



EUROFINS PRODUCT SERVICE GMBH



RADIO TEST - REPORT

Class II Permissive Change Test Report

**FCC PART 15 D for Isochronous UPCS devices
RSS-213 for LE-PCS devices**

DECT radio module

KT4586

**FCC ID: M72-PK4586
IC: 1849C-PK4586**

Test report no.: G0M-1202-1721-C-1



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

Phone +49-33631-888 00
Fax +49-33631-888 660

TABLE OF CONTENTS

1.	General Information	3
1.1	Notes	3
1.2	Testing laboratory	4
1.2.1	Location	4
1.2.2	Details of accreditation status	4
1.3	Details of approval holder	4
1.4	Application details	5
1.5	Test item	5
1.6	Test standards	7
2.	Technical test	8
2.1	Summary of test results	8
2.2	Test environment	8
2.3	Test equipment utilized	9
3.	Results of Examinations and tests (enclosure)	10
3.1	Examinations and Test Procedures	11
3.1.1	Peak transmit power	12
3.1.2	Radiated spurious emissions, generally requirements	13
3.1.3	Receiver spurious emissions, RSS-213 6.8	16
Annex A	Photos	17
Annex B	Transmitter radiated spurious emissions	68
Annex C	Receiver radiated spurious emissions	79

1. General Information

1.1 Notes

The results of this test report relate exclusively to the item tested as specified in chapter "Description of test item" and are not transferable to any other test items.

Eurofins Product Service GmbH is not responsible for any generalisations and conclusions drawn from this report. Any modification of the test item can lead to invalidity of test results and this test report may therefore be not applicable to the modified test item.

The test report may only be reproduced or published in full. Reproducing or publishing extracts of the report requires the prior written approval of the Eurofins Product Service GmbH.

This document is subject to the General Terms and Conditions and the Testing and Certification System of Eurofins Product Service GmbH, available on request or accessible at www.pt.eurofins.com

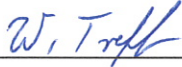
Specific Conditions.

Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations are performed for each individual configuration.

This report relates to FCC-Part15B applied on UPCS devices with the technology which is derived from the DECT standard.

Additionally this report covers the requirements of RSS-213 (2GHz Licence-exempt Personal Communications Services Devices (LE-PCS)), released by Industry Canada (IC). In the following the term UPCS covers therefore also LE-PCS.

Operator:

21.03.2012		W. Treffke	
Date	Eurofins Lab.	Name	Signature

Technical responsibility for area of testing:

21.03.2012		J. Zimmermann	
Date	Eurofins	Name	Signature

1.2 Testing laboratory

1.2.1 Location

EUROFINS PRODUCT SERVICE GMBH

Storkower Straße 38c

D-15526 Reichenwalde b. Berlin

Germany

Telefon : +49 33631 888 00

Telefax : +49 33631 888 66

1.2.2 Details of accreditation status

DAKKS ACCREDITED TESTING LABORATORY

DAKKS-REGISTRATION NUMBER: D-PL-12092-01-01

RECOGNIZED NOTIFIED BODY EMC

REGISTRATION NUMBER: BNetzA-bS EMV-07/61

RECOGNIZED NOTIFIED BODY R&TTE

REGISTRATION NUMBER: BNetzA-bS-02/51-53

FCC FILED TEST LABORATORY

REG.-No. 96970

A2LA ACCREDITED TESTING LABORATORY

CERTIFICATE No. 1983.01

BLUETOOTH QUALIFICATION TEST FACILITY (BQTF)

ACCREDITED BY BLUETOOTH QUALIFICATION REVIEW BOARD

INDUSTRY CANADA FILED TEST LABORATORY

REG. No. IC 3470

1.3 Details of approval holder

Name	: Polycom Inc.
Street	: 4750 Willow Road
Town	: Pleasanton
Country	: 94588-2708 USA
Telephone	: +44 1753 723 011
Contact	: Mr. Tony Griffiths
Telephone	: +44 1753 723 011
E-mail	: tony.griffiths@polycom.com

1.4 Application details

Date of receipt of application : 2012-01-02
 Date of receipt of test item : 2012-01-02
 Date of test : 14.02.2012

1.5 Test item

Description of test item : Isochronous UPCS device, cordless phone based on DECT modified technology.

Function	
Portable part	<input checked="" type="checkbox"/>
Base station	<input checked="" type="checkbox"/>
Repeater	

Description of test item : DECT radio module

Type identification : KT4586

Brand Name : Polycom KIRK

Serial number : None

Photos : See annex

Technical data

Frequency bands : 1920 – 1930 MHz

Operating Channel numbers	Test Frequencies	Channel center frequency (MHz)
4	F_L	1921.536
3		1923.264
2		1924.992
1		1926.720
0	F_H	1928.448

Number of channels : 60 (in time and spectrum window, declared by manufacturer)

Operating modes : MC/TDMA/TDD

Type of modulation : GFSK

Max. slot type:

single slot	<input checked="" type="checkbox"/>
double slot	<input type="checkbox"/>

Fixed point-to-point operation: Yes/No

Antenna	Type	Gain [dBi]	internal	external
1	PCB monopole antenna	1.2dBi	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	PCB monopole antenna	1.2dBi	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Antenna diversity :

Antenna	Diversity supported	
	Tx	Rx
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Host device : none

Classification : related to radio frequency radiation exposure

Fixed Device	<input type="checkbox"/>
Mobile Device (Human Body distance > 20cm)	<input type="checkbox"/>
Portable Device (Human Body distance < 20cm)	<input checked="" type="checkbox"/>

Power supply : 3.0VDC (Battery)
120VAC (Switching power adaptor) / model: UE08WCP-050100SPA

Data connection :

Connection	used
None	<input type="checkbox"/>
PSTN	<input type="checkbox"/>
Data Networks	<input type="checkbox"/>
others	<input checked="" type="checkbox"/>

Remark: Devices intended to be connected to PSTN have to be applied for FCC PART 68 registration, in USA and for Industry Canada standard CS-03.

Manufacturer:

(if applicable)

Name : Polycom Inc.
Street : 4750 Willow Road
Town : Pleasanton
Country : USA

1.6 Test standards

Technical standard : FCC PART 15, Subpart D; RSS-213, Issue 2, 2005

Test method and procedure: Following requirements of FCC Part 15 D, RSS-213 and ANSI C63.17-2006

Additional information: The row scheme for frequency generation, radio channels, receiver parameters, synchronization procedure, and other parameters are determined by the DECT standard. Details are content of operational description provided by manufacturer.

Class II permissive change tests are performed to show compliance of the modular transmitter and the stated antenna model with the FCC rules. Due to the fact that a modified antenna model doesn't affect conducted measurement results only radiated spurious emission are tested.

The module is to be used as portable part and fixed part both configurations are stated in this report.

2. Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.

or

The deviations as specified in 3.0 were ascertained in the course of the tests performed.

2.2 Test environment

Temperature : 23°C

Relative humidity content : 20 ... 75 %

Air pressure : 86 ... 103 kPa

Details of power supply : 3.0VDC

Extreme conditions parameters: : test voltage - extreme min : --
(manufacturer declaration) max: --

temperatures – extreme min: --°C 1)
max: --°C 1)

Remarks: 1) declared by manufacturer

2.3 Test equipment utilized

No.	Test equipment	Type	Manufacturer	Cal Date	Cal Due
ETS 0012	Biconical Antenna	HK 116	R & S	2010-01	2013-01
ETS 0013	LPD Antenna	HL 223	R & S	2012-01	2014-01
ETS 0014	Log Periodical Antenna	HL 025	R & S	2011-11	2013-11
ETS 0031	Turn table	DS 412	Heinrich Deisel		
ETS 0268	RF Signal Generator (High power synthesizer/ sweeper)	SMP 02	R & S	2011-03	2013-03
ETS 0125	Reference dipole	0003126-1880	ETS Lindgren	2009-12	2014-12
ETS 0253	Spectrum Analyzer	FSIQ 26	R & S	2011-11	2012-11
ETS 0267	RF Signal Generator	SMT 03	R & S	2011-01	2013-01
ETS 0255	Signal Generator	SMIQ03	R & S	2010-08	2012-08
ETS 0288	Artificial mains	ESH2-Z5	R & S	2010-09	2012-09
ETS 0310	Anechoic chamber	AC 3	Frankonia	2007-02	2012-02
ETS 0474	EMI Test Receiver	ESCS 30	R&S	2011-06	2012-06
ETS 0495	RF Step Attenuator	RSP	R & S	2011-10	2013-10
ETS 0496	Spectrum Analyzer	FSP	R & S	2011-12	2012-12
ETS 0497	Power Meter	NRVD	R & S	2011-02	2013-02
ETS 0498	Diode Power Sensor	NRV-Z1	R & S	2011-04	2013-04
ETS 0500	Signal Generator	SMIQ03	R & S	2011-03	2013-03
ETS 0539	Signal Generator	SMIQ03	R & S	2010-11	2012-11
ETS 0502	Power Splitter	DS-808-4	Macom	path calibration	path calibration

3. Results of Examinations and tests (enclosure)

TEST CASE	FCC Rules	RSS-213	Required	Customer Declaration	Test passed	Test failed
Coordination with fixed microwave service	15.307 (b)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reference to Subpart B	15.309 (b)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conducted limits AC Power line	15.315 , 15.207	4.2;6.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Antenna requirement	15.317, 15.203		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Modulation techniques	15.319 (b)	6.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emission bandwidth	15.323 (a)	6.4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Peak Transmit Power	15.319 (c)	4.3.1;6.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power spectral density	15.319 (d)	4.3.1;6.6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Directional gain of the antenna	15.319 (e)	4.1 (e)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic discontinuation of transmission	15.319 (f)	4.3.4 (a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radio frequency radiation exposure	15.319 (i)	RSS – 102 Gen 5.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring threshold	15.323(c)(2); (c)(9)	4.3.4 (b)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring of intended transmit window and maximum reaction time	15.323(c)(1)	4.3.4 (b)(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring bandwidth	15.323 (c)(7)	4.3.4 (b)(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Random waiting interval	15.323 (c)(6)	4.3.4 (b)(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Duration of transmission	15.323 (c)(3)	4.3.4 (b)(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Connection acknowledgement	15.323 (c)(4)	4.3.4 (b)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Selected channel confirmation, power accuracy, segment occupancy	15.323 (c)(5)	4.3.4 (b)(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring antenna	15.323 (c)(8)	4.3.4 (b)(8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Duplex connections	15,323 (c)(10)	4.3.4 (b)(10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative monitoring interval for co-located devices	15.323 (c)(11)	4.3.4 (b)(11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fair access to spectrum related to (c)(10) and (c)(11)	15.323 (c)(12)	4.3.4 (b)(12)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emissions inside and outside the sub-band, spurious emissions	15.323 (d)	6.7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frame period	15.323 (e)	4.3.4 (c)				<input type="checkbox"/>
Frequency stability	15.323 (f)	6.2				<input type="checkbox"/>
Receiver spurious emissions		6.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.1 Examinations and Test Procedures

The test procedures are performed following the requirements of FCC Part 15, RSS-213 and test standard ANSI C63.17-2006 [American National Standard for Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices].

3.1.1 Peak transmit power

Related Rules and Regulations: FCC 15.319 (c), FCC 15.31(e); RSS–213 4.3.1, 6.5

Peak transmit power shall not exceed 100 microwatts multiplied by the square root of the emission bandwidth in hertz. Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

The Peak transmit Power is measured according to ANSI 63.17 sub-clause 6.1.2. using test set-up No. 1. The limit for Peak Transmit Power has to be calculated according to following formula using the emission bandwidth measured before and the directional antenna gain.

$$\begin{aligned} \text{PTP} &= 100\mu\text{W} \times \sqrt{\text{EBW}} \\ \text{when } G_A \leq g \quad \text{PTP} &= 100\mu\text{W} \times \sqrt{\text{EBW} - (G_A - g)} \end{aligned}$$

EBW = emission bandwidth [Hz]

G_A = EUT antenna gain [dBi]

g = Allowable excess gain over that of an isotropic antenna without a transmit power reduction [$g = 3$ dB, acc. to FCC 15.319 (e)] and / or RSS–213 4.1(e)

The directional gain of used antenna has to be considered.

The test is performed with the variation of supply voltage of +/- 15% for FP. For PP a full battery is used. For devices with transmitter antenna diversity is checked that the feeding way to all antennas is identical. Therefore one conducted PTP measurements is sufficient.

Results:

On the attached diagrams PEAK AVG represents the related measurement value determined by values in time between T1 and T2.

Frequency [MHz]	Power [dBm]		
	for V_{nom}	for V_{max}	for V_{min}
F_L	19.5	--	--
F_H	19.7	--	--

Limit:

EBW [MHz]	Max. power [dBm]	Corrected by antenna gain > 3 dBi
1.46	20.82	0dBi

Verdict:

Pass	Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>

For measurements diagrams see Annex.

3.1.2 Radiated spurious emissions, generally requirements

Reference

FCC	CFR part 15.323(d), 15.205, 15.209, 15.35
IC	RSS-213 6.7

Emissions inside the sub-band

Testing of emissions inside the sub-band are performed using method 6.1.6.1 of ANSI C63.17. The applied emission mask limit was created using the current emission band width.

Comment: For results see diagrams in Appendix.

Emissions outside the sub-band

Out of sub band emissions are tested as radiated measurement band width of about 1% of emission band width near the band edges and at critical frequencies where the measurement values come near the limits. For practical reasons other frequencies the more stringent band width of 1 MHz is used. As test environment serves a fully anechoic chamber providing a free space environment (test set-up No. 3)

Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

In the Table being listed the critical peak and average value an exhibit the compliance with the above calculated Limits.

Limits for restricted bands

FCC & IC	20 dB below peak output power, emissions which fall in the restricted bands (15.205(a)) / (RSS-210 2.7) must comply the following limits: Frequencies below 1GHz:		
	Frequency of emission	Field strength	Field strength
	[MHz]	[µV / m]	[dBµV / m]
	30 - 88	100	40.0
	88 - 216	150	43.5
	216 - 960	200	46.0
	Above 960	500	54.0
For frequencies above 1 GHz (Avg measurements): 54.0 dBµV / m For frequencies above 1 GHz (Pk measurements): Limit + 20 dB = 54.0 dBµV / m + 20 dB = 74 dBµV / m			

Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results.

The peak and average spurious emission plots was measured with the average limits. In the Table being listed the critical peak and average value an exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Marker-Delta-Method" or the „Duty-Cycle Correction Factor“.

15.35 (c) Duty cycle correction average value

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds.

Duty cycle correction = $20 \log(\text{dwell time} / 100 \text{ ms or less})$

Duty cycle correction peak value

The analyzer setting was as following:

Frequency range	RES bandwidth		Video bandwidth	
	Pk	Avg	Pk	Avg
f < 1GHz	100 kHz	100 kHz	10 Hz	10 Hz
f > 1GHz	1 MHz	1 MHz	10 Hz	10 Hz

Set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from $20 \log(\text{dwell time} / 100 \text{ ms})$, in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

Test results
Summary table with radiated data of the test plots

Freq.	Used Ch.	Frequency Marker [MHz]	Polarization	Δ corrections dB	Max. Power level [dBm]	Compliance Limit [dBm]	Detector	BW [kHz]	Margin [dB]
1921	4	3.844	v		49.0	74	pk	10	-25.00
1921	4	3.844	h		49.4	74	pk	10	-24.60
1921	0	3862	v		49.2	74	pk	10	-24.80
1921	0	3862	h		50.6	74	pk	10	-23.40

Freq. - Frequency Range:

- 1: 30 – 200 MHz
- 2: 200 – 1000 MHz
- 3: 1 – 4 GHz
- 4: 4 – 8 GHz
- 5: 8 – 12 GHz
- 6: 12 – 17 GHz
- 7: 17 – 26,5 GHz

Comment: Only out-of-band unwanted emissions have been measured.

Verdict:

Pass	Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.1.3 Receiver spurious emissions, RSS-213 6.8

Receiver spurious emissions shall comply with the limits specified in RSS-Gen.
 For radiated measurements the resolution bandwidth of the spectrum analyzer shall be 100 kHz for spurious emissions below 1 GHz and 1 MHz above 1 GHz. For emissions below 1 GHz a CISPR quasi peak demodulator is used. Above 1 GHz an average detector is used.
 The receiver operating frequency shall be putted to the middle of the band for this test.

Results:

Device Frequency	Frequency marker indication [MHz]	Antenna polarization	Worst case emission level [$\mu\text{V/m}$]	Compliance limit [$\mu\text{V/m}$]	Results [$\mu\text{V/m}$]
RX	194.549	ver	48.31	150	-101.69
	192.846	hor	48.03	150	-101.97
	983.968	ver	12.82	500	-487.18
	935.872	hor	15.47	200	-184.53
	3916.000	ver	149.80	500	-350.20
	3790.000	hor	156.13	500	-343.87
	7808.000	ver	337.68	500	-162.32
	7952.000	hor	314.41	500	-185.59

Freq. – Frequency Range:

- 1: 30 – 200 MHz
- 2: 200 – 1000 MHz
- 3: 1 – 4 GHz
- 4: 4 – 8 GHz

For results see diagrams in Annex.

