

Test Report

Electromagnetic Compatibility

Product	DECT Handset		
Name and address of the applicant	Panasonic Corporation of North America Two Riverfront Plaza 9 th Floor Newark, 07102-5490, NJ, USA		
Name and address of the manufacturer	Panasonic Entertainment & Communication Co., Ltd. Technical Regulation (SCBU) 1-10-12 Yagumo-higashi-machi, Moriguchi City Osaka 570-0021, Japan		
Model	KX-TGUA40, KX-TGUA10 KX-TGUA40C, KX-TGUA10C		
Rating	2.4V _{DC} (2x AAA NiMH cells)		
Trademark	Panasonic		
Additional information	DECT 6.0		
Tested according to	FCC CFR 47 Subpart 15B ISED Canada ICES-003, Issue 7		
Project number	PRJ0046872		
Tested in period	2023-11-14 - 2023-11-21		
Issue date	2023-12-19		
Name and address of the testing laboratory	Nemko Scandinavia AS Philip Pedersens vei 11, 1366 Lysaker, Norway		 
An accredited technical test executed under the Norwegian accreditation scheme			
 <hr style="width: 100%; border: 0.5px dotted black;"/> Prepared by [Thomas Dangle]		 <hr style="width: 100%; border: 0.5px dotted black;"/> Approved by [Christian Borge]	

Nemko Group

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REPORT REVISIONS

Report Edition	Date	Project	Description
A	2023-12-19	PRJ0046872	First issued



THIS REPORT APPLIES ONLY TO THE ITEM(S) AND CONFIGURATION(S) TESTED.

It is the manufacturer's responsibility to assure the additional production units of this product are manufactured with identical electrical and mechanical components. The manufacturer is responsible to the authorities for any modifications made to the product, which result in non-compliance to the relevant regulations.

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Opinions expressed within this report regarding general assessments and qualifications for PASS or FAIL to the standards limits and requirements, are not part of the current accreditation. Neither is opinions expressed regarding model variants covered by the testing performed in this report.

Deviations from, additions to, or exclusions from the test specifications are described in "Test Report Summary".

This report was originally distributed electronically with digital signatures. For more information contact Nemko.

DESCRIPTION OF TESTED ITEM(S)

Product description.....:	DECT Handset with desktop charger
Model/type	KX-TGUA40, KX-TGUA10 KX-TGUA40C, KX-TGUA10C
FCC ID	ACJ96NKX-TGUA40
ISED ID	216A-KXTGUA40
Serial number	/
Operating voltage.....:	2.4VDC (2x AAA NiMH cells)
Maximum power/current.....:	/
Insulation class	III
Highest clock frequency	/
Hardware version	MP
Software version	/
Mounting position.....:	<input checked="" type="checkbox"/> Tabletop equipment <input type="checkbox"/> Wall/ceiling mounted equipment <input type="checkbox"/> Floor standing equipment <input type="checkbox"/> Handheld equipment <input type="checkbox"/> Rack mounted equipment <input type="checkbox"/> Console equipment <input checked="" type="checkbox"/> Other: Handheld

ACCESSORIES USED DURING TEST

Description	Manufacturer	Type
Desktop charger	Panasonic	PNLC1098
AC Adaptors	Panasonic	PNLV233 (UC), PNLV233 (YJ), PNLV233 (ZC), PNLV233 (2A)
DECT Base	Panasonic	KX-TGU430

MODEL VARIANTS

The following model variants have been inspected and are confirmed to be identical or believed to be less disposed with regard to electromagnetic compatibility.

Model/type	Description of differences	Tested
KX-TGUA40 KX-TGUA40C	Base Model with 2.1 inch LCD, flashlight and side keys	<input checked="" type="checkbox"/>
KX-TGUA10 KX-TGUA10C	Model without flashlight and side keys, and 1.8 inch LCD	<input type="checkbox"/>

INPUT/OUTPUT PORTS

Port name and description	Cable		
	Longer than 3m	Attached during test	Shielded
AC mains supply	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

This equipment has been tested with certain cable types and cable configurations. Any changes to these parameters when installed may influence the EMC properties of this equipment.

OPERATING MODES

OP no.	Description	Applied for testing	
		Emissions	Immunity
OP1	Charging, On-hook	<input checked="" type="checkbox"/>	<input type="checkbox"/>
OP2	Operating, Off-hook	<input checked="" type="checkbox"/>	<input type="checkbox"/>

POWER SUPPLY CONDITIONS

The following nominal power supply conditions have been tested:

PC no.	Voltage	Frequency	Type	Ground terminal
PC1	120 V	<input type="checkbox"/> AC 50Hz / <input checked="" type="checkbox"/> AC 60Hz / <input type="checkbox"/> DC	<input type="checkbox"/> 3AC / <input type="checkbox"/> 3ACN / <input type="checkbox"/> PoE	<input type="checkbox"/> PE / <input type="checkbox"/> GND / <input checked="" type="checkbox"/> None

- The power supply voltage has been selected after a maximum disturbance investigation over the product's rated voltage range.
- Additional chassis grounding was applied.

DRAFT

PHOTOS AND DRAWINGS

Copy of marking label.....:	
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Photo of the test item		
	Handset	Handset, battery compartment with label inside
	Battery charger with AC adapter	



OTHER INFORMATION

Modifications	None
Additional information	None

TEST ENVIRONMENT

Test laboratory	<input checked="" type="checkbox"/> KJELLER (Instituttveien 6, N-2007 Kjeller, Norway) <input type="checkbox"/> LYSAKER (Philip Pedersens vei 11, N-1366 Lysaker, Norway)
Laboratory accreditation	 <p>Norsk Akkreditering – TEST 033 P06 – Electromagnetic Compatibility</p>
Environmental conditions	<p>The climatic conditions during the tests are within limits specified by the manufacturer for the operation of the product and the test equipment. The climatic conditions during tests are within the following limits:</p> <p>Ambient temperature: 15 – 35 °C Relative humidity: 25 – 75 %RH Atmospheric pressure: 86 – 106 kPa</p> <p>If explicitly required by the test standard, or the requirements are tighter than the above; the climatic conditions are recorded and documented separately in this test report.</p>
Calibration	<p>All instruments used in the tests of this test report are calibrated and traceable to national or international standards. Between calibrations test set-ups are controlled and verified on a regular basis by intermediate checks to ensure, with 95% confidence that the instruments remain within their calibrated levels. The instrumentation accuracy is within limits agreed by the IECCE/CTL and defined by Nemko.</p>
Measurement uncertainties	<p>Uncertainty in EMC emission measurements stated in this report are calculated from the standard measurement uncertainties multiplied by the coverage factor k=2. It was determined in accordance with CISPR 16-4-2. The true value is in the corresponding interval with a probability of 95%. Uncertainties for continuous immunity tests are calculated based on the same principles as for EMC emission uncertainties. For Harmonics and Flicker measurements the measurement uncertainty is calculated based on the same principles as for EMC emission uncertainties. Uncertainties for transient immunity are kept within the requirements of the relevant basic standard. <i>Further information about measurement uncertainties is provided on request.</i></p>
Decision rules	<p>As specified by CISPR 16-4-2; if our measurement uncertainty U_{LAB} is less than or equal to U_{CISPR}, compliance is deemed to occur if no measured disturbance level exceeds the limit hence “PASS” is indicated, and non-compliance is deemed to occur if any measured disturbance level exceeds the limits hence “FAIL” is indicated. For continuous immunity tests, uncertainties are not considered when applying the calibrated test levels. Tests are performed at the test levels specified by the test standard. PASS and FAIL decisions are based on behaviour observations of the specimen. For transient immunity tests, uncertainties are not considered if the test equipment is kept within the requirements of the relevant basic standard. Tests are performed at the test levels specified by the test standard. PASS and FAIL decisions are based on behaviour observations of the specimen. For Harmonics and Flicker measurements the measurement uncertainty is considered, and measurements are marked if necessary. In doing so, the associated uncertainty of measurement has been considered. <i>Further information about decision rules is provided on request.</i></p>

TEST REPORT SUMMARY

APPLIED STANDARDS

Standards	Titles
FCC CFR 47 Subpart 15B	<i>Digital devices - Unintentional radiators, Class B Digital Device</i>
ISED Canada ICES-003, Issue 7	<i>Spectrum Management and Telecommunications Policy. Interference-Causing Equipment Standard. Information Technology Equipment (Including Digital Apparatus - Limits and Methods of Measurement (Issue 7, June 2020)</i>

TEST SUMMARY

Requirements – Tests	Reference standards	Verdict
Conducted Emissions	FCC CFR 47 Subpart 15B ISED Canada ICES-003, Issue 7 FCC Part 12.107 per ANSI C63.4-2014	PASS
Radiated Emissions (Below 1GHz)	FCC CFR 47 Subpart 15B ISED Canada ICES-003, Issue 7 FCC Part 12.109 per ANSI C63.4-2014	PASS
Radiated Emissions (Above 1GHz)	FCC CFR 47 Subpart 15B ISED Canada ICES-003, Issue 7 FCC Part 12.109 per ANSI C63.4-2014	PASS

- PASS : Tested and complied with the requirements
- FAIL : Tested and failed the requirements
- N/A : Test not relevant to this specimen (evaluated by the test laboratory)
- : Test not performed (instructed by the applicant)
- * : An asterisk (*) placed after the verdict in the Result column indicates test items that are not within Nemko's scope of accreditation
- # : A grid (#) placed after the verdict in the Result column indicates test items that are only partly covered by Nemko's scope of accreditation. Further information is detailed in the test section

ABOUT REFERENCE STANDARDS AND TEST LEVELS

Product standards with dated references to basic standards may have been performed according to the newest edition of the basic standard. This may impact the compliance criteria or technical performance of the test, still this is adequate if the test is expected to confirm compliance to the intention of the product standard. The table above lists the actual editions of the basic standards which have been used during testing.

