

Annex I
TO PHASE I
PROCEDURES

NIST version – July 8, 2024
(replaces NIST version - February 5, 2024)

LIST OF TECHNICAL REGULATIONS
FOR THE REPUBLIC OF KOREA

The updates shown in red are from RRA version - May 1, 2024

The technical regulations¹ for which Ministry of Science and ICT (MSIT), Republic of Korea shall accept test reports from recognized Conformity Assessment Bodies designated by other Parties are:

1) Law²

- a. Radio Waves Act (Act No. 18957, June 10, 2022)
- b. Enforcement Decree of the Radio Waves Act (Presidential Decree No. 33225, January 10, 2023)

2) Administrative Provisions²

- a. Notice on Conformity Assessment of Broadcasting and Communications Equipment (RRA Public Notification 2023-24, December 29, 2023)
- b. Notice on Designation and Management of Testing Laboratories for Broadcasting and Communications Equipment (RRA Public Notification 2024-7, April 5, 2024)

3) Technical Requirements for Telecommunications Terminal Equipment (TTE)

- a. Technical Requirements for the IPTV Equipment for Broadcasting Service (RRA Public Notification 2022-19, Oct 17, 2022)
- b. Technical Requirements for CATV Equipment (MSIT Public Notification 2022-63, Nov 9, 2022)
- c. Technical Requirements for Telecommunications Terminal Equipment (RRA Public Notification 2022-16, Sept 5, 2022)
- d. Conformity Assessment Procedure for Telecommunications Terminal Equipment: Applicable KS Standards (Table 1)

¹ Technical regulations are in Korean only.

² These two administrative provisions are not included in designations to Korea.

Table 1. Applicable KS Standards

| Standard listed on the Scope of Accreditation | Standard Name |
|---|--|
| KS X 3074 | Conformity Assessment Test Methods for Common Requirements of Broadcasting and Telecommunication Terminal Equipment |
| KS X 3075 | Conformity Assessment Test Methods for Terminal Equipment Connected to Telephone Facilities |
| KS X 3077 | Conformity Assessment Test Methods for Data Communication Terminal Equipment Connected to Hybrid Fiber Coaxial (HFC) Facilities |
| KS X 3076 | Conformity Assessment Test Methods for Terminal Equipment Connected to Digital Subscriber Line |
| KS X 3078 | Conformity Assessment Test Methods for Terminal Equipment Connected to Digital Broadcasting and Telecommunication and Integrated Services Digital Network Facilities |
| KS X 3184 | Conformity Assessment Test Methods for IPTV Set-top Equipment |
| KS X 3041 | Conformity Assessment Test Methods for Terminal Equipment Connected to Optical Network |
| KS X 3164 | Conformity Assessment Test Methods for Main Transmission Equipment of Cable Television Broadcasting Station |
| KS X 3165 | Conformity Assessment Test Methods for Integrated Reception System-CATV Customer Premises Transmission Line Facilities |
| KS X 3166 | Conformity Assessment Test Methods for Integrated Reception System-Integrated Reception Antenna Facilities |
| KS X 3163 | Conformity Assessment Test Methods for Cable Television Terminal Equipment |
| KS X 3247 | Conformity Assessment Test Methods for Terminal Equipment Connected to Giga-class Digital Subscriber Line |

- e. Technical Requirements for Grounding Equipment, Customer Premise Telecom Equipment, Line Equipment and Common Ducts, etc. (RRA Public Notification 2022-23, Dec 12, 2022)
- f. Technical Requirements for Broadcasting Shared Receive Equipment of Standards for Installing (MSIT Public Notification 2018-1, Jan 19, 2018)

4) Technical Requirements for Radio Equipment (RADIO)

- a. Regulations on Radio Equipment (Ordinance of MSIT No. 86, Jan 4, 2022)
- b. Unlicensed Radio Equipment Established Without Notice (MSIT Public Notification 2023-18, Jun 20, 2023)
- c. Technical Requirements for Radio Equipment for Maritime Services (RRA Public Notification 2021, Nov 17, 2021)
- d. Technical Requirements for Radio Equipment for Aeronautical Services (RRA Public Notification 2023-8, April 19, 2023)
- e. **Technical Requirements for Radio Equipment for Telecommunication Services (RRA Public Notification 2023-22, Dec 8, 2023)**
- f. Technical Requirements of the Other Service Radio Equipment for Simple Radio Station, Space Station, and Earth Station (RRA Public Notification 2023-5, April 3, 2023)
- g. Technical Requirements of Radio Wave Application (RRA Public Notification 2022-28, Dec 30, 2022)
- h. Conformity Assessment Procedure of Radio Equipment:

Applicable KS Standards (Table 2)

| Table 2. Applicable KS Standards | |
|---|---|
| Standard listed on the Scope of Accreditation | Standard Name |
| KS X 3123 | Conformity Assessment Test Methods for Radio Equipment Link on the last page of Annex I. |

