

## Scope of DAkKS Flexible Accreditation

| Technical field           | Standard / in house procedure / Version               | Title of standard or in house procedure (deviations / modifications of standard)  | Test area / reductions   |
|---------------------------|---|---|--------------------------|
| <b>Generic Standards:</b> |   |   |                          |
| EMC                       | IEC 61000-6-1: 2016                                   | Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments          |                          |
| EMC                       | BS EN IEC 61000-6-1: 2019<br>(EN IEC 61000-6-1: 2019) | Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments          |                          |
| EMC                       | IEC 61000-6-2: 2016                                   | Electromagnetic compatibility (EMC) – Part 6- 2: Generic standards – Immunity for industrial environments   |                          |
| EMC                       | BS EN IEC 61000-6-2: 2019<br>(EN IEC 61000-6-2: 2019) | Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments  |                          |
| EMC                       | IEC 61000-6-3:2020                                    | Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments                     |                          |
| EMC                       | BS EN IEC 61000-6-3:2021<br>(EN IEC 61000-6-3:2021)   | Electromagnetic compatibility (EMC) – Part 6-3: Generic standards — Emission standard for equipment in residential environments                     |                          |
| EMC                       | IEC 61000-6-4: 2018                                   | Electromagnetic compatibility (EMC) – Part 6- 4: Generic standards – Emission standard for industrial environments                                  | Measurement distance 3 m |
| EMC                       | BS EN IEC 61000-6-4:2019<br>(EN IEC 61000-6-4:2019)   | Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments                                   | Measurement distance 3 m |
| <b>Basic Standards:</b>   |   |   |                          |
| EMC                       | IEC 61000-4-2: 2008                                   | Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test                          |                          |
| EMC                       | BS EN 61000-4-2: 2009<br>(EN 61000-4-2: 2009)         | Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test                          |                          |
| EMC                       | IEC 61000-4-3: 2020                                   | Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test |                          |

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| EMC             | BS EN IEC 61000-4-3: 2020<br>(EN IEC 61000-4-3: 2020)                   | Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test   |                               |
| EMC             | IEC 61000-4-4: 2012   | Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test  | 1 ph only                     |
| EMC             | BS EN 61000-4-4: 2012<br>(EN 61000-4-4: 2012)                           | Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test  | 1 ph only                     |
| EMC             | IEC 61000-4-5: 2014+<br>A1:2017   | Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test  | 1 ph only                     |
| EMC             | BS EN 61000-4-5: 2014 +<br>A1:2017<br>(EN 61000-4-5: 2014 +<br>A1:2017) | Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test  | 1 ph only                     |
| EMC             | IEC 61000-4-6: 2013   | Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields  |                               |
| EMC             | BS EN 61000-4-6: 2014<br>(EN 61000-4-6: 2014)                           | Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields  |                               |
| EMC             | IEC 61000-4-8: 2009   | Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test   | ≤ 300 A/m<br>(short duration) |
| EMC             | BS EN 61000-4-8: 2010<br>(EN 61000-4-8: 2010)                           | Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test   |                               |
| EMC             | IEC 61000-4-9: 2016   | Electromagnetic compatibility (EMC) – Part 4-9: Testing and measurement techniques – Pulse magnetic field immunity test   |                               |
| EMC             | BS EN 61000-4-9: 2016<br>(EN 61000-4-9: 2016)                           | Electromagnetic compatibility (EMC) – Part 4-9: Testing and measurement techniques – Pulse magnetic field immunity test   |                               |
| EMC             | IEC 61000-4-11: 2020  | Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase | 1 ph only                     |

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| EMC  | BS EN IEC 61000-4-11: 2020<br>(EN IEC 61000-4-11: 2020)             | Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase | 1 ph only                  |
| EMC  | IEC 61000-4-13: 2002 +A1: 2009 +A2: 2015                            | Electromagnetic compatibility (EMC) – Part 4-13: Testing and measurement techniques – Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests                      | 1 ph only                  |
| EMC  | BS EN 61000-4-13: 2002 +A2: 2016<br>(EN 61000-4-13: 2002 +A2: 2016) | Electromagnetic compatibility (EMC) – Part 4-13: Testing and measurement techniques – Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests                      | 1 ph only                  |
| EMC  | IEC 61000-4-16: 2015  | Electromagnetic compatibility (EMC) – Part 4-16: Testing and measurement techniques – Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz                               |                            |
| EMC  | BS EN 61000-4-16: 2016<br>(EN 61000-4-16: 2016)                     | Electromagnetic compatibility (EMC) Part 4-16: Testing and measurement techniques — Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz                                 |                            |
| EMC  | IEC 61000-4-20: 2010  | Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguides  |                            |
| <b>Product Family Standards and Product Standards:</b> |   |   |                            |
| EMC  | BS EN 12015: 2020<br>(EN 12015: 2020)                               | Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Emission   | Except harmonic distortion |
| EMC  | BS EN 12016: 2013<br>(EN 12016: 2013)                               | Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Immunity   |                            |
| EMC  | BS EN 50130-4: 2011 +A1: 2014<br>(EN 50130-4: 2011 +A1: 2014)       | Alarm systems – Part 4: Electromagnetic compatibility – Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems                     |                            |

