

**世界初**

# 欧州新レギュレーションCENELEC規格テストに合格！

欧州法改正 (2012年11月)

CENELECで新レギュレーション EN 50561-1 が成立

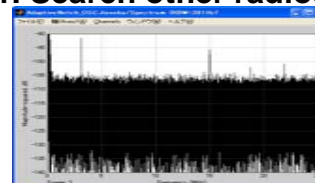


**New EMC Requirements**

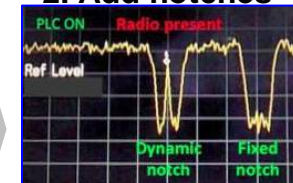
- Dynamic Notching
  - Dynamic Power Control
- => HD-PLCは技術対応済み

**Dynamic Notching**

1. Search other radios



2. Add notches



<http://www.youtube.com/watch?v=ukajnmcekSI>

CETECOM (EU公認認証機関: Notified Body) による  
新レギュレーションテストをクリア (世界初！)

**CETECOM TEST REPORT**

7.1.1 PLC port

EMI Phenomenon	Frequency range	Basic standard	Result
conducted unsymmetrical disturbances	150 kHz – 1,6065 MHz	FprEN 50561-1 chapter 9.1 - 1	passed
conducted unsymmetrical disturbances	1,6065 MHz – 30 MHz	FprEN 50561-1 chapter 9.1 – 1	passed
conducted unsymmetrical disturbances	150 kHz – 30 MHz	FprEN 50561-1 chapter 9.1 - 2	passed
dynamic power control	1,6065 MHz – 30 MHz	FprEN 50561-1 chapter 9.2	passed
cognitive frequency exclusion	see each test case	FprEN 50561-1 chapter 9.3	passed
conducted asymetric disturbances	1,6065 MHz – 30 MHz	FprEN 50561-1 chapter 9.4	passed

**ALL OK!**



**SHORT TEST REPORT**

Test Report No.: 1-6522/13-01-02

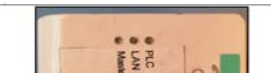
<p><b>Testing Laboratory</b></p> <p>CETECOM ICT Services GmbH Untertürkheimer Straße 6 – 10 56117 Saarbrücken/Germany Phone: +49 681 5 98 - 0 Fax: +49 681 5 98 - 9075 Internet: <a href="http://www.cetecom.com">http://www.cetecom.com</a> e-mail: <a href="mailto:ict@cetecom.com">ict@cetecom.com</a></p> <p>Accredited Testing Laboratory: The testing laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025 (2005) by the Bundesagentur für Wirtschaftsprüfungstechnik GmbH (DAK-AS). The accreditation is valid for the scope of testing measures as stated in the accreditation certificate with the registration number: D-PL-12076-01-01</p>	<p><b>Applicant</b></p> <p>Panasonic System Networks Co., LTD 4-1-52 Minoshima Hakata-Ku Fukuoka 812-8531 Japan 812-8531, Fukuoka Contact: Mr Toshiyuki Wakisaka Phone: +81-92-477-1671 Fax: +81-92-477-1285 e-mail: <a href="mailto:wakisaka.toshiyuki@jp.panasonic.com">wakisaka.toshiyuki@jp.panasonic.com</a></p> <p><b>Manufacturer</b> same as applicant</p>
---	--

**Test Standard/s**

Power line communication apparatus used in low-voltage installations – radio disturbance characteristics – Limits and methods of measurement – Part 1: Apparatus for in-home use

**Test Item**

Kind of test item: Power line equipment  
Model name: HD-PLC 1901 ROSE  
S/N serial number: MAC: 00:50:5B:EE:00:25  
HW hardware status: prototype  
SW software status: unknown  
Power supply: AC: 230 V / 50 Hz



HD-PLC 1901 sample adapter for CENELEC

This test report is electronically signed and valid without hand-written signature. The public keys can be requested at the test laboratory to verify the electronic signatures.

**Test performed:**

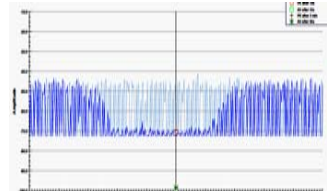
*Jens Hennemann*  
Jens Hennemann  
Testing Manager

**Test Report authorised:**

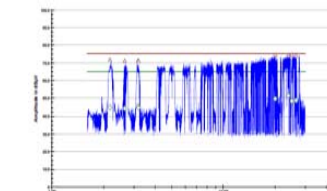
*Ulli Kraus*  
Ulli Kraus  
Senior Testing Manager



テスト環境



Dynamic Notching



Dynamic Power Control