Draft UK Interface Requirement (IR) 2030

Licence exempt Short Range Devices (SRDs)

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Contents

Section

1. Foreword

This UK Interface Requirement contains the requirements for the licensing and use of licence exempt Short Range Devices (SRDs).

It is required by the Wireless Telegraphy Act 2006 that no radio equipment is installed or used in the UK except under the authority of a licence granted by or otherwise exempted by regulations made by Ofcom. It is a condition of such a licence or exemption regulations as appropriate that, in order to be installed or used in the UK, the equipment must meet the minimum requirements specified in this UK Interface Requirement for the stated equipment types and for the stated frequency bands.

Nothing in this UK Interface Requirement shall preclude equipment from being placed on the market in the UK that complies with the 'essential requirements' specified in Radio Equipment Regulations 2017 (SI 2017/1206).

The requirements given in the main body of this UK Radio Interface Requirement will apply to licence exempt SRDs.

This UK Radio Interface Requirement will be revised as necessary, for example to follow:

a) current technology developments for reasons related to the effective and appropriate use of the spectrum in particular maximising spectrum utilisation; and
b) changes to the available spectrum allocated for licence exempt SRDs.

All UK Radio Interface Requirements will be published and will be made available free of charge from the Ofcom website.

Further information on this UK Radio Interface Requirement can be obtained from the technical enquiry contact given at the back of this document.

2. Minimum requirements for operation within the UK

The minimum requirements in this document are made for reasons related to the effective and appropriate use of the radio spectrum, in particular maximising spectrum utilisation.

This UK Radio Interface Requirement gives a high-level description of how the spectrum in the UK is used for licence exempt SRDs. It does not prescribe technical interpretation of the 'essential requirements' of Radio Equipment Regulations 2017.

This UK Radio Interface Requirement therefore stipulates the necessary equipment parameters for the authorisation of licence exempt SRDs in the UK. Tables 3.1 to 3.18 contain the relevant equipment parameters. These taken together with the 'essential requirements' detailed in the Radio Equipment Regulations 2017 constitute the minimum requirements licence exempt SRDs within the UK.

Nothing in this UK Interface Requirement shall preclude equipment from being placed on the market in the UK that complies with the 'essential requirements' specified in Radio Equipment Regulations 2017.

The technical parameters specified in the UK Radio Interface Requirement are applied to achieve the desired level of compatibility within the spectrum for licence exempt SRDs and with other radiocommunications services, whilst promoting enterprise, innovation and competition.

This UK Radio Interface requirement provides the necessary technical information which facilitates access to spectrum by making clear the assumptions that are made in planning the use of the spectrum for licence exempt SRDs in the UK. It is not the intention of this UK Radio Interface Requirement to duplicate or impose any additional 'essential requirements' of the Radio Equipment Regulations 2017. Any specified parameters within this document are for the purpose of identifying product options and not as a national de facto product requirement.

3. Equipment Definitions

Number	Defined term	Definition
IR2030/1	Non-Specific Short-RangeDevice	The non-specific short-range device category covers all kinds of radiodevices, regardless of the application or the purpose, which fulfil the technical conditions as specified for a given frequency band. Typical uses include telemetry, telecommand, alarms, data transmissions in general and other applications.
IR2030/2	Industrial / Commercial Telemetry and Telecommand	Used for the control of remote equipment or transmission of datafrom that equipment.
IR2030/3	Databuoy Telemetry	Databuoy Telemetry apparatus is equipment designed or adapted fortelemetry in a maritime environment.
IR2030/4	Active Medical Implants and associated peripherals	The active medical implants device category covers the radio part ofactive implantable medical devices that are intended to be totally orpartially introduced, surgically or medically, into the human body orthat of an animal, and where applicable, their peripherals.
IR2030/6	Medical Body Area NetworkSystems	Medical Body Area Network Systems (MBANSs), used for medical dataacquisition, are intended to be used in healthcare facilities and patients' homes. They are low power radio systems used for the transmission of non-voice data to and from medical devices for the purposes of monitoring, diagnosing and treating patients as prescribed by duly authorised healthcare professionals and are defined in the context of medical applications only.
	Medical and Biological Applications	Covers the transmission of information used by medical and biologicalapplications on humans or animals. It can be used for the tracking of animals including birds where applicable.
	Medical data acquisitiondevices	Covers the transmission of nonvoice data to and from non- implantable medical devices for the purpose of monitoring, diagnosing and treating patients in

Number	Defined term	Definition
		healthcare facilities or patient'shome, as prescribed by duly authorised healthcare professional.
IR2030/7	Wideband Data transmissionDevices (WBDTS)	The wideband data transmission device category covers radio devicesthat use wideband modulation techniques to access the spectrum. Typical uses include wireless access systems such as radio local areanetworks (WAS/RLANs) or wideband short-range devices in data networks.
IR2030/8	Wireless Access Systems (WAS)	Equipment, including Radio Local Area Networks, designed for highspeed data communication.
IR2030/9	Short Range Indoor Data Links	Equipment designed for data communication for indoor use.
IR2030/10	Railway Applications	Equipment designed or adapted for the purpose of railway vehicle identification or for the provision of short range data links betweenthe track and railway vehicles.
IR2030/12	Radio determination	The radio determination device category covers radio devices that areused for determining the position, velocity and/or other characteristics of an object, or for obtaining information relating to these parameters. Radiodetermination equipment typically conducts measurements to obtain such characteristics. Any kind of point-to- point or point-to-multipoint radio communications is outside of this definition.
IR2030/13	Radio Frequency Identification(RFID)	The radio frequency identification (RFID) device category covers tag/interrogator-based radio communications systems, consisting of radio devices (tags) attached to animate or inanimate items and of transmitter/receiver units (interrogators) which activate the tags and receive data back. Typical uses include the tracking and identification of items, such as for electronic article surveillance (EAS), and collecting and transmitting data relating to the items to which tags areattached, which may be either battery-less, battery assisted or batterypowered. The responses from a tag are validated by its interrogator and passed to its host system.
IR2030/14	Transport and Traffic Telematics (TTT)	The transport and traffic telematics (TTT) device category covers radiodevices that are used in the fields of transport (road, rail, water or air,depending on the relevant technical restrictions), traffic management, navigation, mobility management and in intelligent transport systems (ITS). Typical applications are used for different modes of transport, communication

Number	Defined term	Definition
		between vehicles (e.g. car to car), between vehicles and fixed locations (e.g. car to infrastructure) as well as communication from and to users.
R2030/15	Inductive	The inductive category covers radio applications intended to use magnetic fields with inductive loop systems for near field communications and determination applications. Typical uses include devices for car immobilisation,animal identification, alarm systems, cable detection, waste management, personal identification, wireless voice links, access control, proximity sensors, anti-theft systems, including RF anti-theftinduction systems, data transfer to hand-held devices, automatic article identification, wireless control systems and automatic road tolling.
IR2030/16	Metal detectors	That part of an induction system designed or adapted to produce:- (a) to produce a controlled magnetic field; and a predetermined recognisable signal when operating within thatmagnetic field
IR2030/17	Reliable Alarm Devices	The Reliable alarm devices category covers radio devices that rely on low overall spectrum utilisation and low duty cycle spectrum access rules to ensure highly reliable spectrum access and transmissions in shared bands. Typical uses include alarm systems that use radio communication for indicating an alert condition at adistant location and social alarms systems that allow reliable communication for a person in distress.
IR2030/35	Audio PMSE devices	Audio PMSE devices are wireless audio equipment used in the production of content for television, radio, film, and live events. These include wireless microphones, in-ear monitors, and other audio transmission devices essential for high-quality audio capture and transmission in both professional and non-professional settings
IR2030/18	Social Alarm Devices	Social alarm devices are radio communications systems that allow reliable communication for a person in distress in a confined area to initiate a call for assistance. Typical uses of social alarm are to assist elderly or disabled people.
IR2030/20	Alarms	An alarm system is a device which uses radio communication support for indicating an alert to a system or a person, as a main functionality,at a distant location when a problem or a specific situation occurs.

