Test Report issued under the responsibility of:

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EMC TEST REPORT

FCC 47 CFR Part 15B
Industry Canada RSS-Gen

Electromagnetic compatibility - Unintentional radiators

Report Reference No. ..... :	G0M-1109-1389 – C-2
Testing Laboratory ..... :	Eurofins Product Service GmbH
Address ..... :	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation ..... :	A2LA Accredited Testing Laboratory, Certificate No.: 1983.01 FCC Filed Test Laboratory, Reg.-No.: 96970 IC OATS Filing assigned code: 3470A
Applicant's name ..... :	Polycom Inc.
Address ..... :	4750 Willow Road Pleasanton, CA, 94588-2708 USA
Test specification:	
Standard..... :	47 CFR Part 15 Subpart B RSS-Gen, Issue 3, 2010-12 ANSI C63.4:2009
Equipment under test (EUT):	
Product description	DECT handset
Model No.	K001
Hardware version	2
Firmware / Software version	12
Contains	FCC-ID: M72-PKBK001 IC: 1849C-PKBK001
Test result	**Passed**

Possible test case verdicts:	
- not applicable to test object ..... :	N/A
- test object does meet the requirement..... :	P (Pass)
- test object does not meet the requirement..... :	F (Fail)

Testing:

Date of receipt of test item ..... :	27.09.2011
Date (s) of performance of tests ..... :	12.10.2011; 22.12.2012
Compiled by ..... :	Antje Bartusch
Tested by (+ signature)..... :	Andreas Pflug
Approved by (+ signature) ..... :	Jens Zimmermann
Date of issue ..... :	16.01.2012
Total number of pages..... :	20

General remarks:

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

Additional comments:

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1 Equipment (Test item) Description:

Description	DECT handset
Model	K001
Serial number	0500300680102
Hardware version	2
Software / Firmware version	12
Contains FCC-ID	M72-PKBK001
Contains IC	1849C-PKBK001
Power supply	2.4VDC
AC/DC-Adaptor	Model : UE08WCP-050100SPA Input : 100-240VAC / 50-60Hz Output : 5VDC / 1.0A
Manufacturer	Polycom Inc. 4750 Willow Road Pleasanton, CA, 94588-2708 USA
Highest emission frequency	Fmax [MHz] = 41.472
Device classification	Class B
Equipment type	Tabletop
Number of tested samples	1

1.4 Supporting Equipment Used During Testing:

Product Type*	Device	Manufacturer	Model No.	Comments
AE	Switching power adaptor	UE	UE08WCP-050100SPA	

***Note:** Use the following abbreviations:

AE : Auxiliary/Associated Equipment, or

SIM : Simulator (Not Subjected to Test)

CABL : Connecting cables

1.5 Operating Modes:

Mode #	Description
1	Active DECT link to EUT. Charging mode via dedicated AC/DC adaptor.

1.6 Test Equipment Used During Testing

Radiated emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Biconical Antenna	R&S	HK 116	Inv. No. 0012	Jan 10	Jan 13
LPD-Antenne	R&S	HL 223	Inv. No. 0295	Feb 11	Feb 13
LPD-Antenna	R&S	HL 025	Inv. No. 0512	Feb 10	Feb 13
EMI Test Receiver	R&S	ESU8	Inv. No. 0567	Dec 11	Dec 12
EMI Test Receiver	R&S	ESCS30	Inv. No. 0474	Jun 11	Jun 12

Conducted emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
AMN	R&S	ESH2-Z5	Inv. No. 0288	Sep 10	Sep 12
AMN	R&S	ESH3-Z5	Inv. No. 0040	Nov 10	Nov 12
EMI Test Receiver	R&S	ESCS 30	Inv. No. 0474	Jun 11	Jun 12

2 Result Summary

FCC 47 CFR Part 15B, Industry Canada RSS-Gen				
Product Specific Standard	**Requirement – Test**	**Reference Method**	**Result**	**Remarks**
47 CFR 15.109 RSS-Gen 4.9 & 4.10	Radiated emissions	ANSI C 63.4	PASS	
47 CFR 15.107 RSS-Gen 7.2.4	AC power line conducted emissions	ANSI C63.4	PASS	
Remarks:				