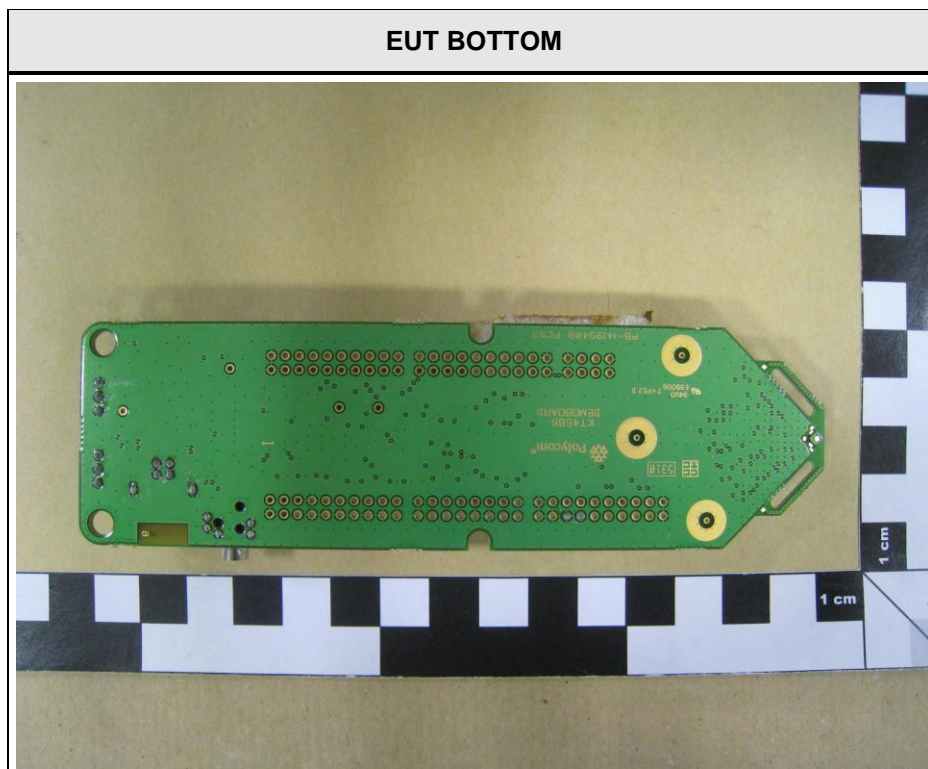
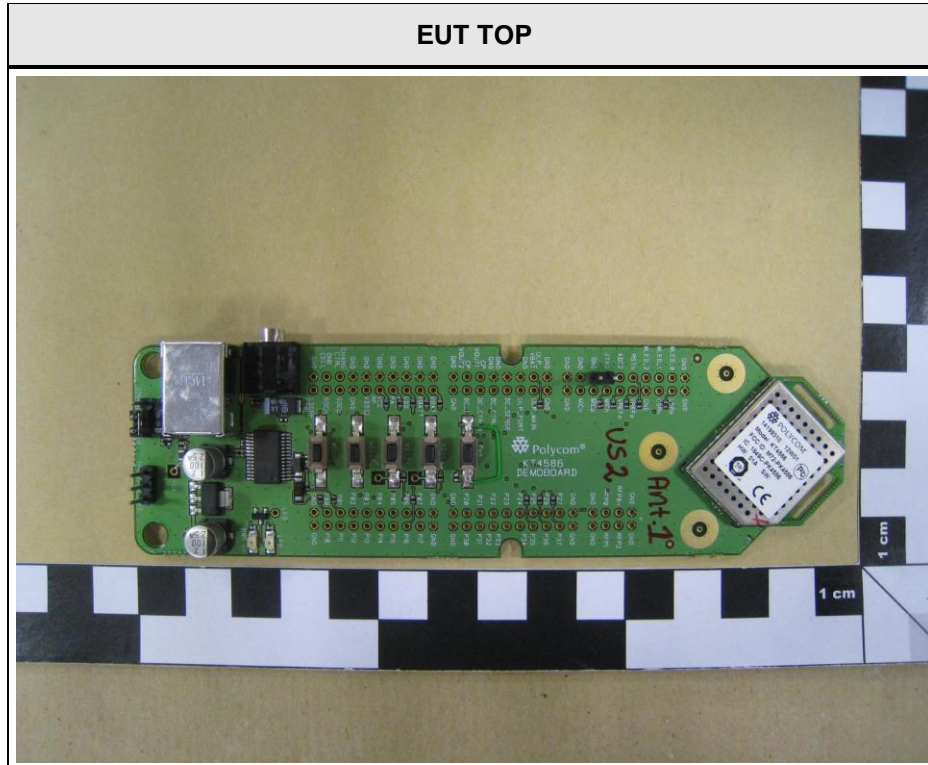
Limit:

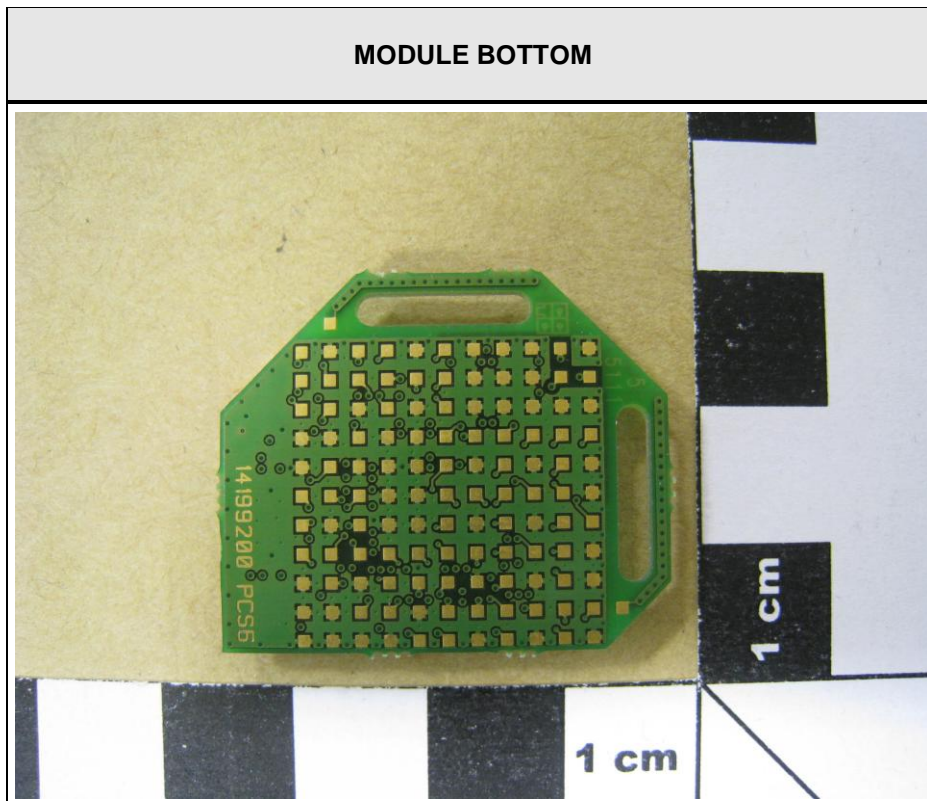
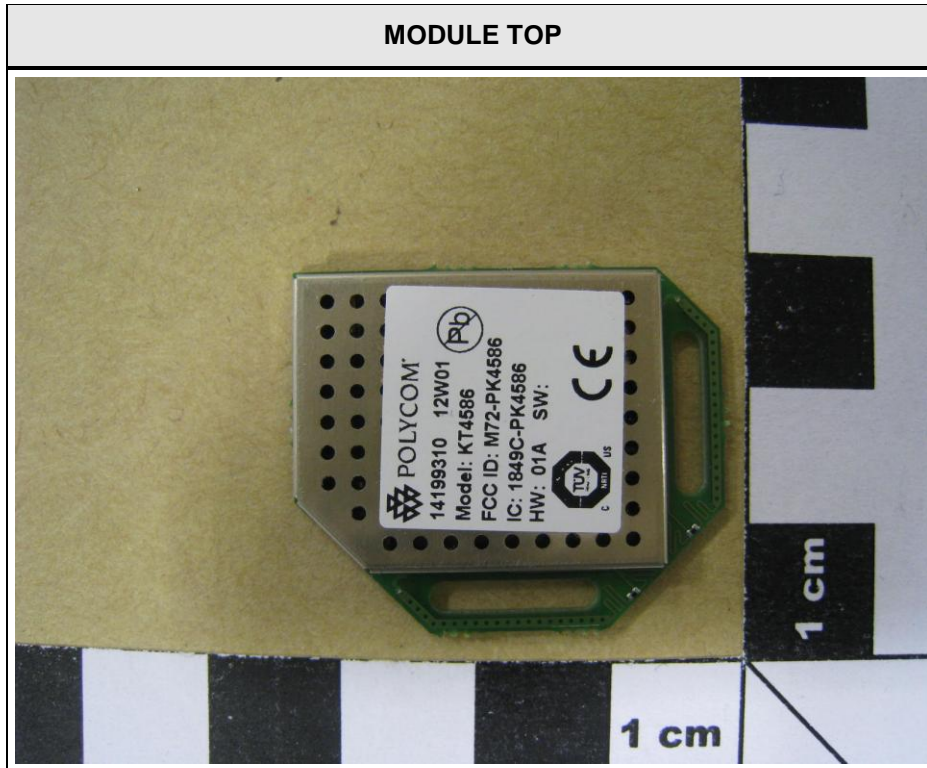
Spurious Frequency (MHz)	Field Strength (microvolt/m at 3 metres)	dB $\mu\text{V/m}$
30 – 88	100	40
88 – 216	150	43.5
216 – 960	200	46
Above 960	500	54

Verdict:

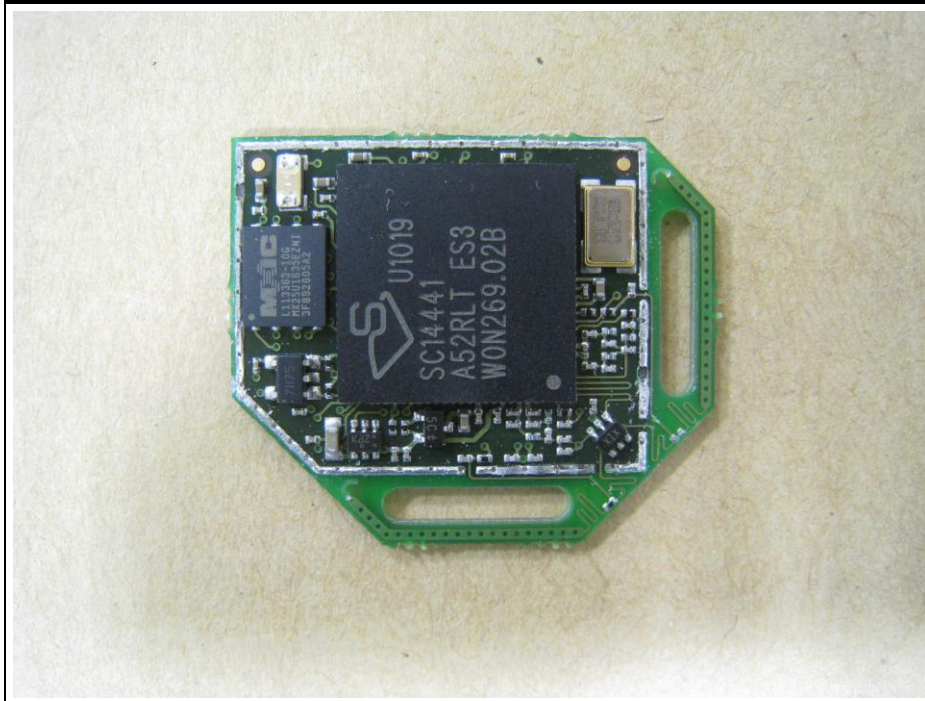
Pass	Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Annex A Photos

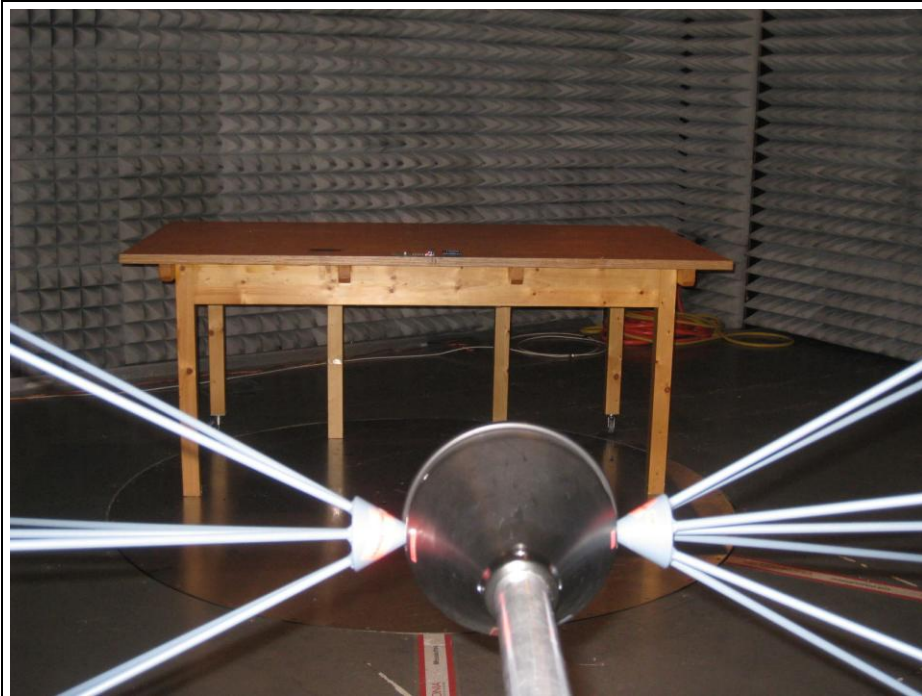




MODULE WITHOUT CASE



Test Setup radiated measurements

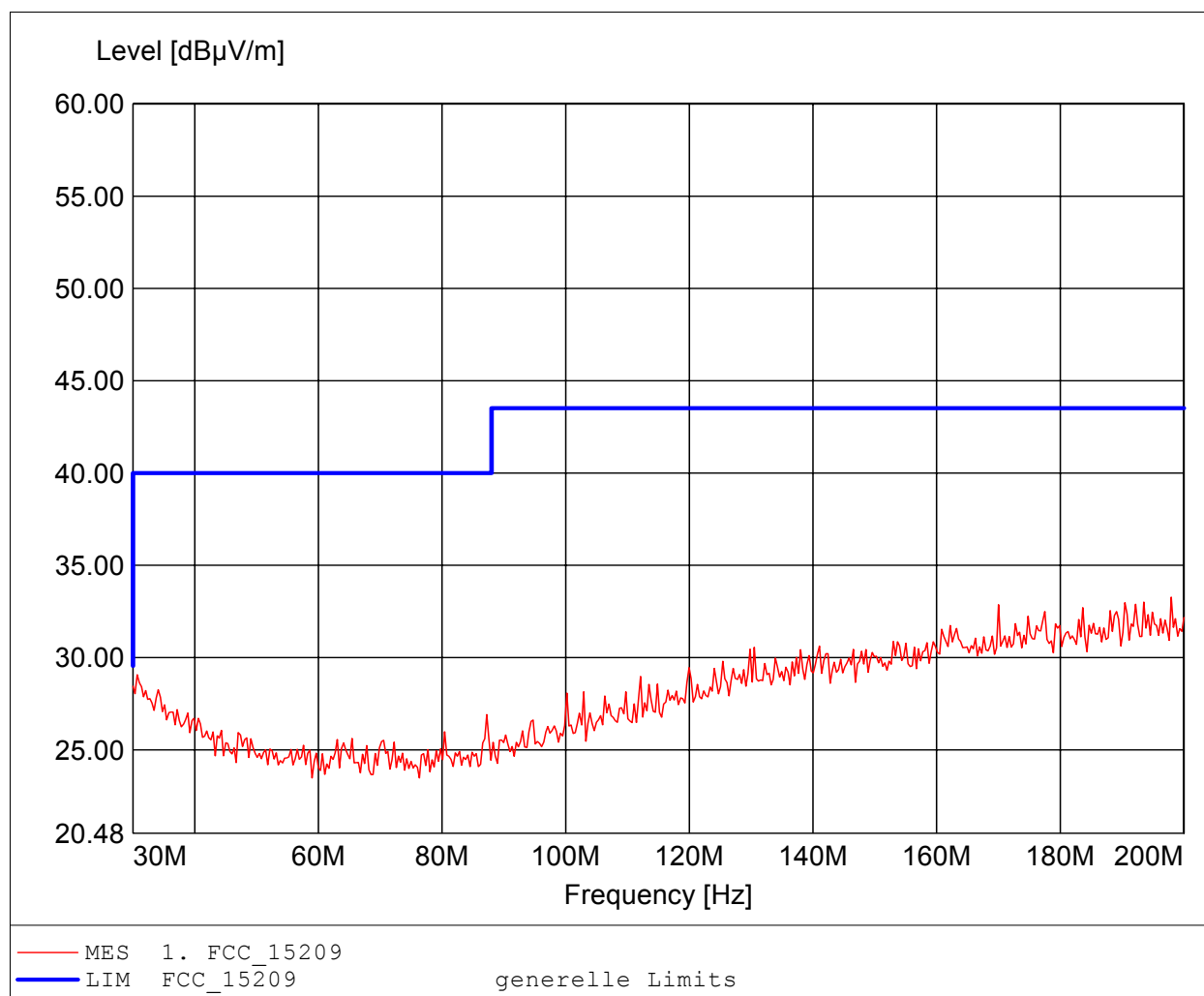


Annex B Transmitter radiated spurious emissions

Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

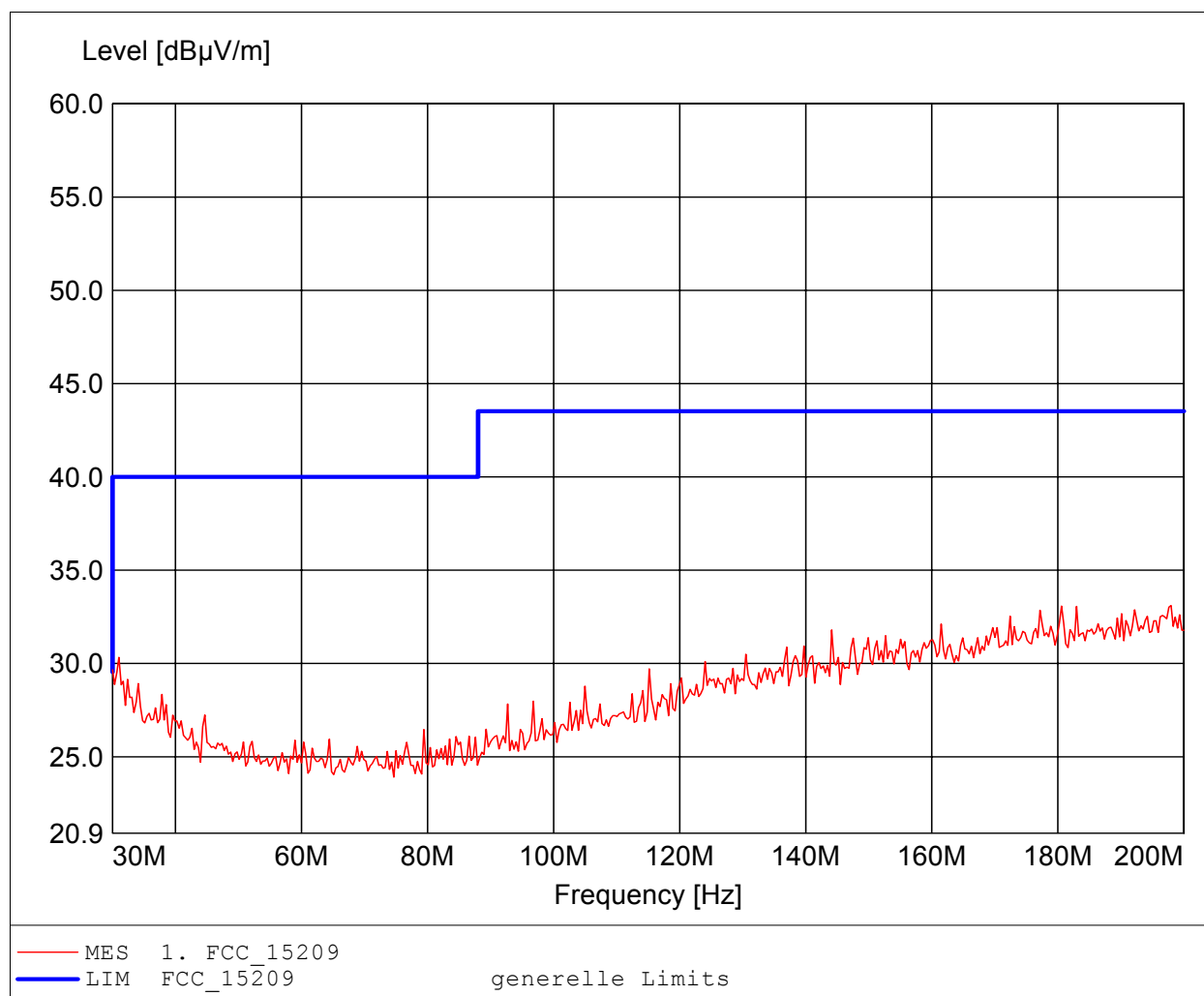
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq.: 197.956MHz, Emax: 33.27dBµV/m, RBW: 100kHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