Number	Defined term	Definition
		Radio alarms include social alarms and alarms for security and safety.
IR2030/23	Model Control	Model control devices are a specific kind of telecommand and telemetry radio equipment that is used to remotely control themovement of models (principally miniature representations of vehicles) in the air, on land or over or under the water surface.
IR2030/23	Model Control	Model control devices are a specific kind of telecommand and telemetry radio equipment that is used to remotely control themovement of models (principally miniature representations of vehicles) in the air, on land or over or under the water surface.
IR2030/24	Radio Microphones	Equipment designed or adapted for telephony, for the purpose ofprojecting the user's voice or music.
IR2030/25	Assistive Listening Device (ALD)	The assistive listening device (ALD) category covers radio communications systems that allow persons suffering from hearing disability to increase their listening capability. Typical systems includeone or more radio transmitters and one or more radio receivers.
IR2030/26	Wireless Audio Applications(WAS)	Wireless audio and multimedia streaming systems used for audio/video transmissions and audio/video synchronisation signals including cordless loudspeakers and cordless headphones.
IR2030/27	Wireless Video Cameras - Non Broadcasting	Apparatus designed or adapted for Television. Where required, associated audio may also be used within the specified frequency band.
IR2030/28	Video Distribution for PrivateUse	Apparatus designed or adapted for Television. Where required, associated audio may also be used within the specified frequency band.
IR2030/29	Tank Level Probing Radar	Tank Level Probing Radar (TLPR) is a specific type of radiodetermination application, which is used for tank level measurements and is installed in metallic or reinforced concrete tanks, or similar structures made of material with comparable attenuation characteristics. The purpose of the tank is to contain asubstance.
IR2030/31	Networked SRDs	A short-range device in a data network, which potentially also coverswider areas; all nomadic and mobile devices within the data network shall be controlled by a master network access point.
IR2030/32	Metering device	The metering device category covers radio devices that are part ofbidirectional radio communications systems

Number	Defined term	Definition
		which allow remote monitoring, measuring and transmission of data in smart grid infrastructures, such as electricity, gas and water.
IR2030/33	High Duty / Cycle Continuous Transmissions	The high duty cycle/continuous transmission device category covers radio devices that rely on low latency and high duty cycle transmissions. Typical uses are for personal wireless audio and multimedia streaming systems, mobile phones, automotive or home entertainment system, wireless microphones, cordless loudspeakers,cordless headphones, radio devices carried on a person, assistive listening devices, in-ear monitoring, wireless microphones for use at concerts or other stage productions, and low power analogue FM transmitters.
IR2030/34	PMR446	PMR446 equipment is hand portable (no base station or repeater use)and uses integral antennas only in order to maximise sharing and minimise interference. PMR 446 equipment operates in short range peer-to-peer mode and shall be used neither as a part of infrastructure network nor as a repeater.

"**duty cycle**" means the ratio, expressed as a percentage, of Σ(Ton)/(Tobs) where Ton is the "on" time of a single transmitter device and Tobs is the observation period. Ton is measured in an observation frequency band (Fobs). Unless otherwise specified in the technical provisions, Tobs is a continuous one hour period and Fobs is the applicable frequency band.

Informative information only: For Licence Exempt Short Range Devices operating on radio frequencies between 25 MHz and 1 GHz, with power levels up to 500 mW, the guidance published in EN 300 220 should ensure reasonable reliability of the radio link and performance of the receiver.

Table 3.1: Non-specific Short Range Devices (SRDs)

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/1/50	Non-specific short-range devices	This set of usage conditions is only available for person detection and collision avoidance devices. Airborne use is not permitted.	442.2 - 450.0 kHz	7 dBµA/m at 10 m		Channel spacing ≥ 150 Hz		
IR2030/1/39	Non-specific short-range devices	Devices for detection of buried victims and valuable items. Airborne use is not permitted.	456.9 - 457.1 kHz	7 dBµA/m at 10 m				EN 300 718
IR2030/1/1	Non-specific short-range devices	Equipment may be used airborne.	6765 - 6795 kHz	42 dBµA/m at 10 m				EN 300 330
IR2030/1/2	Non-specific short-range devices	Equipment may be used airborne.	13.553 – 13.567 MHz	42 dBµA/m at 10 m				EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/1/3	Non-specific short-range devices	Equipment may be used airborne.	26.957 - 27.283 MHz	10 mW e.r.p. 42 dBµA/m at 10 m				EN 300 220 EN 300 330
IR2030/1/40	Non-specific short-range devices	Equipment may be used airborne.	26.99 – 27.00 MHz 27.04 – 27.050 MHz 27.09 – 27.10 MHz 27.14 – 27.15 MHz 27.19 – 27.20 MHz	100 mW e.r.p.			Duty Cycle limit ≤ 0.1%	EN 300 220 Model Control limits set out at IR2030/23/1
IR2030/1/4	Non-specific short-range devices	Equipment may be used airborne.	40.66 - 40.70 MHz	10 mW e.r.p.				EN 300 220
IR2030/1/5	Non-specific short-range devices	Airborne use is not permitted.	49.82 - 49.98 MHz	10 mW e.r.p.				EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/1/53	Non-specific short-range devices	This set of usage conditions is only available for audio transmitters with analogue frequency modulation (FM) Equipment may be used airborne.	87.5-108 MHz	50 nW e.r.p.		Bandwidth ≤ 200 kHz		EN 301 357
IR2030/1/26	Non-specific short-range devices		138.20 – 138.45 MHz	10 mW e.r.p.			Duty Cycle limit < 1.0 %	EN 300 220
IR2030/1/41	Non-specific short-range devices	Equipment may be used airborne.	169.4 - 169.475 MHz	500 mW e.r.p.			Duty Cycle ≤ 1.0%	EN 300 220
IR2030/1/42	Non-specific short-range devices	Equipment may be used airborne.	169.4 - 169.4875 MHz	10 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							described in designated standards specified in the Notices of publication (See Section 4) must be used. Alternatively, a duty cycle limit of 0.1% may be used	
IR2030/1/43	Non-specific short-range devices	Equipment may be used airborne.	169.4875 - 169.5875 MHz	10 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Alternatively, a duty cycle limit of	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							0.001% may be used. Between 00:00h and 06:00h local time a duty cycle limit of 0.1% may be used.	
IR2030/1/44	Non-specific short-range devices	Equipment may be used airborne.	169.5875 - 169.8125 MHz	10 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Alternatively, a duty cycle limit of	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							≤ 0.1% may be used.	
IR2030/1/6	Non-specific short-range devices	Music is only permitted when using a digitised signal. Airborne use is not permitted.	173.20 - 173.35 MHz	1 mW e.r.p.		Channel Spacing 12.5 kHz Channel numbers 1 and 3 to 11 inclusive; are available with a channel centre frequency of 173.2 MHz plus (Channel Spacing times channel number).		EN 300 220
IR2030/1/7	Non-specific short-range devices	Music is only permitted when using a digitised signal. Airborne use is not permitted.	173.20 - 173.35 MHz	1 mW e.r.p.		Channel Spacing 25 kHz Channel numbers 2 to 5 inclusive are available with a channel centre frequency of		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
						173.2 MHz plus (Channel Spacing times channel number).		
IR2030/1/8	Non-specific short-range devices	Telemetry and telecommand may only be used in conjunction with telephony with a non-locking push to talk key or voice operated carrier. Airborne use is not permitted.	173.5875, 173.6 MHz	10 mW e.r.p.		Channel Spacing 12.5 kHz		EN 300 220
IR2030/1/9	Non-specific short-range devices	New equipment cannot be taken into service. However, existing equipment brought into service prior to 31 December 2007 may continue to	417.9 - 418.1 MHz	250 mW e.r.p.				EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
		operate within the band. Music is only permitted when using a digitised signal.						
IR2030/1/10	Non-specific short-range devices	Equipment may be used airborne.	433.05 - 434.79 MHz	10 mW e.r.p.			Duty cycle limit ≤ 10%	EN 300 220
IR2030/1/11	Non-specific short-range devices	Equipment may be used airborne.	433.05 - 434.79 MHz	1 mW e.r.p.				EN 300 220
IR2030/1/12	Non-specific short-range devices	Equipment may be used airborne.	434.04 - 434.79 MHz	10 mW e.r.p.			Duty cycle ≤ 100% subject to bandwidth ≤ 25 kHz	EN 300 220
IR2030/1/52	Non-specific short-range devices	Airborne use is not permitted.	862 - 863 MHz	25 mW e.r.p.	Duty cycle limit: ≤ 0.1%.	Bandwidth: ≤ 350 kHz.		