- i. Test Methods for Technical Requirements of LTE Mobile Radio Equipment:

Applicable KS Standards (Table 3)

| Table 3. Applicable KS Standards | |
|---|---|
| Standard listed on the Scope of Accreditation | Standard Name |
| KS X 3142 | Test Methods for Characteristic of LTE Mobile Radio Equipment |

j. Test Methods for Technical Requirements of 5G Mobile Radio Equipment:

Applicable KS Standards (Table 4)

| Table 4. Applicable KS Standards | |
|---|--|
| Standard listed on the Scope of Accreditation | Standard Name |
| KS X 3270 | Conduction test methods for 5G NR (New Radio) equipment Link on the last page of Annex I. |
| KS X 3271 | Radiation test methods for 5G NR (New Radio) equipment Link on the last page of Annex I. |

5) Technical Requirements for SAR³

- a. Technical Requirements for Measurement and Test Procedure of Specific Absorption Rate⁴ (RRA Public Notification 2018-18, Dec 7, 2018)
- b. Equipment to be Subject of Test Procedure for Electromagnetic Field Strength and Specific Absorption Rate (RRA Public Notification 2023-12, Jun 30, 2023)
- c. Technical Requirements for the Human Protection against Electromagnetic Waves (MSIT Public Notification 2019-4, Jan 16, 2019)

6) Technical Requirements for EMF⁵

- a. Technical Requirements for Measurement of Electromagnetic Field Strength (RRA Public Notification 2023-11, Jun 30, 2023)

7) Technical Requirements for EMC⁶

- a. Technical Requirements for Electromagnetic Compatibility (RRA Public Notification 2023-13, Jun 30, 2023).⁷
- b. Test Methods for Electromagnetic Compatibility (RRA Announcement 2023-68, August 17, 2023)⁸
- c. **Notice on Designation and Management of Testing Laboratories for Broadcasting and Communications Equipment (RRA Public Notification 2023-15, Aug 16, 2023).⁹**
 - EMC standards referenced in [Attachment 1] Matters on Test Items by Test Field (related to Article 3)

³ When applying for SAR, the RRA notifications 5) a, 5) b, and 5) c are all required and must be included in the designation. Note that the notifications 5) b and 5) c are applied in common to EMF.

⁴ The purpose of 5) a is mainly to identify the two applicable SAR test methods: KS C 3370-1 and KS C 3370-2. Designations will not include these two embedded KS standards. The test reports should only reference 5) a. (If embedded test methods are cited in accredited test reports, they must also be listed on the ISO/IEC 17025 Scope of Accreditation.)

⁵ When applying for EMF, the notifications 6) a, 5) b, and 5) c are all required and must be included in the designation.

⁶ RRA Public Notifications and Announcements 7) a, 7) b, and 7) c are not included in designations.

⁷ Effective January 1, 2023, for some small volume products of less than 1.2 m x 1.5 m, RRA is accepting radiated emissions testing below 1 GHz at 3 m (instead of only at 10 m). Effective June 22, 2023, CABs with 3 m measurement capability only can now obtain RRA recognition. The applicable technical standards listed on the Scope of Accreditation must include “(3 m only)”. Example: KS C 9832 (3 m only). **Standards for which the 3 m only designation is available are marked by ** on the next page (Attachment 1).**

⁸ 7) b Test Methods for Electromagnetic Compatibility references EMC standards. Equipment/devices must be tested to these EMC standards.

⁹ Only the EMC standards listed in Notice on Designation and Management of Testing Laboratories for `Broadcasting and Communications Equipment (RRA Public Notification) [Attachment 1] can be designated.

[Attachment 1]

