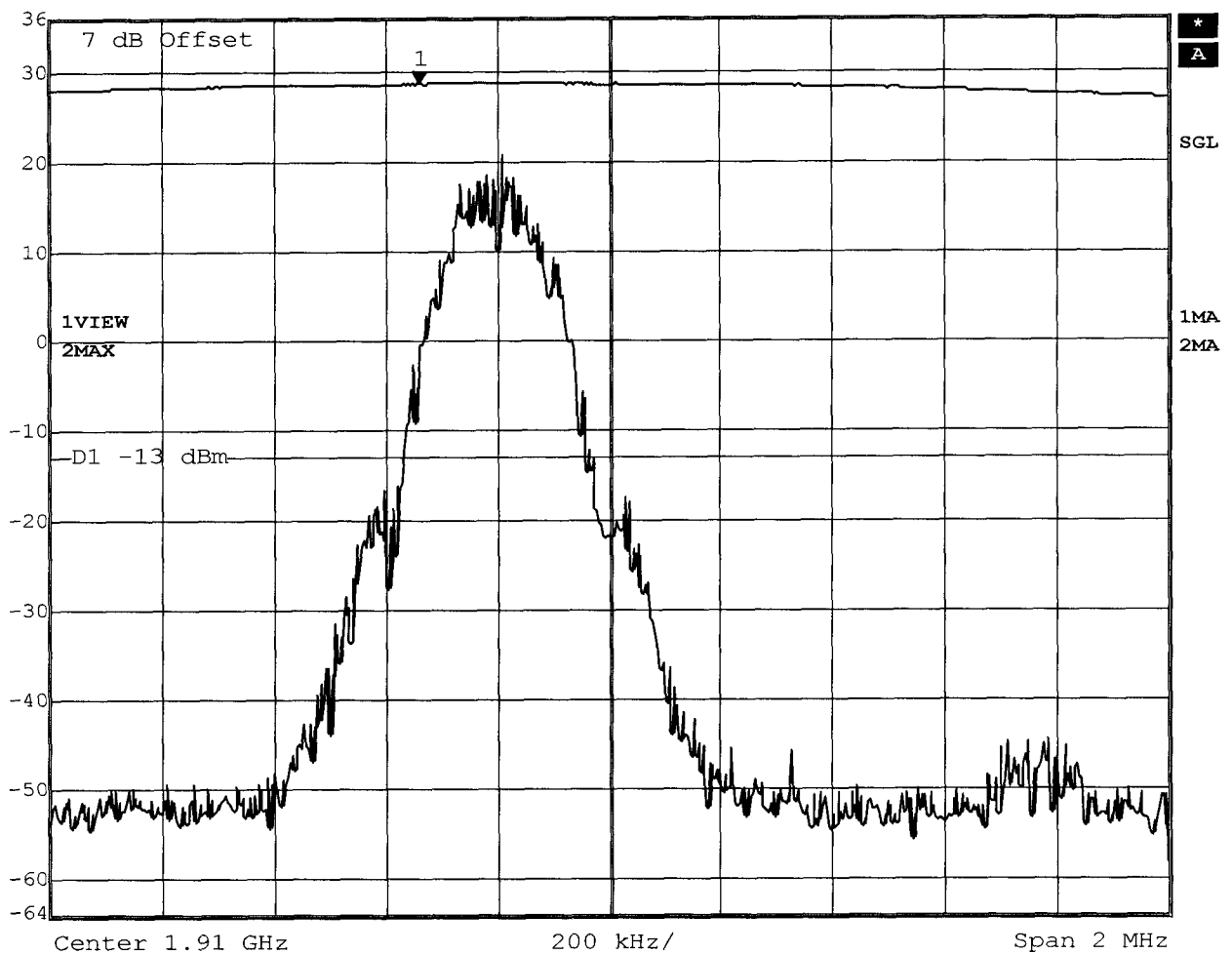
 Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**FCC Part 24 E
Higher Block edge**

EUT	UMTS GSM PHONE
Model	C610
Approval Holder	PANTECH CO., LTD.
Temperature / Voltage	23°C / Unom.: 3.70 V DC
Test Site / Operator	ETS / Mr. Meng
Test Specification	FCC Part 24 Subpart E
Comment 1	Channel: 810
Comment 2	
Comment 3	