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|-----------------|---|--|---|
| EMF             | BS EN 50413: 2019<br>(EN 50413: 2019)                       | Basic standard on measurement and calculation procedures for human exposure to electric, magnetic and electromagnetic fields (0 Hz - 300 GHz)            | Except SAR measurement<br>Frequency: f ≤ 40 GHz |
| EMF             | BS EN 50492: 2008 +A1: 2014<br>(EN 50492: 2008 +A1: 2014)   | Basic standard for the in-situ measurement of electromagnetic field strength related to human exposure in the vicinity of base Stations                  |   |
| EMC             | IEC/CISPR 11: 2015 +A1 : 2016 + A2:2019                     | Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement                           | Measurement distance: 3 m                       |
| EMC             | BS EN 55011: 2016 + A2: 2021<br>(EN 55011: 2016 + A2: 2021) | Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement                           | Measurement distance: 3 m                       |
| EMC             | IEC/CISPR 13: 2009 +A1: 2015                                | Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of Measurement                |   |
| EMC             | BS EN 55013: 2013 +A1: 2016<br>(EN 55013: 2013 +A1: 2016)   | Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of Measurement                |   |
| EMC             | IEC/CISPR 14-1: 2020  | Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission                           |   |
| EMC             | BS EN IEC 55014-1:2021<br>(EN IEC 55014-1:2021)             | Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission                           |   |
| EMC             | IEC/CISPR 14-2: 2020  | Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard |   |
| EMC             | BS EN IEC 55014-2:2021<br>(EN IEC 55014-2:2021)             | Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard |   |
| EMC             | IEC/CISPR 15: 2018  | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment                                      |   |

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|-----------------|---|---|--|
| EMC             | BS EN IEC 55015: 2019 + A11: 2020<br>(EN IEC 55015: 2019 + A11: 2020) | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment   |  |
| EMC             | IEC/CISPR 20: 2006 +A1: 2013  | Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement  | Audio broadcast receivers only – no TV |
| EMC             | BS EN 55020: 2007+A12:2016  | Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement  |  |
| EMC             | IEC/CISPR 22: 2008  | Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement  |  |
| EMC             | BS EN 55022: 2010<br>(EN 55022: 2010)                                 | Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement  |  |
| EMC             | IEC/ CISPR 24: 2010 +A1: 2015   | Information technology equipment – Immunity characteristics – Limits and methods of measurement   |  |
| EMC             | BS EN 55024: 2010+A1: 2015<br>(EN 55024:2010 +A1:2015)                | Information technology equipment – Immunity characteristics – Limits and methods of measurement   |  |
| EMC             | IEC/CISPR 32: 2015 +A1:2019   | Electromagnetic compatibility of multimedia equipment – Emission requirements   |  |
| EMC             | BS EN 55032: 2015 + A11:2020<br>(EN 55032: 2015+ A11:2020)            | Electromagnetic compatibility of multimedia equipment – Emission requirements   |  |
| EMC             | IEC/CISPR 35: 2016  | Electromagnetic compatibility of multimedia equipment – Immunity requirements   |  |
| EMC             | BS EN 55035: 2017+A11:2020<br>(EN 55035: 2017+A11: 2020)              | Electromagnetic compatibility of multimedia equipment – Immunity requirements   |  |
| EMC             | IEC 60601-1-2: 2014 +A1:2020  | Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests |  |

