

**Short Range and Ultra Wideband Devices and Systems Radio Interface Specifications**

**Contact Information**

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**List of Short Range and Ultra Wideband Devices and Systems Radio Interface Specifications**

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| **TAD ref. number** | **Service** | **Application** | **Frequency Band** | **Comment** |
| [TAD03-01-01](#_TAD03-01-01) | Mobile | Non-Specific Short Range Devices | 138.2-138.45 MHz |  |
| [TAD03-01-02](#_TAD03-01-02_1) | Mobile | Non-Specific Short Range Devices | 24.00-24.25 GHz |  |
| [TAD03-02-01](#_TAD03-02-01) | Mobile | Wideband Data Transmission Systems | 5150-5350 MHz |  |
| [TAD03-02-0](#_TAD03-02-02)2 | Mobile | Wideband Data Transmission Systems | 57-66 GHz |  |
| [TAD03-05-0](#_TAD03-04-02_1)1 | Mobile | Railway Applications | 27090-27100 kHz |  |
| [TAD03-06-01](#_TAD03-06-01_1) | Mobile | Radiodetermination Applications | 9200-9500 MHz |  |
| [TAD03-06-02](#_TAD03-06-02_1) | Mobile | Radiodetermination Applications | 9500-9975 MHz |  |
| [TAD03-06-03](#_TAD03-06-03_1) | Mobile | Radiodetermination Applications | 13.4-14.0 GHz |  |
| [TAD03-06-04](#_TAD03-06-04_1) | Mobile | Radiodetermination Applications | 6-8.5 GHz |  |
| [TAD03-06-05](#_TAD03-06-05_1) | Mobile | Radiodetermination Applications | 24.05-26.5 GHz |  |
| [TAD03-07-01](#_TAD03-07-01_1) | Mobile | Model Control Devices | 34.995-35.225 MHz |  |
| [TAD03-08-01](#_TAD03-08-01) | Mobile | Radio Microphone Applications | 29.7-47.0 MHz |  |
| [TAD03-08-02](#_TAD03-08-02) | Mobile | Radio Microphone Applications | 164.4-174 MHz |  |
| [TAD03-08-03](#_TAD03-08-03) | Mobile | Radio Microphone Applications | 174-216 MHz |  |
| [TAD03-08-04](#_TAD03-08-04) | Mobile | Radio Microphone Applications | 470-694 MHz |  |
| [TAD03-08-05](#_TAD03-08-05) | Mobile | Radio Microphone Applications | 1785-1795 MHz |  |
| [TAD03-08-06](#_TAD03-08-06) | Mobile | Radio Microphone Applications | 1795-1800 MHz |  |
| [TAD03-08-07](#_TAD03-08-07) | Mobile | Radio Microphone Applications | 1800-1804.8 MHz |  |
| [TAD03-09-01](#_TAD03-09-01) | Mobile | Ultra Wideband Devices | 9 KHz- 3000 GHz | Ultra wideband devices for aircrafts. |
| [TAD03-09-02](#_TAD03-09-02) | Mobile | Ultra Wideband Devices | 9 KHz- 3000 GHz | Ultra wideband devices for floor and wall examinations. |
| [TAD03-09-03](#_TAD03-09-03) | Mobile | Ultra Wideband Devices | 9 KHz- 3000 GHz | Location tracking systems type 1 (LT1) |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Non-Specific Short Range Devices** | **TAD03-01-01** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Non-Specific Short Range Devices |  |
| **3** | **Frequency band** | 138.2-138.45 MHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 10 mW e.i.r.p.. |  |
| **8** | **Channel access and occupation rules**  | Duty cycle ≤ 1%Duty cycle, LBT or equivalent spectrum access mechanism features should not be user adjustable and should be technically guaranteed.Duty cycle limit applies for LBT devices or devices that use equivalent spectrum access techniques that do not use AFA.If LBT or equivalent spectrum access techniques are not used for devices with AFA, the duty cycle limit is applied to the total transmission time. | LBT: Listen Before TalkAFA: Adaptive Frequency Agility |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 220 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Non-Specific Short Range Devices** | **TAD03-01-02** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Non-Specific Short Range Devices |  |
| **3** | **Frequency band** | 24.00-24.25 GHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 100 mW e.i.r.p.. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 220 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Wideband Data Transmission Systems** | **TAD03-02-01** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Wideband Data Transmission Systems | Only allowed indoors and in similar closed areas that will provide the necessary signal attenuation to facilitate sharing with other services. |
| **3** | **Frequency band** | 5150-5350 MHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 200 mW mean e.i.r.p. Maximum 10 mW/1 MHz mean e.i.r.p. density  | TPC should be used. For devices without TPC capability, the specified power levels should be used by 3 dB reduction.TPC: Transmit Power Control |
| **8** | **Channel access and occupation rules**  | DFS, defined in the ITU-R M.1652 Recommendation, should be applied to ensure that the entire spectrum is used at an equal intensity level. It should use interference mitigation techniques that will guarantee compatibility with radar systems and give the protection level defined in the EN 301 893 standard. | DFS: Dynamic Frequency Selection |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 301 893 / ECC/DEC/(04)08 / EN 301 489-1, EN 301 489-17 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Wideband Data Transmission Systems** | **TAD03-02-02** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Wideband Data Transmission Systems | Fixed outdoor installations are not allowed. |
| **3** | **Frequency band** | 57-66 GHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 40 dBm mean e.i.r.p. Maximum 13 dBm/MHz mean e.i.r.p. density  |  |
| **8** | **Channel access and occupation rules**  | Adequate spectrum sharing mechanism (e.g. LBT and DAA) shall be implemented. | LBT: Listen Before TalkDAA: Detect And Avoid |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 302 567 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Railway Applications** | **TAD03-05-01** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Railway Applications | This set of usage conditions is for tele-powering and downlink signal (from train to ground) for Balise/Eurobalise. It can also be used for Loop / Euroloop activation. |
| **3** | **Frequency band** | 27090-27100 kHz | Center frequency shall be 27095 kHz |
| **4** | **Channelling** | Maximum 10 MHz |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | 42 dΒμΑ/m at 10 metres |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 302 608 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radiodetermination Applications** | **TAD03-06-01** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radiodetermination Applications |  |
| **3** | **Frequency band** | 9200-9500 MHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | 25 mW e.i.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 440 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radiodetermination Applications** | **TAD03-06-02** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radiodetermination Applications |  |
| **3** | **Frequency band** | 9500-9975 MHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | 25 mW e.i.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 440 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radiodetermination Applications** | **TAD03-06-03** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radiodetermination Applications |  |