Ref Lvl	Marker 1 [T1]	RBW	3 kHz	RF Att	50 dB
36 dBm	28.50 dBm	VBW	3 kHz		
	1.90966132 GHz	SWT	560 ms	Unit	dBm



Date: 29.APR.2008 09:32:16

Measurement diagram

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

Appendix G

AC power line conducted emissions

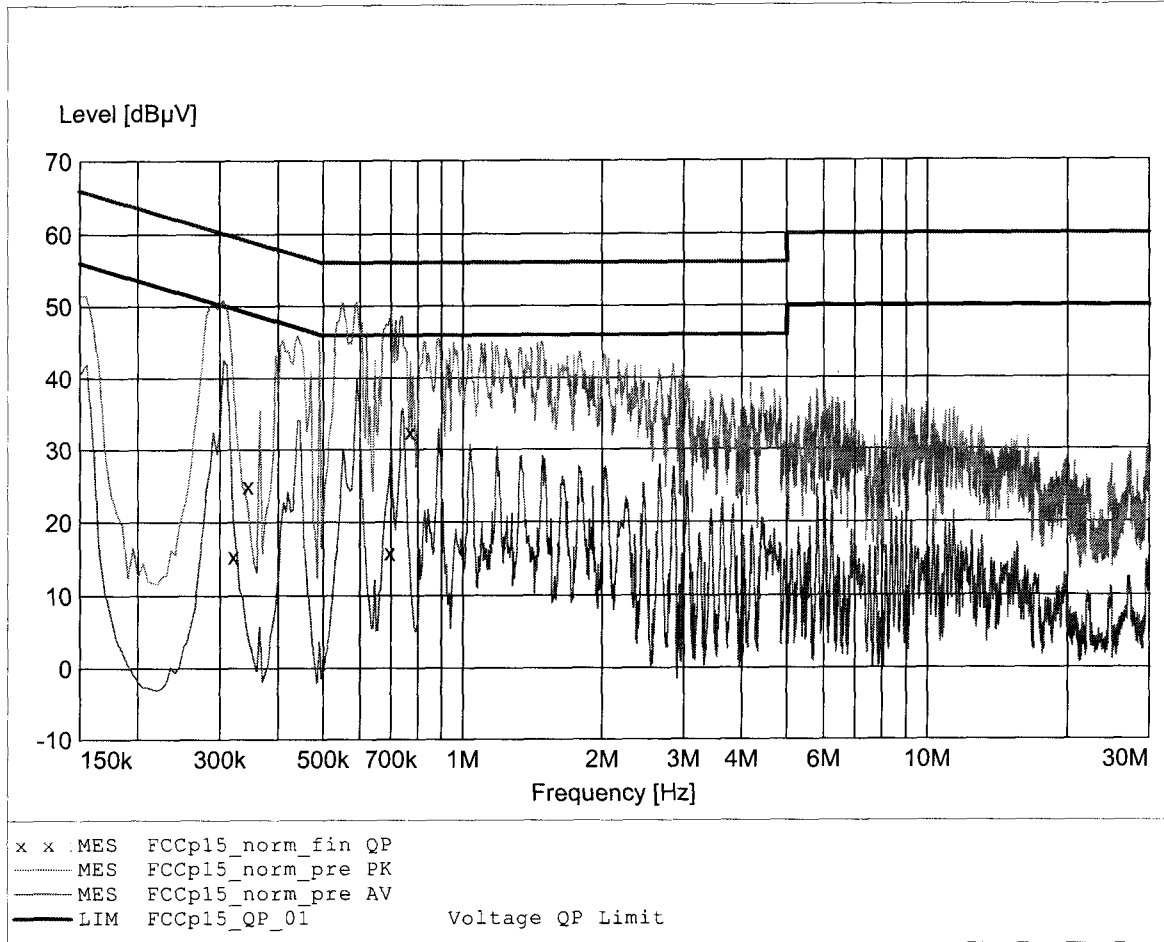
Test Report No.: G5M208010006-C-2

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

Annex G

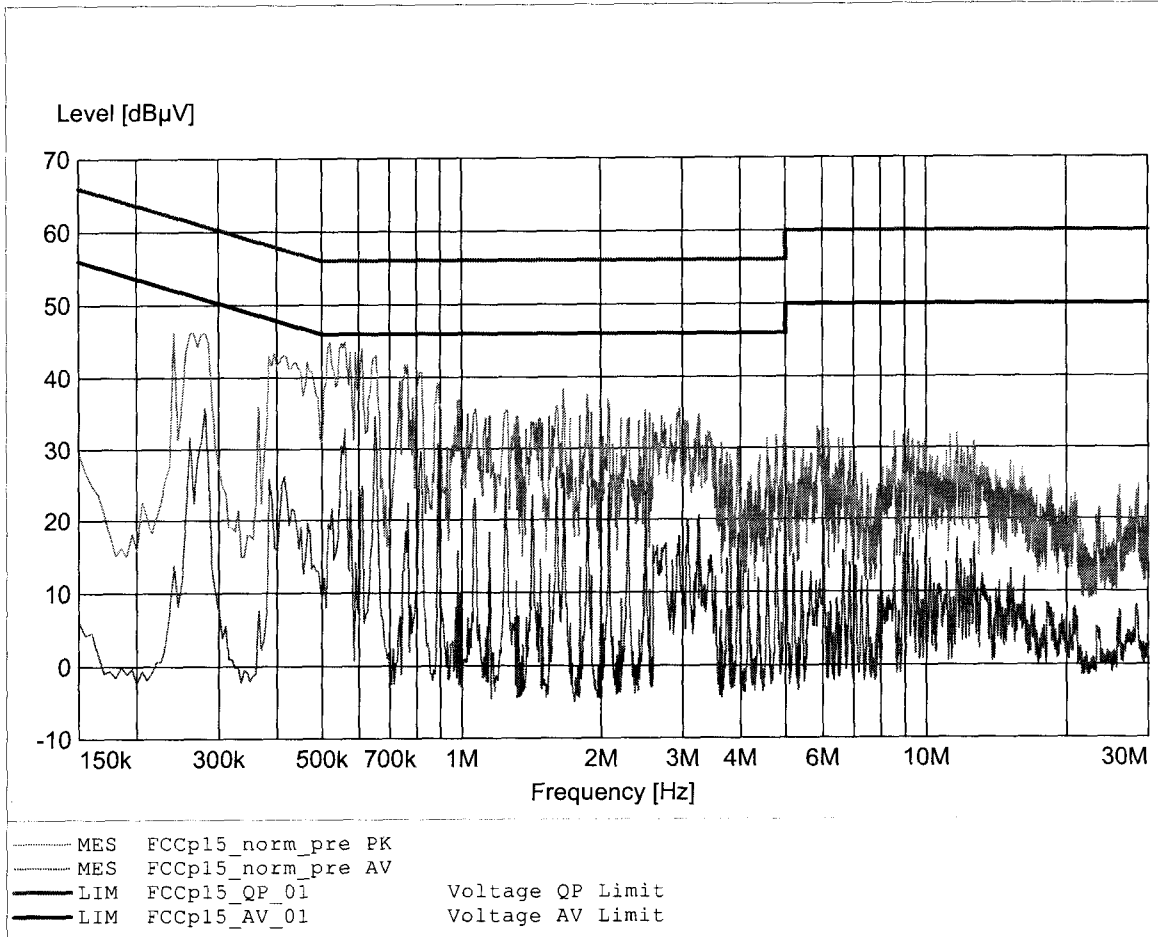
EMI voltage test in the ac-mains according to FCC part 15

Approval Holder: Pantech Co., Ltd.
 EUT: UMTS GSM phone
 Model: C610
 Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Pflug
 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: adaptor: pantech



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

Approval Holder: Pantech Co., Ltd.
EUT: UMTS GSM phone
Model: C610
Test Site / Operator: Eurofins ETS Product Service GmbH / Mr. Pflug
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: adaptor: pantech



Appendix H

Receiver radiated emission

Test Report No.: G5M208010006-C-2

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

Annex H