

# Test Report Electromagnetic Compatibility

Product	DECT Base Station		
Name and address of the applicant	Panasonic Corporation of North America Two Riverfront Plaza 9 <sup>th</sup> 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-TGU430, KX-TGU410, KX-TGU120, KX-TGU110 KX-TGU430C, KX-TGU410C, KX-TGU120C, KX-TGU110C		
Rating	5.5V <sub>DC</sub> (from AC Adaptor 120V <sub>AC</sub> /60Hz)		
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	ilac-mra	NORWEGIAN ACCREDITATION TEST 033

An accredited technical test executed under the Norwegian accreditation scheme

Prepared by [Thomas Danglé]

Appyoved by [Christian Borge]



#### REPORT REVISIONS

Report Edition	Date	Project	Description
А	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.

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# **DESCRIPTION OF TESTED ITEM(S)**

Product description:	DECT Base
Model/type:	KX-TGU430, KX-TGU410, KX-TGU120, KX-TGU110 KX-TGU430C, KX-TGU410C, KX-TGU120C, KX-TGU110C
FCC ID	ACJ96NKX-TGU430
ISED ID	216A-KXTGU430
Serial number:	
Operating voltage:	5.5V <sub>DC</sub> (from AC Adaptor 120V <sub>AC</sub> /60Hz)
Maximum power/current:	
Insulation class:	
Highest clock frequency:	
Hardware version:	MP
Software version:	
Mounting position:	☐ Tabletop equipment
	☐ Wall/ceiling mounted equipment
	☐ Floor standing equipment
	☐ Handheld equipment
	☐ Rack mounted equipment
	☐ Console equipment
	☐ Other:
	·

#### **ACCESSORIES USED DURING TEST**

Description	Manufacturer	Туре
AC Adapter (UC)	Panasonic	PNLV226
AC Adapter (ZC)	Panasonic	PNLV226
AC Adapter (ZZ)	Panasonic	PNLV226
Handset	Panasonic	KX-TGUA40

#### **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-TGU430 KX-TGU430C	Base Model with Telephone Answering Machine (TAM) and 7 segment LED	
KX-TGU410 KX-TGU410C	Same as KX-TGU430, but without TAM and 7 segment LED operational PCB	
KX-TGU120 KX-TGU120C	Same as KX-TGU430, includes TAM and operational PCB, but without 7 segment LED	
KX-TGU110 KX-TGU110C	Same as KX-TGU120, but without TAM and operational PCB	

# **INPUT/OUTPUT PORTS**

Port name and description	Cable		
	Longer than 3m	Attached during test	Shielded
AC mains supply		$\boxtimes$	
PSTN, signal port			

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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	$\boxtimes$	
OP2	Operating, Off-hook	$\boxtimes$	

#### **POWER SUPPLY CONDITIONS**

The following nominal power supply conditions have been tested:

PC no.	Voltage	Frequency	Туре	Ground terminal
PC1	120 V	$\square$ AC 50Hz / $\boxtimes$ AC 60Hz / $\square$ DC	$\square$ 3AC / $\square$ 3ACN / $\square$ PoE	$\square$ PE / $\square$ GND / $\boxtimes$ None

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

#### **PHOTOS AND DRAWINGS**

Panasonic

Model No.

KX-TGU430 S HAC

Power Source: 5.5 V == 500 mA

INFORMATION TECHNOLOGY EQUIPMENT
(USE ONLY AC ADAPTOR LISTED
IN THE OPERATING INSTRUCTIONS.)

Reg. No. US: ACJW401AKX-TGU430

Panasonic Corporation of North America
Made in Malaysia

PNGTB279ZA

Photo of the test item .....:







Base down side





AC adaptor, PNLV226 (ZC)

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#### **OTHER INFORMATION**

Modifications:	None
Additional information:	None

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# **TEST ENVIRONMENT**

Test laboratory:	⊠ KJELLER (Instituttveien 6, N-2007 Kjeller, Norway)	
	☐ LYSAKER (Philip Pedersens vei 11, N-1366 Lysaker, Norway)	
Laboratory accreditation:	Norsk Akkreditering – TEST 033  P06 – Electromagnetic Compatibility  NORWEGIAN ACCREDITATION TEST 033	
Environmental conditions:	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:	
	Ambient temperature: $15-35^{\circ}\text{C}$ Relative humidity: $25-75\%\text{RH}$ Atmospheric pressure: $86-106\text{kPa}$	
	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.	
Calibration:	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 IECEE/CTL and defined by Nemko.	
Measurement uncertainties:	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.  Further information about measurement uncertainties is provided on request.	
Decision rules:	As specified by CISPR 16-4-2; if our measurement uncertainty U <sub>LAB</sub> is less than or equal to U <sub>CISPR</sub> , 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.  Further information about decision rules is provided on request.	