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|-----------------|---|--|------------------------|
| EMC             | BS EN 60601-1-2: 2015 +A1:2021<br>(EN 60601-1-2: 2015 +A1:2021)           | Medical electrical equipment Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests  |                        |
| EMC             | IEC 61000-3-2: 2018 + A1:2020   | Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)  |                        |
| EMC             | BS EN IEC 61000-3-2: 2019 + A1:2021<br>(EN IEC 61000-3-2: 2019 + A1:2021) | Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)  |                        |
| EMC             | IEC 61000-3-3: 2013 + A1:2017 + A2:2021                                   | Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection                   |                        |
| EMC             | BS EN 61000-3-3: 2013+A1:2019<br>(EN 61000-3-3: 2013+A1:2019)             | Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection                   |                        |
| EMC             | IEC 61326-1: 2020   | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements   |                        |
| EMC             | BS EN IEC 61326-1: 2021<br>(EN IEC 61326-1: 2021)                         | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements   |                        |
| EMC             | IEC 61326-2-1: 2020   | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications |                        |

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| EMC             | BS EN IEC 61326-2-1: 2021<br>(EN IEC 61326-2-1: 2021) | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications   |                        |
| EMC             | IEC 61326-2-2: 2020                                   | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems                                      |                        |
| EMC             | BS EN IEC 61326-2-2: 2021<br>(EN IEC 61326-2-2: 2021) | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems                                      |                        |
| EMC             | IEC 61326-2-3: 2020                                   | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning  |                        |
| EMC             | BS EN IEC 61326-2-3: 2021<br>(EN IEC 61326-2-3: 2021) | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning  |                        |
| EMC             | IEC 61326-2-4: 2020                                   | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-4: Particular requirements – Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 |                        |

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| EMC             | BS EN IEC 61326-2-4: 2021<br>(EN IEC 61326-2-4: 2021) | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-4: Particular requirements – Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2012) |                        |
| EMC             | IEC 61326-2-5: 2020                                   | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-5: Particular requirements – Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1   |                        |
| EMC             | BS EN IEC 61326-2-5: 2021<br>(EN IEC 61326-2-5: 2021) | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-5: Particular requirements – Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1   |                        |
| EMC             | IEC 61326-2-6: 2020                                   | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment   |                        |
| EMC             | BS EN IEC 61326-2-6: 2021<br>(EN IEC 61326-2-6: 2021) | Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment   |                        |
| EMC             | IEC 61547: 2020                                       | Equipment for general lighting purposes – EMC-immunity requirements   |                        |
| EMC             | BS EN 61547: 2009<br>(EN 61547: 2009)                 | Equipment for general lighting purposes – EMC immunity requirements   |                        |
| EMC             | IEC 62040-2: 2016                                     | Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements  |                        |
| EMC             | BS EN 62040-2: 2018<br>(EN 62040-2: 2018)             | Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements  |                        |
| EMC             | IEC 62236-1: 2018                                     | Railway applications – Electromagnetic compatibility – Part 1: General  |                        |
| EMC             | BS EN 50121-1: 2017<br>(EN 50121-1: 2017)             | Railway applications – Electromagnetic compatibility – Part 1: General  |                        |

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| EMC             | IEC 62236-2: 2018  | Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world   |   |
| EMC             | BS EN 50121-2: 2017 (EN 50121-2: 2017)                           | Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world   |   |
| EMC             | IEC 62236-3-1: 2018  | Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle  |   |
| EMC             | BS EN 50121-3-1: 2017 (EN 50121-3-1: 2017)                       | Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle  |   |
| EMC             | IEC 62236-3-2: 2018  | Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus   |   |
| EMC             | BS EN 50121-3-2: 2016 + A1: 2019 (EN 50121-3-2: 2016 + A1: 2019) | Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus   |   |
| EMC             | IEC 62236-4: 2018  | Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signaling and telecommunications apparatus   |   |
| EMC             | BS EN 50121-4: 2016 + A1: 2019 (EN 50121-4: 2016 + A1: 2019)     | Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signaling and telecommunications apparatus   |   |
| EMC             | IEC 62236-5: 2018  | Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and apparatus   |   |
| EMC             | BS EN 50121-5: 2017 + A1: 2019 (EN 50121-5: 2017 + A1: 2019)     | Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and apparatus   |   |
| EMF             | BS EN 50364: 2018 (EN 50364: 2018)                               | Product standard for human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications | Except SAR measurement<br>Frequency: f ≤ 40 GHz |
| EMF             | BS EN 50496: 2018 (EN 50496: 2018)                               | Determination of workers' exposure to electromagnetic fields and assessment of risk at a broadcast site  |   |