The choice of immunity test levels could be higher than those specified by the reference standards when we consider the nature of the specimen and its intended use or based on customer requests.

NOTES

None

Test Results

CONDUCTED EMISSIONS

TEST DESCRIPTION

Method

The reference method for this test is listed in the table under clause TEST SUMMARY.

Set-up

The measurement was performed at the power supply terminal of the specimen. Nominal supply voltage was provided. The specimen was energized and in normal operating mode during the measurement.

- The specimen and its cables were elevated 10 cm above a ground plane.
- The specimen and its cables were elevated 40 cm above a ground plane.
- The specimen and its cables were placed 40 cm from a vertical ground plane, 80 cm over ground plane.
- The specimen was mounted directly on, and bonded to a ground plane. Cables and auxiliary equipment were elevated by 1 cm

- The specimen was connected to an Artificial Mains Network (AMN) by its power supply cable, which was adjusted to 100cm length by folding.
- The specimen was connected to an Artificial Mains Network (AMN) by a 0.8 m shielded power supply cable directly connected to the AMN.

- Artificial Hand was applied to the specimen during test (for location see photos)

Conditions

- Frequency range was 9kHz – 30MHz.
- Frequency range was 10kHz – 30MHz.
- Frequency range was 150kHz – 30MHz.

The measuring bandwidth is 200Hz in the frequency range 9 kHz – 150 kHz. Measurement was made with a 100 Hz step size and 100 ms dwell time.

The measuring bandwidth is 9 kHz in the frequency range 150 kHz – 30 MHz. Measurement was made with a 4.5 kHz step size and 20 ms dwell time.

Measurement uncertainty: ± 3.7 dB (9 kHz – 150 kHz); ± 3.3 dB (150 kHz – 30 MHz)

Instruments used during measurement

Instrument list: AC Power Source: Agilent / 6812B (LR-1515) (12/2024)
 AMN: R&S / ENV216 (LR-1665) (11/2023)
 EMI Receiver: R&S / ESR 7 (LR-1675) (01/2024)

Conformity

Verdict:

PASS

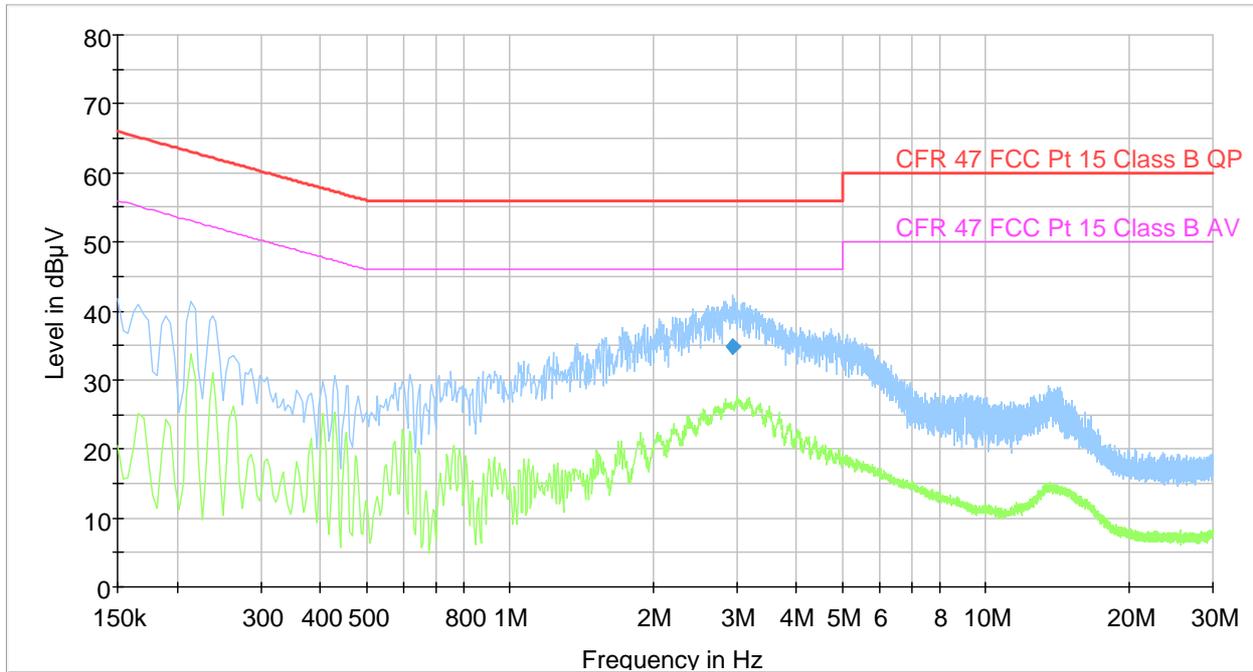
Test engineer:

TD

EMISSION SPECTRUM – CHARGER PNLC1098

On-hook:

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- CFR 47 FCC Pt 15 Class B QP
- CFR 47 FCC Pt 15 Class B AV
- ◆ Final_Result QPK
- ◆ Final_Result CAV

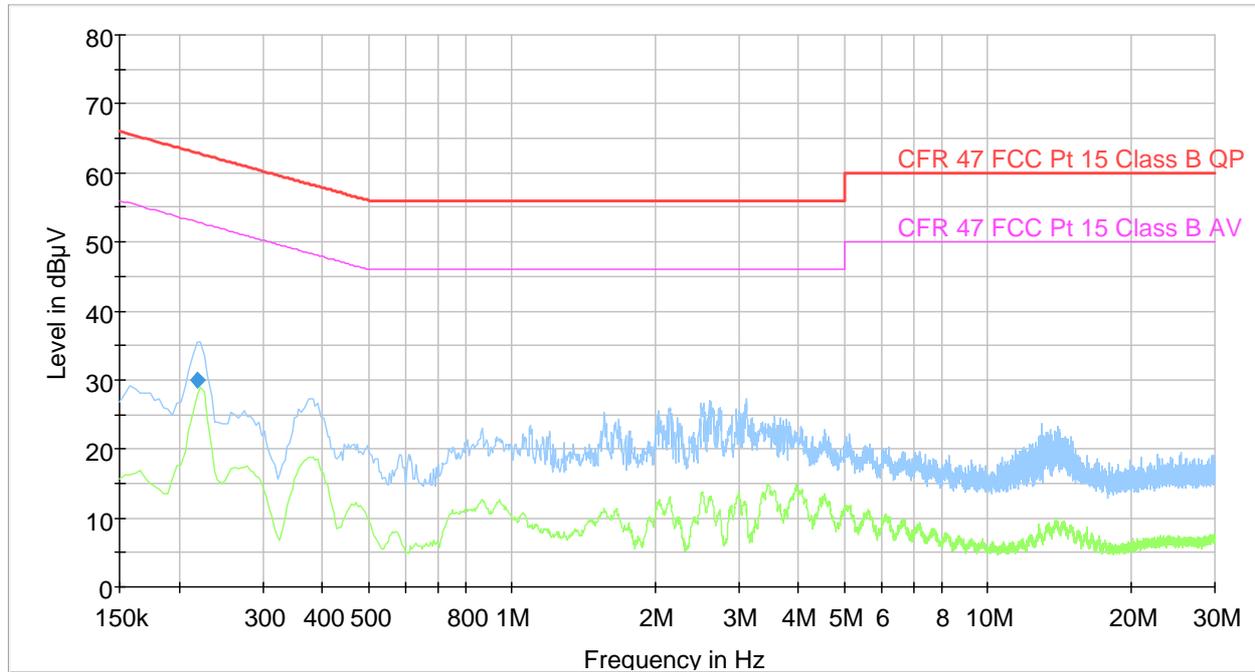
MEASUREMENT DATA

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
2.938000	34.76	---	56.00	21.24	15000.0	9.000	L1	OFF	9.7

EMISSION SPECTRUM - CHARGER PNLC1098

Off-hook:

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- CFR 47 FCC Pt 15 Class B QP
- CFR 47 FCC Pt 15 Class B AV
- ◆ Final_Result QPK
- ◆ Final_Result CAV

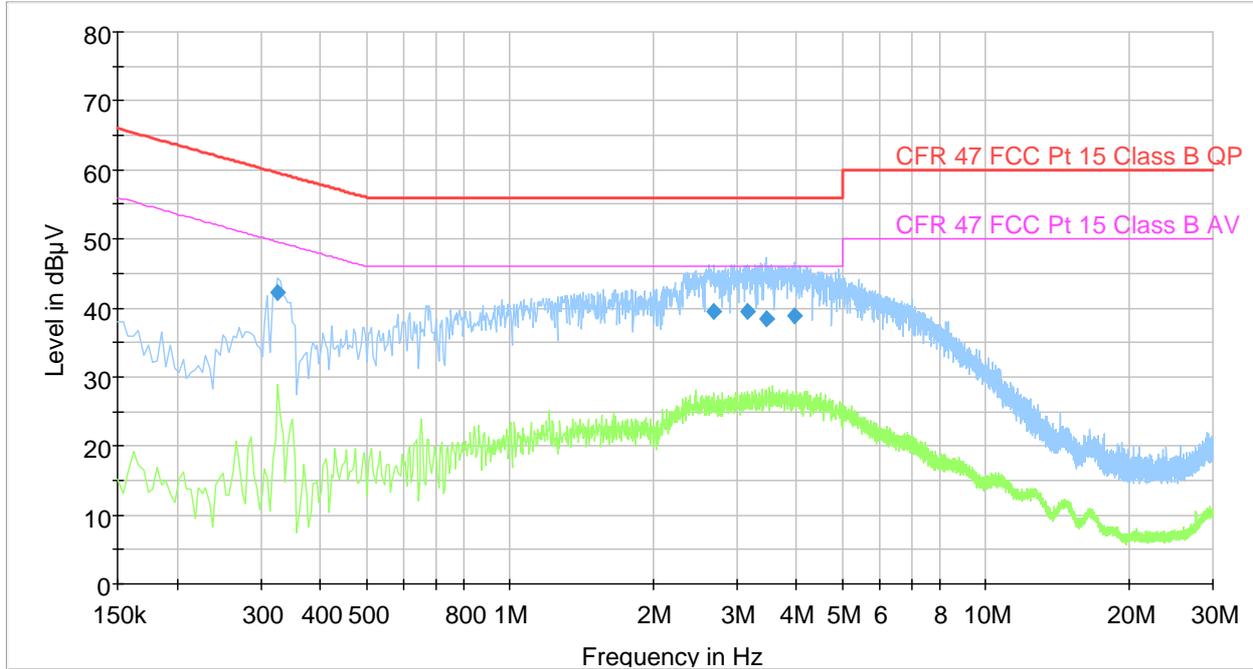
MEASUREMENT DATA

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.218000	29.99	---	62.90	32.91	15000.0	9.000	N	OFF	9.7