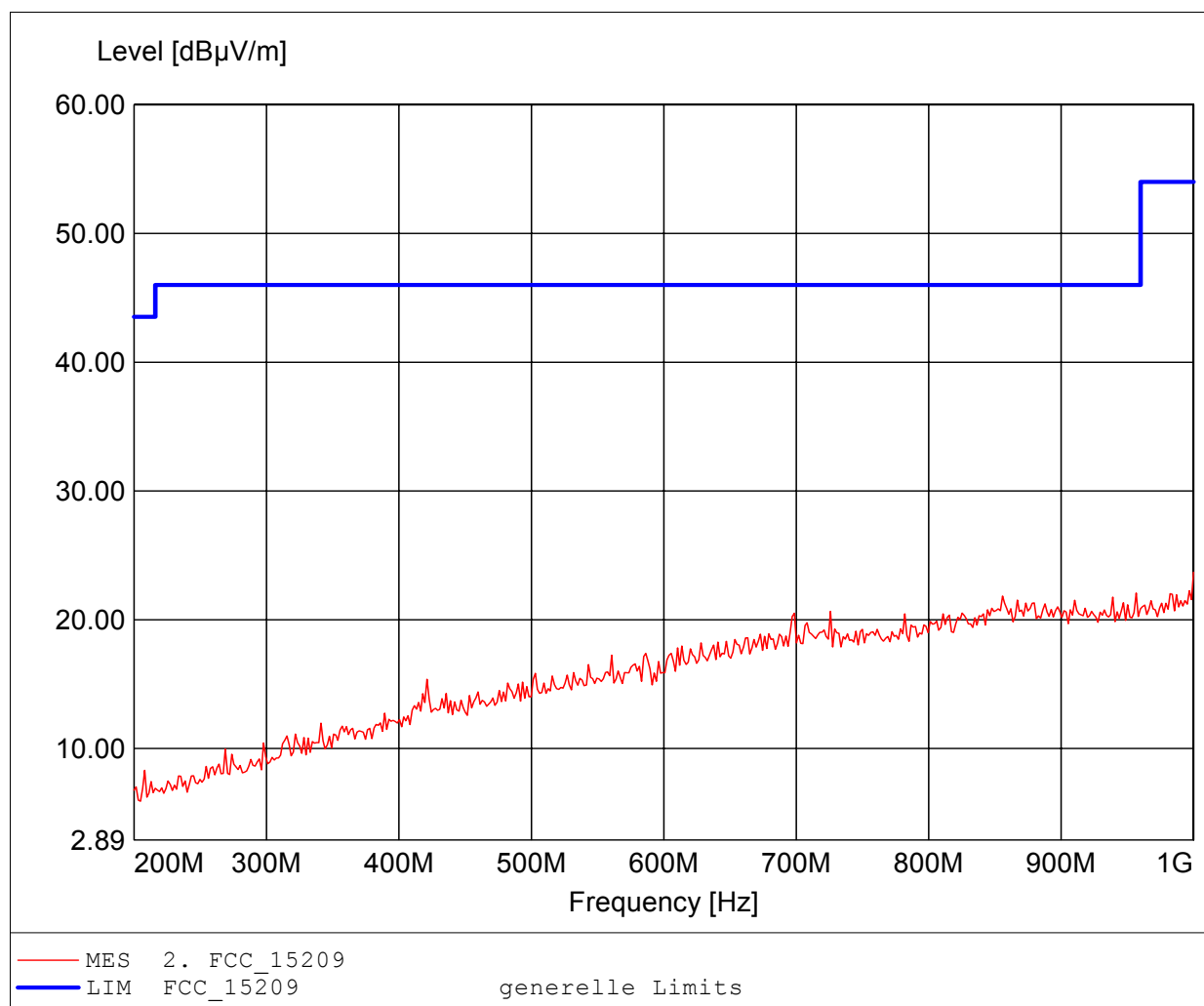
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq.: 197.956MHz, Emax: 33.11dBµV/m, RBW: 100kHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

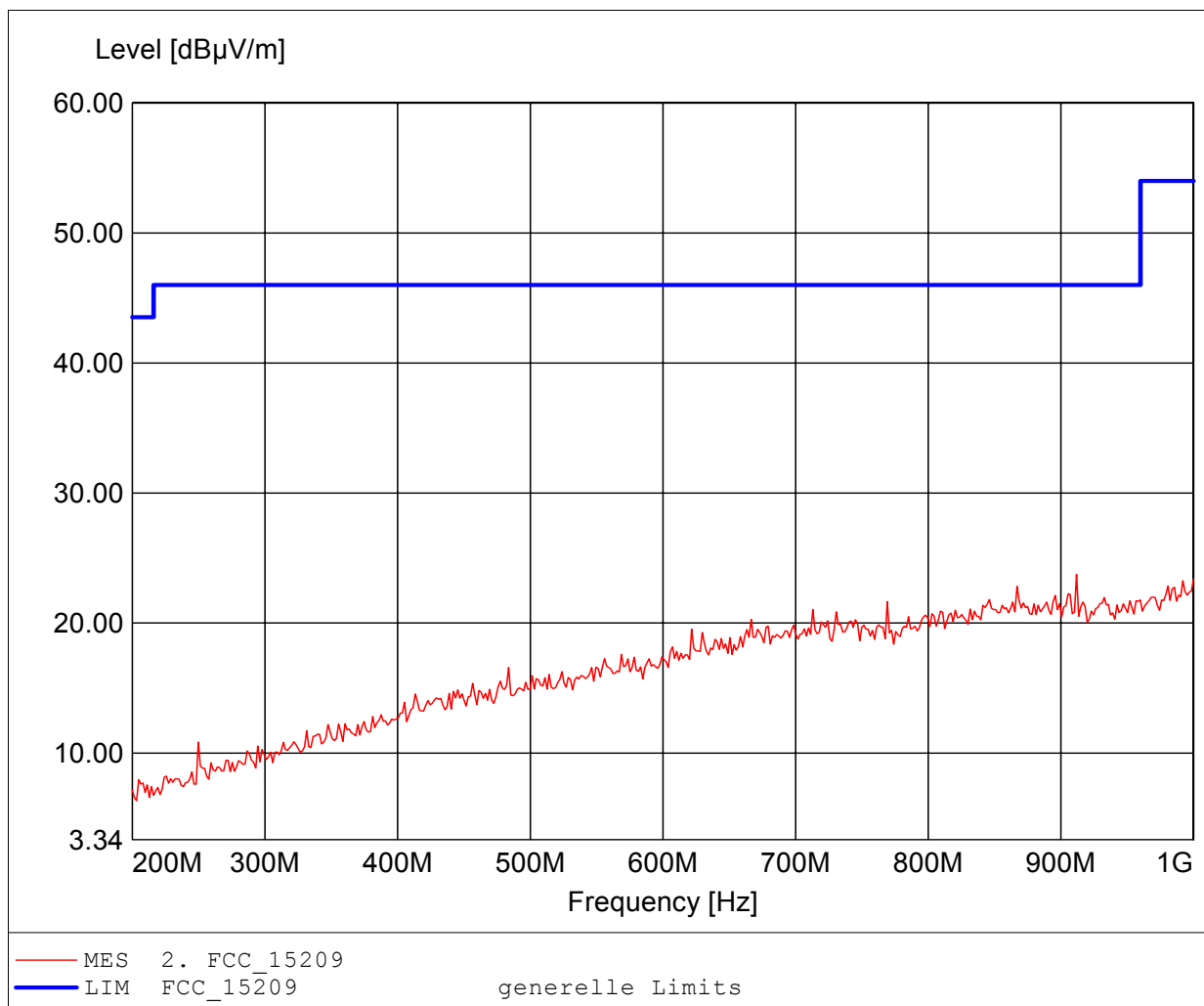
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq.: 1.000GHz, Emax: 23.70dBµV/m, RBW: 100kHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

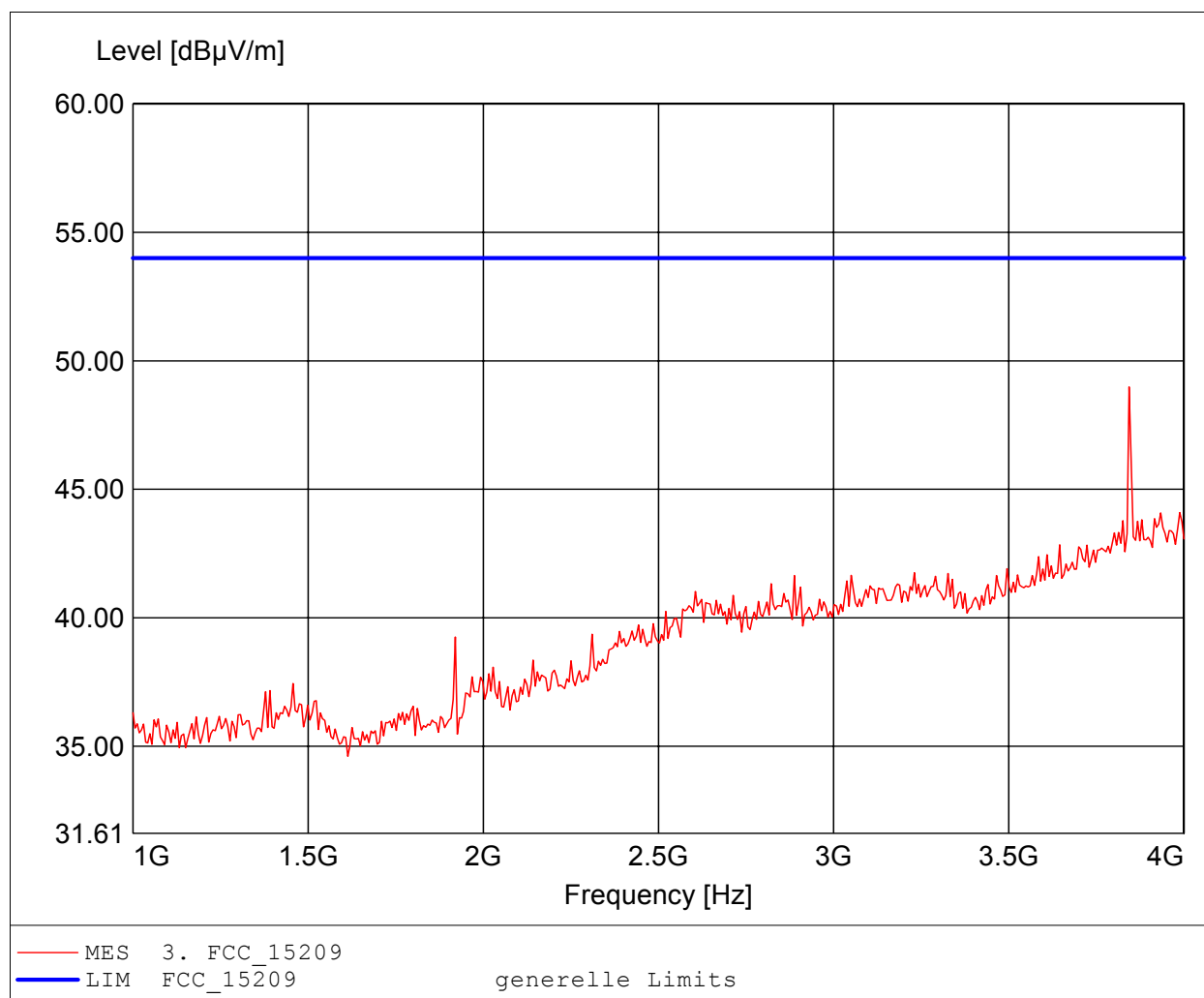
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq.: 911.824MHz, Emax: 23.74dBµV/m, RBW: 100kHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

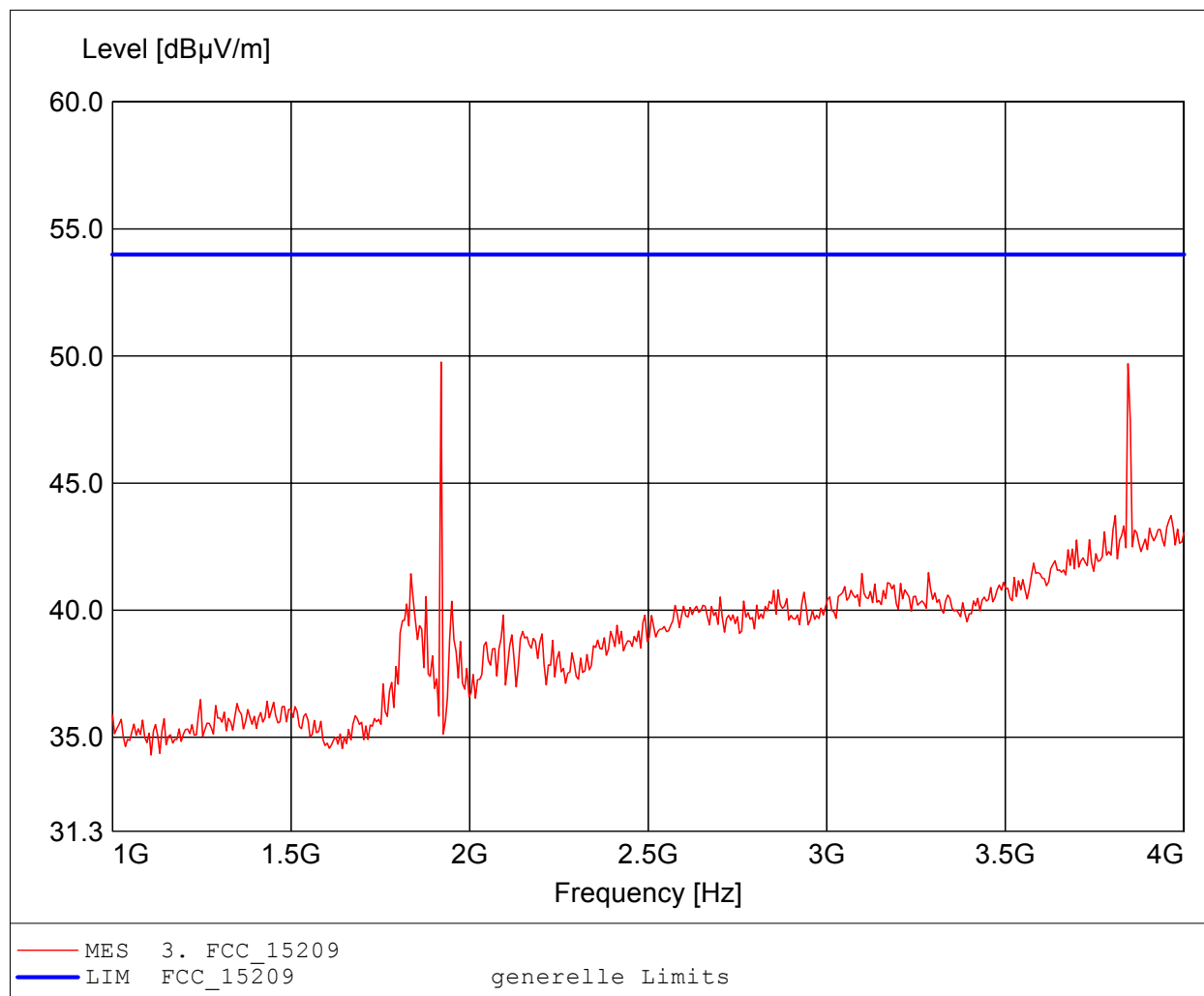
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, Notch-filter+ampl.
Comment 2: Freq.: 3.844GHz, Emax: 48.98dB μ V/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

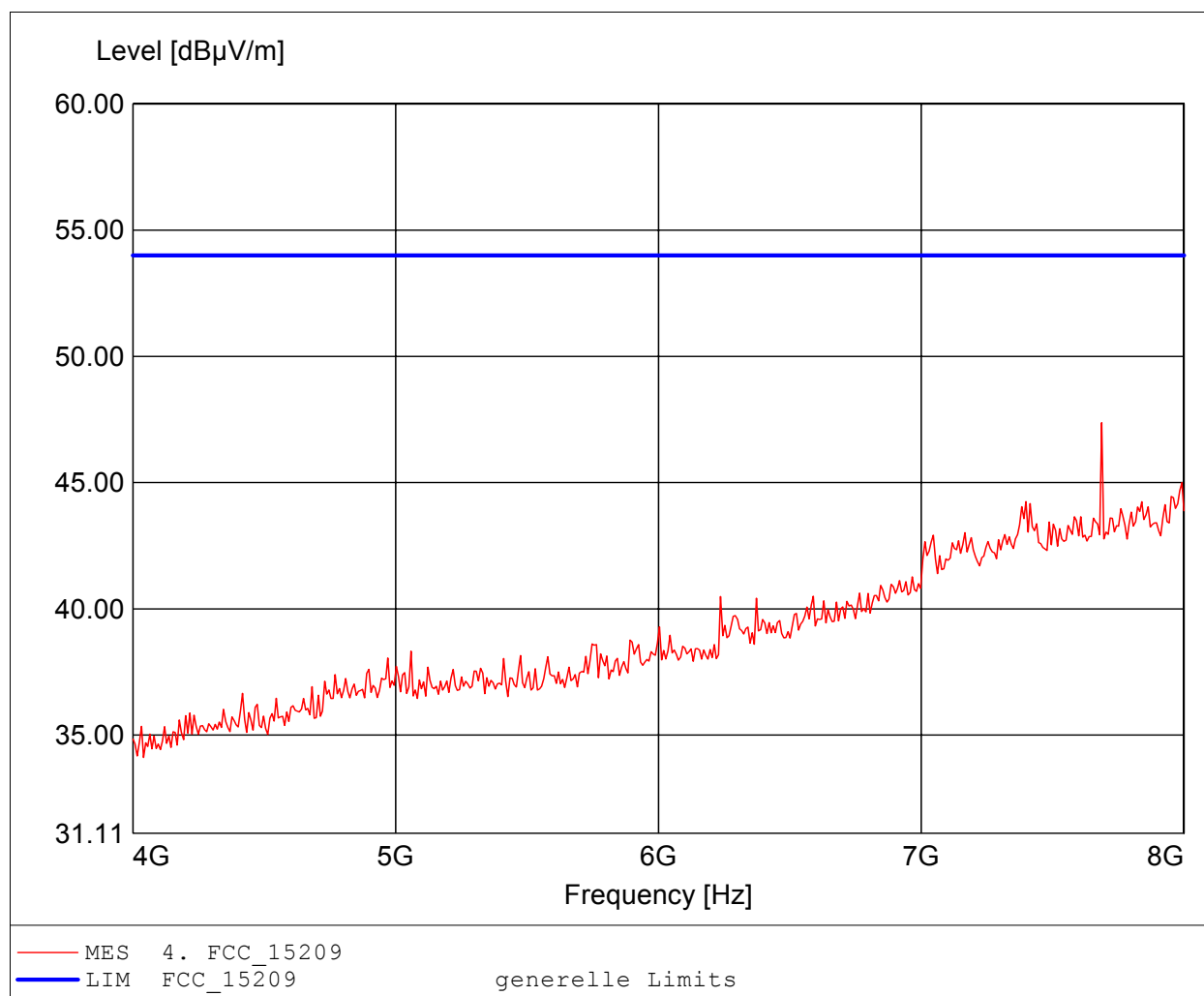
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, Notch-filter+ampl.
Comment 2: Freq.: 1.920GHz, Emax: 49.76dB μ V/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