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#### **TEST REPORT SUMMARY**

#### **APPLIED STANDARDS**

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

#### **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

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# **Test Results**

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# **CONDUCTED EMISSIONS**

# **TEST DESCRIPTION**

M	ρt	h	n	r

The reference method for the	his test is listed in the table under clause TEST S	SUMMARY.	
	ormed at the power supply terminal of the sped d and in normal operating mode during the me		ge was provided.
$\Box$ The specimen and its cab $\boxtimes$ The specimen and its cab	oles were elevated 10 cm above a ground plane oles were elevated 40 cm above a ground plane oles were placed 40 cm from a vertical ground p ted directly on, and bonded to a ground plane.	Jlane, 80 cm over ground pla	
length by folding.	ected to an Artificial Mains Network (AMN) by it		
☐ Artificial Hand was applie	ed to the specimen during test (for location see	photos)	
Conditions  ☐ Frequency range was 9kH ☐ Frequency range was 10k ☑ Frequency range was 150	kHz – 30MHz.		
100 ms dwell time.	s 200Hz in the frequency range 9 kHz – 150 kHz s 9 kHz in the frequency range 150 kHz – 30 MH		·
Measurement uncertainty:	± 3.7 dB (9 kHz – 150 kHz); ± 3.3 dB (150 kHz – 3	30 MHz)	
Instruments used during me	easurement		
Instrument list:	AC Power Source: Agilent / 6812B (LR-1515) (2 AMN: R&S / ENV216 (LR-1665) (11/2023) EMI Receiver: R&S / ESR 7 (LR-1675) (01/2024)		
		Conformity	
		Verdict:	PASS

Test engineer: TD

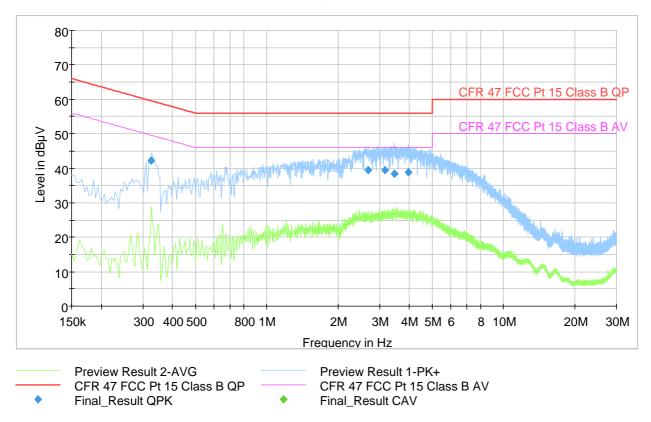
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# **EMISSION SPECTRUM – ADAPTER PNLV226 (UC) AND HANDSET**

On-hook:

#### Full Spectrum



#### **MEASUREMENT DATA**

Frequency	QuasiPeak	CAverage	Limit	Margin	Meas. Time	Bandwidth	Line	Filter	Corr.
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	(ms)	(kHz)			(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

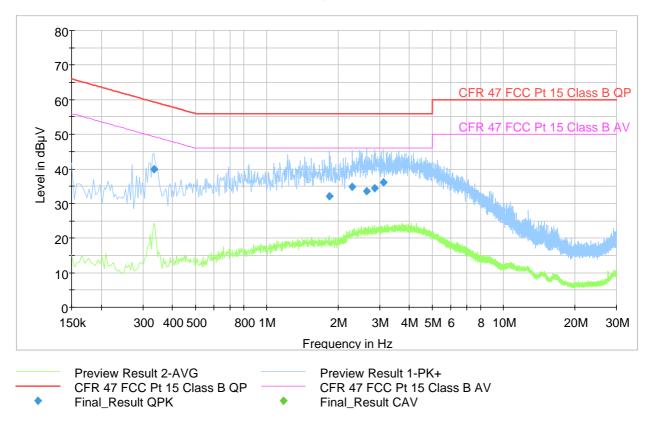
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# **EMISSION SPECTRUM – ADAPTER PNLV226 (UC) AND HANDSET**