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/1/13	Non-specific short-range devices	Equipment may be used airborne.	863 - 865 MHz	25 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Requirements on techniques to access spectrum and mitigate interference apply. Alternatively, a Duty cycle ≤ 0.1% applies.	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
	Non-specific short-range devices		867.4 - 867.6 MHz		Compatibility as APC must be used.		Notices of publication (See Section 4) must be used. Maximum Duty cycle for data network access points: ≤ 10 % Maximum Duty cycle for other data network devices: ≤ 2.5	
IR2030/1/15	Non-specific short-range devices	Analogue audio applications otherthan voice are excluded. Analogue video applications areexcluded. Equipment may be used airborne.	868 – 869.7 MHz	25 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							in the Notices of publication (See Section 4) must be used. Alternatively, a duty cycle limit of 0.1% may be used.	
IR2030/1/16	Non-specific short-range devices	Equipment may be used airborne.	868.0 - 868.6 MHz	25 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide atleast equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Requirements on techniques to access spectrum and mitigate interference	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							applies. Alternatively, a duty cycle limit of ≤ 1% applies.	
IR2030/1/17	Non-specific short-range devices	Equipment may be used airborne.	868.7 - 869.2 MHz	25 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Requirements on techniques to access spectrum and mitigate interference apply. Alternatively, a	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							duty cyclelimit of ≤ 0.1 % **applies.**	
IR2030/1/18	Non-specific short-range devices	Equipment may be used airborne.	869.30 - 869.40 MHz	10 mW e.r.p.		Channel bandwidth ≤ 25 kHz	Duty cycle limit ≤ 10 %	EN 300 220
IR2030/1/19	Non-specific short-range devices	Equipment may be used airborne.	869.40 - 869.65 MHz	500 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Requirements on techniques to access spectrum and mitigate interference	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							applies. Alternatively, a duty cyclelimit of ≤ 10 % applies.	
IR2030/1/20	Non-specific short-range devices	Equipment may beused airborne.	869.7 - 870 MHz	25 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Requirements on techniques to access spectrum and mitigate interference applies. Alternatively, a	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							duty cycle limit of ≤ 1% applies.	
IR2030/1/21	Non-specific short-range devices	Equipment may beused airborne.	869.7 - 870 MHz	5 mW e.r.p.				EN 300 220
IR2030/1/29	Non-specific short-range devices	Airborne use is not permitted.	870 – 874.4 MHz	25 mW e.r.p.		≤ 200 kHz	Duty Cycle limit ≤ 0.1%	EN 300 220
IR2030/1/30	Non-specific short-range devices	Airborne use is not permitted.	873 - 876 MHz	25 mW e.r.p.		≤ 200 kHz	Duty Cycle limit ≤ 0.01% and limited to a maximum transmit on-time of 5ms/1s	EN 300 220
IR2030/1/31	Non-specific short-range devices	Airborne use is not permitted.	870 – 874.4 MHz	25 mW e.r.p.		≤ 600 kHz	Duty Cycle limit ≤ 1%	EN 300 220
IR 2030/1/47	Non-specific short- range devices	This set of usage conditions is onlyavailable for short range devices in data networks. All	870 - 874.4 MHz	500 mW e.r.p.	Adaptive Power Control (APC) required, alternatively othermitigation techniques	Bandwidth: ≤ 200 kHz	Duty cycle: ≤ 10 % for network access points, ≤2.5 % otherwise. Techniques to access spectrum	

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
		mobile and nomadic devices within the data network shall be controlled by a master network access point. Airborne use is not permitted.			which achieve at least an equivalent level ofspectrum compatibility.		and mitigate interference that provide at least equivalent performance to the techniques described in relevant designated standards specified in the Notices of publication (See Section 4) must be used.	
IR2030/1/32	Non-specific short-range devices	Airborne use is not permitted.	873 - 875.8MHz	25 mW e.r.p.		≤ 600 kHz	Duty Cycle limit ≤ 0.01% and limited to a maximum transmit on time of 5ms/1s	EN 300 220
IR2030/1/33	Non-specific short-range devices	Airborne use is not permitted.	915 - 918 MHz	25 mW e.r.p.		≤ 200 kHz	Duty Cycle limit ≤ 0.1%	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/1/34	Non-specific short-range devices	Airborne use is not permitted.	918 - 921 MHz	25 mW e.r.p.		≤ 200 kHz	Duty Cycle limit ≤ 0.01% and limited to a maximum transmit on-time of 5ms/1s	EN 300 220
IR2030/1/35	Non-specific short-range devices	Airborne use is not permitted.	915.2 - 918 MHz	25 mW e.r.p.		≤ 600 kHz	Duty Cycle limit ≤ 1%	EN 300 220
IR2030/1/36	Non-specific short-range devices	Airborne use is not permitted.	918 - 920.8 MHz	25 mW e.r.p.		≤ 600 kHz	Duty Cycle limit ≤ 0.01% and limited to a maximum transmit on-time of 5ms/1s	EN 300 220
IR2030/1/37	Non-specific short-range devices	Airborne use is not permitted.	916.1 - 916.5 MHz 917.3 - 917.7 MHz	100 mW e.r.p.			Duty Cycle limit ≤ 1%	EN 300 220
IR2030/1/49	Non-specific short- range devices	This set of usage conditions is only available for short- range devices in data	917.3 - 918.9 MHz	500 mW e.r.p.	Transmissions only permitted within the frequency	Bandwidth: ≤ 200 kHz Duty cycle: ≤ 10 % for	Techniques to access spectrum and mitigate interference that	

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
		networks. All mobile and nomadic devices within the data network shall be controlled by a master network access point. Airborne use is not permitted.			ranges 917.3 - 917.7 MHz, 918.5 - 918.9 MHzAdaptive Power Control (APC) required, alternatively othermitigation techniques which achieve at least an equivalent level ofspectrum compatibility	network access points Duty cycle: ≤ 2.5 % otherwise	provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	
IR2030/1/48	Non-specific short-range devices	This set of usage conditions is only available for short-range devices in data networks. All mobile and nomadic devices within the data network shall be controlled by a master network	916.1 - 919.4 MHz	25 mW e.r.p.		Bandwidth: ≤ 600 kHz	Duty cycle ≤ 1 % Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated	

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
		access point. Airborne use is not permitted.					standards specified in the Notices of publication (See Section 4) must be used.	
IR2030/1/38	Non-specific short-range devices	Airborne use is not permitted.	918.5 - 918.9 MHz 919.7 - 920.1 MHz	100 mW e.r.p.			Duty Cycle limit ≤ 0.01% and limited to a maximum transmit on-time of 5ms/1s	EN 300 220
IR2030/1/22	Non-specific short-range devices	Equipment may be used airborne.	2400 - 2483.5 MHz	10 mW e.i.r.p.				EN 300 440
IR2030/1/23	Non-specific short-range devices	Equipment may be used airborne.	5725 - 5875 MHz	25 mW e.i.r.p.				EN 300 440
IR2030/1/24	Non-specific short-range devices	Equipment may be used airborne.	24.150 - 24.250 GHz	100 mW e.i.r.p.				EN 300 440

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/1/45	Non-specific short-range devices	Equipment may be used airborne.	57 - 64 GHz	100 mW e.i.r.p. 13 dBm/MHz e.i.r.p. 10 dBm transmitter power				EN 305 550
IR2030/1/25	Non-specific short-range devices	Equipment may be used airborne.	61.0 - 61.5 GHz	100 mW e.i.r.p.				EN 305 550
IR2030/1/27	Non-specific short-range devices	Equipment may be used airborne.	122 - 123 GHz	100 mW e.i.r.p.				EN 305 550
IR2030/1/28	Non-specific short-range devices	Equipment may be used airborne.	244 - 246 GHz	100 mW e.i.r.p.				EN 305 550

