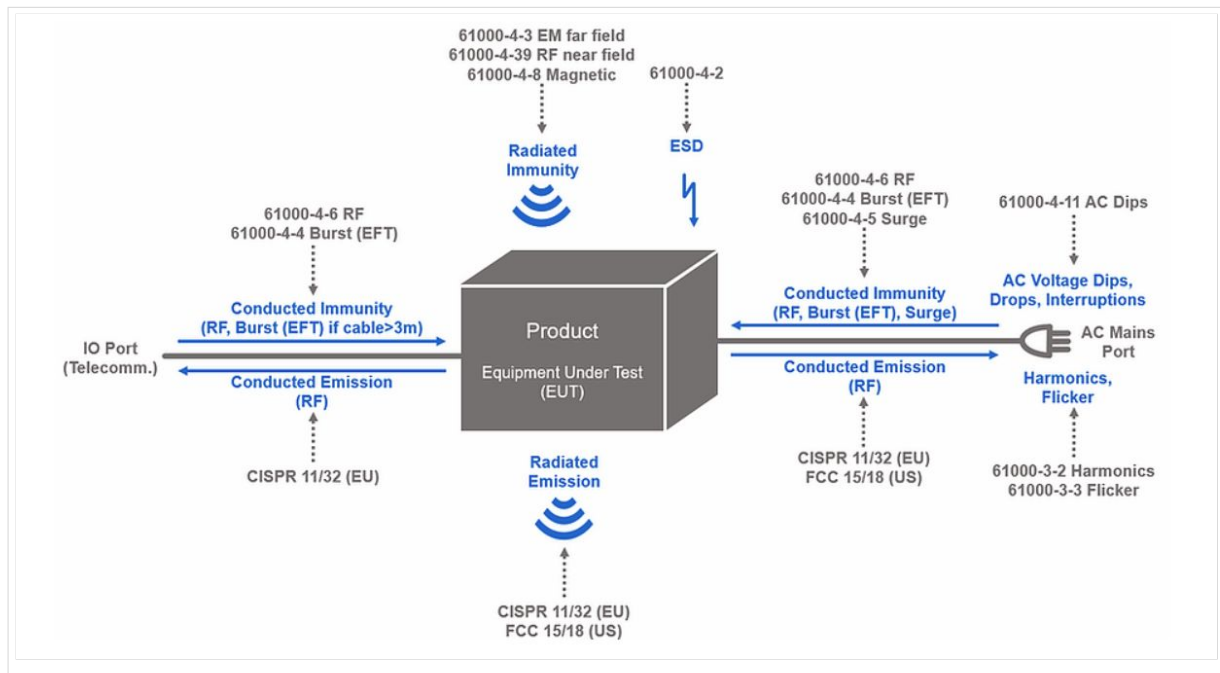


Kategorie:EMV

EMV (Elektromagnetische Verträglichkeit)

In dieser Kategorie sind Informationen zu Elektromagnetische Verträglichkeit (EMV) zu finden. Darunter versteht man die Fähigkeit eines technischen Gerätes, andere Geräte nicht durch (ungewollte) elektrische oder elektromagnetische Effekte zu beeinflussen. Oder auch selbst durch andere Geräte gestört zu werden.



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](#)

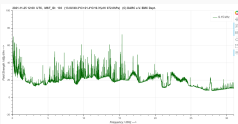
S

- [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.

```

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]

SERIES OF ITU-T RECOMMENDATIONS	
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Series B	Study of the requirements and operational characteristics of IT-T services and policy issues
Series C	Study of systems, equipment, applications, services and associated features
Series D	Study of standards
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Series F	Audiovisual and multimedia systems
Series G	Telecommunications digital networks
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Series I	Postcode/signalling systems
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Series W	Telephony services
Series X	Telephony services over the telephone network
Series Y	Data networks, open space communications and security
Series Z	Global telecommunications, transnational aspects, were geographic networks, international and inter-connection
Series 0	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]

Seite 3 von 3