Off-hook:

#### Full Spectrum



# **MEASUREMENT DATA**

Frequency	QuasiPeak	CAverage	Limit	Margin	Meas. Time	Bandwidth	Line	Filter	Corr.
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	(ms)	(kHz)			(dB)
0.334000	39.91		59.35	19.44	15000.0	9.000	L1	OFF	9.7
1.838000	32.05		56.00	23.95	15000.0	9.000	N	OFF	9.5
2.290000	34.79	-	56.00	21.21	15000.0	9.000	N	OFF	9.5
2.650000	33.52		56.00	22.48	15000.0	9.000	L1	OFF	9.7
2.850000	34.34		56.00	21.66	15000.0	9.000	L1	OFF	9.7
3.114000	35.99		56.00	20.01	15000.0	9.000	N	OFF	9.5

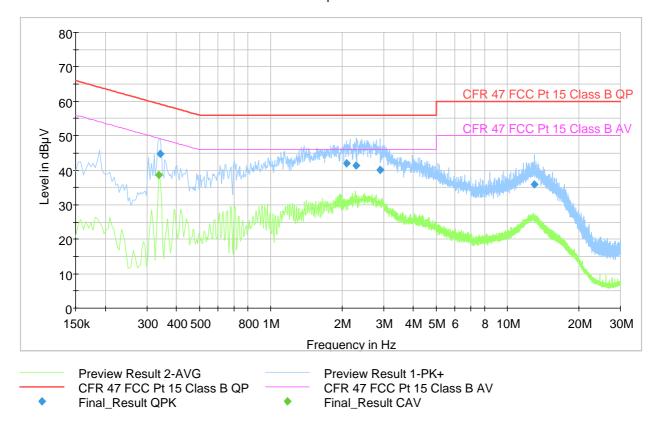
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# EMISSION SPECTRUM – ADAPTER PNLV226 (ZC) AND HANDSET

On-hook:

#### Full Spectrum



#### **MEASUREMENT DATA**

	Frequency	QuasiPeak	CAverage	Limit	Margin	Meas. Time	Bandwidth	Line	Filter	Corr.
	(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	(ms)	(kHz)			(dB)
Ī	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
ſ	2.294000	41.32		56.00	14.68	15000.0	9.000	L1	OFF	9.7
ſ	2.890000	40.18		56.00	15.82	15000.0	9.000	N	OFF	9.5
Ī	12.954000	35.91		60.00	24.09	15000.0	9.000	L1	OFF	9.9

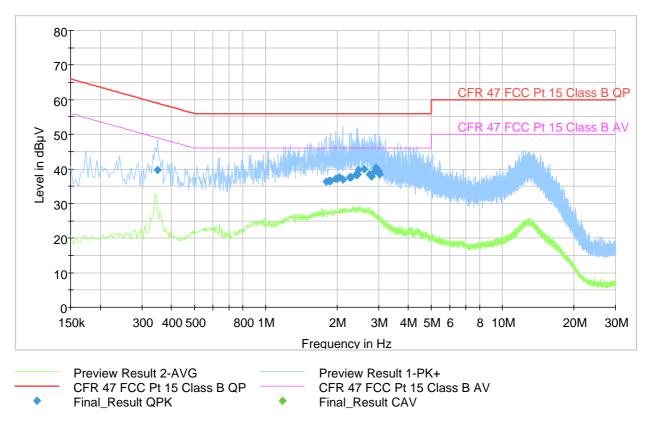
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# EMISSION SPECTRUM – ADAPTER PNLV226 (ZC) AND HANDSET

Off-hook:

#### Full Spectrum



# **MEASUREMENT DATA**

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.350000	39.74		58.96	19.22	15000.0	9,000	L1	OFF	9.7
1.802000	36.22		56.00	19.79	15000.0	9.000	N	OFF	9.5
1.858000	36.44		56.00	19.56	15000.0	9.000	N	OFF	9.5
1.886000	36.62		56.00	19.38	15000.0	9.000	L1	OFF	9.7
1.982000	37.25		56.00	18.75	15000.0	9.000	N	OFF	9.5
1.998000	37.06		56.00	18.94	15000.0	9.000	N	OFF	9.5
2.046000	37.67	-	56.00	18.33	15000.0	9.000	N	OFF	9.5
2.122000	36.95	-	56.00	19.05	15000.0	9.000	N	OFF	9.5
2.254000	37.58		56.00	18.42	15000.0	9.000	N	OFF	9.5
2.294000	37.60		56.00	18.40	15000.0	9.000	N	OFF	9.5
2.418000	38.46		56.00	17.54	15000.0	9.000	N	OFF	9.5
2.434000	38.12		56.00	17.88	15000.0	9.000	N	OFF	9.5
2.446000	38.40		56.00	17.60	15000.0	9.000	N	OFF	9.5
2.462000	39.66		56.00	16.34	15000.0	9.000	N	OFF	9.5
2.614000	39.93	-	56.00	16.07	15000.0	9.000	N	OFF	9.5
2.746000	38.48	-	56.00	17.52	15000.0	9.000	L1	OFF	9.7
2.794000	37.80		56.00	18.20	15000.0	9.000	L1	OFF	9.7
2.870000	39.27	-	56.00	16.73	15000.0	9.000	N	OFF	9.5
2.918000	40.23	-	56.00	15.77	15000.0	9.000	N	OFF	9.5
3.002000	39.29		56.00	16.71	15000.0	9.000	N	OFF	9.5
3.022000	38.34		56.00	17.66	15000.0	9.000	N	OFF	9.5

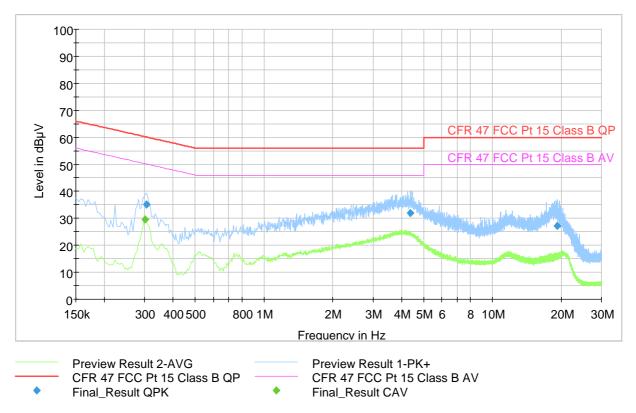
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## **EMISSION SPECTRUM – ADAPTER PNLV226 (ZZ) AND HANDSET**

On-hook:

#### Full Spectrum



#### **MEASUREMENT DATA**

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr.
0.302000		29.53	50.19	20.66	15000.0	9.000	N	OFF	9.7
0.306000	35.11		60.08	24.97	15000.0	9.000	L1	OFF	9.7
4.370000	32.02		56.00	23.98	15000.0	9.000	L1	OFF	9.8

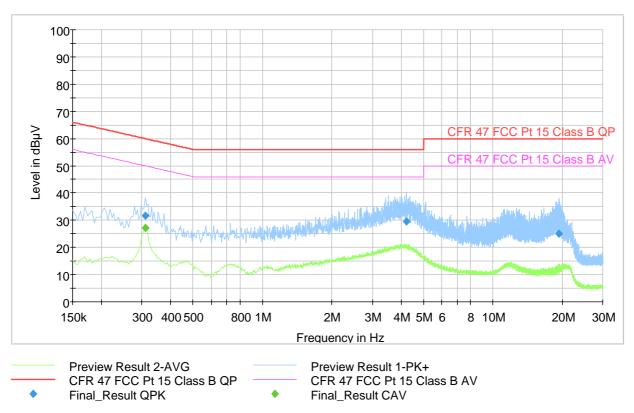
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## **EMISSION SPECTRUM – ADAPTER PNLV226 (ZZ) AND HANDSET**

Off-hook:

#### Full Spectrum



#### **MEASUREMENT DATA**

E	O!D!-	04	1.1	Managin	Mana Time	Daniel de Little	1.200	Eller.	0
Frequency	QuasiPeak	CAverage	Limit	Margin	Meas. Time	Bandwidth	Line	Filter	Corr.
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)	(ms)	(kHz)			(dB)
0.310000	31.65		59.97	28.32	15000.0	9.000	N	OFF	9.7
0.310000		27.12	49.97	22.85	15000.0	9.000	N	OFF	9.7
4.218000	29.47		56.00	26.53	15000.0	9.000	L1	OFF	9.8

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# **RADIATED EMISSIONS (BELOW 1GHZ)**

# **TEST DESCRIPTION**

<b>Method</b> The reference method for	or this test is listed in the table under cla	use TEST SUMMARY.		
	e performed in a semi-anechoic chambe gized and in normal operating mode duri	. ,	as provided.	
<ul><li>☑ The specimen and its</li><li>☐ Ferrite clamps type C</li></ul>	cables were elevated 10 cm above the s cables were placed on a table 80 cm about MAD were applied to cables leaving the to the power supply cable.	ove the site ground plane and pla		
Antenna type = Hybrid b Antenna elevation = 100 Specimen rotation = 0-3	0-400 cm above the ground reference pla	ane.		
☐ Band-stop filter(s) wa	as used to suppress the wanted RF transr	nission band to protect the meas	urement equipmen	t.
Frequency range:  ☐ 30-300MHz  ☑ 30-1000MHz  ☐ Other:	Measurement distance:  ☑ 3m ☐ 5m ☐ 10m			
-	th is 120 kHz in the frequency range 30 I th a sweep time of 20 ms (step size resol		eps with RBW = 120	) kHz and VBW
Measurement uncertain	nty: ± 4.9 dB (3m distance in SAC10); ± 4.	6 dB (3m distance in SAC3); ± 4.6	dB (10m distance in	n SAC10)
Instruments used during	g measurement			
Instrument list:	AC Power Source: Agilent / 6812B (I Antenna, Biconical-log hybrid: Suno EMI Receiver: R&S / ESU40 (LR-163: Preamplifier: Sonoma / 310N (LR-16	l Sciences / JB3 (N-4525) (04/202 9) (01/2024)	5)	
		Conformity		
		Verdict:	PASS	
		Test engineer:	TD	

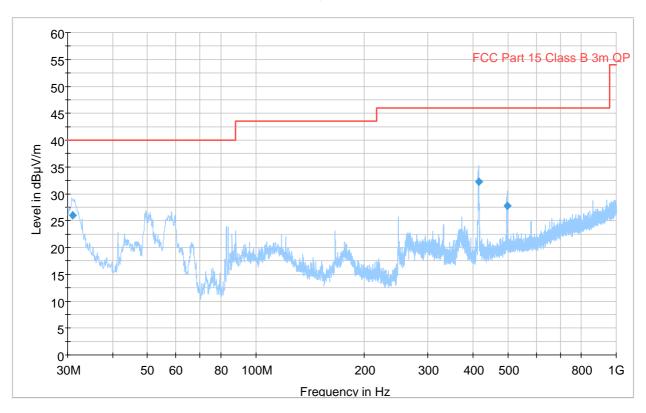
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# **EMISSION SPECTRUM – ADAPTER PNLV226 (UC) AND HANDSET**

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	Н	298.0	-7.4
497.725126	27.72	46.00	18.28	15000.0	120.000	104.0	V	177.0	-5.3

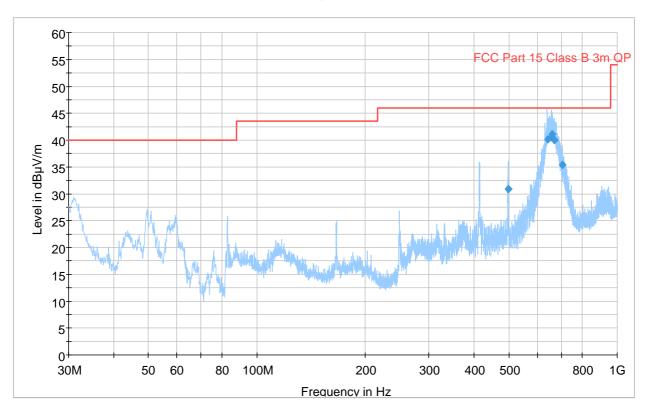
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# **EMISSION SPECTRUM – ADAPTER PNLV226 (UC) AND HANDSET**