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| EMF             | BS EN 50500: 2008 + A1:2015<br>(EN 50500: 2008 + A1:2015) | Measurement procedures of magnetic field levels generated by electronic and electrical apparatus in the railway environment with respect to human exposure   |  |
| EMF             | BS EN 50663: 2017<br>(EN 50663: 2017)                     | Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)  |  |
| EMF             | IEC 62311: 2019   | Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)   | Except SAR measurement<br>Frequency: $f \leq 40$ GHz |
| EMF             | BS EN IEC 62311:2020<br>(EN IEC 62311: 2020)              | Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)   | Except SAR measurement<br>Frequency: $f \leq 40$ GHz |
| EMF             | IEC 62369-1: 2008   | Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz — Part 1: Fields produced by devices used for electronic article surveillance, radio frequency identification and similar systems | Except SAR measurement<br>Frequency: $f \leq 40$ GHz |
| EMF             | BS EN 62369-1: 2009<br>(EN 62369-1: 2009)                 | Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz — Part 1: Fields produced by devices used for electronic article surveillance, radio frequency identification and similar systems | Except SAR measurement<br>Frequency: $f \leq 40$ GHz |
| EMF             | IEC 62479: 2010   | Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)  | Frequency: $f \leq 40$ GHz                           |
| EMF             | BS EN 62479:2010<br>(EN 62479: 2010)                      | Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)  | Frequency: $f \leq 40$ GHz                           |
| EMF             | IEC 62493:2015  | Assessment of lighting equipment related to human exposure to electromagnetic field  |  |

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| EMF             | BS EN 62493:2015<br>(EN 62493:2015)      | Assessment of lighting equipment related to human exposure to electromagnetic field  |                        |
| Radio           | ETSI EN 300 086-1<br>V1.4.1 (2010-06)    | Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Part 1: Technical characteristics and methods of measurement  |                        |
| Radio           | ETSI EN 300 086-2<br>V1.3.1 (2010-06)    | Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive   |                        |
| Radio           | ETSI EN 300 086<br>V2.1.2 (2016-08)      | Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 300 113-1<br>V1.7.1<br>(2011-11) | Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector Part 1: Technical characteristics and methods of measurement                                 |                        |
| Radio           | ETSI EN 300 113-2<br>V1.5.1 (2011-11)    | Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive |                        |
| Radio           | ETSI EN 300 113<br>V2.2.1 (2016-12)      | Land Mobile Service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  |                        |

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| Radio           | ETSI EN 300 220-1 V3.1.1 (2017-02)      | Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1: Technical characteristics and methods of Measurement  |                        |
| Radio           | ETSI EN 300 220-2 V3.2.1 (2018-06)      | Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for non specific radio equipment   |                        |
| Radio           | ETSI EN 300 220-3-1 V2.1.1 (2016-12)    | Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 3-1: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Low duty cycle high reliability equipment, social alarms equipment operating on designated frequencies (869,200 MHz to 869,250 MHz)         |                        |
| Radio           | ETSI EN 300 220-3-2 V1.1.1 (2017-02)    | Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 3-2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Wireless alarms operating in designated LDC/HR frequency bands 868,60 MHz to 868,70 MHz, 869,25 MHz to 869,40 MHz, 869,65 MHz to 869,70 MHz |                        |
| Radio           | ETSI EN 300 220-4 V1.1.1 (2017-02)      | Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 4: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Metering devices operating in designated band 169,400 MHz to 169,475 MHz  |                        |
| Radio           | ETSI EN 300 296-1 V1.4.1 (2013-08)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Part 1: Technical characteristics and methods of measurement   |                        |

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|-----------------|---|--|------------------------|
| Radio           | ETSI EN 300 296-2 V1.4.1 (2013-08)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive   |                        |
| Radio           | ETSI EN 300 296 V2.1.1 (2016-03)        | Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 300 328 V2.2.2 (2019-07)        | Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU   |                        |
| Radio           | ETSI EN 300 330-1 V1.8.1 (2015-03)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 1: Technical characteristics and test methods  |                        |
| Radio           | ETSI EN 300 330-2 V1.6.1 (2015-03)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive |                        |
| Radio           | ETSI EN 300 330 V2.1.1 (2017-02)        | Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  |                        |