| **3** | **Frequency band** | 13.4-14.0 GHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | 25 mW e.i.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 440 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radiodetermination Applications** | **TAD03-06-04** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radiodetermination Applications | For Level Probing Radar |
| **3** | **Frequency band** | 6-8.5 GHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | 7 dBm/50 MHz peak e.i.r.p.-33 dBm/MHz mean e.i.r.p. |  |
| **8** | **Channel access and occupation rules**  | At a minimum APC, spectrum access, interference mitigation and antenna requirements will apply as defined in EN 302 729 standard at a minimum.Installations within a radius of 4 km from 38°59'45"N, 36°17'58"E coordinates (radio astronomy station) are subject to permission. The antenna height of the stations within 4-40 km radius from the specified coordinate cannot exceed 15 m. | APC: Adaptive Power Control |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 302 729 / ERC REC 70-03 / ECC/DEC/(11)02 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radiodetermination Applications** | **TAD03-06-05** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radiodetermination Applications | For Level Probing Radar |
| **3** | **Frequency band** | 24.05-26.5 GHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | 26 dBm/50 MHz peak e.i.r.p.-14 dBm/MHz mean e.i.r.p. |  |
| **8** | **Channel access and occupation rules**  | At a minimum APC, spectrum access, interference mitigation and antenna requirements will apply as defined in EN 302 729 standard at a minimum. | APC: Adaptive Power Control |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 302 729 / ERC REC 70-03 / ECC/DEC/(11)02 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Model Control Devices** | **TAD03-07-01** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Model Control Devices | Only for flying model vehicles. |
| **3** | **Frequency band** | 34.995-35.225 MHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  | 10 kHz |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 100 mW e.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 220 / ERC/DEC/(01)11 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radio Microphone Applications** | **TAD03-08-01** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radio Microphone Applications | For radio microphones. |
| **3** | **Frequency band** | 29.7-47.0 MHz | Excluding 30.01-37.5 MHz and 44-48 MHz bands. |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  | Maximum 50 kHz |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 10 mW e.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 422 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radio Microphone Applications** | **TAD03-08-02** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radio Microphone Applications | For assistive listening devices. |
| **3** | **Frequency band** | 164.4-174 MHz | Shall be used on a tuning range basis. |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  | Maximum 50 kHz |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 10 mW e.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 422 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radio Microphone Applications** | **TAD03-08-03** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radio Microphone Applications | For radio microphones. |
| **3** | **Frequency band** | 174-216 MHz | Shall be used on a tuning range basis. |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 50 mW e.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 422 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radio Microphone Applications** | **TAD03-08-04** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radio Microphone Applications | For radio microphones. |
| **3** | **Frequency band** | 470-694 MHz | Shall be used on a tuning range basis. |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 50 mW e.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 422 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radio Microphone Applications** | **TAD03-08-05** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radio Microphone Applications | For radio microphones. |
| **3** | **Frequency band** | 1785-1795 MHz | Shall be used on a tuning range basis. |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 20 mW e.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 422 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radio Microphone Applications** | **TAD03-08-06** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radio Microphone Applications | For radio microphones. |
| **3** | **Frequency band** | 1795-1800 MHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 20 mW e.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 301 357 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Radio Microphone Applications** | **TAD03-08-07** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Radio Microphone Applications | For radio microphones. |
| **3** | **Frequency band** | 1800-1804.8 MHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Maximum 20 mW e.r.p. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 300 422 / ERC REC 70-03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Ultra Wideband Devices** | **TAD03-09-01** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Ultra Wideband Devices | It will be used for inflight communication in aircraft. |
| **3** | **Frequency band** | 9 KHz- 3000 GHz | 6-8.5 GHz band is used |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Power limits specified in the Technical Criteria for Radio Devices and Systems that are Exempt from Frequency Allocation are applied. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | ECC/DEC/(12)03 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Ultra Wideband Devices** | **TAD03-09-02** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Ultra Wideband Devices | It is used in floor and wall examinations. |
| **3** | **Frequency band** | 9 KHz- 3000 GHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Power limits specified in the Technical Criteria for Radio Devices and Systems that are Exempt from Frequency Allocation are applied. |  |
| **8** | **Channel access and occupation rules**  | The devices will operate if they are in contact with or near the ground or wall and their emissions will be directed into the ground or wall.Devices will have the ability to disable themselves if they are interrupted during their normal use.Devices will be disabled within 10 s after the key is released for manually managed, 10 s after the switch is turned off or released for remote or computer controlled ones, and within 60 s for those mounted on the vehicle. |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 302 066 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |

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| **Republic of Turkey****Information and Communications Technologies Authority** | **Radio Interface Specification** | **Ultra Wideband Devices** | **TAD03-09-03** |  |

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|  | **Nr**  | **Parameter** | **Description** | **Comments**  |
| **Normative Part**  | **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | Ultra Wideband Devices | For location tracking type 1 (LT1) systems. |
| **3** | **Frequency band** | 9 KHz- 3000 GHz |  |
| **4** | **Channelling** |  |  |
| **5** | **Modulation / Occupied bandwidth**  |  |  |
| **6** | **Direction / Separation**  |  |  |
| **7** | **Transmit power / Power density**  | Power limits specified in the Technical Criteria for Radio Devices and Systems that are Exempt from Frequency Allocation are applied. |  |
| **8** | **Channel access and occupation rules**  |  |  |
| **9** | **Authorisation regime**  | Exempt from frequency assignmentAuthorisation required without prejudice to the Article 8/2 of Electronic Communication Law Numbered 5809 | Exempt from frequency assignment within the scope of the By-law on Radio Devices and Systems Exempt from Frequency Assignment |
| **10** | **Additional essential requirements**  |  |  |
| **11** | **Frequency planning assumptions** |  |  |
| **Informative Part** | **12** | **Planned changes**  |  |  |
| **13** | **Reference**  | EN 302 065-2 / EN 301 489-1, EN 301 489-3 / Technical Criteria for Radio Devices and Systems Exempt from Frequency Assignment |  |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  |  |  |