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

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# **RADIATED EMISSIONS (ABOVE 1GHZ)**

# **TEST DESCRIPTION**

<b>Method</b> The reference method for th	nis test is listed in the	table under clause TEST SU	MMARY.	
<b>Set-up</b> Nominal supply voltage was	provided. The specim	nen was energized and in n	ormal operating mode duri	ng the measurement.
☐ The specimen and its cab ☑ The specimen and its cab		·		
Facility:  ☐ 3m semi-anechoic chamb  ☑ 10m semi-anechoic cham  ☐ 3m fully anechoic room (I	ber (SAC10) with extr	a floor absorbers* (calibrat		-
* The reference ground plane was co	overed with ferrite absorbe	rs in the reflecting area between th	e specimen and the measuring ant	tenna.
Measurement distance = Antenna elevation = fixed at Specimen rotation = 0-360°. Measurements were perform	centre of specimen h			
⊠ Band-stop filter(s) was us	ed to suppress the wa	anted RF transmission band	to protect the measureme	ent equipment.
Frequency range:  □ 1-2GHz □ 1-5GHz □ 1-6GHz ☑ 1-12GHz	☐ Below ☐ Betwe ☐ Betwe	nternal frequency of specin 108MHz en 108MHz and 500MHz en 500MHz and 1000MHz 1000MHz	nen:	
The measuring bandwidth is applied with a sweep time o kHz).				
Measurement uncertainty:	5.1 dB			
Instruments used during me	easurement			
Instrument list:	EMI Receiver: R&S / Antenna, Horn: ETS / Preamplifier: ETS / 3	ilent / 6812B (LR-1515) (12 ESU40 (LR-1639) (01/2024) '3117 (LR-1717) (12/2027) 117-PA (LR-1757) (08/2024 =1.95 GHz: Microwave Circ		se)
			Conformity	
			Verdict:	PASS
			Test engineer:	TD

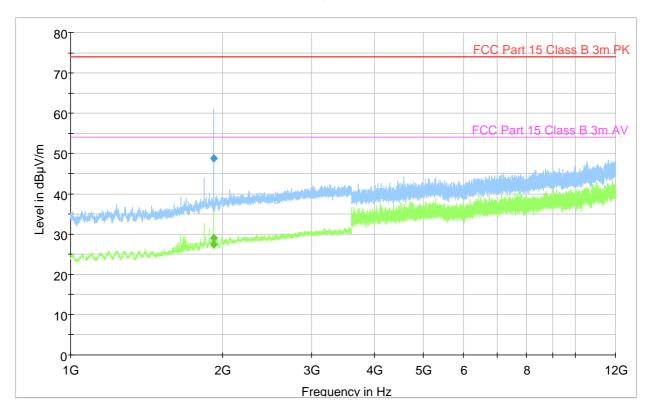
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# EMISSION SPECTRUM (HORIZONTAL POLARIZATION) - ADAPTER PNLV226 (UC) AND HANDSET

On-hook:

#### Full Spectrum



# **MEASUREMENTS DATA**

No emissions found.

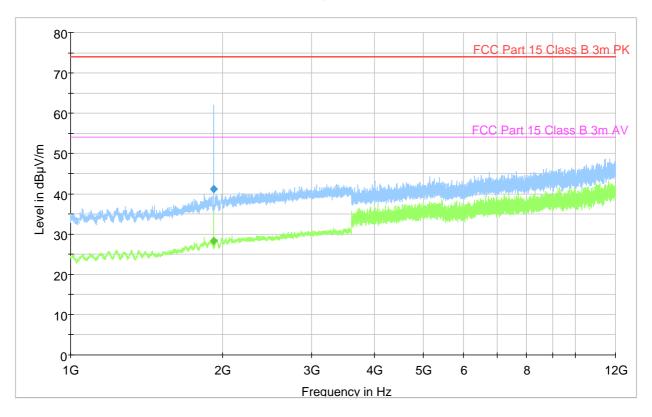
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# EMISSION SPECTRUM (VERTICAL POLARIZATION) - ADAPTER PNLV226 (UC) AND HANDSET

On-hook:

#### Full Spectrum



# **MEASUREMENTS DATA**

No emissions found.