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| Radio           | ETSI EN 300 390-1 V1.2.1 (2000-09)      | Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna; Part 1: Technical characteristics and test conditions  |                        |
| Radio           | ETSI EN 300 390-2 V1.1.1 (2000-09)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive |                        |
| Radio           | ETSI EN 300 390 V2.1.1 (2016-03)        | Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU   |                        |
| Radio           | ETSI EN 300 422-1 V2.1.2 (2017-01)      | Wireless Microphones; Audio PMSE up to 3 GHz; Part 1: Class A Receivers; Audio PMSE up to 3 GHz; Part 1: Class A Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 300 422-2 V2.1.1 (2017-02)      | Wireless Microphones; Audio PMSE up to 3GHz; Part 2: Class B Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 300 422-3 V2.1.1 (2017-02)      | Wireless Microphones; Audio PMSE up to 3 GHz; Part 3: Class C Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU   |                        |
| Radio           | ETSI EN 300 422-4 V2.1.1 (2017-05)      | Wireless Microphones; Audio PMSE up to 3 GHz; Part 4: Assistive Listening Devices including personal sound amplifiers and inductive systems up to 3 GHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU                               |                        |
| Radio           | ETSI EN 300 440-1 V1.6.1 (2010-08)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods  |                        |

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| Radio           | ETSI EN 300 440-2 V1.4.1 (2010-08)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive                       |                        |
| Radio           | ETSI EN 300 440 V2.2.1 (2018-07)        | Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 301 166 V2.1.1 (2016-11)        | Land Mobile Service; Radio equipment for analogue and/or digital communication (speech and/or data) and operating on narrow band channels and having an antenna connector; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU |                        |
| Radio           | ETSI EN 301 178 V2.2.2 (2017-04)        | Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands (for non-GMDSS applications only); Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU                      |                        |
| Radio           | ETSI EN 301 357 V2.1.1 (2017-06)        | Cordless audio devices in the range 25 MHz to 2 000 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU   |                        |
| Radio           | ETSI EN 301 559 V2.1.1 (2016-10)        | Short Range Devices (SRD); Low Power Active Medical Implants (LP-AMI) and associated Peripherals (LP-AMI-P) operating in the frequency range 2 483,5 MHz to 2 500 MHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU     |                        |
| Radio           | ETSI EN 301 598 V2.1.1 (2018-01)        | White Space Devices (WSD); Wireless Access Systems operating in the 470 MHz to 790 MHz TV broadcast band; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  |                        |

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| Radio           | ETSI EN 302 195 V2.1.1 (2016-06)        | Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and accessories (ULP-AMI-P) operating in the frequency range 9 kHz to 315 kHz Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU                      |                        |
| Radio           | ETSI EN 302 536 V2.1.1 (2017-10)        | Short Range Devices (SRD); Radio equipment operating in the frequency range 315 kHz to 600 kHz for Ultra Low Power Animal Implantable Devices (ULP-AID) and associated peripherals; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU |                        |
| Radio           | ETSI EN 302 608 V2.1.1 (2017-10)        | Short Range Devices (SRD); Radio equipment for Eurobalise railway systems; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 302 609 V2.2.1 (2020-10)        | Short Range Devices (SRD); Radio equipment for Euroloop railway systems; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 303 203 V2.1.1 (2015-11)        | Short Range Devices (SRD); Medical Body Area Network Systems (MBANSs) operating in the 2 483,5 MHz to 2 500 MHz range; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 303 204 V2.1.2 (2016-09)        | Network Based Short Range Devices (SRD); Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU                           |                        |
| Radio           | ETSI EN 303 354 V1.1.1 (2017-03)        | Amplifiers and active antennas for TV broadcast reception in domestic premises; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU   |                        |
| Radio           | ETSI EN 303 405 V1.1.1 (2017-05)        | Land Mobile Service; Analogue and Digital PMR446 Equipment; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU   |                        |

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|-----------------|---|---|--|
| Radio           | ETSI EN 303 406 V1.1.1 (2017-02)        | Short Range Devices (SRD); Social Alarms Equipment operating in the frequency range 25 MHz to 1 000 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU   |  |
| Radio           | ETSI EN 303 417 V1.1.1 (2017-09)        | Wireless power transmission systems, using technologies other than radio frequency beam in the 19 - 21 kHz, 59 - 61 kHz, 79 - 90 kHz, 100 - 300 kHz, 6 765 - 6 795 kHz ranges; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU   |  |
| Radio           | ETSI EN 303 454 V1.1.1 (2018-01)        | Short Range Devices (SRD); Metal and object detection sensors in the frequency range 1 kHz to 148,5 kHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU   |  |
| EMC             | ETSI EN 301 489-1 V2.2.3 (2019-11)      | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for Electromagnetic Compatibility   | Excluding clause 9. (Transients and surges in the vehicular environment) |
| EMC             | ETSI EN 301 489-3 V2.1.2 (2021-03)      | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU  | Frequency: f ≤ 40 GHz  |
| EMC             | ETSI EN 301 489-5 V2.2.1 (2019-04)      | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA); Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU |  |