3 Test Conditions and Results

3.1 Test Conditions and Results – Radiated emissions

Radiated emissions acc. FCC 47 CFR 15.109 / IC RSS-Gen				**Verdict: PASS**
Laboratory Parameters:	Required prior to the test	During the test		
Ambient Temperature	15 to 35°C	23°C		
Relative Humidity	30 to 60%	42%		
Test according referenced standards	Reference Method			
	ANSI C63.4			
Sample is tested with respect to the requirements of the equipment class	Equipment class			
	Class B			
Test frequency range determined from highest emission frequency	Highest emission frequency			
	Fmax [MHz] = 41.472			
Fully configured sample scanned over the following frequency range	Frequency range			
	30MHz to 2GHz			
Operating mode	1			
Limits and results Class B				
Frequency [MHz]	Quasi-Peak [dBµV/m]	Result	Average [dBµV/m]	Result
30 – 88	40	PASS	-	-
88 – 216	43.5	PASS	-	-
216 – 960	46	PASS	-	-
960 – 1000	54	PASS	-	-
Comments:				

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1109-1389

Manufacturer:	Polycom Inc.
EUT Name:	DECT handset
Model:	K001
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Pflug
Test Conditions:	Tnom: 23°C, Unom: 120 VAC(AC/DC-adapter)
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3m
Mode:	charging; DECT link
Test Date:	22.12.2011

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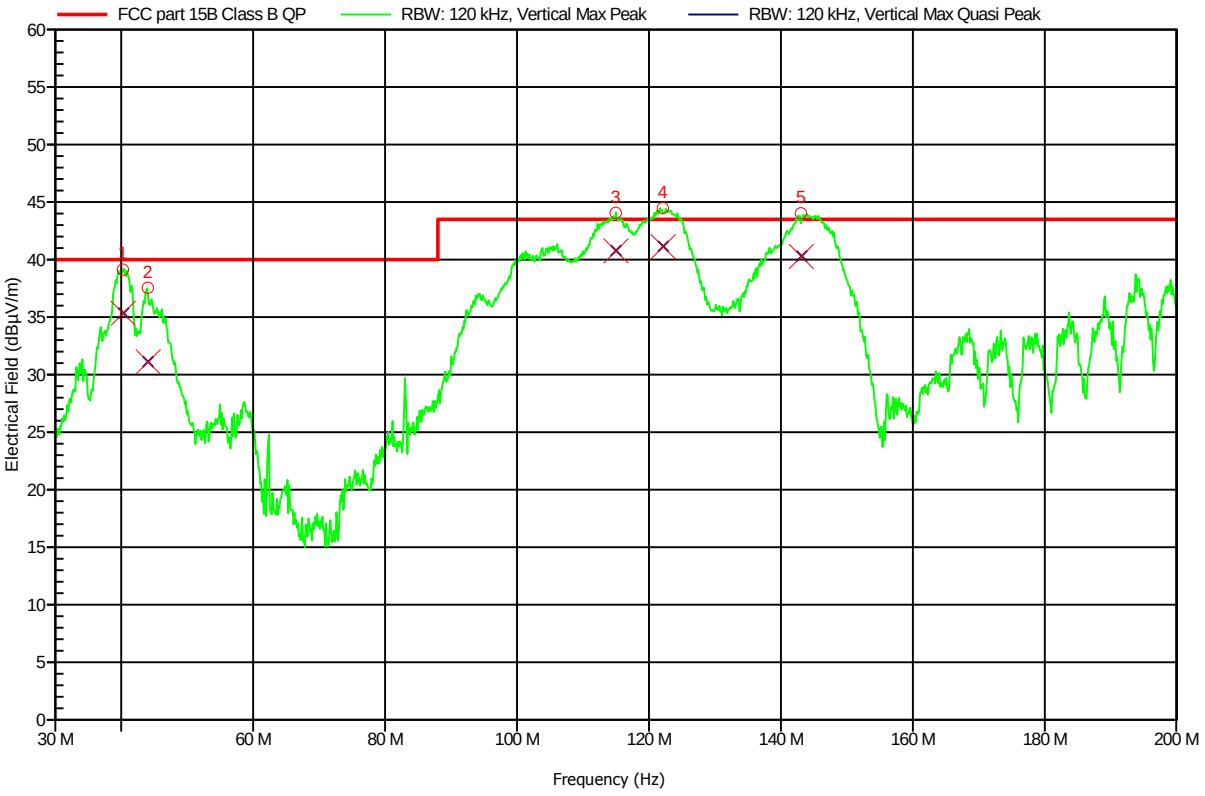

Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
40.26 MHz	35.37 dBµV/m	40 dBµV/m	-4.63 dB	Pass
44.04 MHz	31.14 dBµV/m	40 dBµV/m	-8.86 dB	Pass
114.96 MHz	40.68 dBµV/m	43.5 dBµV/m	-2.82 dB	Pass
122.1 MHz	40.85 dBµV/m	43.5 dBµV/m	-2.65 dB	Pass
143.04 MHz	40.29 dBµV/m	43.5 dBµV/m	-3.21 dB	Pass

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1109-1389

Manufacturer:	Polycom Inc.
EUT Name:	DECT handset
Model:	K001
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Pflug
Test Conditions:	Tnom: 23°C, Unom: 120 VAC(AC/DC-adapter)
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3m
Mode:	charging; DECT link
Test Date:	22.12.2011

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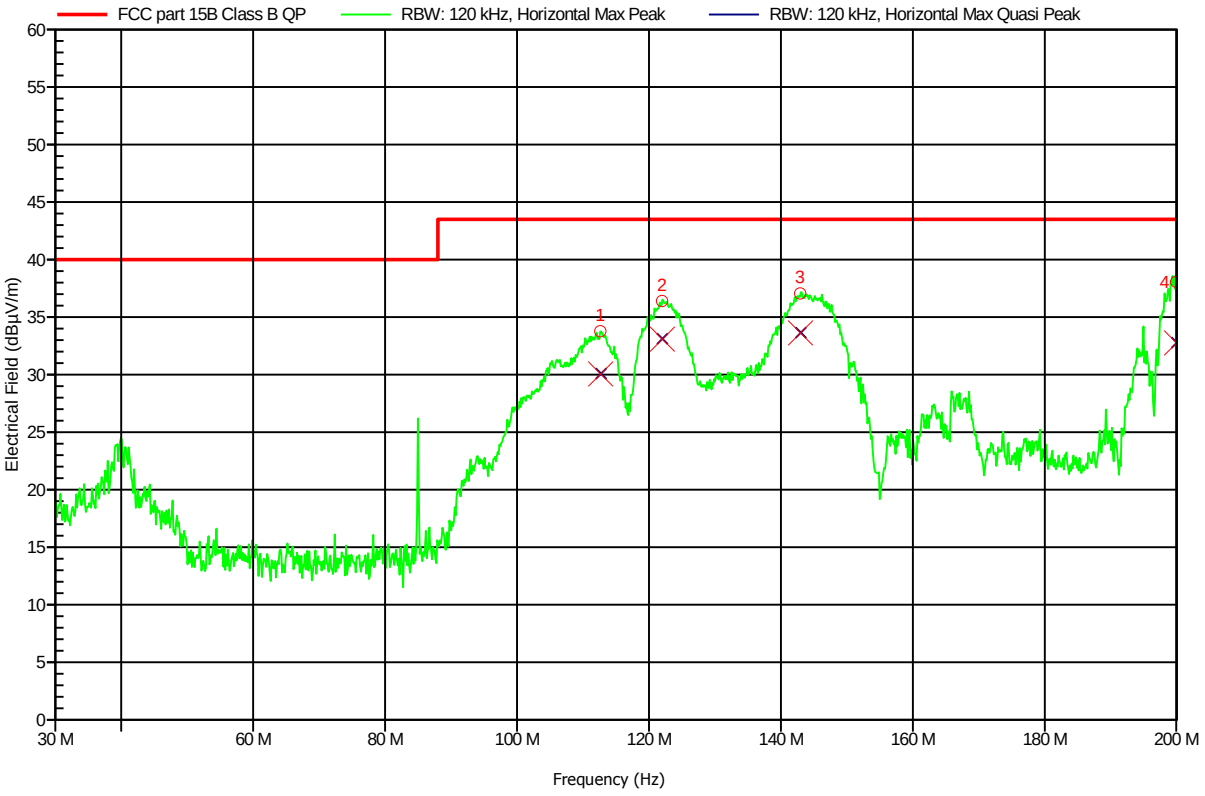

Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
112.62 MHz	30.08 dBµV/m	43.5 dBµV/m	-13.42 dB	Pass
121.98 MHz	33.11 dBµV/m	43.5 dBµV/m	-10.39 dB	Pass
142.92 MHz	33.65 dBµV/m	43.5 dBµV/m	-9.85 dB	Pass
200 MHz	32.78 dBµV/m	43.5 dBµV/m	-10.72 dB	Pass

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1109-1389

Manufacturer:	Polycom Inc.
EUT Name:	DECT handset
Model:	K001
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Pflug
Test Conditions:	Tnom: 23°C, Unom: 120 VAC(AC/DC-adapter)
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3m
Mode:	charging; DECT link
Test Date:	22.12.2011

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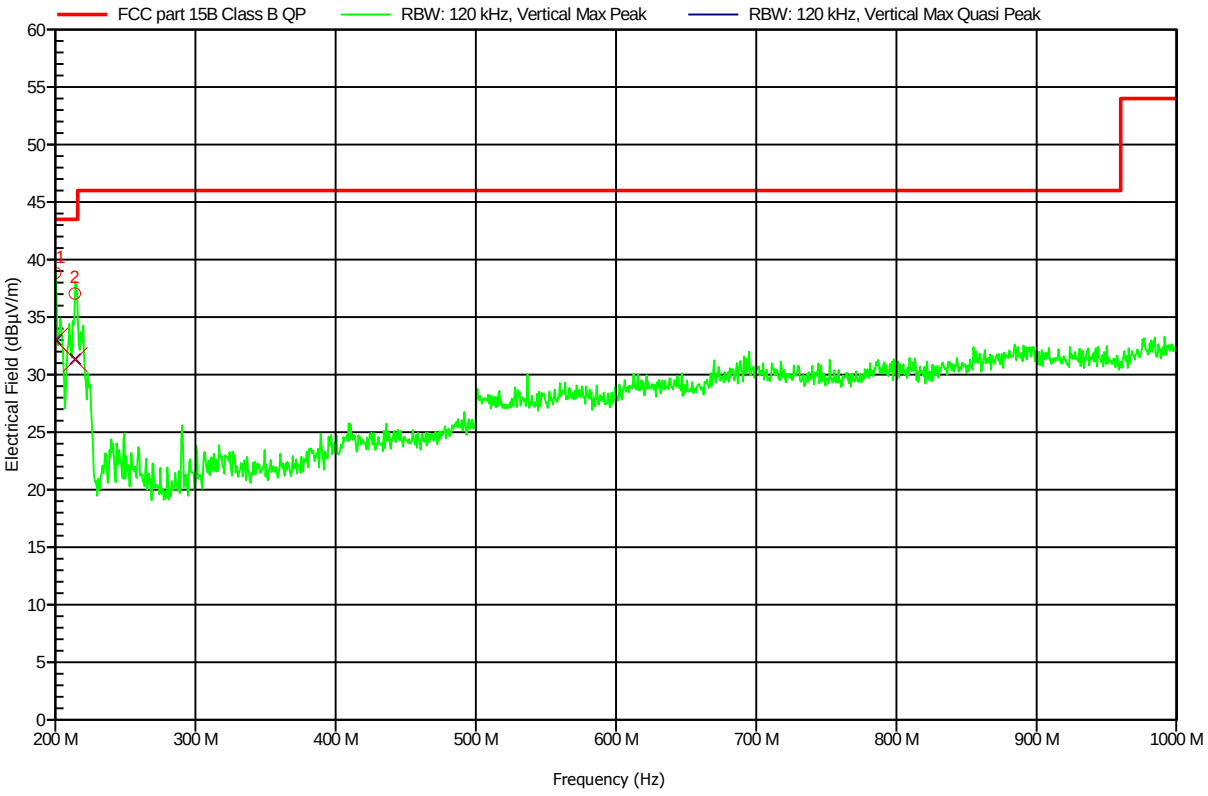

Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
200.042 MHz	33.02 dBµV/m	43.5 dBµV/m	-10.48 dB	Pass
214.022 MHz	31.33 dBµV/m	43.5 dBµV/m	-12.17 dB	Pass

Spurious emissions under normal conditions according to FCC Part 15b

Project number: G0M-1109-1389

Manufacturer:	Polycom Inc.
EUT Name:	DECT handset
Model:	K001
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Pflug
Test Conditions:	Tnom: 23°C, Unom: 120 VAC(AC/DC-adapter)
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3m
Mode:	charging; DECT link
Test Date:	22.12.2011