| No. | Before EMC KN Standard Change | KN Standard ⇒ National Standard | After EMC KN Standard Change |
|-----|---|------------------------------------|---|
| | 2021. 5. 8. (Allowed until May 8, 2021) | | 2021. 5. 9. (Applied from May 9, 2021) |
| 1 | KN 11 | ⇒ | KS C 9811:2019 ** |
| 2 | KN 14-1 | ⇒ | KS C 9814-1:2022 ** |
| 3 | KN 15 | ⇒ | KS C 9815:2023 ** |
| 4 | KN 41 | ⇒ | KS C 9990:2017 ** |
| 5 | KN 50 | ⇒ (Maintain KN) | KN 50 ** |
| 6 | KN 60 | ⇒ | KS X 3141:2015 |
| 7 | KN 62040-2 | ⇒ | KS C 9040-2:2017 |
| 8 | KN 60947 | ⇒ | KS C IEC 60947-1:2017 KS C IEC 60947-2:2022 KS C IEC 60947-4-1:2022 |
| 9 | KN 61000-6-3 | ⇒ | KS C 9610-6-3:2023 ** |
| 10 | KN 61000-6-4 | ⇒ | KS C 9610-6-4:2022 ** |
| 11 | KN 14-2 | ⇒ | KS C 9814-2:2022 |
| 12 | KN 51 | ⇒ (Maintain KN) | KN 51 |
| 13 | KN 60601-1-2 | ⇒ | KS C IEC 60601-1-2:2012 |
| 14 | KN 61547 | ⇒ | KS C 9547:2020 |
| 15 | KN 60974-10 | ⇒ | KS C 9974-10:2023 |
| 16 | KN 61000-6-1 | ⇒ | KS C 9610-6-1:2019 |
| 17 | KN 61000-6-2 | ⇒ | KS C 9610-6-2:2019 |
| 18 | KN 301 489-1 | ⇒ | KS X 3124:2020 ** |
| 19 | KN 301 489-2 | ⇒ | KS X 3137:2014 ** |
| 20 | KN 301 489-3 | ⇒ | KS X 3125:2020 ** |
| 21 | KN 301 489-5 | ⇒ | KS X 3127:2014 ** |
| 22 | KN 301 489-6 | ⇒ | KS X 3128:2014 ** |
| 23 | KN 301 489-9 | ⇒ | KS X 3130:2014 ** |
| 24 | KN 301 489-13 | ⇒ | KS X 3131:2014 ** |
| 25 | KN 301 489-15 | ⇒ | KS X 3136:2014 ** |
| 26 | KN 301 489-17 | ⇒ | KS X 3126:2020 ** |
| 27 | KN 301 489-18 | ⇒ | KS X 3132:2014 ** |
| 28 | KN 301 489-20 | ⇒ | KS X 3139:2014 ** |
| 29 | KN 301 489-27 | ⇒ | KS X 3134:2014 ** |
| 30 | KN 301 489-32 | ⇒ | KS X 3138:2015 ** |
| 31 | KN 60945 | ⇒ | KS X 3140:2014 ** |
| 32 | KN 17 | ⇒ | KS X 3143:2020 ** |
| 33 | KN 32 | ⇒ | KS C 9832:2023 ** |
| 34 | KN 35 | ⇒ | KS C 9835:2019 |
| 35 | KN 61800-3 | ⇒ | KS C 9800-3:2017 |
| 36 | KN 12015 | ⇒ | KS B 6955:2019 |
| 37 | KN 12016 | ⇒ | KS B 6945:2019 |
| 38 | KN 101 | ⇒ | KS C 9992:2019 |
| 39 | KN 15194 | ⇒ | KS C 9994:2021 ** |
| 40 | KN 301 489-50 | ⇒ | KS X 3135:2020 ** |
| 41 | KN 301 489-52 | ⇒ | KS X 3129:2020 ** |
| 42 | KN 62920 | ⇒ (Maintain KN) | KN 62920 |
| 43 | KN 301 489-51 | ⇒ | KS C 9995:2021 |

** Standards for which 3m only designation is available. Please refer to footnote 7 for further information.

Notes:

- 1) In case of the conflict of interpretation between the Korean and English versions, the Korean version always prevails.
- 2) Before testing, please check for the most current version of each technical regulation using the links below. The most current version must be used as soon as it is published by RRA and/or MSIT, unless a later transition/enforcement date is specified. Please do not wait for publication of this Annex I to check the versions of the technical regulations, as this is only updated periodically.
- 3) Websites

Regulations on Radio Equipment (Ordinance of MSIT)

<https://www.law.go.kr/LSW/lInfoP.do?nwJoYnInfo=Y&ancNo=&a=&efYd=20201224&lsiSeq=224773&ancYd=#0000>

Notifications (RRA and MSIT) for Section 7

7) b. Test Methods for Electromagnetic Compatibility (RRA Announcement)

<https://www.law.go.kr/LSW/admRulLsInfoP.do?chrClsCd=&admRulSeq=2100000211664>

7) c. Notice on Designation and Management of Testing Laboratories for Broadcasting and Communications Equipment (RRA Public Notification)

https://www.law.go.kr/LSW/admRulLsInfoP.do?admRulSeq=2100000211415&vSct=*

KS C, KS B Standards

- Test method content confirmation site: <https://www.e-ks.kr/KSCI/portalindex.do>

- Purchase and download site: www.kssn.net

KS X Standards - <https://www.rra.go.kr/ko/reference/kcsList.do>

KN Standards - https://www.rra.go.kr/ko/reference/lawList.do?lw_type=6

List of Technical Regulations for the Republic of Korea - <https://www.rra.go.kr/en/cas/mra.do>

KS X 3123, KS X 3270, KS X 3271:

RRA homepage notice, No. 556. 557 - <https://www.rra.go.kr/ko/notice/noticeList.do>