EMISSION SPECTRUM – BASE KX-TGU430 AND ADAPTOR PNLV226 (UC)

On-hook:

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- CFR 47 FCC Pt 15 Class B QP
- CFR 47 FCC Pt 15 Class B AV
- ◆ Final_Result QPK
- ◆ Final_Result CAV

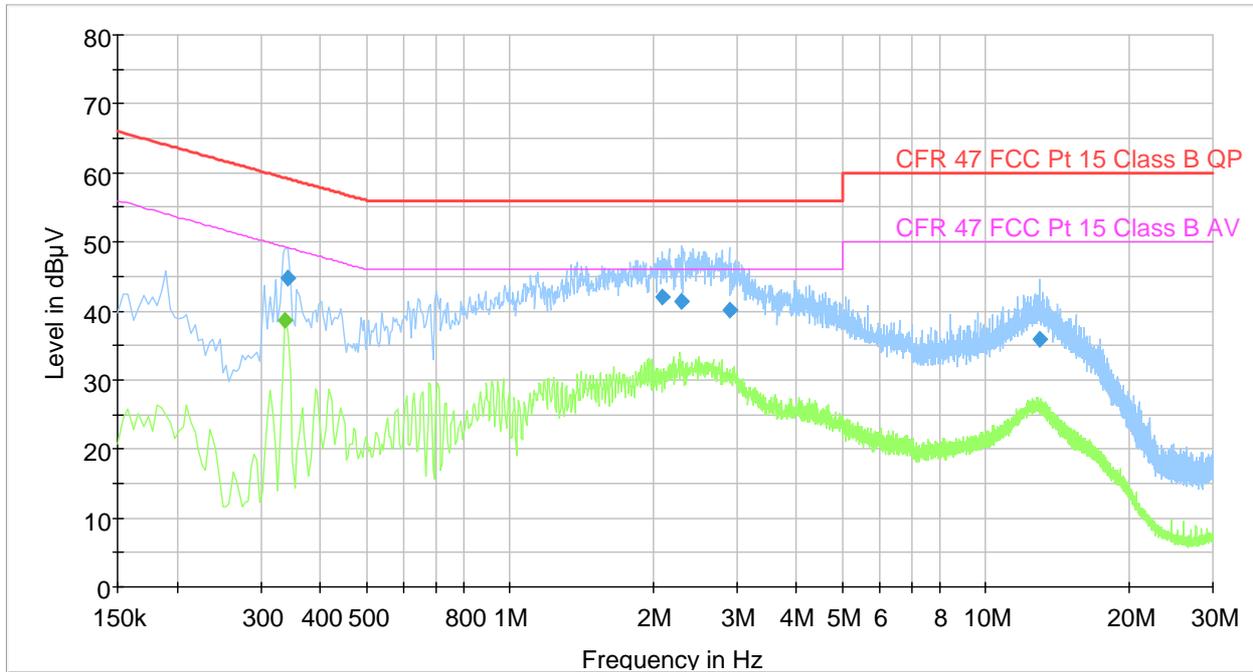
MEASUREMENT DATA

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.326000	42.30	---	59.55	17.25	15000.0	9.000	N	OFF	9.7
2.678000	39.50	---	56.00	16.50	15000.0	9.000	L1	OFF	9.7
3.150000	39.42	---	56.00	16.58	15000.0	9.000	L1	OFF	9.7
3.466000	38.34	---	56.00	17.66	15000.0	9.000	N	OFF	9.5
3.974000	38.83	---	56.00	17.17	15000.0	9.000	N	OFF	9.5

EMISSION SPECTRUM – BASE KX-TGU430 AND ADAPTOR PNLV226 (ZC)

On-hook:

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- CFR 47 FCC Pt 15 Class B QP
- CFR 47 FCC Pt 15 Class B AV
- ◆ Final_Result QPK
- ◆ Final_Result CAV

MEASUREMENT DATA

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.338000	---	38.61	49.25	10.64	15000.0	9.000	L1	OFF	9.7
0.342000	44.84	---	59.16	14.31	15000.0	9.000	N	OFF	9.6
2.094000	41.93	---	56.00	14.07	15000.0	9.000	N	OFF	9.5
2.294000	41.32	---	56.00	14.68	15000.0	9.000	L1	OFF	9.7
2.890000	40.18	---	56.00	15.82	15000.0	9.000	N	OFF	9.5
12.954000	35.91	---	60.00	24.09	15000.0	9.000	L1	OFF	9.9

RADIATED EMISSIONS (BELOW 1GHZ)

TEST DESCRIPTION

Method

The reference method for this test is listed in the table under clause TEST SUMMARY.

Set-up

The measurements were performed in a semi-anechoic chamber (SAC). Nominal supply voltage was provided. The specimen was energized and in normal operating mode during the measurement.

- The specimen and its cables were elevated 10 cm above the site ground plane and placed in the centre of the turntable.
- The specimen and its cables were placed on a table 80 cm above the site ground plane and placed in the centre of the turntable.
- Ferrite clamps type CMAD were applied to cables leaving the test volume.
- A CDNE was applied to the power supply cable.

Antenna type = Hybrid bilog antenna

Antenna elevation = 100-400 cm above the ground reference plane.

Specimen rotation = 0-360°.

- Band-stop filter(s) was used to suppress the wanted RF transmission band to protect the measurement equipment.

Frequency range:

- 30-300MHz
- 30-1000MHz
- Other:

Measurement distance:

- 3m
- 5m
- 10m

Conditions

The measuring bandwidth is 120 kHz in the frequency range 30 MHz – 1000 MHz. Frequency sweeps with RBW = 120 kHz and VBW = 1 MHz was applied with a sweep time of 20 ms (step size resolution < 60 kHz).

Measurement uncertainty: ± 4.9 dB (3m distance in SAC10); ± 4.6 dB (3m distance in SAC3); ± 4.6 dB (10m distance in SAC10)

Instruments used during measurement

Instrument list:

AC Power Source: Agilent / 6812B (LR-1515) (12/2024)
Antenna, Biconical-log hybrid: Sunol Sciences / JB3 (N-4525) (04/2025)
EMI Receiver: R&S / ESU40 (LR-1639) (01/2024)
Preamplifier: Sonoma / 310N (LR-1686) (08/2024)

Conformity

Verdict:

PASS

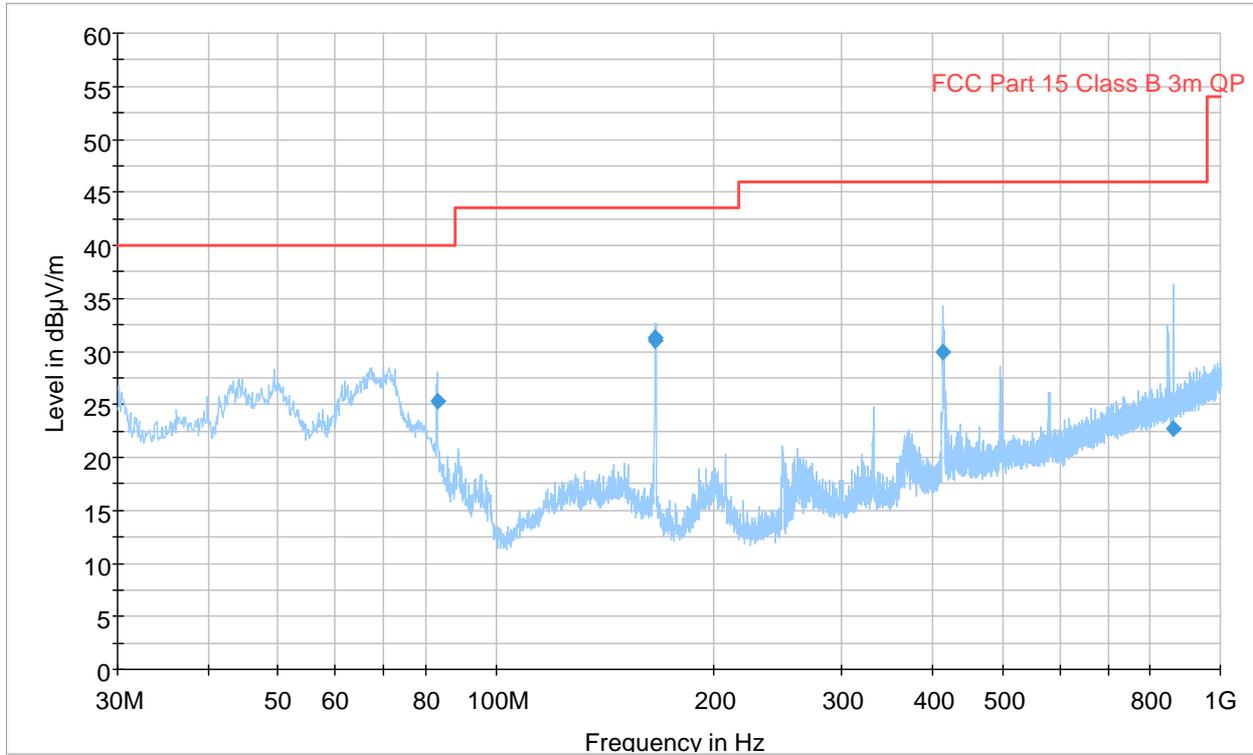
Test engineer:

TD

EMISSION SPECTRUM - CHARGER PNLC1098

On-hook:

Full Spectrum



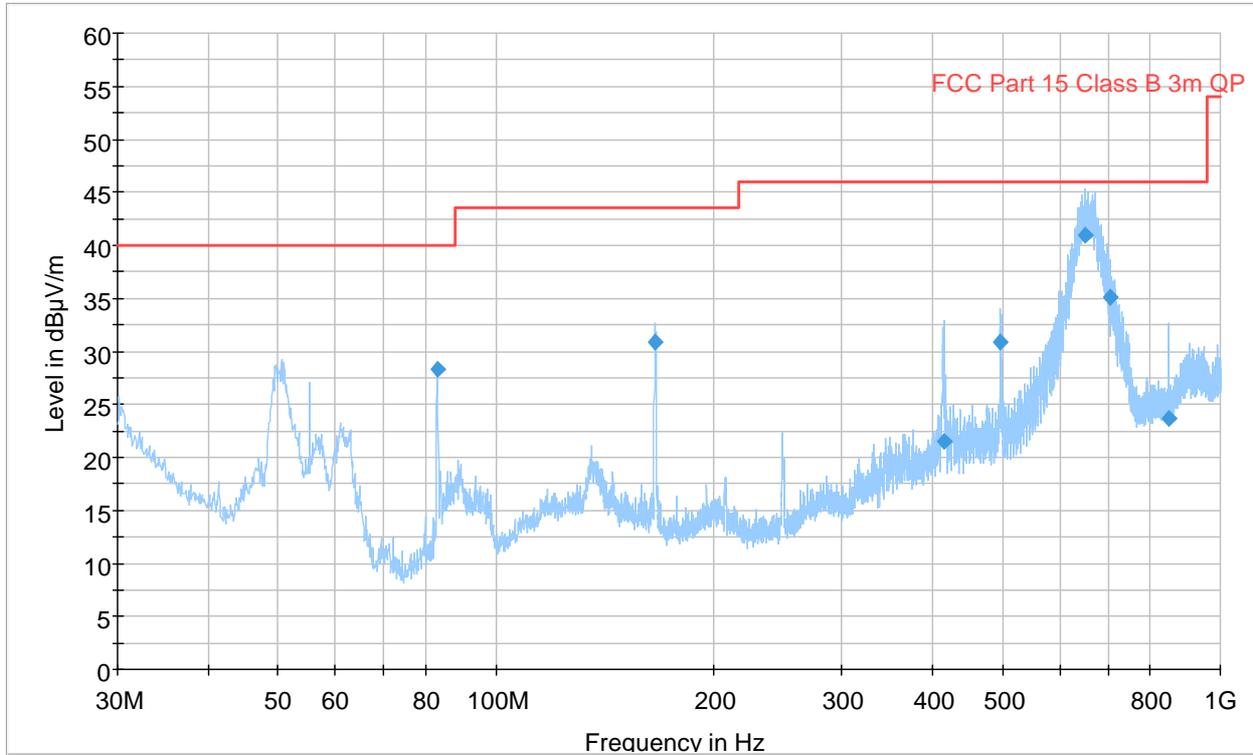
MEASUREMENTS DATA

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
83.004768	25.26	40.00	14.74	15000.0	120.000	118.0	V	215.0	-17.2
165.758188	31.35	43.50	12.15	15000.0	120.000	200.0	H	276.0	-12.5
166.001414	30.99	43.50	12.51	15000.0	120.000	221.0	H	269.0	-12.5
414.181288	29.94	46.00	16.06	15000.0	120.000	109.0	V	142.0	-7.4
859.828826	22.71	46.00	23.29	15000.0	120.000	132.0	V	77.0	0.3

EMISSION SPECTRUM - CHARGER PNLC1098

Off-hook:

Full Spectrum



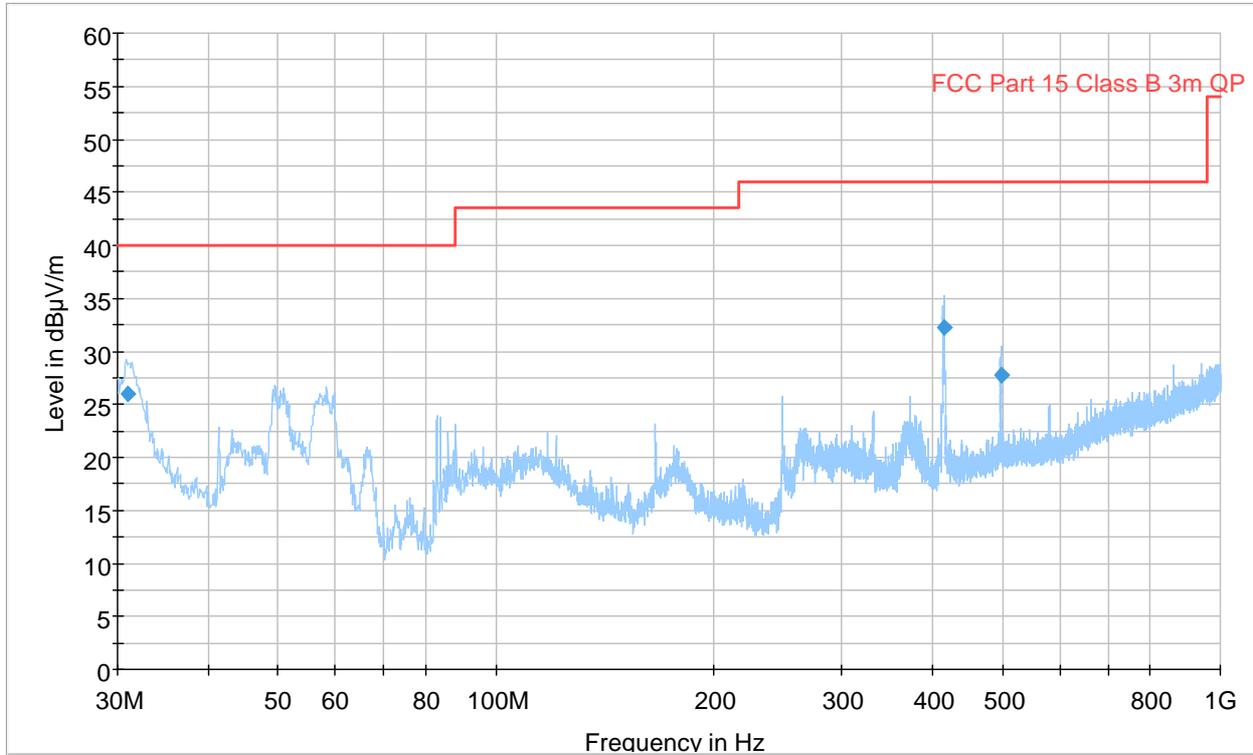
MEASUREMENTS DATA

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
82.921032	28.36	40.00	11.64	15000.0	120.000	138.0	V	227.0	-17.2
165.778348	30.92	43.50	12.58	15000.0	120.000	204.0	H	275.0	-12.5
415.209048	21.54	46.00	24.46	15000.0	120.000	130.0	V	0.0	-7.4
497.433820	30.82	46.00	15.18	15000.0	120.000	119.0	V	175.0	-5.3
651.491148	40.95	46.00	5.05	15000.0	120.000	102.0	V	181.0	-3.1
704.463752	35.16	46.00	10.84	15000.0	120.000	102.0	V	180.0	-1.9
848.959318	23.61	46.00	22.39	15000.0	120.000	137.0	V	227.0	0.1

EMISSION SPECTRUM – BASE KX-TGU430 AND ADAPTOR PNLV226 (UC)

On-hook:

Full Spectrum



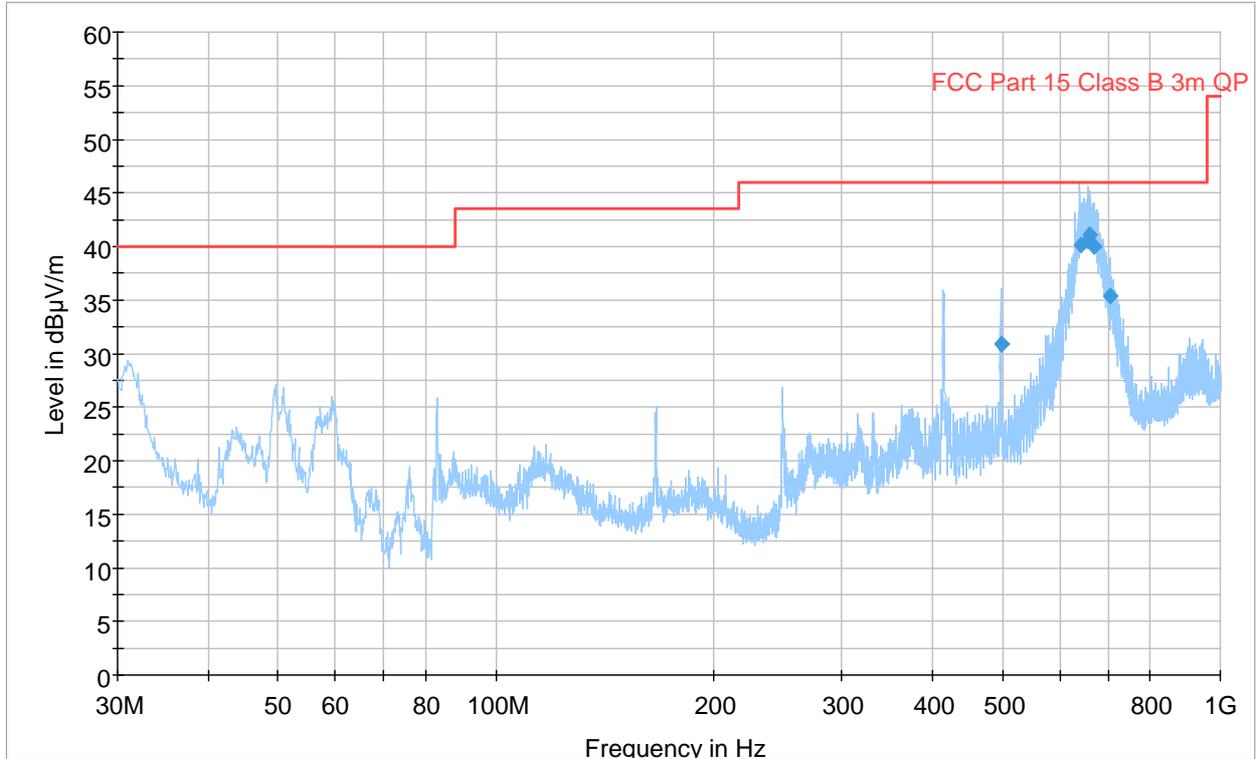
MEASUREMENTS DATA

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.952992	26.02	40.00	13.98	15000.0	120.000	102.0	V	215.0	-4.9
415.084132	32.26	46.00	13.74	15000.0	120.000	102.0	H	298.0	-7.4
497.725126	27.72	46.00	18.28	15000.0	120.000	104.0	V	177.0	-5.3

EMISSION SPECTRUM – BASE KX-TGU430 AND ADAPTOR PNLV226 (UC)

Off-hook:

Full Spectrum



MEASUREMENTS DATA

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
497.571282	30.93	46.00	15.07	15000.0	120.000	102.0	V	131.0	-5.3
640.311996	40.17	46.00	5.83	15000.0	120.000	101.0	V	335.0	-3.4
656.016402	40.61	46.00	5.39	15000.0	120.000	102.0	V	5.0	-3.0
660.924432	41.14	46.00	4.86	15000.0	120.000	100.0	V	187.0	-2.9
668.348432	39.96	46.00	6.04	15000.0	120.000	102.0	V	261.0	-2.7
704.466362	35.32	46.00	10.68	15000.0	120.000	101.0	V	327.0	-1.9

RADIATED EMISSIONS (ABOVE 1GHZ)

TEST DESCRIPTION

Method

The reference method for this test is listed in the table under clause TEST SUMMARY.

Set-up

Nominal supply voltage was provided. The specimen was energized and in normal operating mode during the measurement.

- The specimen and its cables were elevated 10 cm above the floor and placed in the centre of the turntable.
- The specimen and its cables were placed on a table 80 cm above the floor and placed in the centre of the turntable.

Facility:

- 3m semi-anechoic chamber (SAC3) with extra floor absorbers* (calibrated volume: D=2.0m / H=2.0m).
- 10m semi-anechoic chamber (SAC10) with extra floor absorbers* (calibrated volume: D=1.5m / H=2.0m).
- 3m fully anechoic room (FAR3) (calibrated volume: D=1.2m / H=2.0m).

* The reference ground plane was covered with ferrite absorbers in the reflecting area between the specimen and the measuring antenna.

Measurement distance = 3m.

Antenna elevation = fixed at centre of specimen height.

Specimen rotation = 0-360°.

Measurements were performed with a double-ridged guide horn antenna.

- Band-stop filter(s) was used to suppress the wanted RF transmission band to protect the measurement equipment.

Frequency range:

- 1-2GHz
- 1-5GHz
- 1-6GHz
- 1-12GHz

Highest internal frequency of specimen:

- Below 108MHz
- Between 108MHz and 500MHz
- Between 500MHz and 1000MHz
- Above 1000MHz

The measuring bandwidth is 1 MHz in the above frequency range. Frequency sweeps with RBW = 1 MHz and VBW = 1 MHz was applied with a sweep time of 100 ms (proper segmentation of the frequency range was applied to obtain step size resolution < 500 kHz).

Measurement uncertainty: ± 5.1 dB

Instruments used during measurement

Instrument list: AC Power Source: Agilent / 6812B (LR-1515) (12/2024)
EMI Receiver: R&S / ESU40 (LR-1639) (01/2024)
Antenna, Horn: ETS / 3117 (LR-1717) (12/2027)
Preamplifier: ETS / 3117-PA (LR-1757) (08/2024)
Band Reject Filter, fo=1.95 GHz: Microwave Circuits (LR-1765) (cal before use)

Conformity

Verdict:

PASS

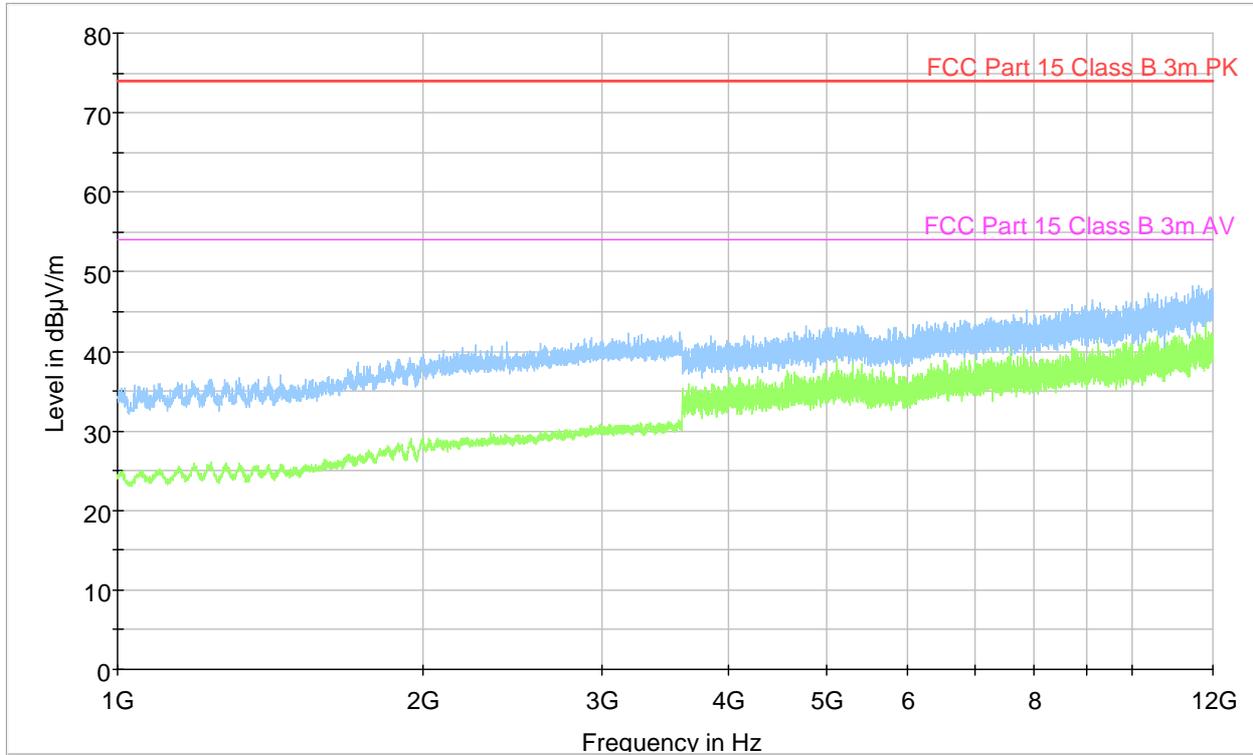
Test engineer:

TD

EMISSION SPECTRUM (HORIZONTAL POLARIZATION) - CHARGER PNLC1098

On-hook:

Full Spectrum



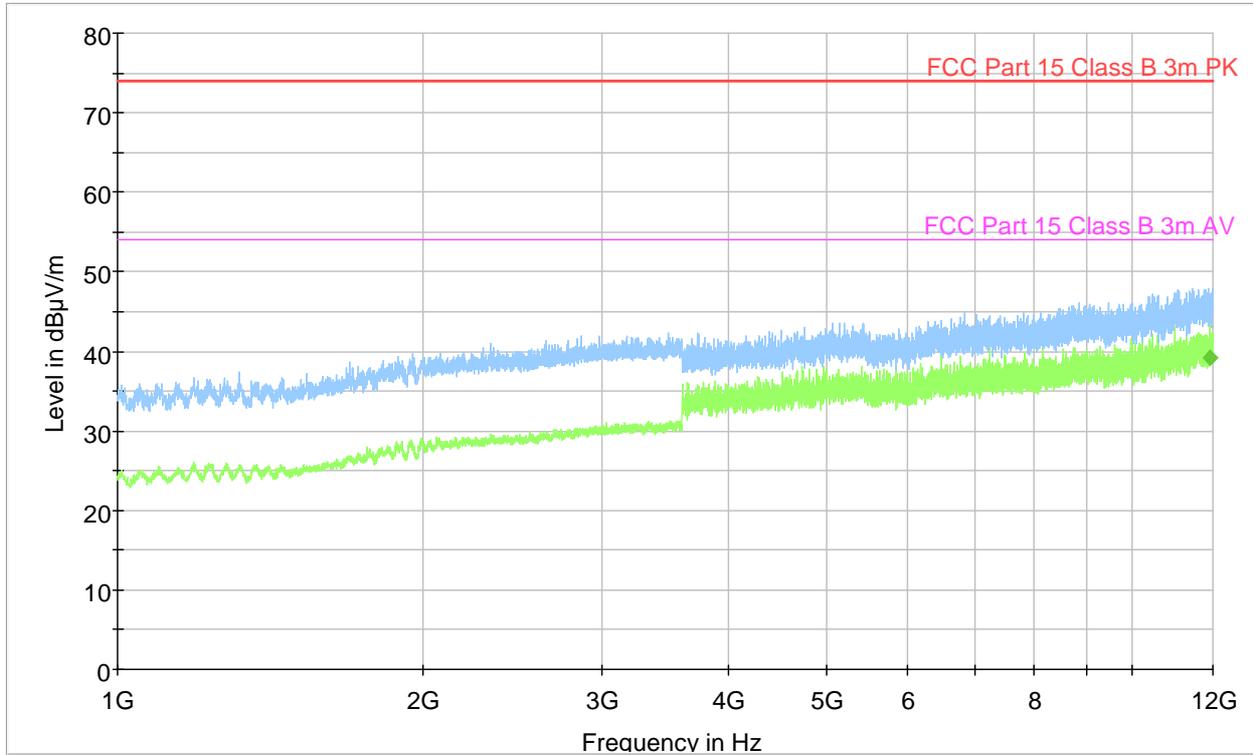
MEASUREMENTS DATA

No emissions found.