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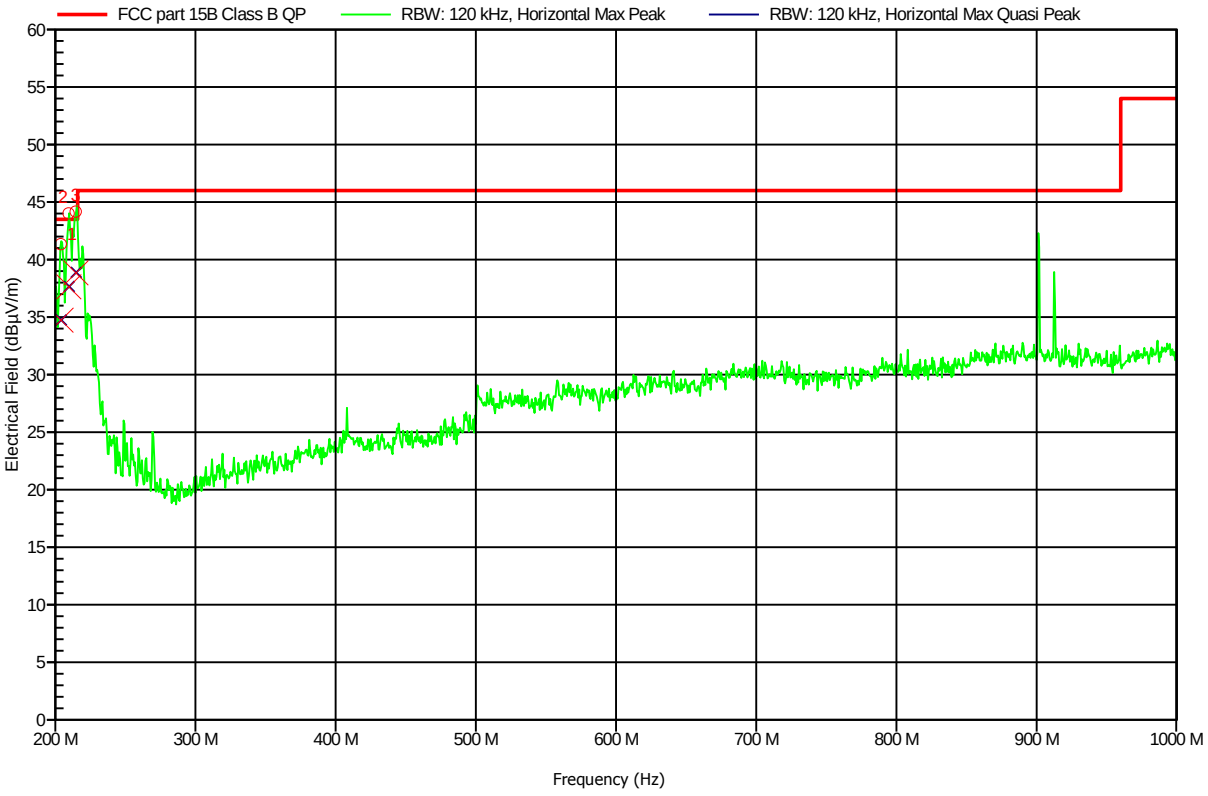

Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
203.984 MHz	34.76 dBµV/m	43.5 dBµV/m	-8.74 dB	Pass
209.582 MHz	37.65 dBµV/m	43.5 dBµV/m	-5.85 dB	Pass
214.616 MHz	38.87 dBµV/m	43.5 dBµV/m	-4.63 dB	Pass

3.2 Test Conditions and Results – AC power line conducted emissions

Conducted emissions acc. FCC 47 CFR 15.107 / IC RSS-Gen		**Verdict: PASS**
Laboratory Parameters:	Required prior to the test	During the test
Ambient Temperature	15 to 35°C	23°C
Relative Humidity	30 to 60%	42%
Test according referenced standards	Reference Method	
	ANSI C63.4	
Fully configured sample scanned over the following frequency range	Frequency range	
	0.15MHz to 30MHz	
Sample is tested with respect to the requirements of the equipment class	Equipment class	
	Class B	
Points of Application	Application Interface	
AC Mains	LISN	
Operating mode	1	

Limits and results Class B

Frequency [MHz]	Quasi-Peak [dBµV]	Result	Average [dBµV]	Result
0.15 to 5	66 to 56*	PASS	56 to 46*	PASS
0.5 to 5	56	PASS	46	PASS
5 to 30	60	PASS	50	PASS

Comments:
* Limit decreases linearly with the logarithm of the frequency.