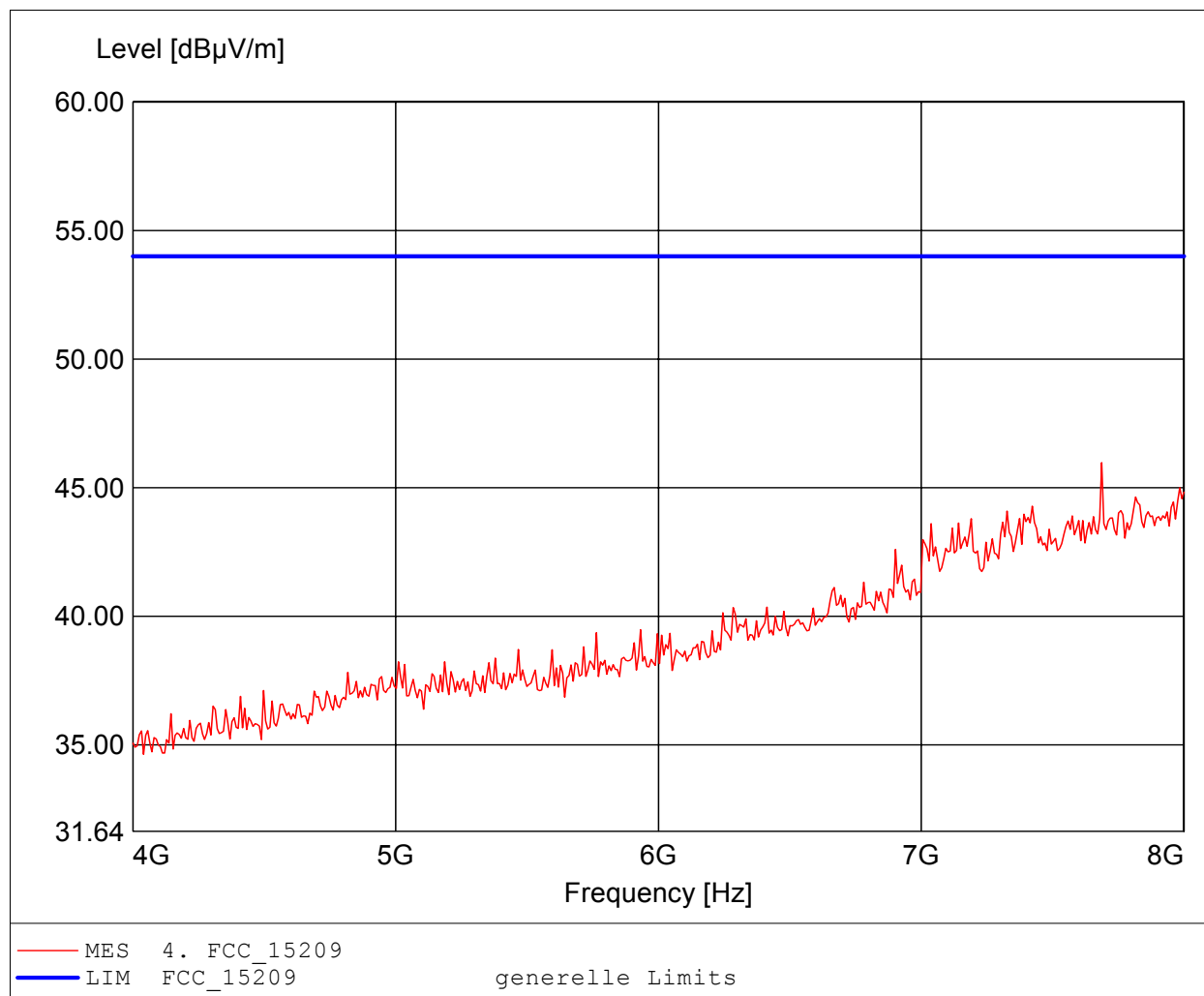
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 7.687GHz, Emax: 47.37dB μ V/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

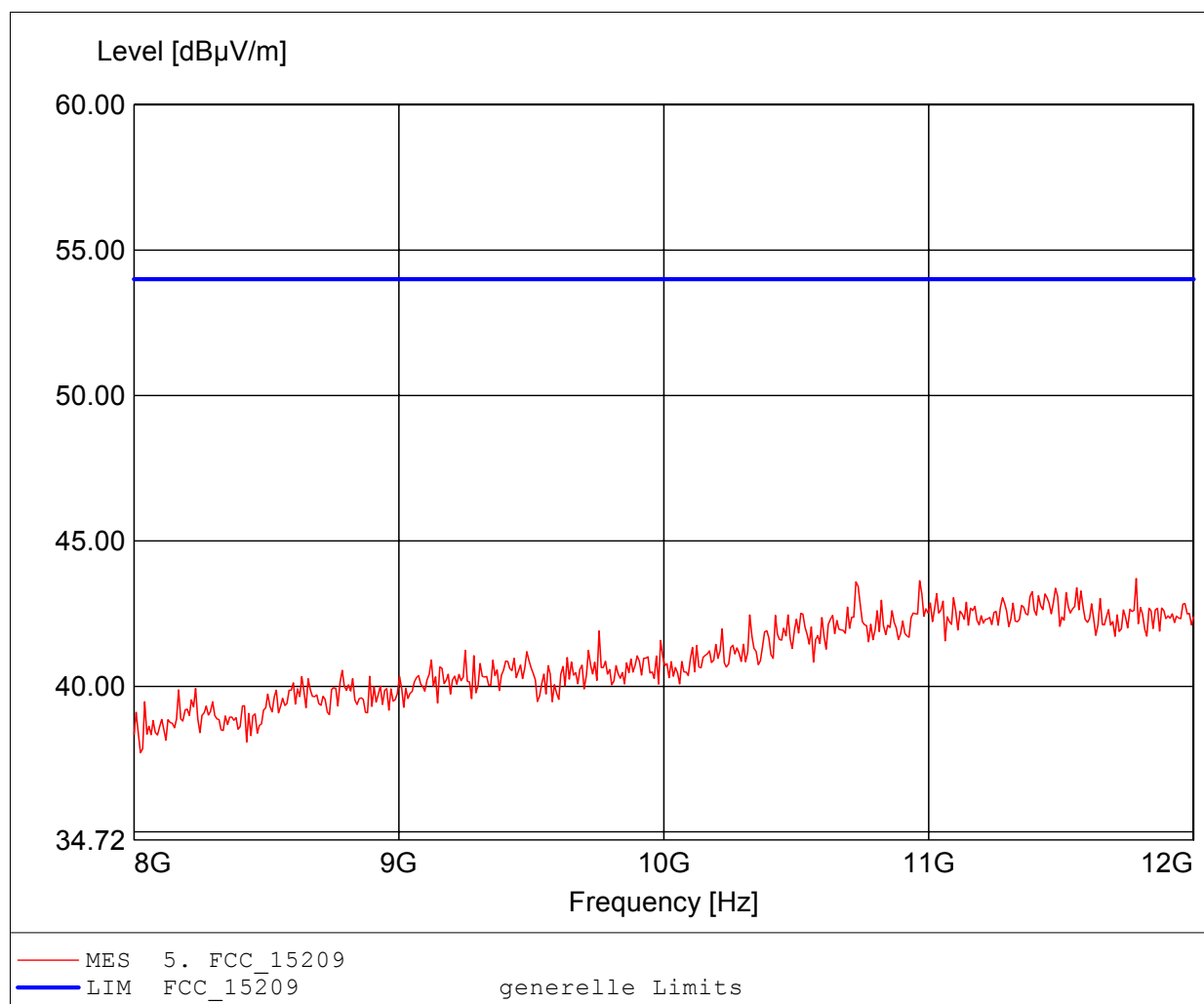
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 7.687GHz, Emax: 45.97dB μ V/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

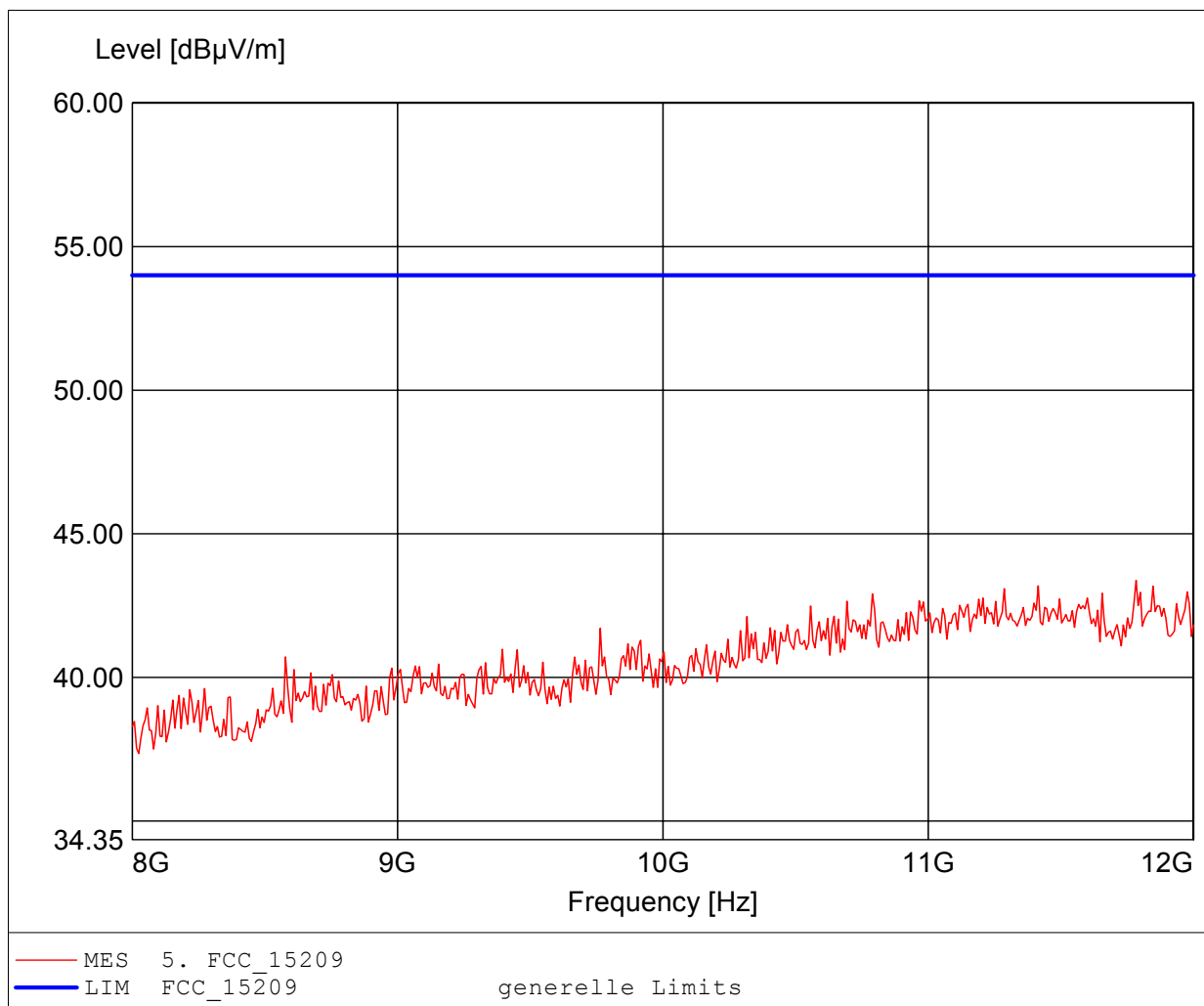
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 11.784GHz, Emax: 43.71dB μ V/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

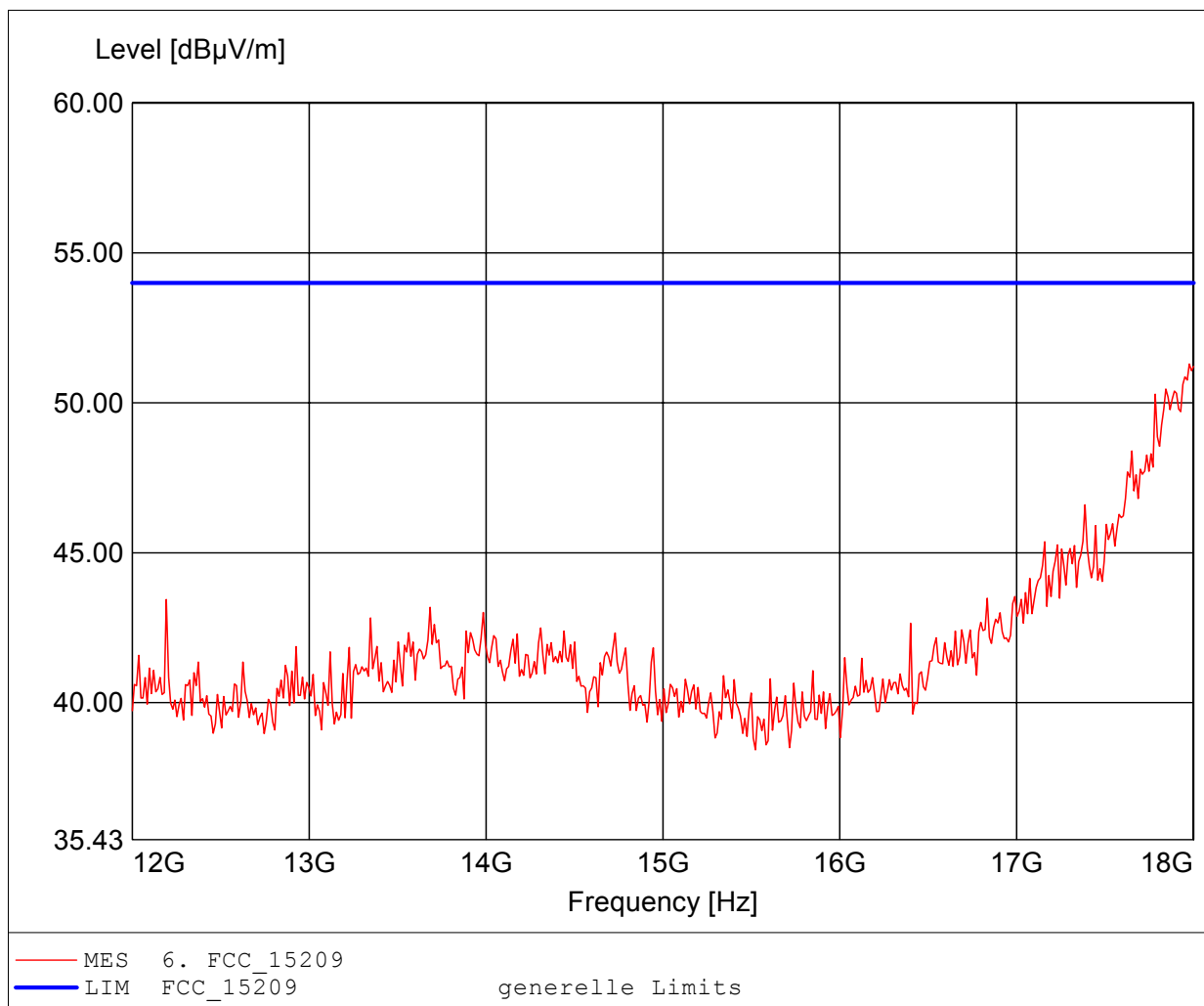
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 11.784GHz, Emax: 43.38dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

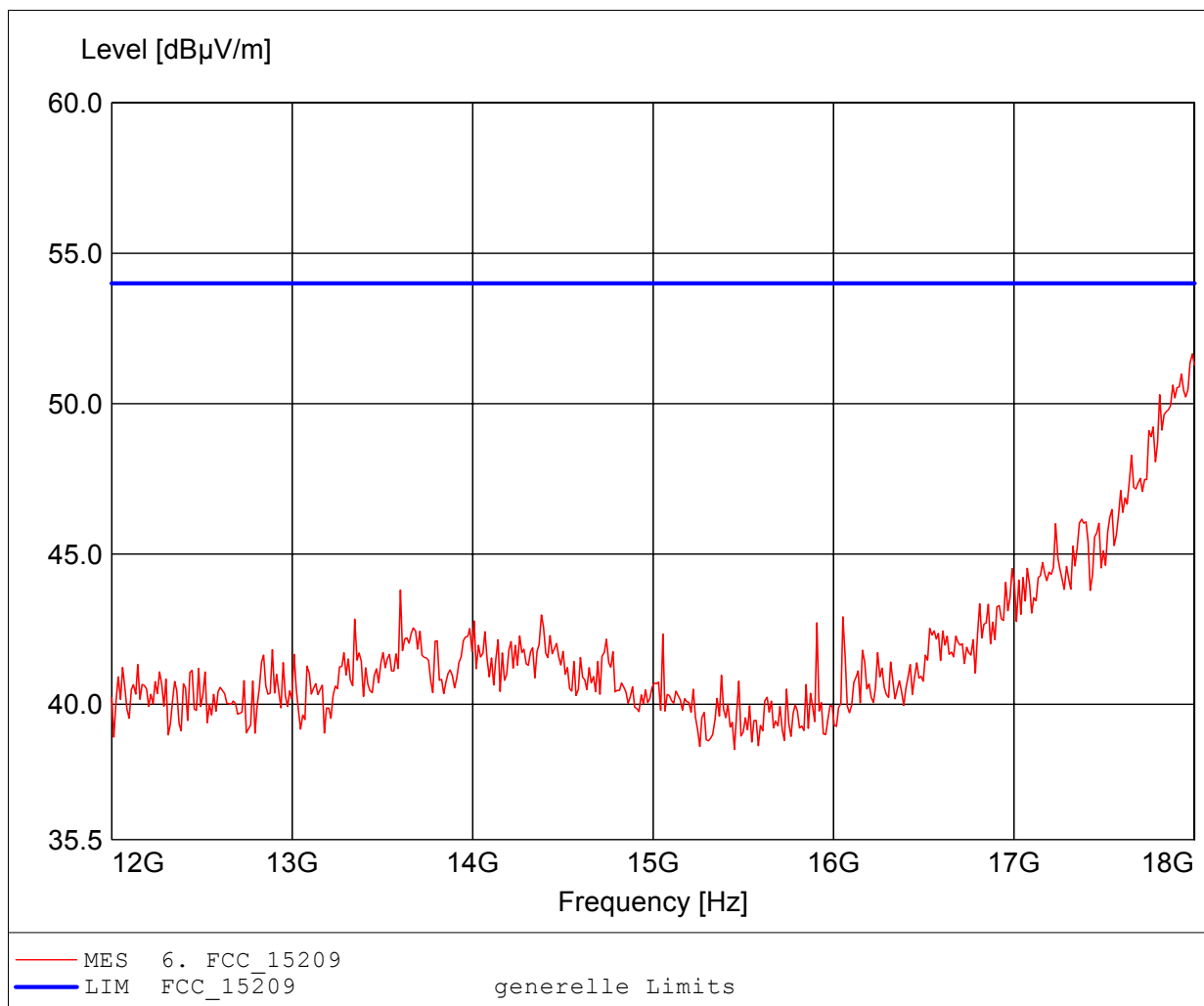
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 17.976GHz, Emax: 51.30dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