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| EMC             | ETSI EN 301 489-9 V2.1.1 (2017-03)      | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU                    |                        |
| EMC             | ETSI EN 301 489-17 V3.2.4 (2020-09)     | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU   |                        |
| EMC             | ETSI EN 301 489-27 V2.2.0 (2017-03)     | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 27: Specific conditions for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) operating in the 402 MHz to 405 MHz bands; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU  |                        |
| EMC             | ETSI EN 301 489-29 V2.2.1 (2019-04)     | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 29: Specific conditions for Medical Data Service Devices (MEDS) operating in the 401 MHz to 402 MHz and 405 MHz to 406 MHz bands; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU                                    |                        |
| EMC             | ETSI EN 301 489-31 V2.2.1 (2019-04)     | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 31: Specific conditions for equipment in the 9 kHz to 315 kHz band for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P); Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU |                        |

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| EMC             | ETSI EN 301 489-33<br>V2.2.1 (2019-04)  | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 33: Specific conditions for Ultra-Wideband (UWB) devices; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU   |                        |
| EMC             | ETSI EN 301 489-34<br>V2.1.1 (2017-04)  | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones; Harmonised Standard covering the essential requirements of article 6 of Directive 2014/30/EU   |                        |
| EMC             | ETSI EN 301 489-35<br>V2.2.0 (2017-03)  | Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 35: Specific requirements for Low Power Active Medical Implants (LP-AMI) operating in the 2 483,5 MHz to 2 500 MHz bands; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU |                        |
| Radio           | ETSI EN 301 893<br>V2.1.1 (2017-05)     | 5 GHz RLAN; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 302 018<br>V2.1.1 (2017-04)     | Transmitting equipment for the Frequency Modulated (FM) sound broadcasting service; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  |                        |
| Radio           | ETSI EN 302 065-1<br>V2.1.1 (2016-11)   | Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Requirements for Generic UWB applications   |                        |
| Radio           | ETSI EN 302 065-2<br>V2.1.1 (2016-11)   | Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 2: Requirements for UWB location tracking  |                        |

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|-----------------|---|---|------------------------|
| Radio           | ETSI EN 302 065-3 V2.1.1 (2016-11)      | Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 3: Requirements for UWB devices for ground based vehicular applications  |                        |
| Radio           | ETSI EN 302 065-4 V1.1.1 (2016-11)      | Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 4: Material Sensing devices using UWB technology below 10,6 GHz  |                        |
| Radio           | ETSI EN 302 065-5 V1.1.1 (2017-09)      | Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 5: Devices using UWB technology onboard aircraft   |                        |
| Radio           | ETSI EN 302 208-1 V2.1.1 (2015-02)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Part 1: Technical requirements and methods of measurement                                       |                        |
| Radio           | ETSI EN 302 208-2 V2.1.1 (2015-02)      | Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive |                        |
| Radio           | ETSI EN 302 208 V3.3.1 (2020-08)        | Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  |                        |

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|--------------------------|---|--|------------------------|
| Radio                    | ETSI EN 302 291-1 V1.1.1 (2005-07)        | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Close Range Inductive Data Communication equipment operating at 13,56 MHz; Part 1: Technical characteristics and test methods                                 |                        |
| Radio                    | ETSI EN 302 291-2 V1.1.1 (2005-07)        | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Close Range Inductive Data Communication equipment operating at 13,56 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive                     |                        |
| Radio                    | ETSI EN 302 502 V2.1.3 (2017-07)          | Wireless Access Systems (WAS); 5,8 GHz fixed broadband data transmitting systems; Harmonised Standard for access to radio spectrum   |                        |
| Radio                    | AS/NZS 4268: 2017                         | Radio equipment and systems – Short range devices – Limits and methods of measurement  |                        |
| <b>USB Requirements:</b> |   |  |                        |
| USB                      | IEC 62680-1-1: 2015                       | Universal serial bus interfaces for data and power – Part 1-1: Common components – USB Battery Charging Specification, Revision 1.2  |                        |
| USB                      | BS EN 62680-1-1:2015 (EN 62680-1-1: 2015) | Universal Serial Bus interfaces for data and power Part 1-1: Universal Serial Bus interfaces – Common components – USB Battery Charging Specification, Revision 1.2 (TA 14)  |                        |
| <b>FCC-Requirements:</b> |   |  |                        |
| Radio                    | ANSI C63.4-2014                           | American National Standard for Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz Stand alone or in combination with: Unintentional Radiators (FCC Part 15, Subpart B) |                        |