Table 3.2 Industrial/ Commercial Telemetry and Tele-command

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/2/1	Industrial/ Commercial Telemetry and Tele-command	Use is limited to remote meter reading. Equipment may be used airborne.	169.4 – 169.475 MHz	500 mW e.r.p.		Channel Bandwidth ≤50kHz	Duty cycle limit 10%	EN 300 220
IR2030/2/2	Industrial/ Commercial Telemetry and Tele-command	Use is limited to asset tracking and tracing. Equipment may be used airborne.	169.4 – 169.475 MHz	500 mW e.r.p.		Channel Bandwidth ≤50kHz	Duty cycle limit ≤ 1%	EN 300 220
IR2030/2/3	Industrial/ Commercial Telemetry and Tele-command	Music and speech are only permitted when using a digitised signal. Airborne use is not permitted.	173.2 - 173.35 MHz	10 mW e.r.p.		Channel Spacing 12.5 kHz. Channel numbers 1 and 3 to 11 inclusive; are available with a channel centre frequency of 173.2 MHz plus (Channel Spacing		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
						times channel number).		
IR2030/2/4	Industrial/ Commercial Telemetry and Tele-command	Music and speech are only permitted when using a digitised signal. Airborne use is not permitted.	173.2 - 173.35 MHz	10 mW e.r.p.		Channel Spacing 25 kHz. Channel numbers 1 to 5 inclusive are available with a channel centre frequency of 173.2 MHz plus (Channel Spacing times channel number).		EN 300 220
IR2030/2/5	Industrial/ Commercial Telemetry and Tele-command	Music and speech are only permitted when using a digitised signal. Airborne use is not permitted.	173.2 - 173.35 MHz	10 mW e.r.p.				EN 300 220
IR2030/2/6	Industrial/ Commercial Telemetry and Tele-command	Music and speech are only permitted when using a digitised signal.	458.5 - 458.95 MHz	500 mW e.r.p.		Channel Spacing 12.5 kHz. Channel numbers 1 to 25 inclusive		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		Airborne use is not permitted.				and 28 to 31 inclusive and 33 to 35 inclusive are available with a channel centre frequency of 458.5 MHz plus (Channel Spacing times channel number).		
IR2030/2/8	Industrial/ Commercial Telemetry and Tele-command	Music and speech are only permitted when using a digitised signal. Airborne use is not permitted.	2445 - 2455 MHz	100 mW e.i.r.p.				EN 300 440

Table 3.3 Databuoy Telemetry

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/3/1	Databuoy Telemetry	Airborne use is not permitted.	34.5 - 34.995 MHz	250 mW e.r.p.		Channel Spacing 25 kHz.		EN 300 220
IR2030/3/2	Databuoy Telemetry	Airborne use is not permitted.	35.225 - 35.5 MHz	250 mW e.r.p.		Channel Spacing 25 kHz.		EN 300 220

Table 3.4 Medical and biological devices

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/4/1	Active Medical Implants and	Equipment may beused airborne.	Article I. – 315 kHz	30 dBµA/m at 10m			Duty cycle: ≤ 10%	EN 302 195

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
	associated peripherals							
IR2030/4/2	Active Medical Implants and associated peripherals	Airborne use is not permitted.	Article II. 00 kHz–- 30 MHz	9 dBµA/m at 10m			Duty cycle: ≤ 10%	EN 300 330
IR2030/4/8	Active Medical Implants and associated peripherals	Animal Implantable Devices. Equipment may beused airborne.	315 - 600 kHz	-5 dBµA/m at 10m			Duty cycle: ≤ 10%	EN 302 536
IR2030/4/9	Active Medical Implants and associated peripherals	Animal Implantable Devices (indoor use only).	12.5 - 20 MHz	-7 dBµA/m at 10m in any bandwidth of 10 kHz			Duty cycle: ≤ 10%	EN 300 330
IR2030/4/3	Active Medical Implants and associated peripherals	Equipment may beused airborne.	30 - 37.5 MHz	1 mW e.r.p.			Duty cycle: ≤ 10%	EN 302 510

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/4/4	Active Medical Implants and associated peripherals	Equipment may beused airborne.	401 - 402 MHz	25 µW e.r.p.		Bandwidth ≤ 100 kHz	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in relevant designated standards specified in the Notices of publication (See Section 4) must be used. Requirements on techniques to access spectrum and mitigate interference applies. Alternatively, a Duty	EN 302 537

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							cycle ≤ 0.1% applies.	
IR2030/4/5	Active Medical Implants and associated peripherals	This category coversthe radio part of active implantable medical devices. Equipment may beused airborne.	402 – 405 MHz	25 µW e.r.p.		Bandwidth ≤ 300 kHz	Other techniques that provide at least equivalent performance to the techniques described in relevant designated standards specified in the Notices of publication (See Section 4) must be used. Techniques to access spectrum or mitigate interference including bandwidths greater than 300 kHz can be used	EN 301 839

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							provided they ensure compatible operation with the other users in particular with meteorological radiosondes.	
IR2030/4/6	Active Medical Implants and associated peripherals	Equipment may beused airborne.	405 – 406 MHz	25 µW e.r.p.		Bandwidth ≤ 100 kHz	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in relevant designated standards specified in the Notices of publication (See Section 4) must be used.	EN 302 537

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							Requirements on techniques to access spectrum and mitigate interference apply. Alternatively, a Duty cycle ≤ 0.1% applies.	
IR2030/4/7	Active Medical Implants and associated peripherals	This set of usage conditions is only available to active implantable medicaldevices. Peripheral master units are for indooruse only. Equipment may beused airborne.	2483.5 - 2500 MHz	10 mW e.r.p.		Bandwidth ≤ 3 MHz	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in relevant designated standards specified in the Notices of publication (See Section 4) must	EN 301 559

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							be used. Requirements on techniques to access spectrum and mitigate interference apply. Alternatively, a Duty cycle ≤ 10 % for peripherals.	
IR2030/6/1	Medical and Biological Applications	These bands may also be used for thetracking of birds. Equipment affixed toa bird may be used airborne.	173.7 – 174 MHz	10 mW e.r.p.		Channel Spacing 12.5 kHz. Channel numbers 1 to24 inclusive are available with channelcentre frequency of 173.7 MHz plus (Channel Spacing timeschannel number).		EN 300 220
IR2030/6/2	Medical and Biological Applications	These bands may also be used for thetracking of birds.	173.7 – 174 MHz	10 mW e.r.p.		Channel Spacing 25kHz. Channel numbers 1 to11 inclusive are available with channelcentre frequency of		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		Equipment affixed toa bird may be used airborne.				173.7 MHz plus (Channel Spacing timeschannel number).		
IR2030/6/3	Medical and Biological Applications		173.7 – 174 MHz	10 mW e.r.p.				EN 300 220
IR2030/6/4	Medical and Biological Applications	These bands may also be used for thetracking of birds. Equipment affixed toa bird may be used airborne.	458.9625 – 459.1000 MHz	10 mW e.r.p.		Channel Spacing 12.5 kHz. Channel numbers 37 to 47 inclusive are available with channel centre frequency of 458.5 MHz plus (Channel Spacing timeschannel number).		EN 300 220
IR2030/6/5	Medical and Biological Applications	Airborne use is notpermitted.	458.9625 – 459.1000 MHz	500 mW e.r.p.		Channel Spacing 12.5 kHz. Channel numbers 37 to 47 inclusive are available with channel centre frequency of		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
						458.5 MHz plus (Channel Spacing timeschannel number).		
IR2030/6/6	Medical and Biological Applications	These bands may also be used for thetracking of birds. Equipment affixed toa bird may be used airborne.	458.9625 – 459.1000 MHz	10 mW e.r.p.		Channel Spacing 25kHz. Channel numbers 19 to 23 inclusive are available with channel centre frequency of 458.5 MHz plus (Channel Spacing timeschannel number).		EN 300 220
IR2030/6/7	Medical and Biological Applications	Airborne use is notpermitted.	458.9625 - 459.1000 MHz	500 mW e.r.p.		Channel Spacing 25kHz. Channel numbers 19 to 23 inclusive are available with channel centre frequency of 458.5 MHz plus (Channel Spacing timeschannel number).		EN 300 220
IR2030/6/8	Medical data acquisition	The set of usage conditions is only available for	2483.5 - 2500 MHz	1 mW e.r.p.		Modulation Bandwidth: ≤ 3 MHz	Techniques to access spectrum and mitigate	EN 301 559