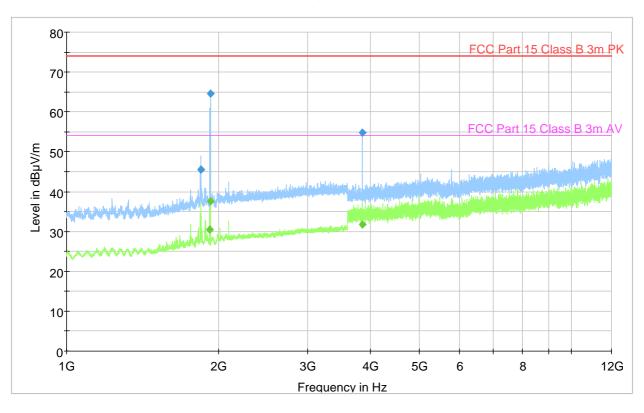
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# EMISSION SPECTRUM (HORIZONTAL POLARIZATION) - ADAPTER PNLV226 (UC) AND HANDSET

Off-hook:

#### Full Spectrum



The cursors indicate the DECT carrier and its harmonic.

#### **MEASUREMENTS DATA**

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

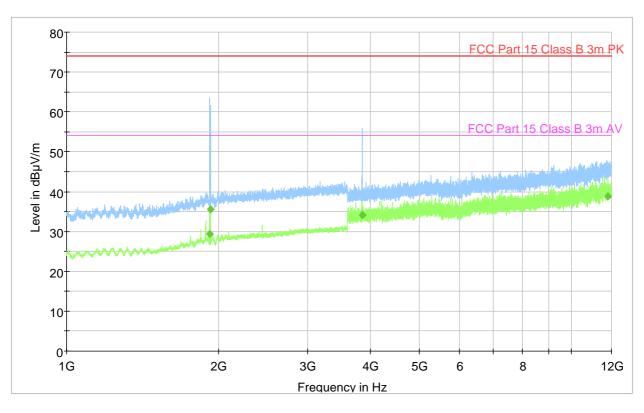
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# EMISSION SPECTRUM (VERTICAL POLARIZATION) - ADAPTER PNLV226 (UC) AND HANDSET

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)
Ī	3856.150000		34.10	54.00	19.90	15000.0	1000.000	100.0	٧	216.0	-3.5
	11797.600000		38.79	54.00	15.21	15000.0	1000.000	100.0	٧	291.0	7.3

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# **Annexes**

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# **PHOTOS**

Test set-up for EMC emissions measurements



Base and Handset, On-hook, Conducted emissions



Base and Handset, Off-hook, Conducted emissions



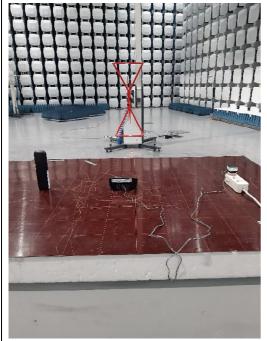
Handset and Base, Off-hook, Radiated emissions



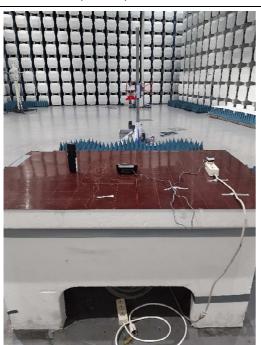
Handset and Base, On-hook, Radiated emissions

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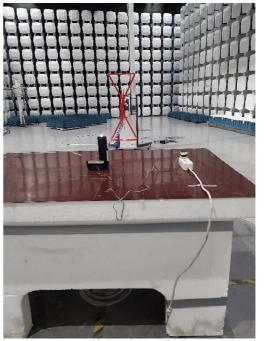




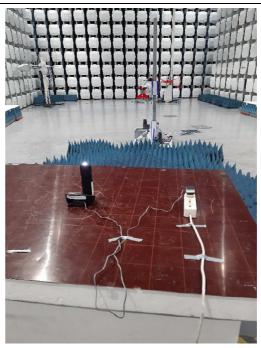
Handset and Base, Off-hook, Radiated emissions



Handset and Base, Off-hook, Radiated emissions



Handset and Base, On-hook, Radiated emissions



Handset and Base, On-hook, Radiated emissions

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