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|-----------------|--|---|------------------------|
| Radio           | ANSI C63.10-2020   | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices<br><br>Stand alone or in combination with: Intentional Radiators (FCC Part 15 Subpart C)<br><br>U-NII without DFS Intentional Radiators (FCC Part 15, Subpart E) Unlicensed National Information Infrastructure Devices (U-NII without DFS)<br>•KDB 789033<br><br>U-NII with DFS Intentional Radiators (FCC Part 15 Subpart E) Unlicensed National Information Infrastructure UNII) Devices with Dynamic Frequency Selection (DFS)<br>•KDB 905462<br>UWB Intentional Radiators (FCC Part 15, Subpart F)<br>Ultra-wideband Operation<br>White Space Device Intentional Radiators (FCC Part 15, Subpart H) White Space Devices | Frequency: f ≤ 40 GHz  |
| Radio           | FCC MP-5:1986-02   | FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment<br>Stand alone or in combination with: Industrial, Scientific, and Medical Equipment (FCC Part 18)<br>• Consumer ISM equipment  |                        |
| Radio           | RSS-Gen Issue 5, April 2018 + <b>Amendment 1 (March 2019) + Amendment 2 (February 2021) **</b> | General Requirements for Compliance of Radio Apparatus  | Frequency: f ≤ 40 GHz  |
| Radio           | RSS-210 Issue 10, August 2019 + <b>Amendment (April 2020) **</b>                               | Licence-Exempt Radio Apparatus: Category I Equipment  | Frequency: f ≤ 40 GHz  |
| Radio           | RSS-220 Issue 1, March 2009 Amendment 1 July 2018  | Devices Using Ultra-Wideband (UWB) Technology   | Frequency: f ≤ 40 GHz  |
| Radio           | RSS-222 Issue 2, January 2020  | White Space Devices (WSDs)  |                        |

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| Radio                     | RSS-247 Issue 2, February 2017          | Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices   |                        |
| Radio                     | RSS-310 Issue 5, January 2020           | Licence-Exempt Radio Apparatus: Category II Equipment  |                        |
| EMC                       | ICES-001 Issue 5, July 2020             | Industrial, Scientific and Medical (ISM) Radio Frequency Generators  |                        |
| EMC                       | ICES-003 Issue 7, October 2020          | Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement   |                        |
| EMC                       | ICES-005 Issue 5, December 2018         | Lighting Equipment   |                        |
| <b>HKCA-Requirements:</b> |   |  |                        |
| Radio                     | HKCA 1001 Issue 5 October 2010          | Performance Specification for Single-Sideband Radiotelephone Transmitting and Receiving Equipment Operating in the Frequency Band 1.605 MHz to 27.5 MHz for Voluntary Fitting in Small Craft |                        |
| Radio                     | HKCA 1002 Issue 6 January 2008          | Performance Specification for Angle- modulated Radio Transmitters and Receivers for use as Base, Repeater, Mobile and Portable Equipment in the Land Mobile Radio Service                    |                        |
| Radio                     | HKCA 1003 Issue 4 February 2003         | Performance Specification for Private Fixed Link Equipment with a Capacity of 12 or 24 FDM-FM Channels in the Frequency Band 1429 - 1530 MHz   |                        |
| Radio                     | HKCA 1004 Issue 4 February 2003         | Performance Specification for VHF Transmitters and Receivers for Use in the Public Paging Service  |                        |
| Radio                     | HKCA 1005 Issue 5 October 2008          | Performance Specification for Angle Modulated VHF Maritime Band Radio Equipment for Voluntary Fitting in Small Craft   |                        |
| Radio                     | HKCA 1006 Issue 3 February 2003         | Performance Specification for Cordless Telephone Operating in the 1.7 MHz and 47 MHz Bands   |                        |
| EMC                       | HKCA 1007 Issue 5 March 2012            | Performance Specification for the Limits and Methods of Measurement of Electromagnetic Disturbance Characteristics of Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment     |                        |