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
	devices (MBANS)	medicalbody area network system (MBANS) for indoor use within healthcare facilities. Airborne use is notpermitted.					interference that provide at least equivalent performance to the techniques described in relevant designated standards specified in the Notices of publication (See Section 4) must be used. Alternatively, a duty cycle of ≤ 2 % must be used.	
IR2030/6/9	Medical data acquisition devices (MBANS)	The set of usage conditions is only available for medical body area network system (MBANS) for indoor use	2483.5 - 2500 MHz	10 mW e.r.p.		Modulation Bandwidth: ≤ 3 MHz	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to	EN 301 559

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		within the patient's home. Airborne use is notpermitted.					the techniques described in designated standards specified in the Notices of publication (See Section5) must be used. Alternatively, a duty cycle of ≤ 2 % must be used.	
IR2030/6/10	Medical data acquisition devices	Wireless medical capsule endoscopy is used for medical dataacquisition designed for use in medical doctor-patient scenarios with the aim of acquiring images of human	430 - 440 MHz	-50 dBm/100kHz e.r.p.power density but notexceeding a total power of -40 dBm/10MHz (both limits are intended for				EN 303 520

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		digestive tract. The set of usage conditions is only available for Ultra- Low Power Wireless Medical Capsule Endoscopy (ULP-WMCE) applications. Airborne use is notpermitted.		measurement outsideof the patient's body)				

Table 3.5 Wideband Data Transmission Systems (WBDTS), Wireless Access Systems (WAS) & Short Range Indoor Data Links

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/7/3	Wideband Data Transmission devices	Airborne use is not permitted.	863 - 868 MHz	25 mW e.r.p.		Maximum channel bandwidth: ≤ 1 MHz	This set of usage conditionsis only available for wideband devices used in data networks. Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
							Section 4) must be used.	
IR 2030/7/5	Wideband Data Transmission Systems	This set of usage conditions is only available for wideband short-range devices in data networks. All mobile and nomadic devices within the data network shall be controlled by a master network access point. Airborne use is not permitted.	916.4 - 919.4 MHz	25 mW e.r.p.		Bandwidth ≥ 600 kHz Bandwidth: ≤ 1 MHz Duty cycle ≤ 10 % for network access points Duty cycle ≤ 2.8 % Otherwise.	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	
IR2030/7/1	Wideband Data Transmission System (WBDTS)	Equipment may be used airborne.	2400 - 2483.5 MHz	100 mW e.i.r.p. In addition equipment must only emit			Techniques to access spectrum and mitigate interference that provide at least equivalent	EN 300 328 EN 303 422

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
				emissions of 100 mW/100 kHz e.i.r.p. when frequency hopping modulation is used, or 10 mW/MHz e.i.r.p. when other types of modulation are used.			performance to the techniques described in relevant designated standards specified in the Notices of publication (See Section 4) must be used.	
IR2030/7/2	Wideband Data Transmission System (WBDTS)	Equipment must not form part of a fixed outdoor installation. Equipment may be used airborne.	57 – 71 GHz	40 dBm e.i.r.p. / 23 dBm/MHz e.i.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the	EN 302 567

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							Notices of publication (See Section 4) must be used.	
IR2030/7/4	Wideband Data Transmission System (WBDTS)	Equipment forming part of a fixed outdoor installation. Airborne use is not permitted. For operation in the 59 – 63.9 GHz band, transmission not permitted within six kilometres of any of the following locations (expressed by latitude and longitude coordinates)- (i)07° 23’ 36.6”W, 57° 21’ 3.6”N; (ii)04° 58’ 21”W,	57 – 71 GHz	40 dBm e.i.r.p / 27 dBm maximum transmit output power* *total conducted power delivered to antenna port/ports			Techniques to access spectrum and mitigate interference that provideat least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	EN 302 567

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		51° 37’16.8” N; and (iii)00° 36’22.8” W, 52° 38’ 1.8” N.						
IR2030/8/1a	Wireless Access Systems (WAS)	Airborne use outside of an aircraft is only permitted in 5170 – 5250 MHz. Outdoor use is permitted provided that the equipment must not form part of a fixed outdoor installation. The apparatus may be used within a building or aircraft or any other enclosed space(including road vehicles and trains with attenuation characteristics at	5150- 5250 MHz	Maximum mean e.i.r.p of 200 mW and maximum mean e.i.r.p density of 10 mW/MHz in any 1 MHz band. If an installation within a road vehicle can not meet the attenuation limits set then a 40 mW maximum			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notice of publication (See Section 4) must be used.	EN 301 893

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		least as strong as those of either a building, an aircraft or an attenuation loss on average of less than 12 dB . Devices can only be used to establish a connection with a station or apparatus within the same building or aircraft or other enclosed space.		mean e.i.r.p. applies.				
IR2030/8/1b	Wireless Access Systems (WAS)	Aeronautical mobile use is not permitted. The apparatus may only be used within a building, aircraft or any other enclosed space with	5250- 5350 MHz	Maximum mean e.i.r.p of 200 mW and maximum mean e.i.r.p density of 10 mW/MHz in			Techniques to access spectrum and mitigate interference, including Dynamic Frequency Selection (DFS) and Transmit	EN 301 893

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		attenuation characteristics at least as strong as those of either a building or an aircraft, and only to establish a connection with a station or apparatus within the same building or aircraft or other enclosed space.		any 1 MHz band.			Power Control, that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	
30/8/2	Wireless Access Systems (WAS)	Aeronautical Mobile use is not permitted. The apparatus may also be used airborne within an aircraft, only to establish a connection with a station or	5470 - 5730 MHz	1 W mean e.i.r.p. / 50 mW/MHz mean e.i.r.p.			Techniques to access spectrum and mitigate interference, including Dynamic Frequency Selection (DFS) and Transmit Power Control, that provide at	Where the band 5470 – 5725 MHz is used, Dynamic Frequency Selection and Transmit Power Control are assumed to be

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
		apparatus within the same aircraft.					least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	implemented as specified in EN 301 893 Where the band 5725 – 5730 MHz is used see footnote 1 for information

[1] Although a matter for users to determine, if Dynamic Frequency Selection and Transmit Power Control are implemented as elements of the techniques to access spectrum and mitigate interference referred to under 'Channel access and occupation rules', one possible approach may be to apply Dynamic Frequency Selection and Transmit Power Control as specified in EN301 893 (applied to this band in the same way as applied to the 5150 – 5350 and 5470 – 5725 bands) and Dynamic Frequency Selection detection radar test signals as specified in EN 302 502 (as applied to WAS equipment).

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/8/3	Wireless Access Systems (WAS)	Equipment must not form part of a fixed outdoors installation when operating in 5730 – 5850 MHz. Airborne use is not permitted except within an aircraft to establish a connection with a station or apparatus within the same aircraft.	5725 – 5850 MHz	Maximum mean e.i.r.p of 200 mW and maximum mean e.i.r.p density of 10 mW/MHz in any 1 MHz band.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) for the 5150 – 5250 MHz band must be used.	

IR2030/7/6	Wireless Access Systems (WAS)	Equipment must not form part of a fixed outdoors installation Airborne use is not permitted. Low Power Indoor apparatus may only be used within a building or within an aircraft or any other enclosed space, having attenuation characteristics at least equivalent to those of a building or an aircraft, to establish a connection with stations or apparatus within the same building or aircraft or other enclosed space for communications purposes.	5925 – ~~6425~~ 6585 MHz	Maximum mean EIRP of 250mW for Low Power indoor and 25mW for Very Low Power indoor and mobile outdoor. Maximum mean EIRP density of 12.6mW/ MHz in any 1 MHz band.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) for the 5150 – 5250 MHz band must be used.	
IR2030/9/1	Short Range Indoor Data Links	Music and speech are only permitted when using a digitised signal. Airborne use is not permitted.	2445 – 2455 MHz	100 mW e.i.r.p.				EN 300 440

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/9/2	Short Range Indoor Data Links	Music and speech are only permitted when using a digitised signal. Airborne use is not permitted.	5725 – 5875 MHz	25 mW e.i.r.p.				EN 300 440
IR2030/9/3	Short Range Indoor Data Links	This frequency band is no longer available. However, equipment that was put into service before 30 December 2014 may continue to operate within the band. Music and speech are only permitted when using a digitised signal.	10.675 – 10.699 GHz	1 W e.i.r.p.				EN 300 440