EMISSION SPECTRUM (VERTICAL POLARIZATION) - CHARGER PNLC1098

On-hook:

Full Spectrum



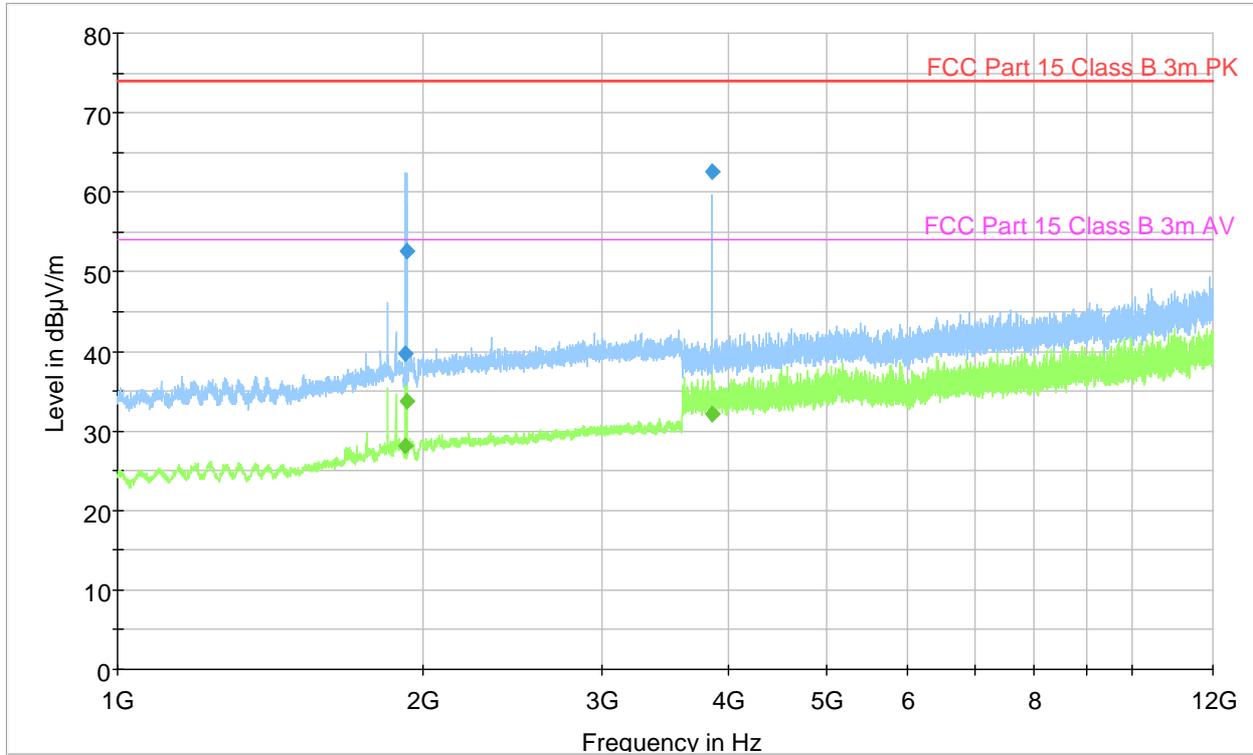
MEASUREMENTS DATA

No emissions found.

EMISSION SPECTRUM (HORIZONTAL POLARIZATION) - CHARGER PNLC1098

Off-hook:

Full Spectrum



The cursors indicate the DECT carrier and its harmonic.

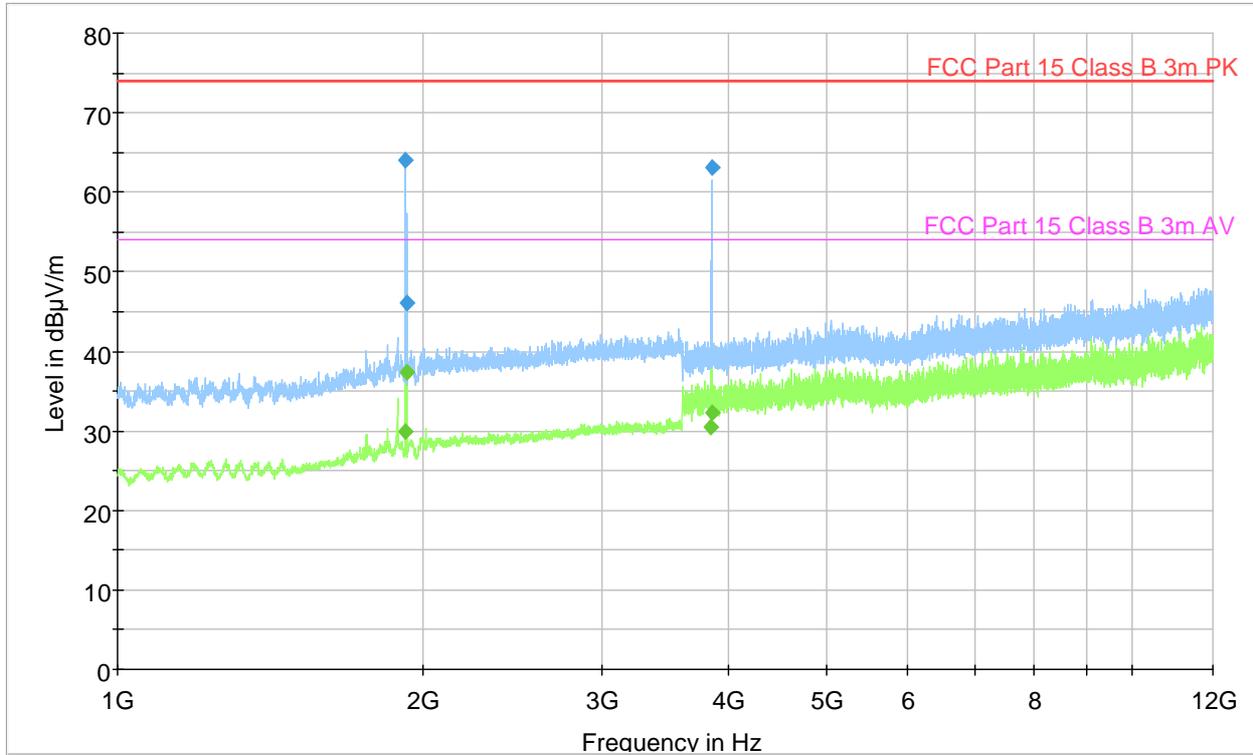
MEASUREMENTS DATA

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3856.904400	62.60	---	74.00	11.40	15000.0	1000.000	100.0	H	137.0	-3.5
3857.250000	---	32.10	54.00	21.90	15000.0	1000.000	100.0	H	268.0	-3.5

EMISSION SPECTRUM (VERTICAL POLARIZATION) - CHARGER PNLC1098

Off-hook:

Full Spectrum



The cursors indicate the DECT carrier and its harmonic.

