
Kategorie:EMV

Kurzinformation

Elektromagnetische Verträglichkeit (EMV) ist die Fähigkeit eines technischen Geräts, andere Geräte nicht durch (ungewollte) elektrische oder elektromagnetische Effekte zu beeinflussen. Oder auch selbst durch andere Geräte gestört zu werden.

ENAMS - automatisches Empfangssystem zur Erfassung des Störpegels

Vorträge und Publikationen zum Thema ENAMS, zur Verfügung gestellt vom DARC.

ENAMS ist ein automatisches flächendeckendes Empfangssystem zur Erfassung des Störpegels im Frequenzbereich 50 kHz bis 30 MHz.

[[Messsystem für elektromagnetische Störungen \(cqDL 12/2017\)](#)] [[Aktive Empfangsantenne für ENAMS \(cqDL 2/2018\)](#)] [[Projektstand ENAMS \(cqDL 3/2019\)](#)] [[ENAMS - Auslieferung begonnen \(cqDL 4/2020\)](#)] [[ENAMS jetzt aktiv \(cqDL 5/2020\)](#)] [[Das ENAMS Projekt im Detail \(cqDL 6/2020\)](#)] [[Die Antenne - wichtiger Teil des Systems \(cqDL 7/2020\)](#)] [[Vortrag über ENAMS \(Weinheim 2019\)](#)] [[Anforderungen an einen Empfangsstandort](#)]

CISPR Guide 2019

Auf Grund der großen Bedeutung von [\[CISPR\]](#), einer Unterorganisation der IEC (International Electrotechnical Commission) ist der CISPR Guide 2019 interessant.

CISPR ist deswegen von großer Bedeutung für den Amateurfunk, da dort wesentliche Weichenstellungen für das EMV-Verhalten von (neuen) Technologien erfolgen. Neben dem zentralen CISPR-Komitee (in dem die Anliegen des Amateurfunks durch einen IARU-Spezialisten vertreten werden), wird wesentliche Arbeit in den nationalen Organisationen der IEC (in Österreich ÖVE) geleistet.

Während CISPR auf globaler Ebene agiert, existieren in verschiedenen globalen Regionen (ähnlich ITU-Regionen) Regelwerke, die regional ergänzend oder verschärfend wirken, wie z.B. die europäischen Normen EN oder Verordnungen der Europäischen Union.

Hier mitzumachen ist vielleicht nicht jedermanns Sache, dennoch ist es wichtig, zu wissen „wo die Musik spielt“, wo entscheidend mitgestaltet wird, wie es mit dem Schutz der Amateurfunkbänder weiter geht. Wer sich mit der Materie beschäftigt, wird schnell feststellen, wie mannigfaltig die Bedrohungen sind, wie begehrt und umkämpft das Radiospektrum ist. (Wolfgang Mahr OE1MHZ)

[[CISPR Guide 2019](#)]

Unterkategorien

Diese Kategorie enthält nur die folgende Unterkategorie:

E

- ► [EMV/Normenarbeit \(IARU\)](#) (leer)

Seiten in der Kategorie „EMV“

Folgende 10 Seiten sind in dieser Kategorie, von 10 insgesamt.

C

- [CISPR Guide 2019](#)

E

- [Elektromagnetische Umweltverträglichkeit](#)
- [ENAMS](#)
- [ENAMS Auswertungen Heatmaps](#)
- [ENAMS Auswertungen Noise Floor](#)
- [ENAMS Auswertungen Spektren](#)

F

- [Fallstudie TV Box: Declaration of Conformity](#)

S

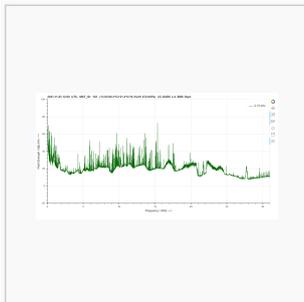
- [Smart Meter](#)
- [Störungen durch PLC \(Powerline Communications\)](#)

W

- [WPT-EV](#)

Medien in der Kategorie „EMV“

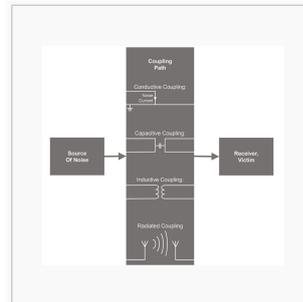
Folgende 12 Dateien sind in dieser Kategorie, von 12 insgesamt.