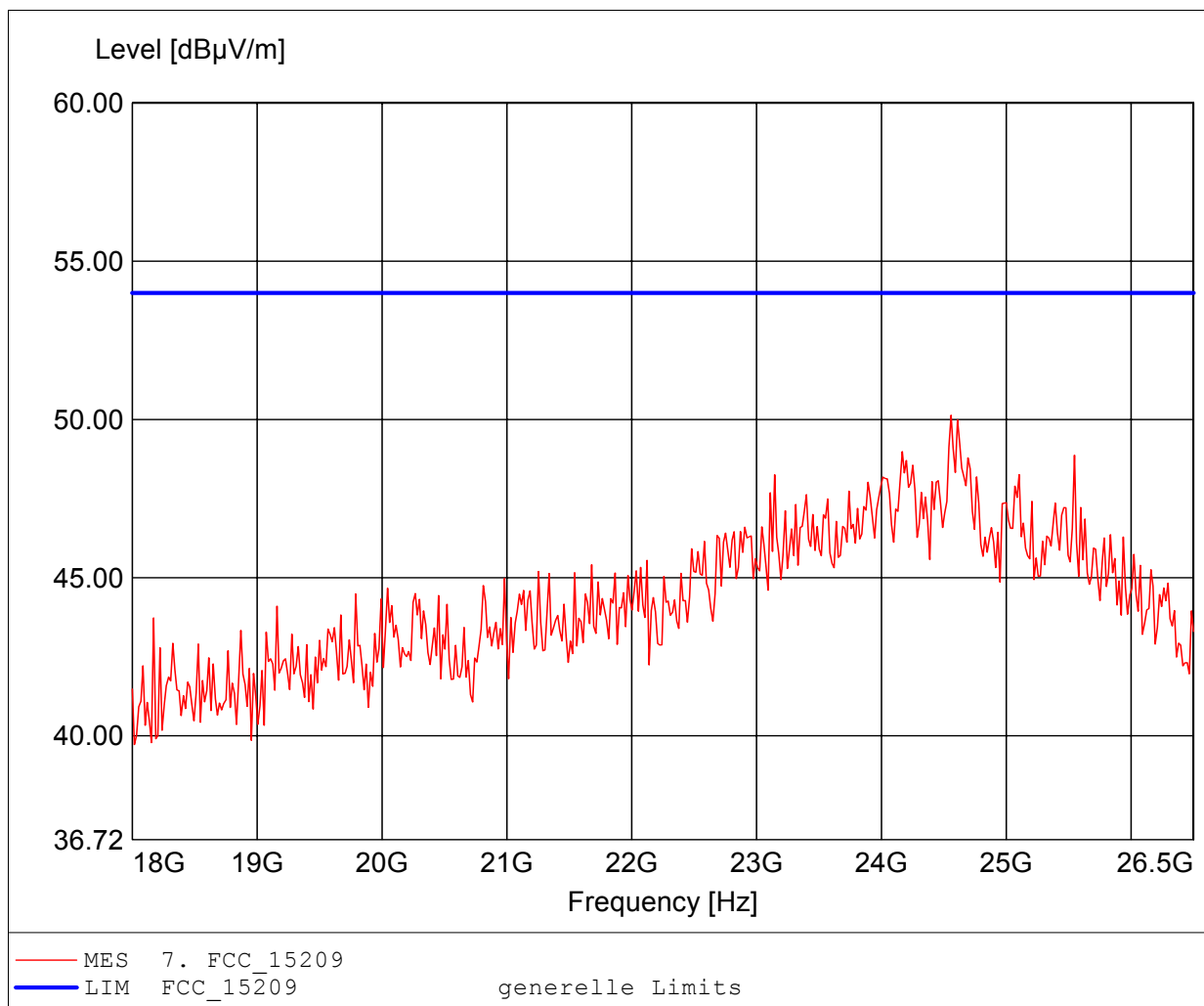
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 17.988GHz, Emax: 51.66dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

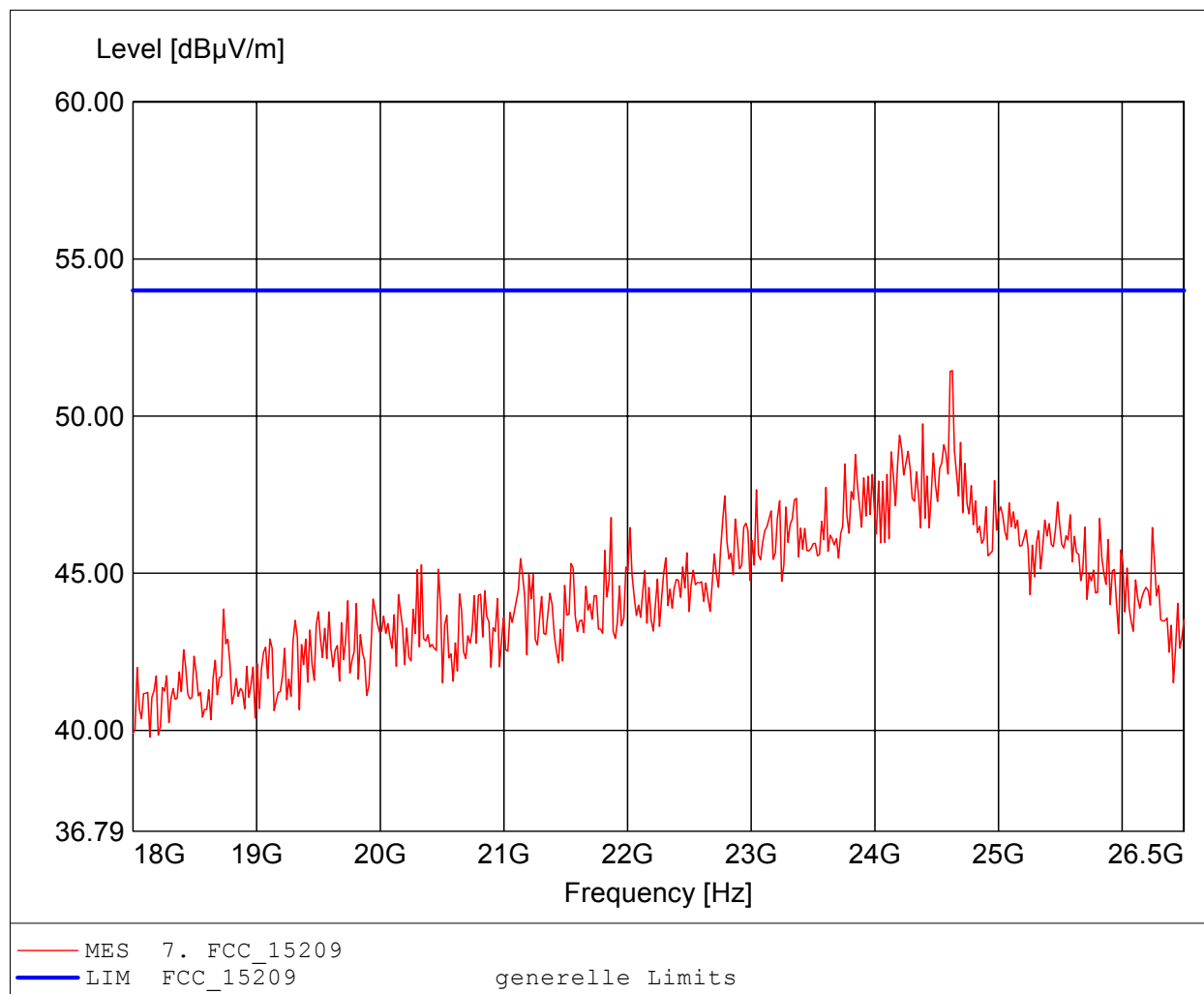
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq.: 24.558GHz, Emax: 50.13dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

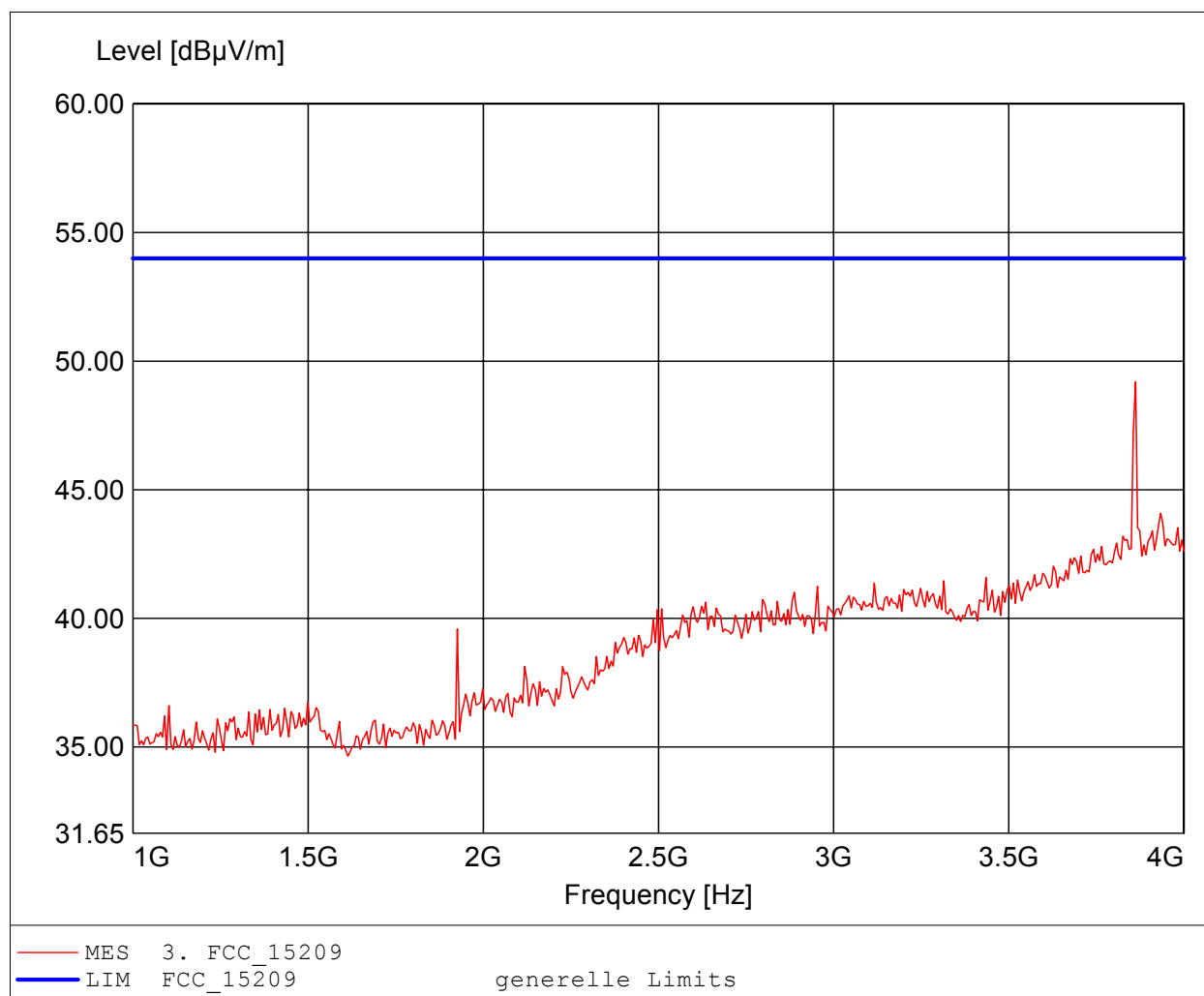
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 4
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq.: 24.626GHz, Emax: 51.45dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

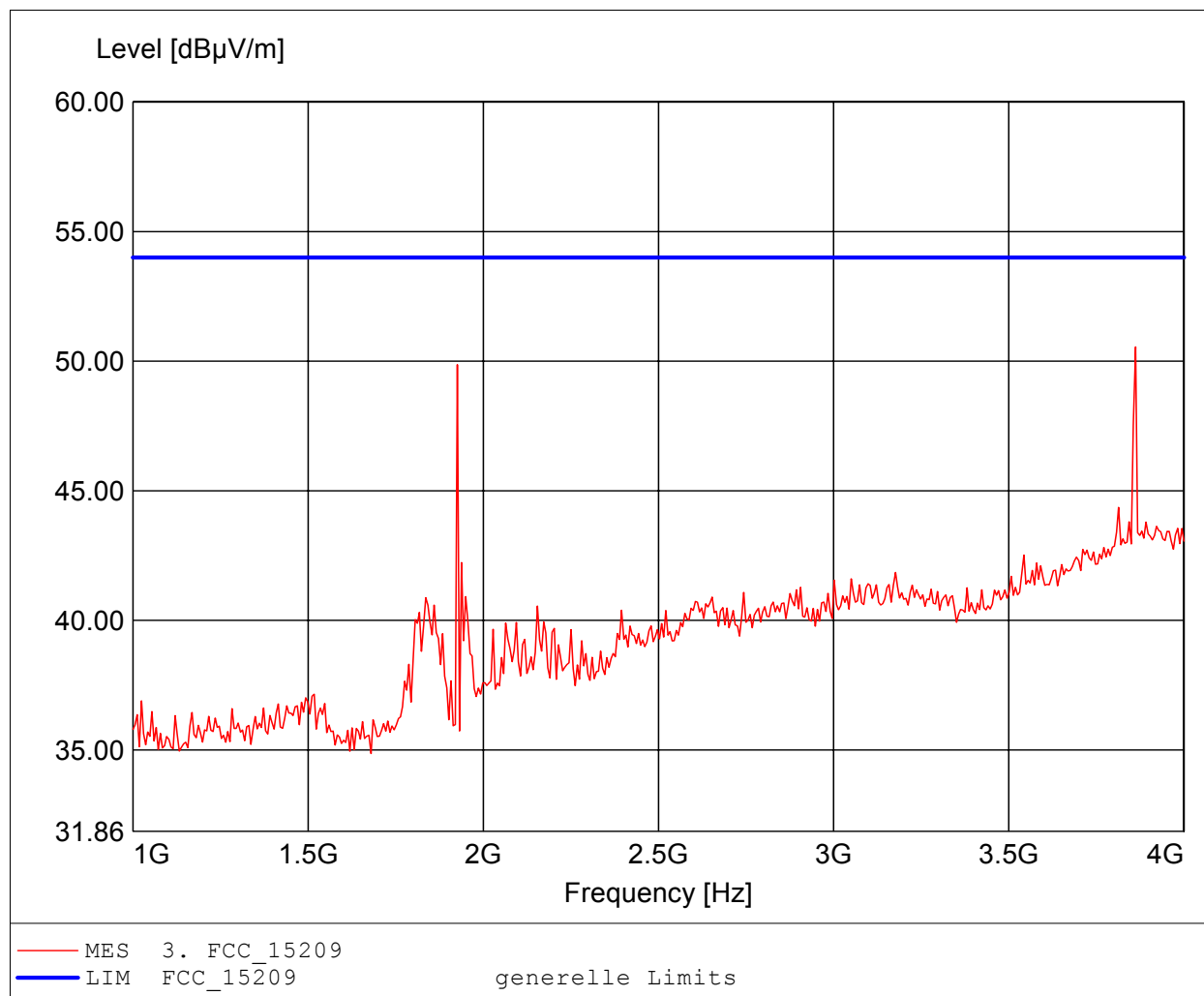
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, Notch-filter+ampl.
Comment 2: Freq.: 3.862GHz, Emax: 49.20dBuV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