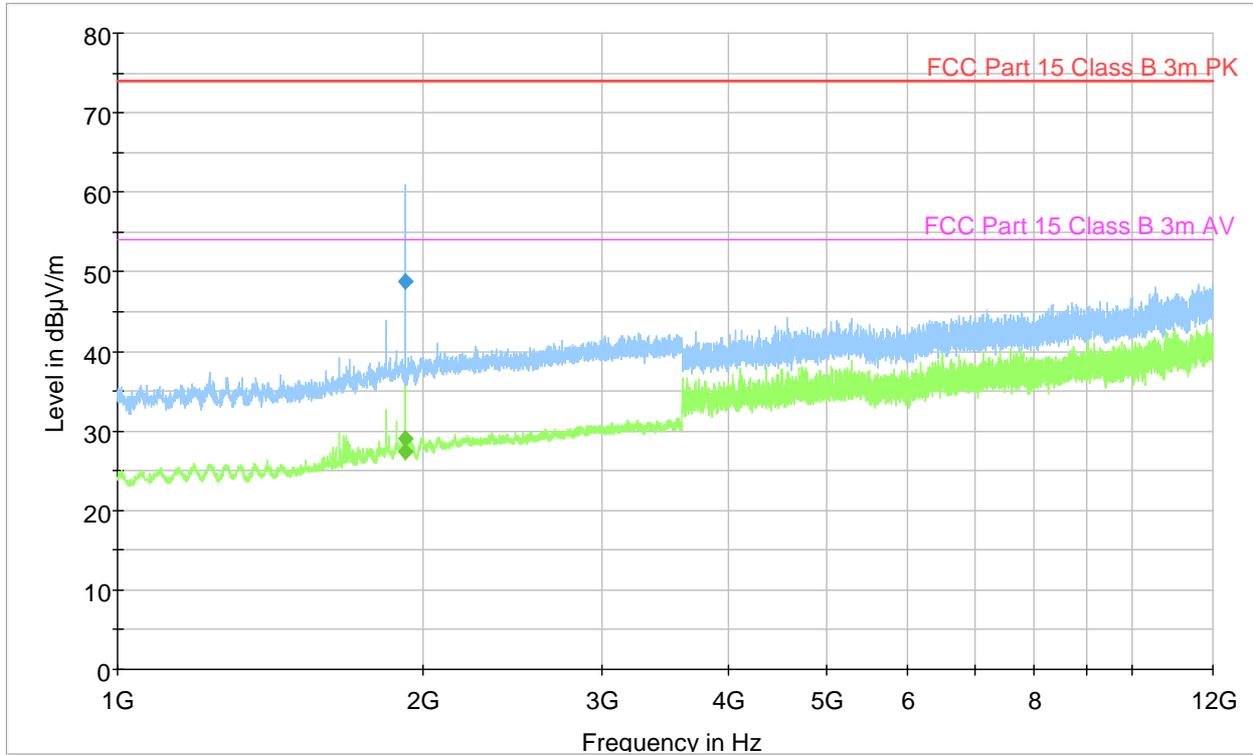
MEASUREMENTS DATA

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3842.950000	---	30.44	54.00	23.56	15000.0	1000.000	100.0	V	319.0	-3.6
3856.887600	63.11	---	74.00	10.89	15000.0	1000.000	100.0	V	149.0	-3.5
3857.250000	---	32.31	54.00	21.69	15000.0	1000.000	100.0	V	319.0	-3.5

EMISSION SPECTRUM (HORIZONTAL POLARIZATION) - BASE KX-TGU430 AND ADAPTOR PNLV226 (UC)

On-hook:

Full Spectrum



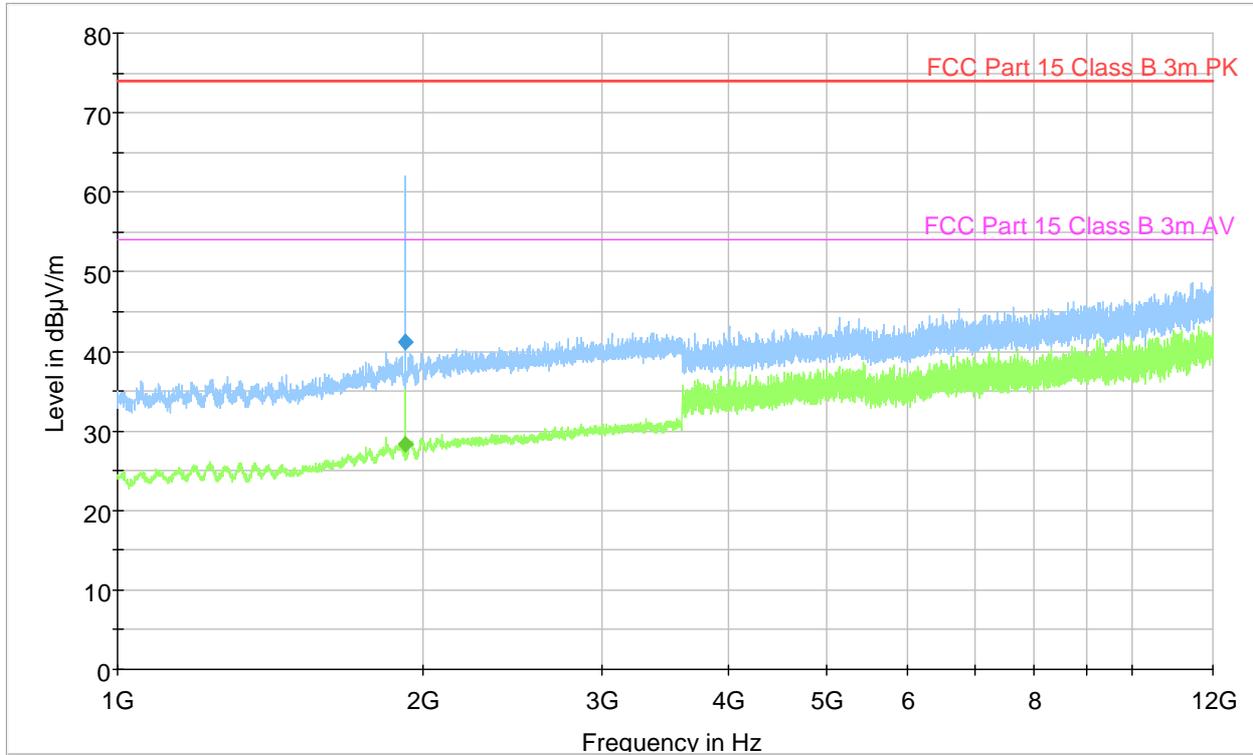
MEASUREMENTS DATA

No emissions found.

EMISSION SPECTRUM (VERTICAL POLARIZATION) - BASE KX-TGU430 AND ADAPTOR PNLV226 (UC)

On-hook:

Full Spectrum



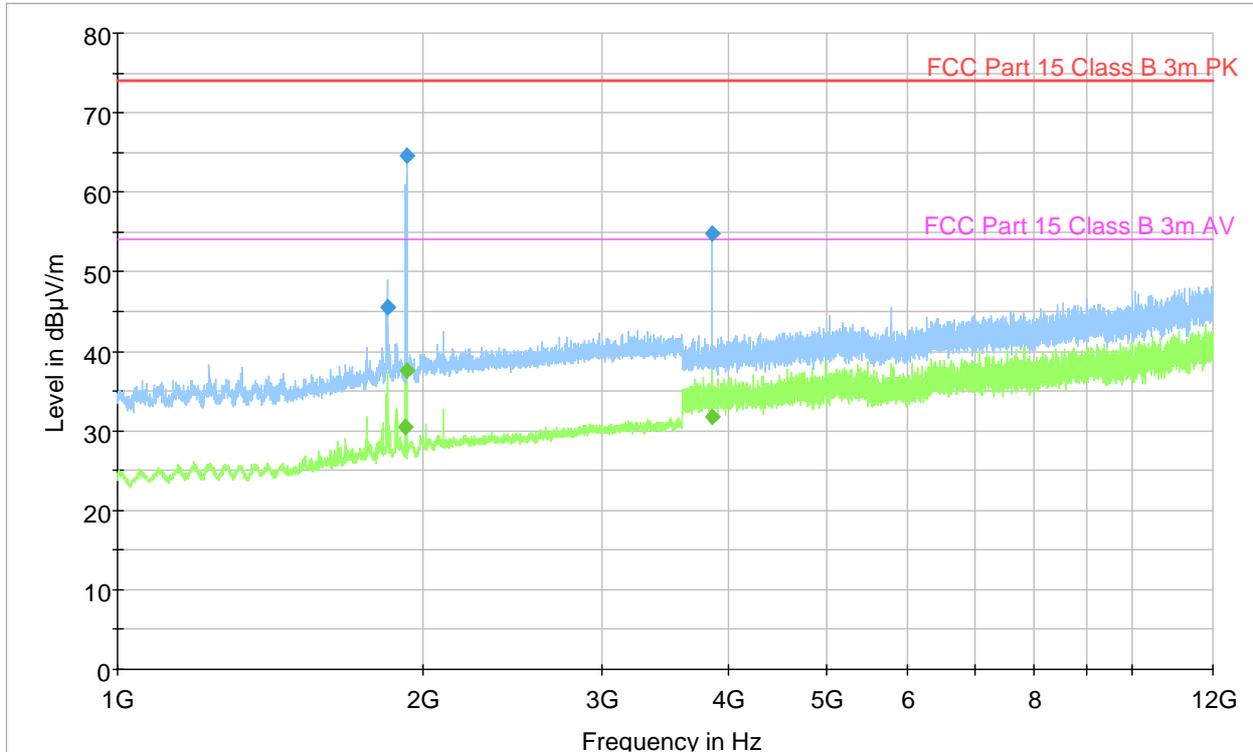
MEASUREMENTS DATA

No emissions found.

EMISSION SPECTRUM (HORIZONTAL POLARIZATION) - BASE KX-TGU430 AND ADAPTOR PNLV226 (UC)

Off-hook:

Full Spectrum



The cursors indicate the DECT carrier and its harmonic.

