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| **Radiocommunication Assembly (RA-15) Geneva, 26-30 October 2015** |  |
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| Radiocommunication Study Group 1 | |
| Spectrum management | |
| LIST OF RECOMMENDATIONS | |
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ITU-R SM-series of Recommendations

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| --- | --- | --- | --- | --- |
| **NOC** =  Maintained | **MOD** =  Revised | **SUP** =  Deleted | **ADD** =  New text | **UNA** =  Undergoing approval |

| Rec. ITU-R | Recommendation title | Action  by RA-15 | Comments |
| --- | --- | --- | --- |
| **SM.326-7** | Determination and measurement of the power of amplitude-modulated radio transmitters | NOC |  |
| **SM.328-11** | Spectra and bandwidth of emissions | NOC |  |
| **SM.329-12** | Unwanted emissions in the spurious domain | NOC |  |
| **SM.331-4** | Noise and sensitivity of receivers | NOC |  |
| **SM.332-4** | Selectivity of receivers | NOC |  |
| **SM.337-6** | Frequency and distance separations | NOC |  |
| **SM.377-4** | Accuracy of frequency measurements at stations for international monitoring | NOC |  |
| **SM.378-7** | Field-strength measurements at monitoring stations | NOC |  |
| **SM.443-4** | Bandwidth measurement at monitoring stations | NOC |  |
| **SM.575-2** | Protection of fixed monitoring stations against interference from nearby or strong transmitters | NOC |  |
| **SM.668-1** | Electronic exchange of information for spectrum management purposes | NOC |  |
| **SM.851-1** | Sharing between the broadcasting service and the fixed and/or mobile services in the VHF and UHF bands | NOC |  |
| **SM.852-0** | Sensitivity of radio receivers for class of emissions F3E | NOC |  |
| **SM.853-1** | Necessary bandwidth | NOC |  |
| **SM.854-3** | Direction finding and location determination at monitoring stations | NOC |  |
| **SM.855-1** | Multi-service telecommunication systems | NOC |  |
| **SM.856-1** | New spectrally efficient techniques and systems | NOC |  |
| **SM.1009-1** | Compatibility between the sound-broadcasting service in the band of about 87‑108 MHz and the aeronautical services in the band 108‑137 MHz | NOC |  |
| **SM.1045-1** | Frequency tolerance of transmitters | NOC |  |
| **SM.1046-2** | Definition of spectrum use and efficiency of a radio system | NOC |  |
| **SM.1047-2** | National spectrum management | NOC |  |
| **SM.1049-1** | A method of spectrum management to be used for aiding frequency assignment for terrestrial services in border areas | NOC |  |
| **SM.1050-2** | Tasks of a monitoring service | NOC |  |
| **SM.1051-3** | Priority of identifying and eliminating harmful interference in the band 406‑406.1 MHz | NOC |  |
| **SM.1054-0** | Monitoring of radio emissions from spacecraft at monitoring stations | NOC |  |
| **SM.1055-0** | The use of spread spectrum techniques | NOC |  |
| **SM.1056-1** | Limitation of radiation from industrial, scientific and medical (ISM) equipment | NOC |  |
| **SM.1131-0** | Factors to consider in allocating spectrum on a worldwide basis | NOC |  |
| **SM.1132-2** | General principles and methods for sharing between radiocommunication services or between radio stations | NOC |  |
| **SM.1133-0** | Spectrum utilization of broadly defined services | NOC |  |
| **SM.1134-1** | Intermodulation interference calculations in the land-mobile service | NOC |  |
| **SM.1135-0** | SINPO and SINPFEMO codes | NOC |  |
| **SM.1138-2** | Determination of necessary bandwidths including examples for their calculation and associated examples for the designation of emissions | NOC |  |
| **SM.1139-0** | International monitoring system | NOC |  |
| **SM.1140-0** | Test procedures for measuring aeronautical receiver characteristics used for determining compatibility between the sound-broadcasting service in the band of about 87‑108 MHz and the aeronautical services in the band 108‑118 MHz | NOC |  |
| **SM.1235-0** | Performance functions for digital modulation systems in an interference environment | NOC |  |
| **SM.1265-1** | National alternative allocation methods | NOC |  |
| **SM.1266-0** | Adaptive MF/HF systems | NOC |  |
| **SM.1268-3** | Method of measuring the maximum frequency deviation of FM broadcast emissions at monitoring stations | NOC |  |
| **SM.1270-0** | Additional information for monitoring purposes related to classification and designation of emission | NOC |  |
| **SM.1271-0** | Efficient spectrum utilization using probabilistic methods | NOC |  |
| **SM.1370-2** | Design guidelines for developing automated spectrum management systems | NOC |  |
| **SM.1392-2** | Essential requirements for a spectrum monitoring system for developing countries | NOC |  |
| **SM.1393-0** | Common formats for the exchange of information between monitoring stations | NOC |  |
