**RIS implementation of ECC/DEC/(15)05 on the harmonised frequency range 446.0-446.2 MHz, technical characteristics, exemption from individual licensing and free carriage and use of analogue and digital PMR 446 applications**

Foreword

The ECC has decided that RIS implementations of ECC deliverables should be uploaded to the ECO website in order to help administrations fill out the EFIS database.

This RIS implementation is limited to the harmonised frequency arrangements for PMR446 in the 446.0-446.2 MHz band.

**RIG II Template for harmonised frequency range 446.0-446.2 MHz, technical characteristics, exemption from individual licensing and free carriage and use of analogue and digital PMR 446 applications**

**Radio Interface Notification by an administration**

**Normative part**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr**  | **Parameter** | **Description** | **Comments**  |
| **1** | **RadiocommunicationService** | Mobile Service |  |
| **2** | **Application** | PMR446 | Hand portable equipment only (no base station or repeater use). All PMR 446 radio equipment shall have reception capability. |
| **3** | **Frequency band** | 446.0-446.2 MHz | Harmonised European introduction of digital PMR446 within the frequency range 446.0-446.1 MHz is planned as of 1 January 2018. |
| **4** | **Channelling** | 6.25 kHz/ 12.5 kHz | 6.25 kHz and 12.5 kHz spacing where the lowest carrier frequencies are 446.003125 MHz and 446.00625 MHz respectively. |
| **5** | **Modulation / Occupied bandwidth**  | Analogue or Digital modulation | Technology neutral approach |
| **6** | **Direction / Separation** | Not applicable  |  |
| **7** | **Transmit power / Power density** | 500 mW e.r.p.  | Integral antenna only |
| **8** | **Channel access and occupation rules**  | Maximum transmitter time-out time 180 sPMR446 equipment without Push-To-Talk (PTT) needs also VOX (Voice activation exchange) control. |  |
| **9** | **Authorisation regime** | General authorisation | No registration and/or notification is required (commonly known as “licence exempt”). |
| **10** | **Additional essential requirements according to Art. 3.3 of R&TTE Directive** | None |  |
| **11** | **Frequency planning assumptions** |  |  |

**Informative Part**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr**  | **Parameter** | **Description**  | **Comments**  |
| **12** | **Planned changes** | Digital PMR446 within the frequency range 446.0-446.1 MHz is planned with harmonised introduction as of 1 January 2018. |  |
| **13** | **Reference** | ECC/DEC/(15)05ETSI EN 300 113-2, EN 301 166-2 and EN 300 296-2 | It is foreseen that a specific new harmonised European Standard for PMR446 equipment will be available in the future which will replace the existing standard referencesAnalogue PMR446 equipment should use more robust receivers, as specified in ETSI TS 103 236 or equivalent technical specifications. |
| **14** | **Notification number**  |  |  |
| **15** | **Remarks**  | *Abbreviation**e.r.p. effective radiated power* |  |