FOR INFORMATION ONLY: We have included below the technical parameters for Wi-Fi devices controlled by an AFC database. The full technical conditions will be set out in the Wireless Telegraphy (Dynamic Spectrum Access Devices) (Exemption) Regulations 2026 **which we expect to make in autumn 2026. For the avoidance of doubt the table below does not form part of IR 2030**

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
xxx	Wireless Access Systems (WAS)	This set of conditions is only available to equipment under the control of a Dynamic Spectrum Access Service. Airborne, maritime and vehicular use is not permitted. A Standard Power Access Point or Fixed Client Device must operate only from a fixed location. A mobile client device must be under the control of a Standard	5925 – 7125 MHz	Standard Power Access Point: Maximum mean EIRP of 4W for fixed indoor and outdoor. Maximum mean EIRP density of 200mW/MHz in any 1 MHz band.			Automated Frequency Coordination (AFC) is a type of Dynamic Spectrum Access Service that will authorise maximum mean EIRPs and frequencies for devices. Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See	
				Fixed Client Device: Maximum mean EIRP of 4W for fixed indoor and outdoor. Maximum mean EIRP density of 200mW/MHz in any 1 MHz band.				
				Mobile Client Device: Maximum mean EIRP of 1W. Maximum mean EIRP density of 50mW/MHz in any 1 MHz band.	Mobile client devices operating under the control of a Standard Power Access Point must limit their maximum			

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
		Power Access Point and is not permitted to initiate a network or connect directly to another client device.			mean EIRP to 6dB less than their associated Standard Power Access Point's maximum mean EIRP, as authorised by the Dynamic Spectrum Access Service.		section 4 of IR2030) for the 5150 – 5250 MHz band must be used.	

Table 3.6 Railway Applications

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/10/2	Railway Applications	Airborne use is not permitted.	516 – 8516 kHz	7 dBµA/m at 10 m		Centre Frequency 4516 kHz		EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/10/4	Railway Applications	Airborne use is not permitted.	27.09 – 27.10 MHz	42 dBµA/m at 10 m 5 dBµA/m at 10 m -1 dBµA/m at 10 m	Fo ± < 5 kHz Fo ±5 to 200 kHz Fo ±5 to 500 kHz	Centre Frequency (Fo) 27.095 MHz		EN 300 330 EN 302 608
IR2030/10/5	Railway Applications	Airborne use is not permitted.	2446 - 2454 MHz	500 mW e.i.r.p.		Channel Bandwidth ≤ 1.5 MHz		EN 300 761

Table 3.7 Location devices

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/11/1	Devices for locating victims in distress or at risk	This frequency band is no longer available. However, existing Avalanche Victim detection equipment may continue to operate within the band.	2275 Hz	42 dBµA/m at 10 m				
IR2030/11/2	Devices for locating victims in distress or at risk	Airborne use is not permitted.	456.9 - 457.1 kHz	7 dBµA/m at 10 m				EN 300 718
IR2030/12/1	Radio determination	This frequency band is no longer available. However, equipmentthat was put into service before 31	888.0 - 889.0 MHz	500 mW e.r.p.		Channel Spacing 25 kHz		

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		December 2003 maycontinue to operate within the band.						
IR2030/12/2	Radio determination	Equipment may be used airborne.	2400 – 2483.5 MHz	25 mW e.i.r.p.				EN 300 440
IR2030/12/3 June 2014	Radio determination	Airborne use is not permitted.	2445 - 2455 MHz	100 mW e.i.r.p.				EN 300 440
IR2030/12/4	Radio determination	Equipment may be used airborne.	5725 – 5875 MHz	25 mW e.i.r.p.				EN 300 440
IR2030/12/12	Radio determination	Equipment may be used airborne. This set of usage conditions is only available to Tank Level Probing Radar(TLPR). Equipment must be within a closed tank, which is intended to contain substances andwhich is	4.5 – 7.0 GHz	24 dBm e.i.r.p.	Equipment must onlyemit emissions whichwould (if the equipment were used within an enclosed tank, whichhas the specifications set out in Annex E of ETSI			EN 302 372

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		constructed of metal or reinforced concrete; or any other material that provides an equivalent level of attenuation to radio frequencies as metal or reinforced concrete.			standard EN 302372-1), when measured in any direction, have a maximum e.i.r.p. density of -41.3 dBm/MHz.			
IR2030/12/17	Radio determination	Equipment may be used airborne. This set of usage conditions is only available to Level Probing Radar. Established exclusionzones around radio astronomy (RAS) site Jodrell Bank must be obeyed. (53°14'10"N, 02°18'26" W)	6.0 - 8.5 GHz	7 dBm/50 MHz peak e.i.r.p. / - 33 dBm/MHz meane.i.r.p.			Automatic power control and antenna requirementsas well as equivalent techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques	EN 302 729 Exclusion zones defined in the EN 302 729; Emissions are prohibited within 4 km radius of RAS sites. The

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							described in designated standards specified in the Notices of publication (See Section 4) must be used.	antenna heightshall be less than 15m within 40 km
IR2030/12/13	Radio determination	Equipment may be used airborne. This set of usage conditions is only available to Tank Level Probing Radar(TLPR). Equipment must be within a closed tank, which is intended to contain substances andwhich is constructed of metal or reinforced concrete; or any	8.5 – 10.6 GHz	30 dBm e.i.r.p.	Equipment must onlyemit emissions whichwould (if the equipment were used within a closed tank, which has the specifications set outin Annex E of ETSI standard EN 302 372-1), when measured in anydirection,			EN 302 372

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		other material that provides an equivalent level of attenuation to radio frequencies as metal or reinforced concrete.			have a maximum e.i.r.p.density of -41.3 dBm/MHz.			
IR2030/12/5	Radio determination	Airborne use is not permitted.	10.575 - 10.600 GHz	1 W e.i.r.p.				EN 300 440
IR2030/12/6	Radio determination	Applications are forindoor use only. This frequency band is no longer available. However, equipmentthat was put into service before 30 December 2014 maycontinue to operate within the band.	10.675 - 10.699 GHz	1 W e.i.r.p.				EN 300 440

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/12/7	Radio determination	Airborne use is not permitted.	13.4 - 14.0 GHz	500 mW e.i.r.p.				EN 300 440
IR2030/12/8	Radio determination	Equipment must form part of a ground-based radio determination system. Airborne use is not permitted.	17.1 – 17.3 GHz	26 dBm e.i.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	EN 300 440
IR2030/12/9	Radio determination	Airborne use is not permitted.	24.050 – 24.150 GHz	100 mW e.i.r.p.			Minimum sweep rate 2MHz/mS	EN 300 440
IR2030/12/18	Radio determination	This set of usage conditions is only available to Level	24.05 - 26.5 GHz	26 dBm/50 MHz peak			Automatic power control and antenna	EN 302 729 Exclusion

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		Probing Radar. Established exclusionzones around radio astronomy (RAS) sitemust be obeyed. **Cambridge** (52°09'59" N, 00°02'20" E) **Darnhall** (53°09'22"N, 02°32'03" W) **Jodrell Bank** (53°14'10" N, 02°18'26" W) **Knockin** (52°47'24"N, 02°59'45" W) **Pickmere** (53°17'18"N, 02°26'38" W) Equipment may be used airborne.		e.i.r.p. /- 14 dBm/MHz mean e.i.r.p.			requirementsas well as equivalent techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	zones defined in the EN 302 729; Emissions are prohibited within 4 km radius of RAS sites. The antenna heightshall be less than 15m within 40 km radius of RASsites.