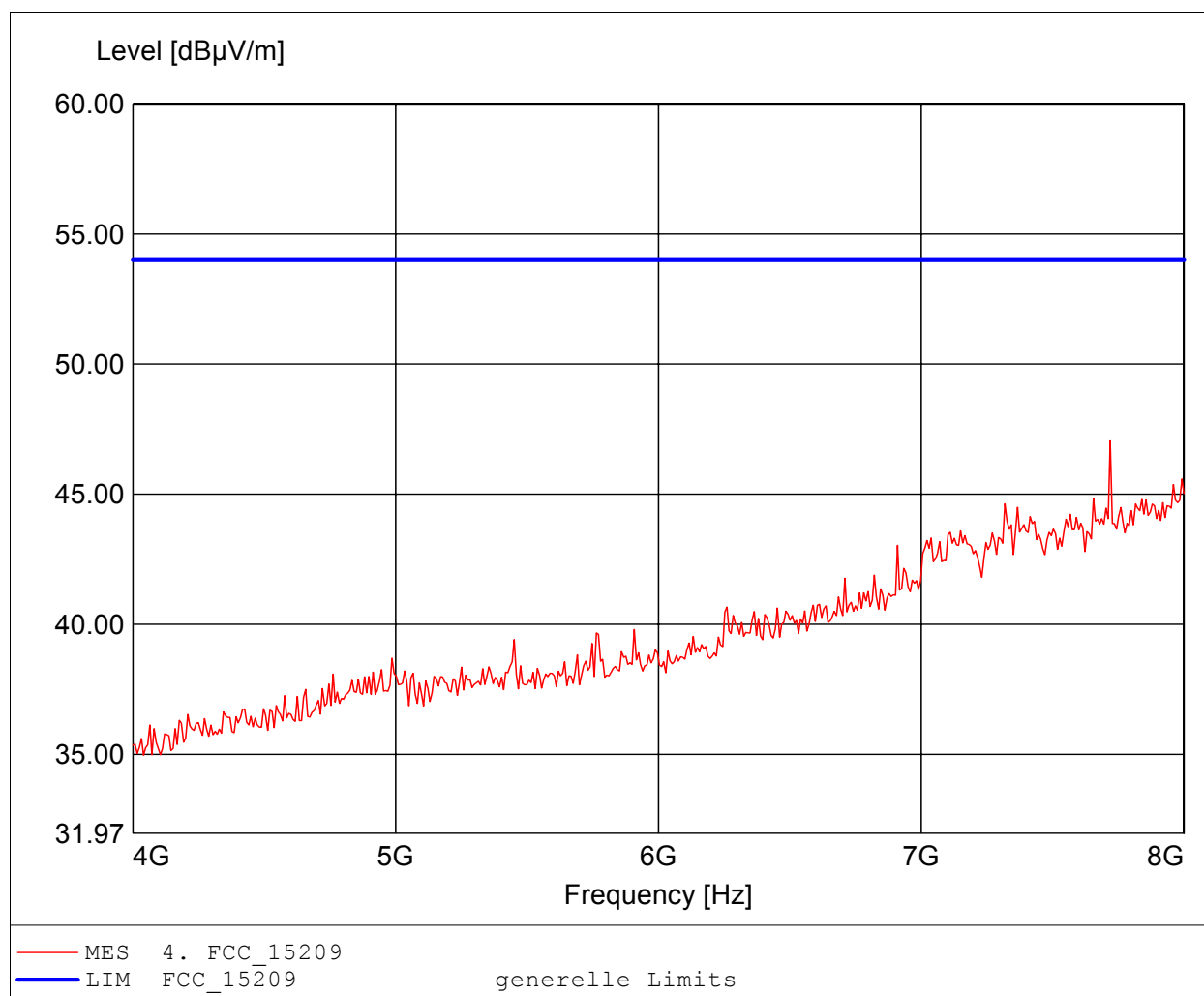
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, Notch-filter+ampl.
Comment 2: Freq.: 3.862GHz, Emax: 50.55dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

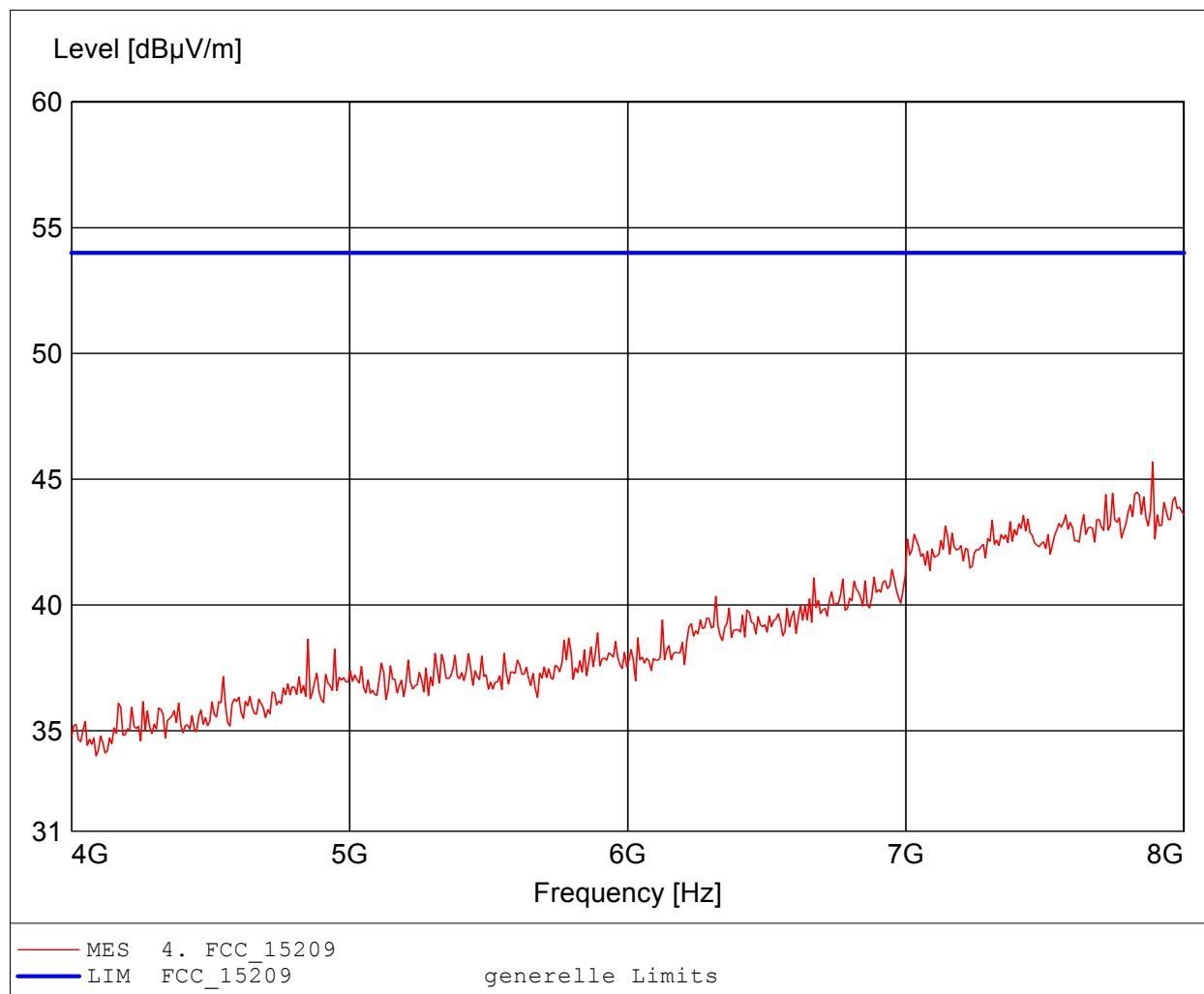
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 7.719GHz, Emax: 47.05dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

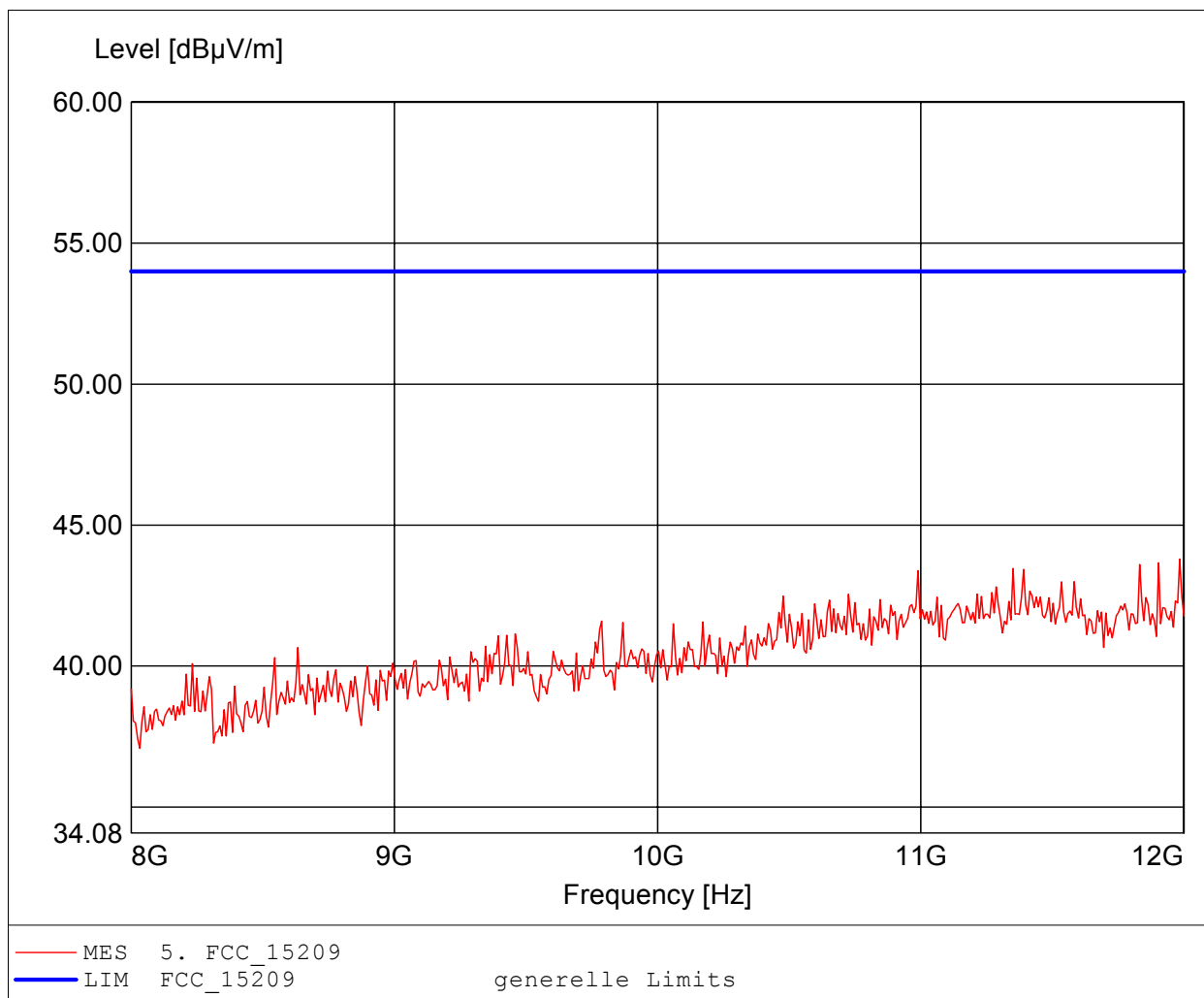
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 7.888GHz, Emax: 45.68dB μ V/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

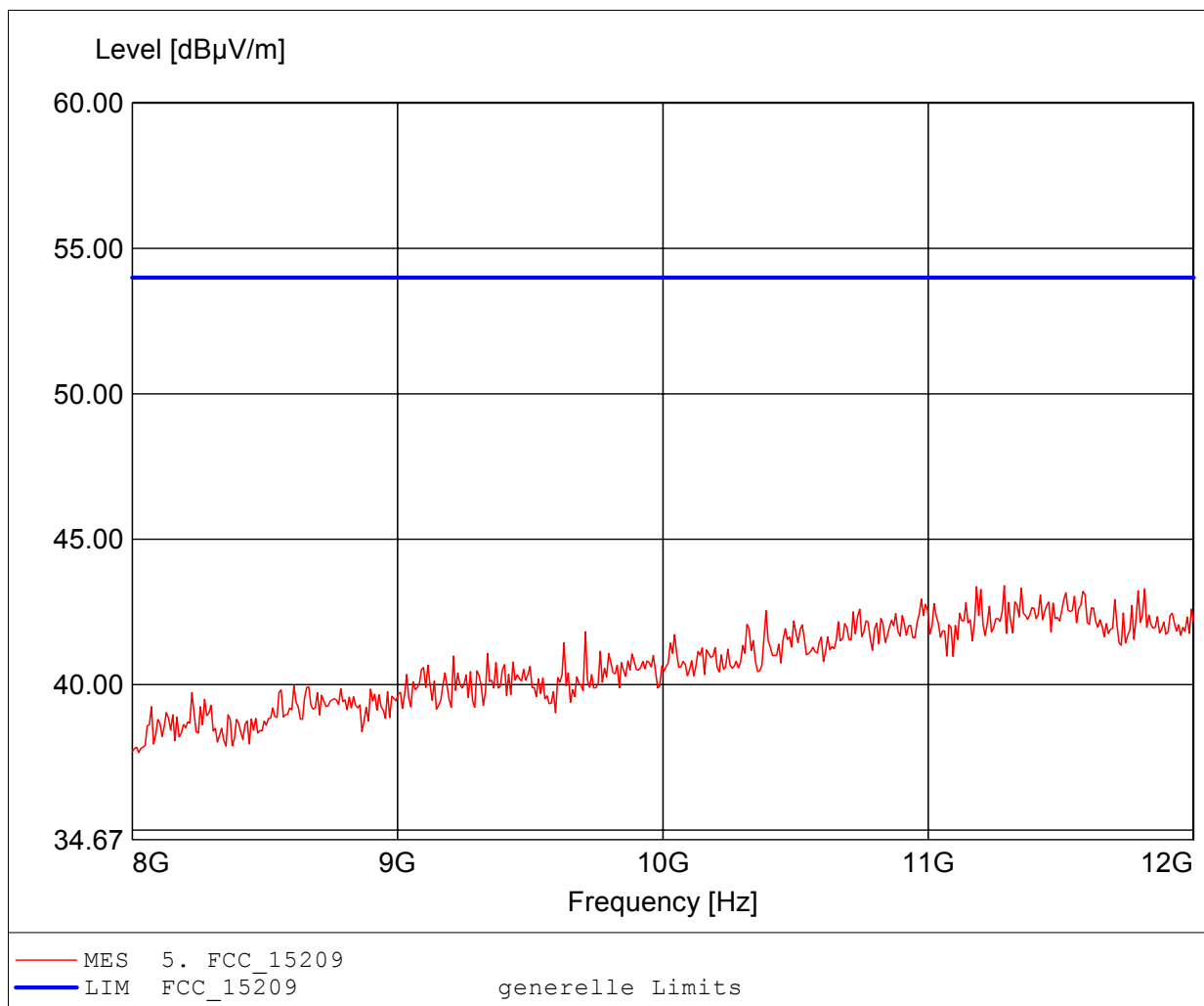
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 11.984GHz, Emax: 43.80dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

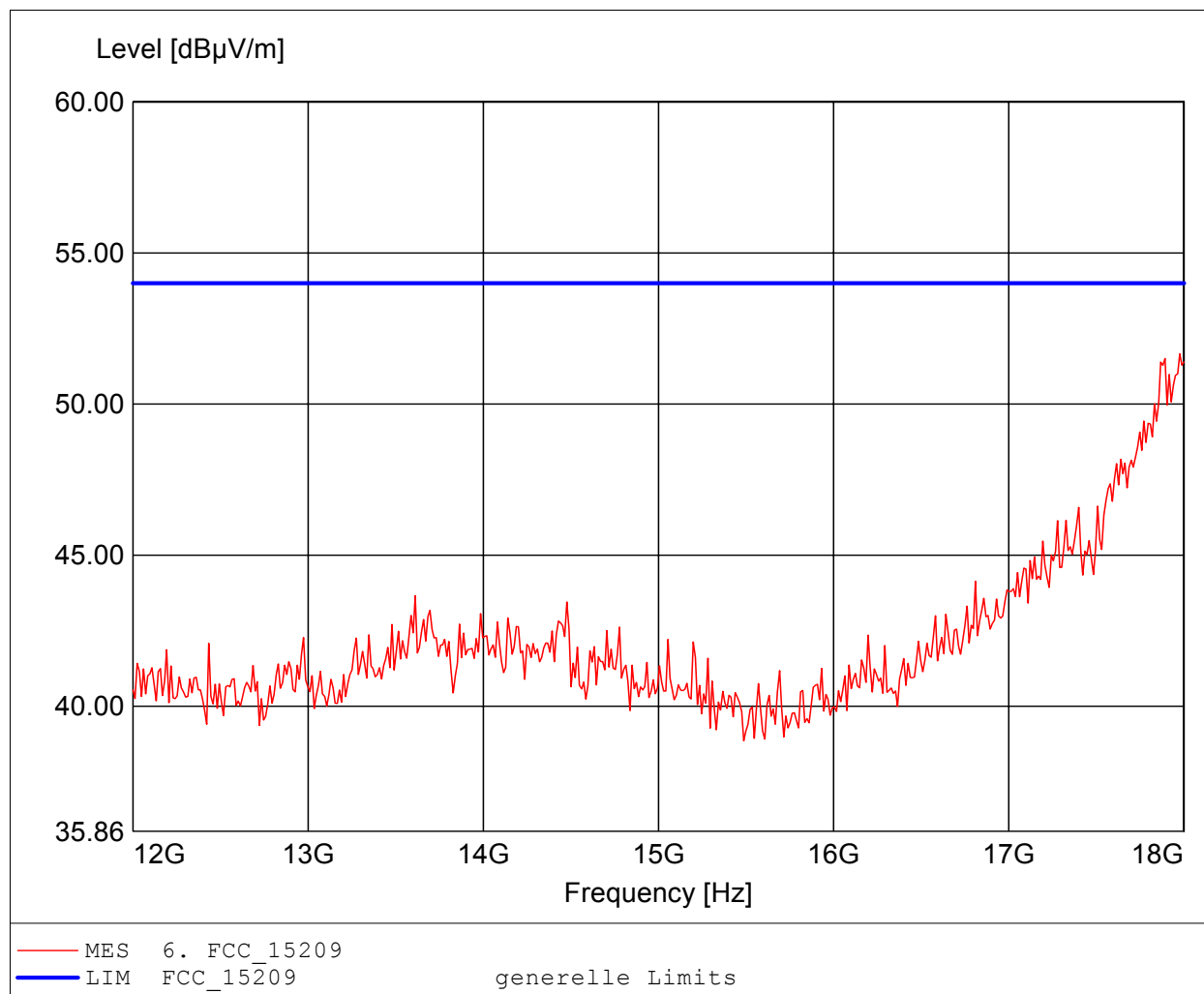
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 11.287GHz, Emax: 43.40dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

