

Kategorie:EMV

Kontext Elektromagnetische Verträglichkeit

Einleitung ---

Einleitender Text

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](#)

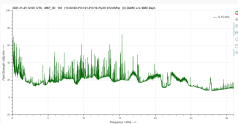
S

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

W

- [WPT-EV](#)

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



Notation	Value	Note
f_{start}	35,937.5 kHz	Lowest frequency of CENELEC-A bandplan (subcarrier number 27)
f_{end}	93,625 kHz	Highest frequency of CENELEC-A bandplan (subcarrier number 58)
Previously excluded subcarrier indices	0 to 22, 99 to 127	Clause A.4.2.1 of [ITU-T G.9902]

The diagram illustrates the various coupling paths between a 'Source of Noise' and a 'Receiver/Victim'. A central vertical grey bar is labeled 'Coupling Paths' at the top. Inside this bar, from top to bottom, are: 'Conductive Coupling' (with a symbol for a wire and a ground connection), 'Capacitive Coupling' (with a symbol for two parallel plates), 'Inductive Coupling' (with a symbol for two overlapping loops), and 'Radiated Coupling' (with a symbol for two antennas emitting/receiving waves). Arrows point from the 'Source of Noise' box on the left to the coupling paths, and from the coupling paths to the 'Receiver/Victim' box on the right.

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graph TD
    EMC[Electromagnetic Compatibility EMC] --> Emission[Emission]
    EMC --> Immunity[Immunity]
    Emission --> RE[Radiated Emission]
    Emission --> CE[Conducted Emission]
    Immunity --> CI[Conducted Immunity]
    Immunity --> RI[Radiated Immunity]
    Immunity --> Phenomena[Phenomena]
    Phenomena --> ESD[Electrostatic Discharge ESD]
    Phenomena --> EMP[Electro-Magnetic Pulse EMP]
  
```

[illegible]

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Series V	Terminology for the telephone network
Series W	Data networks, open space communications and security
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Series Z	Language and general software aspects of telecommunications systems

```

graph LR
    PC11[PC11] --> Scrambler[Scrambler]
    Data[Data] --> Scrambler
    Scrambler --> RootSpace[Root-Space encoder]
    RootSpace --> Constellation[Constellation encoder]
    Constellation --> Interleaver
    subgraph Interleaver
        Bit[Bit]
        Robust[Robust (RC4)]
        SRobust[S-Robust (RC3)]
    end
    Interleaver --> OFDMModulator
    subgraph OFDMModulator
        Mapping[Mapping (DPSK, QPSK, DPSK)]
        PreCoding[Pre-coding]
        FFT[FFT]
        AddCP[Add CP]
        Windowing[Windowing]
    end
    OFDMModulator --> AD[ADC]
    AD --> PowerLine[Power Line]
  
```

ESD

Radiated Emission
(from mobile phones, etc.)

Receiver / Victim
(must have a certain immunity to interference)

Conducted Emission
(from other machines)

```

graph LR
    A[Source Of Noise] --> B[Coupling Path]
    B --> C[Receiver, Victim]
  
```

[illegible]

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