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/12/14	Radio determination	This set of usage conditions is only available to Tank Level Probing Radar(TLPR). Equipment must be within a closed tank, which is intended to contain substances andwhich is constructed of metal or reinforced concrete; or any other material that provides an equivalent level of attenuation to radio frequencies as metal or reinforced concrete. Equipment may be used airborne	24.05 – 27.0 GHz	43 dBm e.i.r.p.	Equipment must onlyemit emissions whichwould (if the equipment were used within a closed tank, which has the specifications set outin Annex E of ETSI standard EN 302 372-1), when measured in any direction, have a maximum e.i.r.p.density of -41.3 dBm/MHz.			EN 302 372

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/12/10	Radio determination	Airborne use is not permitted.	24.150 - 24.250 GHz	2 W e.i.r.p.				EN 300 440
IR2030/12/11	Radio determination	Applications are for use in mobile applications only, fixed installations arenot permitted. Airborne use is not permitted.	24.250 - 24.350 GHz	2 W e.i.r.p.				EN 300 440
IR2030/12/15	Radio determination	This set of usage conditions is only available to Tank Level Probing Radar(TLPR). Equipment must be within a closed tank, which is intended to contain substances and which is constructed of metal or reinforced concrete; or any other material that	57 - 64 GHz	43 dBm e.i.r.p.	Equipment must onlyemit emissions whichwould (if the equipment were used within a closed tank, which has the specifications set outin Annex E of ETSI standard EN 302 372-1), when			EN 302 372

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		provides an equivalent level of attenuation to radio frequencies as metal or reinforced concrete. Equipment may be used airborne.			measured in anydirection, have a maximum e.i.r.p.density of -41.3 dBm/MHz.			
IR2030/12/19	Radio determination	This set of usage conditions is only available to Level Probing Radar. Equipment may be used airborne	57 - 64 GHz	35 dBm/50 MHz peak e.i.r.p. / - 2 dBm/MHz mean e.i.r.p.			Automatic power control and antenna requirementsas well as equivalent techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated	EN 302 729

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							standards specified in the Notices of publication (See Section 4) must be used.	
IR2030/12/21	Radio determination	This set of usage conditions is only available to security scanners operated indoors	69.8-79.9 GHz	7dBm peak e.i.r.p.				
IR2030/12/22	Radio determination	This set of usage conditions is only available to security scanners operated indoors	69.8-79.9 GHz	19dBm peak e.i.r.p.	(at least 23 dB out-of-band attenuation relative to the maximum allowed peak e.i.r.p is required)			
IR2030/12/16	Radio determination	This set of usage conditions is only available to Tank Level Probing	75 - 85 GHz	43 dBm e.i.r.p.	Equipment must onlyemit emissions whichwould (if			EN 302 372

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		Radar(TLPR). Equipment must be within a closed tank, which is intended to contain substances andwhich is constructed of metal or reinforced concrete; or any other material that provides an equivalent level of attenuation to radio frequencies as metal or reinforced concrete. Equipment may be used airborne.			the equipment were used within a closed tank, which has the specifications set outin Annex E of ETSI standard EN 302 372-1), when measured in anydirection, have a maximum e.i.r.p.density of -41.3 dBm/MHz.			
IR2030/12/20	Radio determination	This set of usage conditions is only available to Level Probing Radar. Equipment may be	75 - 85 GHz	34 dBm/50 MHz peak e.i.r.p./ 3 dBm/MHz mean e.i.r.p.			Automatic power control and antenna requirementsas well as	EN 302 729

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		used airborne.					equivalent techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	

Table 3.8 Radio Frequency Identification (RFID)

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/12/10	Radio Frequency Identification (RFID)		400-600 kHz	-8 dBµA/m at 10 metres in any bandwidth of 10 kHz. The total field strength is -5 dBµA/m at 10 metres for systems operating at bandwidths larger than 10 kHz.		Bandwidth ≥ 30 kHz		
IR2030/13/1	Radio Frequency Identification (RFID)	Equipment may be used airborne.	13.553 - 13.567 MHz	60 dBµA/m at 10 m				EN300 330 EN 302 291
IR2030/13/2	Radio Frequency	Equipment may be used airborne.	865 – 865.6 MHz	100 mW e.r.p.		Channel spacing 200kHz. Channel numbers 1 to3.		EN302 208

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
	Identification (RFID)					Channel centre frequencies are 864.9 MHz plus (0.2 MHz times channel number.		
IR2030/13/3	Radio Frequency Identification (RFID)	Equipment may be used airborne.	865.6 – 867.6 MHz	2W e.r.p.		Channel spacing 200kHz. Channel numbers 4 to13. Channel centre frequencies are 864.9 MHz plus (0.2 MHz times channel number.		EN302 208
IR2030/13/4	Radio Frequency Identification (RFID)	Equipment may be used airborne.	867.6 – 868 MHz	500 mW e.r.p.		Channel spacing 200kHz. Channel numbers 14 to15. Channel centre frequencies are 864.9 MHz plus (0.2 MHz times channel number.		IR2030/13/45
IR2030/13/9	Radio Frequency	Airborne use is not permitted.	916.1 - 918.9 MHz	4W e.r.p.	Interrogator transmissions at	≤ 400 kHz	Techniques to access spectrum	IR2030/13/9

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
	Identification (RFID)				4 W e.r.p. only permitted at the centre frequencies: 916.3 MHz; 917.5 MHz; and 918.7 MHz the band 915.3 - 920.9 MHz.		and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	
IR2030/13/5	Radio Frequency Identification (RFID)	Equipment may be used airborne.	2446 – 2454 MHz	500 mW e.i.r.p.				EN 300 440
IR2030/13/6	Radio Frequency Identification (RFID)	Equipment is restricted to indoor use only.	2446 – 2454 MHz	4 W e.i.r.p.	For enforcement purposes, any emission shall not exceed 500 mW		For applications with radiated powers greater than 500 mW, a duty cycle limit of < 15% with a	EN 300 440

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
					when measured 10 metres from either the installed building or boundary of the operator's premises.		maximum transmit power on time of 30 milliseconds is required.	

Table 3.9 Transport and Traffic Telematics (TTT)

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
IR2030/14/18	Transport and Traffic Telematics	Railway Applications Airborne use is not permitted.	984 - 7484 kHz	9 dBµA/m		Center Frequency 4234 kHz		EN 300 330 EN 302 608

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/14/19	Transport and Traffic Telematics	Railway Applications Airborne use is not permitted.	7.3 - 23 MHz	-7 dBuA/m at 10 m		Center Frequency 13.547 MHz		EN 302 609
IR2030/14/11	Transport and Traffic Telematics	Vehicle-to-vehicle applications only Airborne use is not permitted.	870 - 873 MHz	500 mW e.r.p		≤ 500 kHz	Duty cycle limit ≤ 0.1% Adaptive Power Control (APC) is required. The APC is able to reduce a link's transmit power from its maximum to ≤ 5 mW.	EN 300 220
IR2030/14/13	Transport and Traffic Telematics	In-vehicle applications only Airborne use is not permitted.	870 - 873 MHz	100 mW e.r.p.		≤ 500 kHz	Duty cycle limit ≤ 0.1% Adaptive Power Control (APC) is required. The APC is able to reduce a link's	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							transmit power from its maximum to ≤ 5 mW.	
IR2030/14/12	Transport and Traffic Telematics	Vehicle-to-vehicle applications only Airborne use is not permitted.	873 - 875.8 MHz	500 mW e.r.p		≤ 500 kHz	Duty cycle limit ≤ 0.01% and limited to a maximum transmit on-time of 5ms/1s. Adaptive Power Control (APC) is required. The APC is able to reduce a link's transmit power from its maximum to ≤ 5 mW.	EN 300 220
IR2030/14/14	Transport and Traffic Telematics	In-vehicle applications only Airborne use is not permitted.	873 - 875.8 MHz	100 mW e.r.p.		≤ 500 kHz	Duty cycle limit ≤ 0.01% and limited to a maximum transmit on-time of 5ms/1s.	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							Adaptive Power Control (APC) is required. The APC is able to reduce a link's transmit power from its maximum to ≤ 5 mW.	
IR2030/14/1	Transport and Traffic Telematics	For Road Tolling or the provision of short range data links which respond to a signal initiated by a network operator Airborne use is not permitted.	5795 - 5815 MHz	2 W e.i.r.p.				EN 300 674 ES 200 674
IR2030/14/2	Transport and Traffic Telematics	Use by Smart tachograph, weight and dimension applications for the provision of	5805 - 5815 MHz	2 W e.i.r.p.				EN 300 674 ES 200 674

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		short range data links which respond to an initiated signal.						
IR2030/14/3	Transport and Traffic Telematics	For the provision of short range data links which respond to a signal initiated by a private system used and operated by the owner or persons authorised by the owner. Airborne use is not permitted.	5805 - 5815 MHz	2 W e.i.r.p.				EN 300 440
IR2030/14/20	Transport and Traffic Telematics	Airborne use is not permitted.	5855 – 5865 MHz	33 dBm e.i.r.p, 23 dBm/MHz			Techniques to access spectrum and mitigate interference that	