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| Radio           | HKCA 1008 Issue 4 November 2013         | Performance Specification for Low Power Radio Microphones, Including Associated Receiving Equipment   |                        |
| Radio           | HKCA 1010 Issue 1 June 2003             | Performance Specification for Angle Modulated Radio Transmitters and Receivers for use as Base, Mobile and Portable Equipment in the Land Mobile Radio Service and intended primarily for data applications                                   |                        |
| Radio           | HKCA 1015 Issue 4 February 2003         | Performance Specification for Cordless Telephone Operating in the 864.1 - 868.1 MHz Band  |                        |
| Radio           | HKCA 1016 Issue 4 January 2007          | Performance Specification for Angle Modulated Radio Equipment for Use at Repeater, Base and Mobile Stations in 800 MHz Trunked Radio  |                        |
| Radio           | HKCA 1019 Issue 3 November 2011         | Performance Specification for TV Antenna Amplifiers   |                        |
| Radio           | HKCA 1020 Issue 7 November 2011         | Performance Specification of the Base Station System (BSS) and Repeater Equipment for use in the Public Mobile Communications Service employing Global System for Mobile communications (GSM) or in the Personal Communications Service (PCS) | Repeater Only          |
| Radio           | HKCA 1022 Issue 3 February 2003         | Performance Specification for Citizen Band (CB) Radio Transceivers for Use On-Board Fishing Vessels   |                        |
| Radio           | HKCA 1026 Issue 3 May 2010              | Performance Specification for Cordless Telephone Operating in the 46 MHz and 49 MHz Bands   |                        |
| Radio           | HKCA 1035 Issue 7 May 2016              | Performance specification for Radio Equipment Exempted from Licensing   | Except 76-77 GHz       |
| Radio           | HKCA 1039 Issue 6 June 2015             | Performance Specification for Radiocommunications Apparatus Operating in the 2.4 GHz or 5 GHz Band and Employing Frequency Hopping or Digital Modulation  |                        |
| Radio           | HKCA 1041 Issue 1 February 2003         | Performance Specification for Radiocommunications Apparatus Operating in the 27 MHz Band for Private Use  |                        |
| Radio           | HKCA 1044 Issue 1 February 2003         | Performance Specification for Short-range Portable Radio operating in the 409 MHz Band  |                        |
| Radio           | HKCA 1045 Issue 1 February 2003         | Performance Specification for Cordless Telephone Operating in the 254 MHz and 380 MHz Bands   |                        |

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| Radio                              | HKCA 1050 Issue 1 January 2006          | Performance Specification for 26.96 - 27.41 MHz Citizens Band (CB) Radio Transceivers   |                        |
| Radio                              | HKCA 1061 Issue 1 May 2011              | Performance Specification for Short Range Devices Operating in the 433 MHz Band   |                        |
| Radio                              | HKCA 1078 Issue 1 Dec 2017              | Performance Specification for Radio Equipment Operating in the 920 – 925 MHz band for the provision of public telecommunications services   |                        |
| Radio                              | HKCA 1080 Issue 1 Aug 2018              | Performance Specification for Short Range Devices Operating in the 4.2 – 4.8 GHz and/or 6 – 8.5 GHz bands employing ultra-wideband technology   |                        |
| Wireline                           | HKCA 2011 Issue 6 May 2010              | Network Connection Specification for Connection of Customer Premises Equipment (CPE) to Direct Exchange Lines (DEL) of the Public Switched Telephone Network (PSTN) in Hong Kong (with Annex 1 Technical Guide for Conducting Evaluation Test against HKCA2011) |                        |
| <b>ESD Association Requirement</b> |   |   |                        |
| EMC                                | ANSI/ESD STM4.1-2017                    | ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items – Worksurfaces – Resistance Measurements   |                        |
| EMC                                | ANSI/ESD S1.1-2013                      | ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items – Wrist Straps   |                        |
| EMC                                | ANSI/ESD S6.1-2014                      | ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items – Grounding  |                        |
| EMC                                | ANSI/ESD STM9.1-2014                    | ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items – Footwear – Resistive Characterization  |                        |
| EMC                                | ANSI/ESD STM7.1-2013                    | ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Floor Materials - Resistive Characterization of Materials  |                        |
| EMC                                | ANSI/ESD STM12.1-2013                   | ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Seating - Resistance Measurement   |                        |
| EMC                                | ANSI/ESD S13.1-2015                     | Provides electrical soldering/desoldering hand tool test methods for measuring current leakage, tip to ground reference point resistance, and tip voltage   |                        |

**\*\* Edition updates under DAkKS flexible accreditation**

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**Scope of DAkKS Flexible Accreditation**

| Technical field | Standard /<br>in house procedure /<br>Version | Title of standard or in house procedure<br>(deviations / modifications of standard)  | Test area /<br>reductions |
|-----------------|---|--|---------------------------|
| EMC             | ANSI/ESD STM2.1-2018                          | ESD Association Standard Test Method for the<br>Protection of Electrostatic Discharge Susceptible<br>Items – Garments – Resistive Characterization |                           |

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