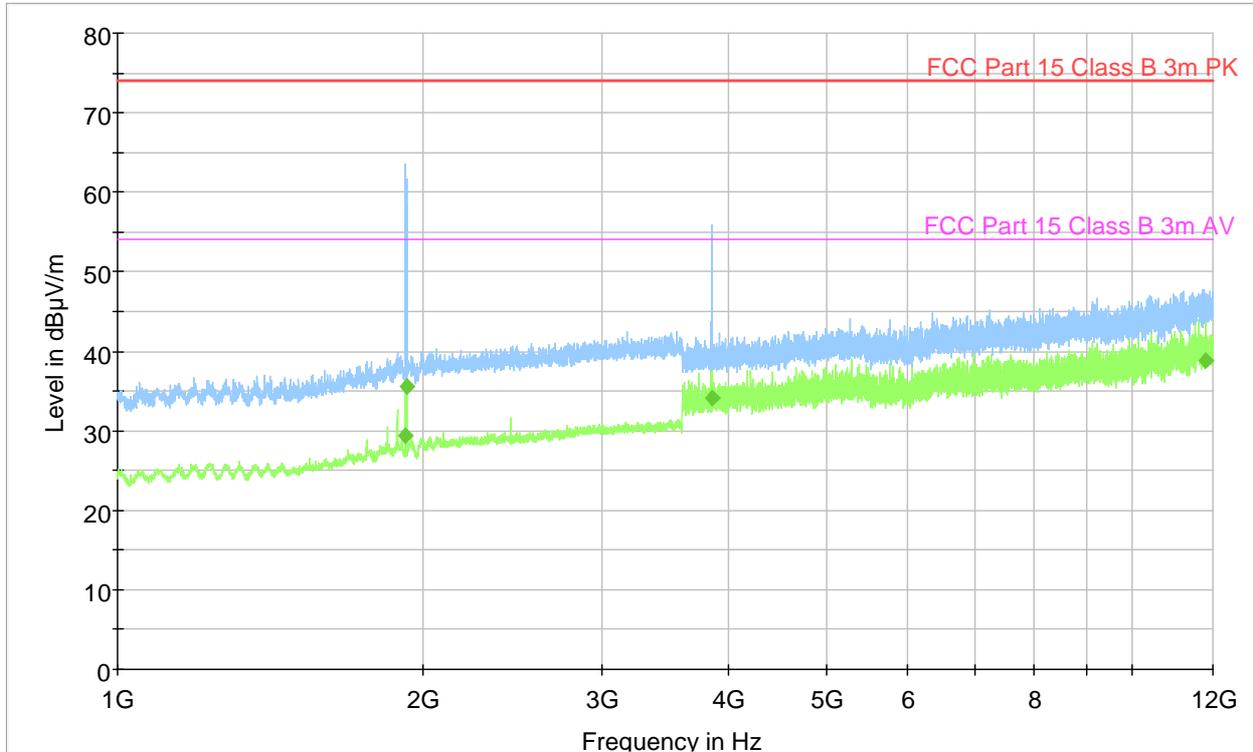
MEASUREMENTS DATA

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1846.850400	45.49	---	74.00	28.51	15000.0	1000.000	100.0	H	327.0	-11.9
3856.993200	54.87	---	74.00	19.13	15000.0	1000.000	100.0	H	64.0	-3.5
3857.250000	---	31.76	54.00	22.24	15000.0	1000.000	100.0	H	327.0	-3.5

EMISSION SPECTRUM (VERTICAL POLARIZATION) - BASE KX-TGU430 AND ADAPTOR PNLV226 (UC)

Off-hook:

Full Spectrum



The cursors indicate the DECT carrier and its harmonic.

MEASUREMENTS DATA

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3856.150000	---	34.10	54.00	19.90	15000.0	1000.000	100.0	V	216.0	-3.5
11797.600000	---	38.79	54.00	15.21	15000.0	1000.000	100.0	V	291.0	7.3

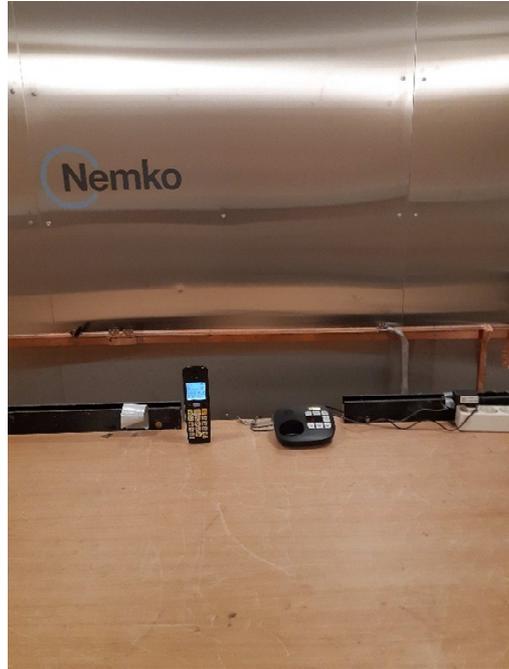
Annexes

PHOTOS

Test set-up for EMC emissions measurements



Base and Handset, On-hook, Conducted emissions



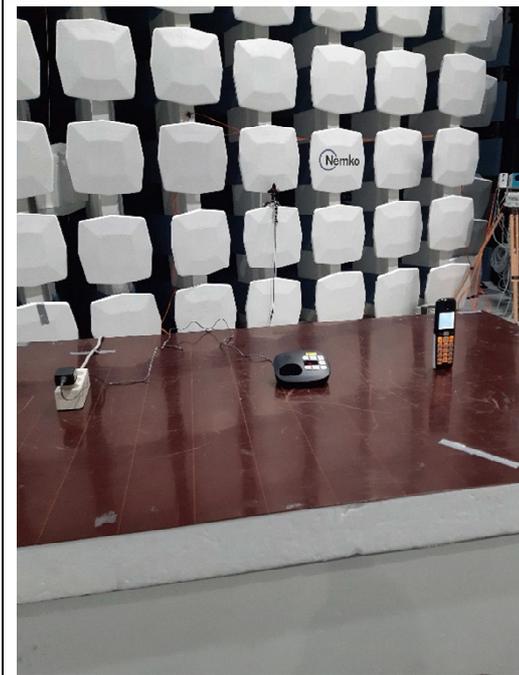
Base and Handset, Off-hook, Conducted emissions



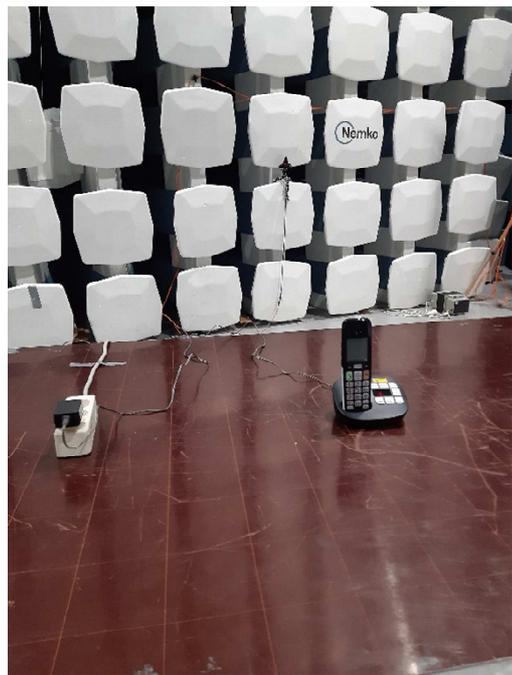
Handset and Charger, On-hook, Conducted emissions



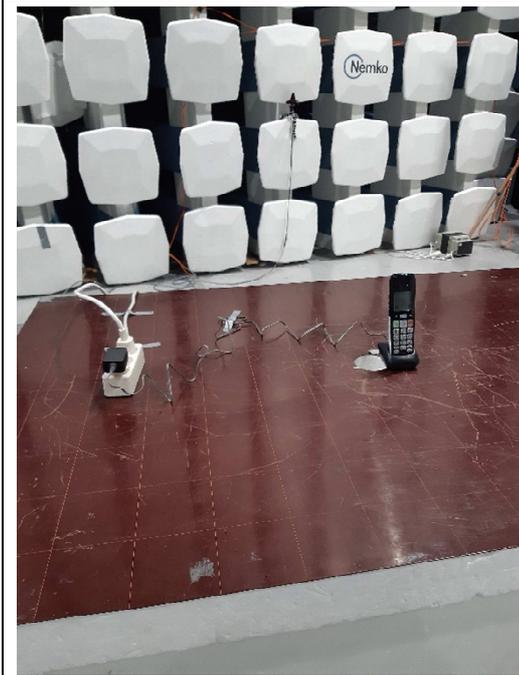
Handset and Charger, Off-hook, Conducted emissions



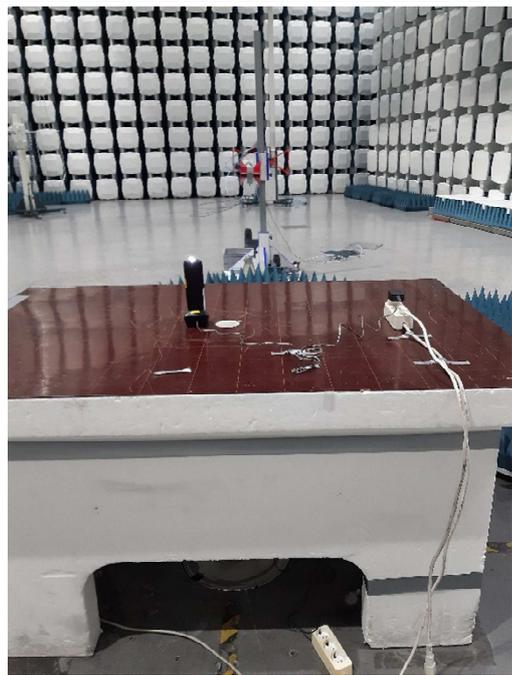
Handset and Base, Off-hook, Radiated emissions



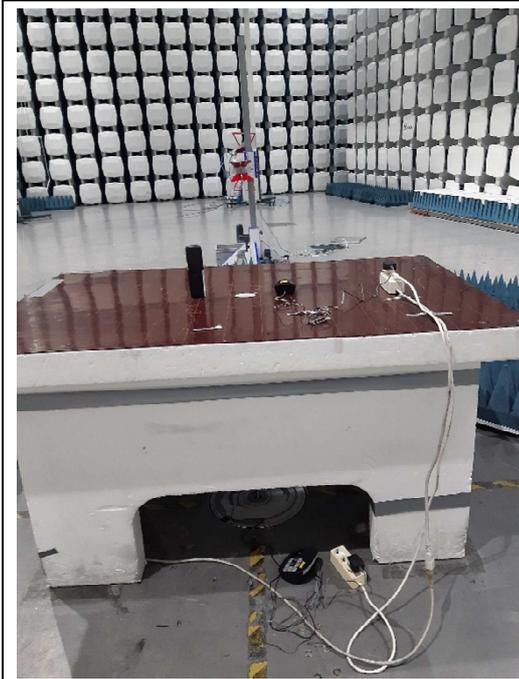
Handset and Base, On-hook, Radiated emissions



Handset and Charger, On-hook, Radiated emissions



Handset and Charger, On-hook, Radiated emissions



Handset and Charger, Off-hook, Radiated emissions