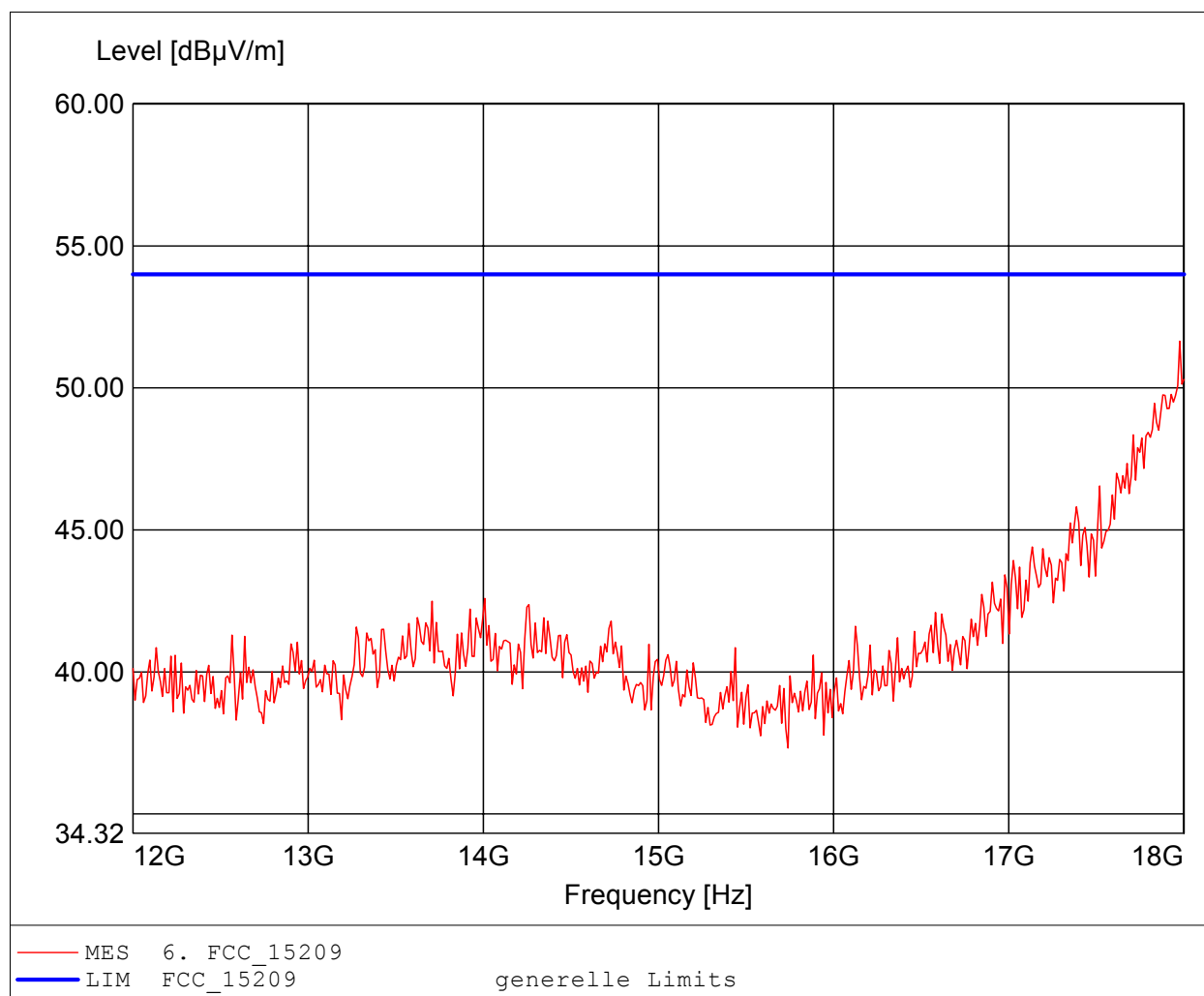
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 17.976GHz, Emax: 51.66dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

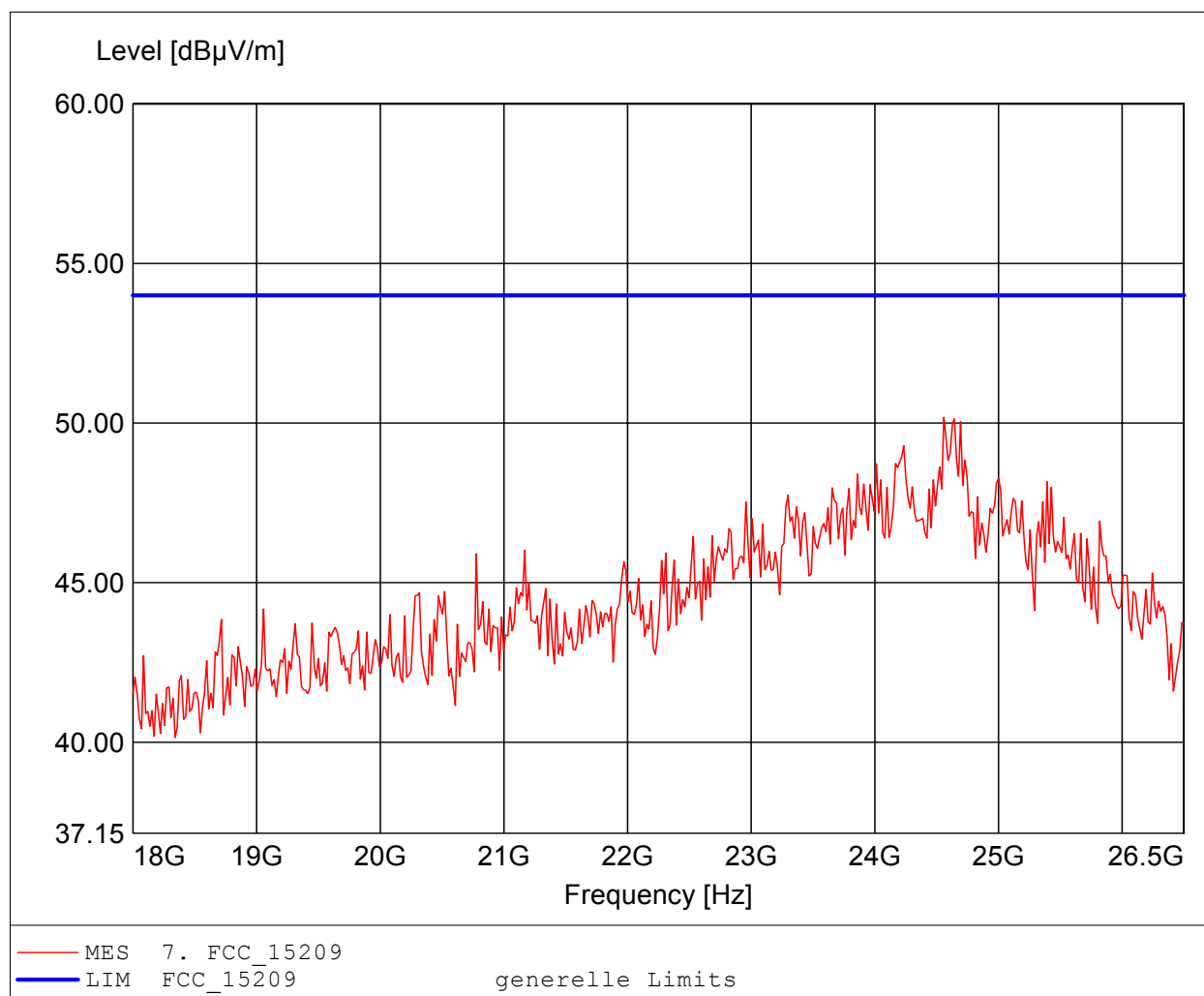
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: BBHA 9120D, HP+ampl.
Comment 2: Freq.: 17.976GHz, Emax: 51.65dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

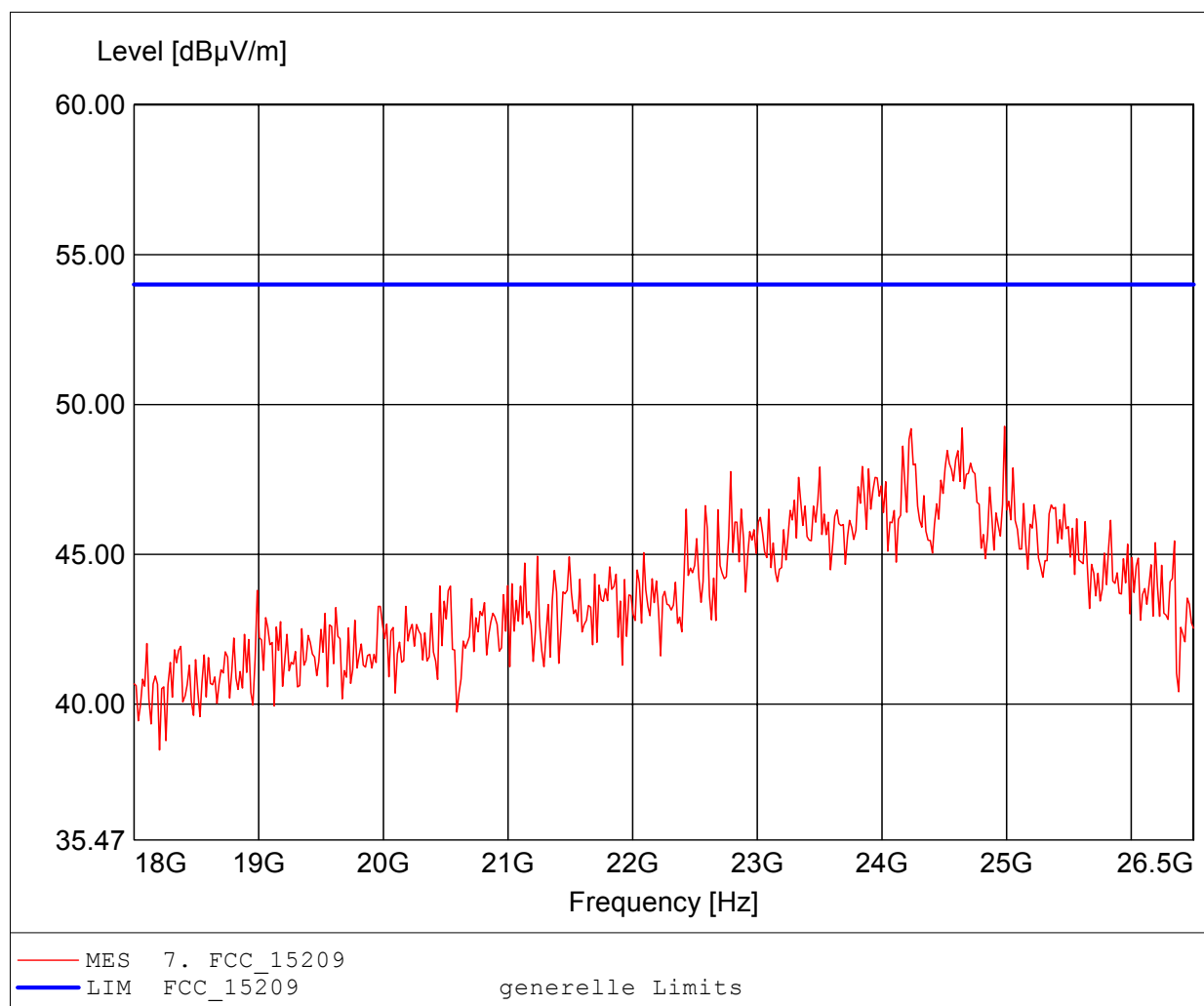
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq.: 24.558GHz, Emax: 50.18dBµV/m, RBW: 1MHz



Radiated spurious emissions under normal conditions

FCC RULES PART 15.209

Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Tx Channel 0
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq.: 24.984GHz, Emax: 49.27dBµV/m, RBW: 1MHz

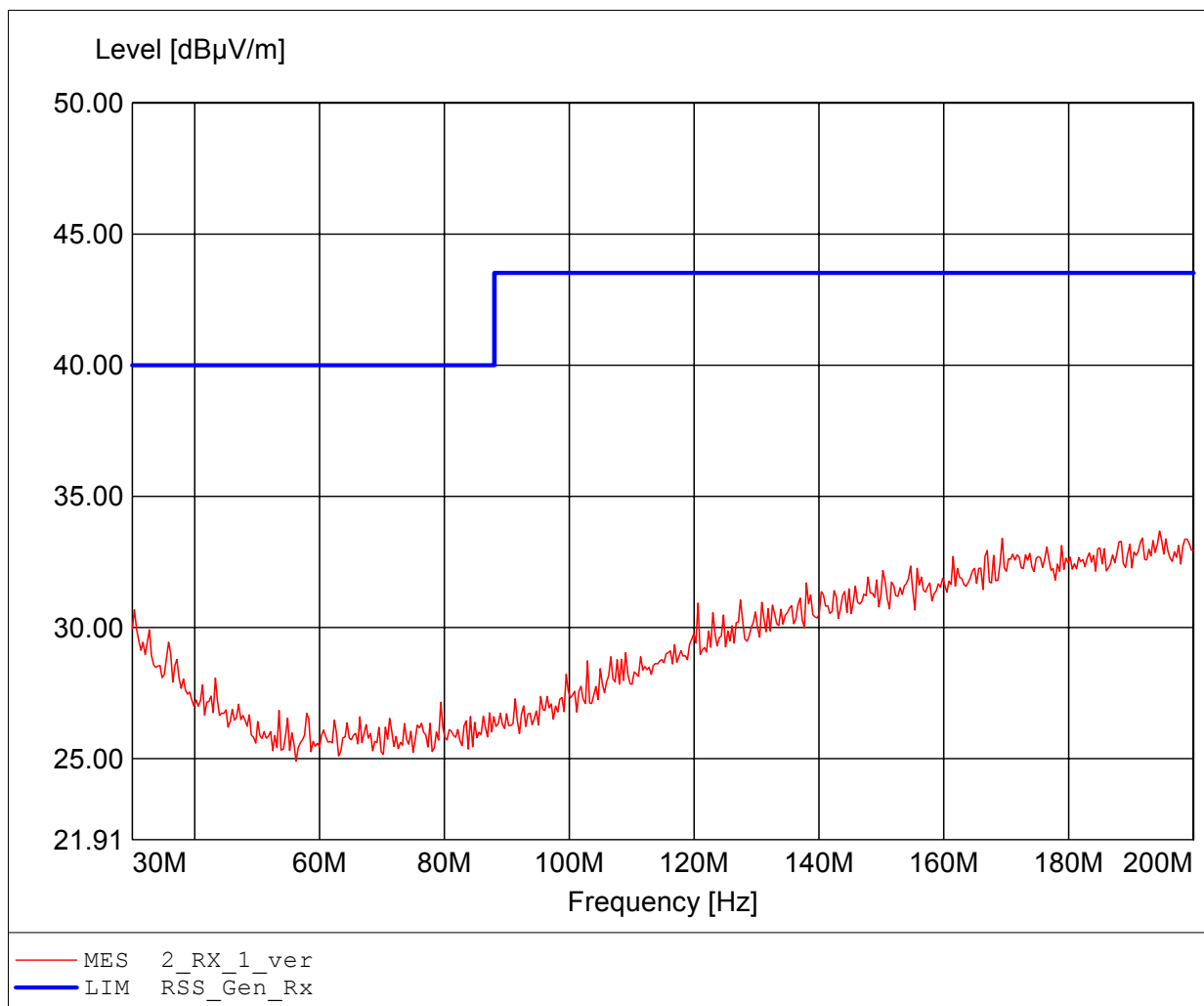


Annex C Receiver radiated spurious emissions

Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

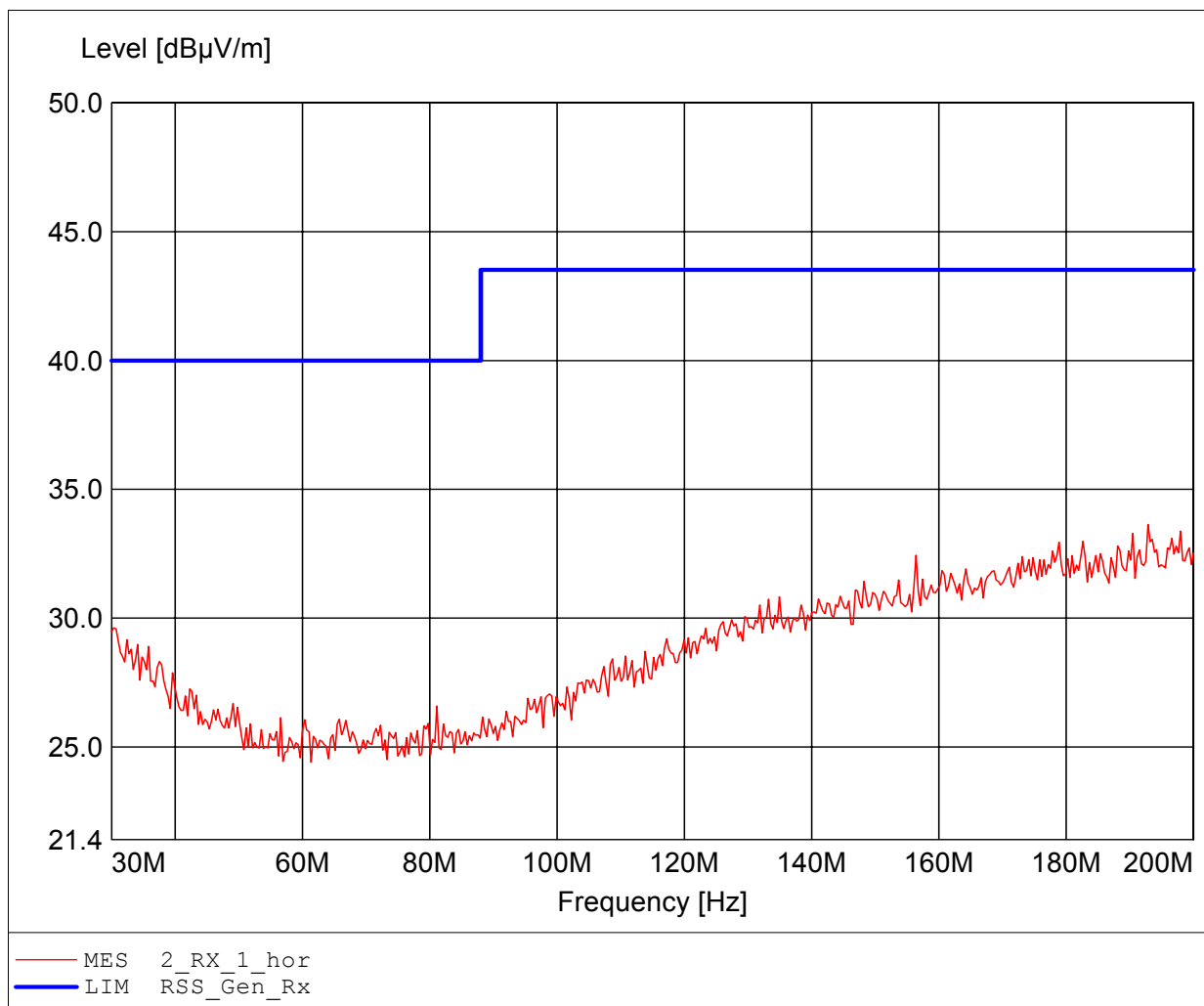
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Rx Channel 2
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Freq. / CH: 2
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:194.549MHz Emax:33.68dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