| **SM.1394-0** | Common format for memorandum of understanding between the agreeing countries regarding cooperation in spectrum monitoring matters | NOC |  |
| **SM.1413-3** | Radiocommunication data dictionary for notification and coordination purposes | NOC |  |
| **SM.1446-0** | Definition and measurement of intermodulation products in transmitter using frequency, phase, or complex modulation techniques | NOC |  |
| **SM.1447-0** | Monitoring of the radio coverage of land mobile networks to verify compliance with a given licence | NOC |  |
| **SM.1448-0  + Corr.1** | Determination of the coordination area around an earth station in the frequency bands between 100 MHz and 105 GHz | NOC |  |
| **SM.1535-0** | The protection of safety services from unwanted emissions | NOC |  |
| **SM.1537-1** | Automation and integration of spectrum monitoring systems with automated spectrum management | NOC |  |
| **SM.1539-1** | Variation of the boundary between the out-of-band and spurious domains required for the application of Recommendations ITU‑R SM.1541 and ITU‑R SM.329 | NOC |  |
| **SM.1540-0** | Unwanted emissions in the out-of-band domain falling into adjacent allocated bands | NOC |  |
| **SM.1541-6** | Unwanted emissions in the out-of-band domain | NOC |  |
| **SM.1542-0** | The protection of passive services from unwanted emissions | NOC |  |
| **SM.1598-0** | Methods of radio direction finding and location on TDMA and CDMA signals | NOC |  |
| **SM.1599-1** | Determination of the geographical and frequency distribution of the spectrum utilization factor for frequency planning purposes | NOC |  |
| **SM.1600-2** | Technical identification of digital signals | NOC |  |
| **SM.1603-2** | Spectrum redeployment as a method of national spectrum management | NOC |  |
| **SM.1604-0** | Guidelines for an upgraded Spectrum Management System for developing countries | NOC |  |
| **SM.1633-0** | Compatibility analysis between a passive service and an active service allocated in adjacent and nearby bands | NOC |  |
| **SM.1681-0** | Measuring of low-level emissions from space stations at monitoring earth stations using noise reduction techniques | NOC |  |
| **SM.1682-1** | Methods for measurements on digital broadcasting signals | NOC |  |
| **SM.1708-1** | Field-strength measurements along a route with geographical coordinate registrations | NOC |  |
| **SM.1723-2** | Mobile spectrum monitoring unit | NOC |  |
| **SM.1751-0** | An additional methodology for the evaluation of the effect of interference between radiocommunication networks operating in a shared frequency band | NOC |  |
| **SM.1753-2** | Methods for measurements of radio noise | NOC |  |
| **SM.1754-0** | Measurement techniques of ultra-wideband transmissions | NOC |  |
| **SM.1755-0** | Characteristics of ultra-wideband technology | NOC |  |
| **SM.1756-0** | Framework for the introduction of devices using ultra-wideband technology | NOC |  |
| **SM.1757-0** | Impact of devices using ultra-wideband technology on systems operating within radiocommunication services | NOC |  |
| **SM.1792-0** | Measuring sideband emissions of T‑DAB and DVB‑T transmitters for monitoring purposes | NOC |  |
| **SM.1794-0** | Wideband instantaneous bandwidth spectrum monitoring systems | NOC |  |
| **SM.1809-0** | Standard data exchange format for frequency band registrations and measurements at monitoring stations | NOC |  |
| **SM.1836-0** | Test procedure for measuring the properties of the IF filter of radio monitoring receivers | NOC |  |
| **SM.1837-1** | Test procedure for measuring the 3rd order intercept point (IP3) level of radio monitoring receivers | NOC |  |
| **SM.1838-0** | Test procedure for measuring the noise figure of radio monitoring receivers | NOC |  |
| **SM.1839-1** | Test procedure for measuring the scanning speed of radio monitoring receivers | NOC |  |
| **SM.1840-0** | Test procedure for measuring the sensitivity of radio monitoring receivers using analogue-modulated signals | NOC |  |
| **SM.1875-2** | DVB-T coverage measurements and verification of planning criteria | NOC |  |
| **SM.1879-2** | The impact of power line high data rate telecommunication systems on radiocommunication systems below 470 MHz | NOC |  |
| **SM.1880-1** | Spectrum occupancy measurement and evaluation | NOC |  |
| **SM.1896-0** | Frequency ranges for global or regional harmonization of short-range devices (SRDs) | NOC |  |
| **SM.2028-0** | Protection distance calculation between inductive systems and radiocommunication services using frequencies below 30 MHz | NOC |  |
| **SM.2039-0** | Spectrum monitoring evolution | NOC |  |
| **SM.2060-0** | Test procedure for measuring direction finder accuracy | NOC |  |
| **SM.2061-0** | Test procedure for measuring direction finder immunity against multi-path propagation | NOC |  |
| **SM.2080-0** | Precision of time information in output data of monitoring receivers | NOC |  |

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