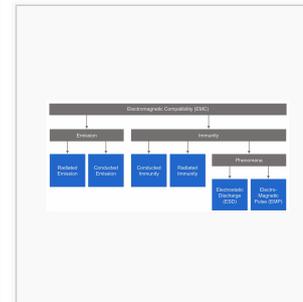
2021-11-25 1200 UTC
Spectrum 0-30MHZ.
png 3.323 × 1.746;
379 KB

| Parameter | Value | Note |
|-------------------|--------------------|--|
| Class | 3500 1410 | Lower frequency of CENELEC A-weighting (reference value: 20) |
| Class | 9000 810 | Upper frequency of CENELEC A-weighting (reference value: 10) |
| Parameter's model | 10 to 22.39 to 127 | Class A.2.1 of IEC 61010-2 |
| Reference value | | Class A.2.1 of IEC 61010-2 |

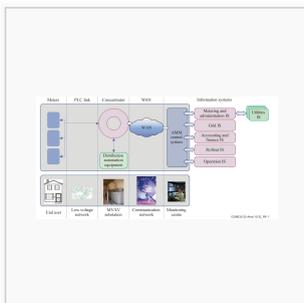
CENELEC-A.jpg 1.328
× 374; 160 KB



Coupling Path.jpg 951
× 861; 73 KB



EMC Overview.jpg
1.142 × 528; 115 KB



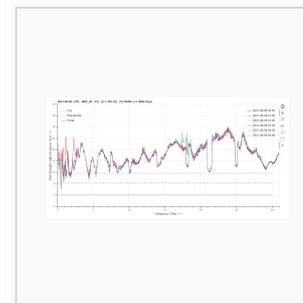
G3-PLC Network
Architecture.jpg 1.329
× 679; 266 KB

Comparison of PLC G3 and PRIME

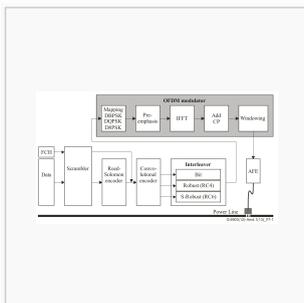
isplc 2011 hoch.pdf
1.239 × 1.754, 5
Seiten; 322 KB

- SERIES OF IEC RECOMMENDATIONS
- IEC 61000-1: Harmonic current limits (IEC 61000-1)
 - IEC 61000-2: Limits and measurement methods for conducted emission (IEC 61000-2)
 - IEC 61000-3: Limits and measurement methods for conducted emission (IEC 61000-3)
 - IEC 61000-4: Immunity to voltage dips, voltage sags, voltage interruptions and voltage fluctuations with short duration (IEC 61000-4)
 - IEC 61000-5: Immunity to common mode conducted emission (IEC 61000-5)
 - IEC 61000-6: Immunity to radiated electromagnetic fields (IEC 61000-6)
 - IEC 61000-7: Immunity to radiated electromagnetic fields (IEC 61000-7)
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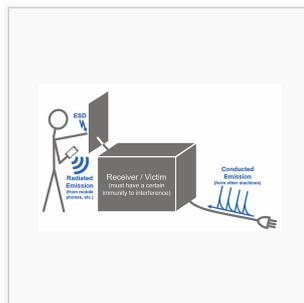
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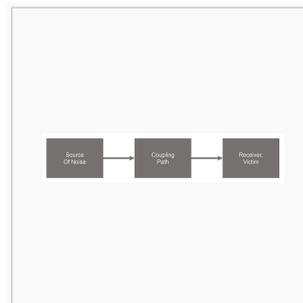
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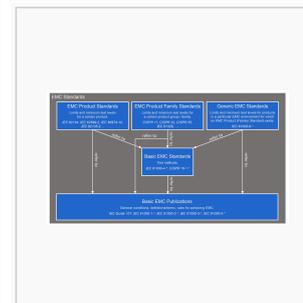
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Source-Coupling-Receiver.jpg
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Standards.jpg 1.248 ×
697; 249 KB