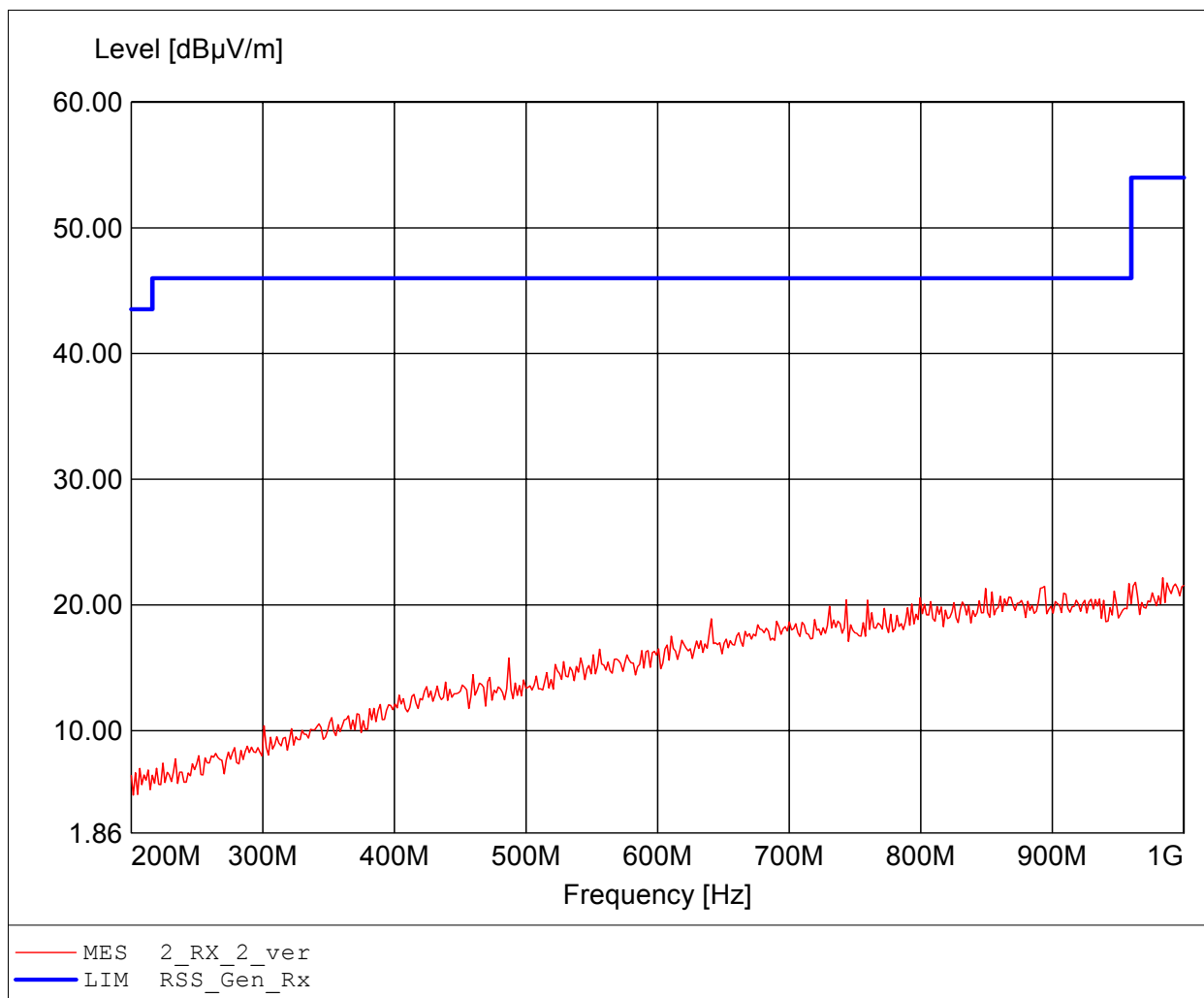
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Rx Channel 2
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Freq. / CH: 2
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:192.846MHz Emax:33.63dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

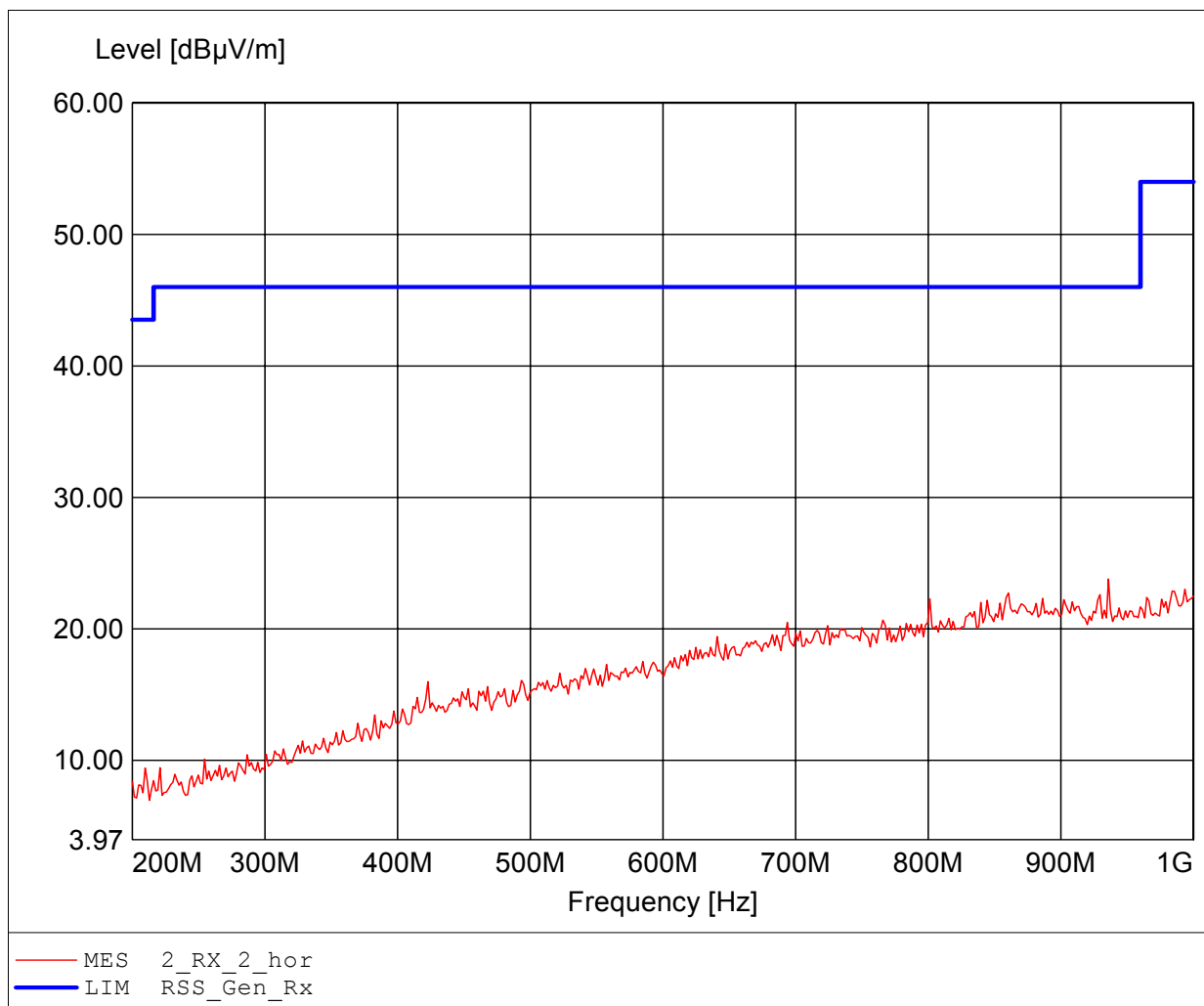
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Rx Channel 2
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Freq. / CH: 2
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:983.968MHz Emax:22.16dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

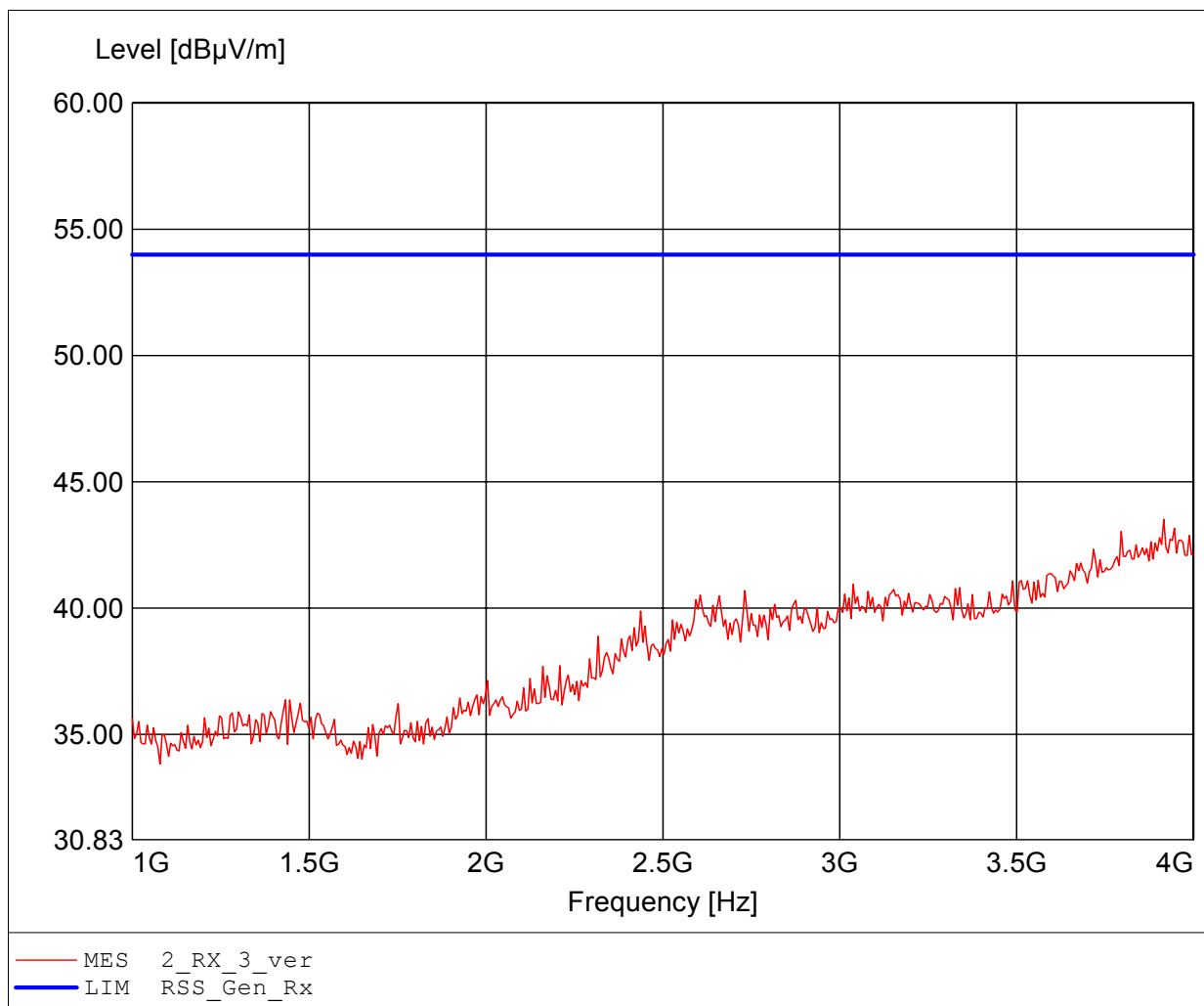
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Rx Channel 2
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Freq. / CH: 2
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:935.872MHz Emax:23.79dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

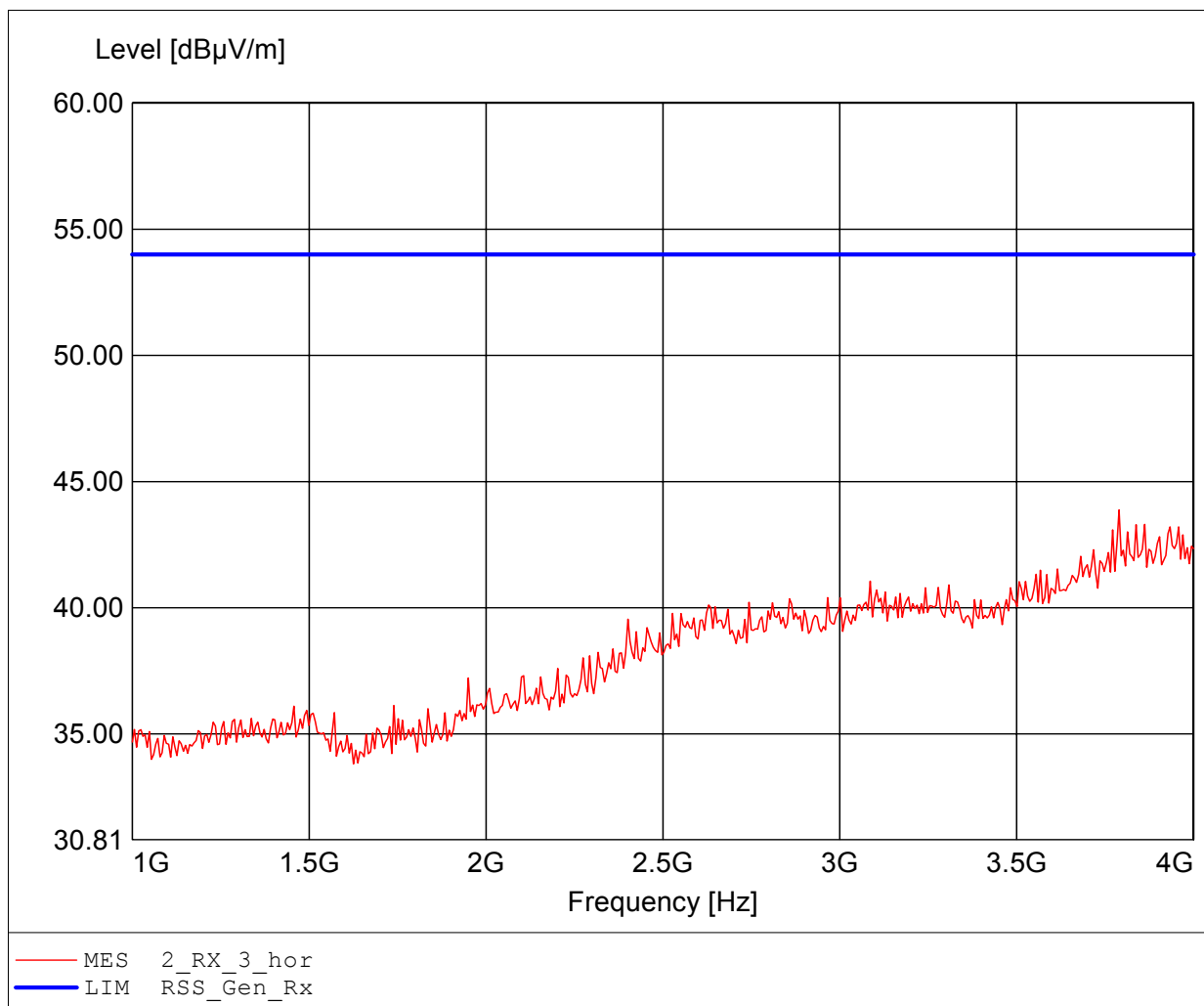
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Rx Channel 2
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Freq. / CH: 2
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.916GHz Emax:43.51dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

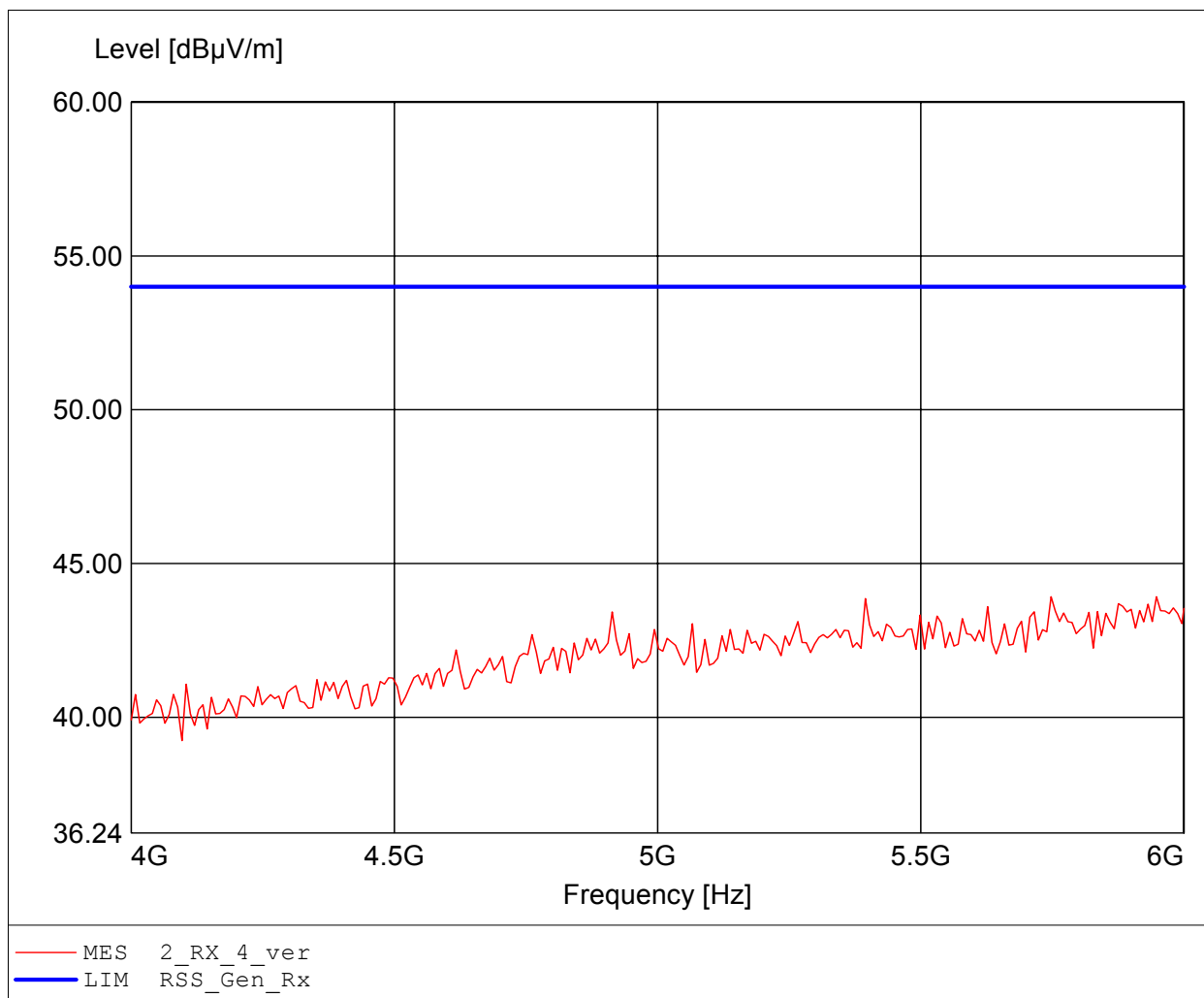
Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Rx Channel 2
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Freq. / CH: 2
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.790GHz Emax:43.87dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Rx Channel 2
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Freq. / CH: 2
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.808GHz Emax:50.57dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Applicant: Polycom (UK) Ltd. / G0M-1202-1721
EUT: DECT 6.0 Module
Model / mode: KT4586 / setup: Rx Channel 2
Test Site / Operator: Eurofins Product Service GmbH / Mr. Treffke
Test Condition: Tnom.: 25°C / Vnom: 3.0 VDC battery
Test Specification: Freq. / CH: 2
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.952GHz Emax:49.95dBµV/m RBW: 1 MHz