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

Project number: G0M-1109-1389

Manufacturer:	Polycom Inc.
EUT Name:	DECT handset
Model:	K001
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Klein
Test Conditions:	Tnom: 23°C, Unom: 120VAC
LISN:	ESH2-Z5 L
Mode:	charging
Test Date:	12. Oktober 2011

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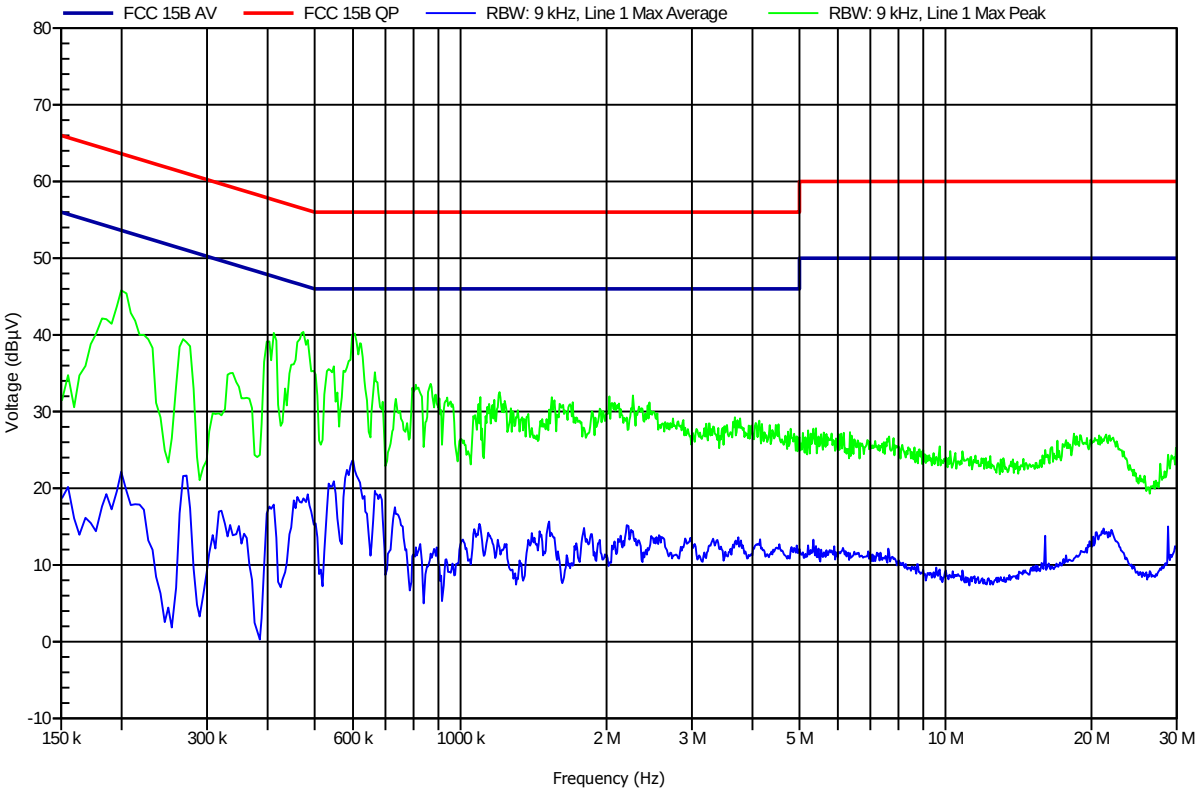

EMI voltage test in the ac-mains according to FCC 15B

Project number: G0M-1109-1389

Manufacturer:	Polycom Inc.
EUT Name:	DECT handset
Model:	K001
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Klein
Test Conditions:	Tnom: 23°C, Unom: 120VAC
LISN:	ESH2-Z5 N
Mode:	charging
Test Date:	12. Oktober 2011

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