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
				e.i.r.p. density and Transmitter Power Control (TPC) able to reduce the total power from its maximum to 3 dBm e.i.r.p.			provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used.	
IR2030/14/21	Transport and Traffic Telematics	Airborne use is not permitted.	5865 – 5875 MHz	33 dBm e.i.r.p, 23 dBm/MHz e.i.r.p. density and Transmitter Power Control (TPC) able to reduce the total power from its			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of	

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
				maximum to 3 dBm e.i.r.p.			publication (See Section 4) must be used.	
IR2030/14/4	Transport and Traffic Telematics	Airborne use is not permitted.	24.050 - 24.075 GHz	100 mW e.i.r.p.				EN 302 858
IR2030/14/5	Transport and Traffic Telematics	Airborne use is not permitted.	24.075 - 24.150 GHz	0.1 mW e.i.r.p.				EN 302 858
IR2030/14/6	Transport and Traffic Telematics	For vehicle radar only. Airborne use is not permitted.	24.075 - 24.150 GHz	100 mW e.i.r.p.			4µs/40kHz dwell time every 3ms The spectrum access and mitigation requirement is given for devices mounted behind a bumper. If mounted without a bumper, the requirement is 3µs/40kHz maximum dwell time every 3ms.	EN 302 858-1 V1.2.1

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							A requirement for minimum frequency modulation range (applicable to FMCW or step frequency signals) or minimum instantaneous bandwidth (applicable to pulsed signal) of 250 kHz applies in addition to the requirement on maximum dwell time.	
IR2030/14/7	Transport and Traffic Telematics	For vehicle radar only. Airborne use is not permitted.	24.075 - 24.150 GHz	100 mW e.i.r.p.			1ms/40kHz dwell time every 40ms. The spectrum access and mitigation requirement is	EN 302 858-1 V 1.2.1

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							given for devices mounted either behind a bumper or mounted without a bumper. A requirement for minimum frequency modulation range (applicable to FMCW or step frequency signals) or minimum instantaneous bandwidth (applicable to pulsed signal) of 250 kHz applies in addition to the requirement on maximum dwell time.	

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/14/8	Transport and Traffic Telematics	Airborne use is not permitted.	24.150 - 24.250 GHz	100 mW e.i.r.p				EN 302 858
IR2030/14/15	Transport and Traffic Telematics	This set of usage conditions is only available to ground- based vehicle radars operating in the harmonised 24 GHz frequency range. Airborne use is not permitted.	24.25 – 24.495 GHz	- 11 dBm e.i.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Duty cycle limits and frequency modulation ranges apply as specified in EN 302 858-1 v1.3.1.	EN 302 858

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/14/16	Transport and Traffic Telematics	This set of usage conditions is only available to ground- based vehicle radars operating in the harmonised 24 GHz frequency range. Airborne use is not permitted.	24.25 - 24.5 GHz	20 dBm e.i.r.p. (forward-facing radars) 16 dBm e.i.r.p. (rear-facing radars)			Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Duty cycle limits and frequency modulation ranges apply as specified in EN 302 858-1 v1.3.1.	EN 302 858
IR2030/14/17	Transport and Traffic Telematics	This set of usage conditions is only available to ground- based	24.495 - 24.5 GHz	- 8 dBm e.i.r.p.			Techniques to access spectrum and mitigate interference that	EN 302 858

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
		vehicle radars operating in the harmonised 24 GHz frequency range. Airborne use is not permitted.					provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 4) must be used. Duty cycle limits and frequency modulation ranges apply as specified in EN 302 858-1 v1..	
IR2030/14/10	Transport and Traffic Telematics	No new deployments permitted. Devices placed on the market equipment before 1 January 2020 may continue to	63 - 64 GHz	40 dBm e.i.r.p.				EN 302 686

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		operate within the band. Airborne use is not permitted.						
IR2030/14/22	Transport and Traffic Telematics	This set of usage conditions is only available to vehicle- to-vehicle, vehicle- to-infrastructure and infrastructure-to-vehicle systems. Airborne use is not permitted.	63.72 – 65.88 GHz	40 dBm e.i.r.p.				
IR2030/14/9	Transport and Traffic Telematics	This set of usage conditions applies to terrestrial vehicle and infrastructure systems only. Fixed infrastructure radars have to be of a scanning nature in order to	76 - 77 GHz	55 dBm peak e.i.r.p. and 50 dBm mean e.i.r.p. and 23.5 dBm mean e.i.r.p. for pulsed radars				EN 301 091

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		limit the illumination time and ensure a minimum silent time to achieve coexistence with automotive radar systems. Airborne use is not permitted.						
IR2030/14/23	Transport and Traffic Telematics	Only available for obstacle detection systems for crewed rotorcraft use.	76-77 GHz	30 dBm peak e.i.r.p. 3 dBm/MHz average e.i.r.p. density			≤ 56%/s duty cycle	EN 303 360

Table 3.10 Inductive

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/15/1	Inductive	Equipment may be used airborne	9 - 59.75 kHz	72 dBµA/m at 10 m				EN 300 330
IR2030/15/2	Inductive	Equipment may be used airborne	59.75 - 60.25 kHz	48 dBµA/m at 10 m				EN 300 330
IR2030/15/3	Inductive	Equipment may be used airborne	60.25 - 90 kHz	72 dBµA/m at 10 m				EN 300 330
IR2030/15/4	Inductive	Equipment may be used airborne	90 - 119 kHz	48 dBµA/m at 10 m				EN 300 330
IR2030/15/5	Inductive	Equipment may be used airborne	119 - 127 kHz	66 dBµA/m at 10 m				EN 300 330
IR2030/15/6	Inductive	Equipment may be used airborne	127 - 135 kHz	66 dBµA/m at 10 m				EN 300 330
IR2030/15/7	Inductive	Equipment may be used airborne	135 - 148.5 kHz	48 dBµA/m at 10 m				EN 300 330
IR2030/15/8	Inductive	Airborne use is not permitted.	148.5 - 185 kHz	48 dBµA/m at 10 m				EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/15/10	Inductive	That part of an induction system designed or adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within the magnetic field. Airborne use is not permitted.	148.5 - 1600 kHz	-5 dBµA/m at 10 m	Only when the device is submerged in water, the power may be increased to 40 dBµA/m at 10 m (measured underwater), provided that emissions above water are restricted to the transmit power limit of -5 dBµA/m at 10 m		The MoD operates high-power underwater communication systems. Users and manufacturers of underwater SRD equipment should be aware that this equipment should be constructed so as to operate safely in the presence of high-power systems.	EN 300 330.
IR2030/15/9	Inductive	Equipment may be used airborne	148.5 - 5000 kHz	-15 dBµA/m at 10 m in any bandwidth of 10 kHz. -5 dBµA/m at 10 m for				EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
				systems operating at bandwidths larger than 10 kHz.				
IR2030/15/11	Inductive	That part of an induction system designed or adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within the magnetic field Airborne use is not permitted.	240 - 315 kHz	24 dBµA/m at 10 m				EN 300 330
IR2030/15/12	Inductive	Equipment may be used airborne Any inductive device may be	400 - 600 kHz	-5 dBµA/m at 10 m				EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		used, including RFID.						
IR2030/15/13	Inductive	Airborne use is not permitted.	1600 - 2000 kHz	-15 dBµA/m at 10 m in any bandwidth of 10 kHz. -5 dBµA/m at 10 m for systems operating at bandwidths larger than 10 kHz.	Only when the device is submerged in water, the power may be increased to 40 dBµA/m at 10 m (measured underwater), provided that emissions above water are restricted to the transmit power limit of - 15 dBµA/m at 10 m		The MoD operates high-power underwater communication systems. Users and manufacturers of underwater SRD equipment should be aware that this equipment should be constructed so as to operate safely in the presence of high-power systems.	EN 300 330
IR2030/15/14	Inductive	That part of an induction system designed or	2 - 3.155 MHz	9 dBµA/m at 10 m	Only when the device is submerged in		The MoD operates high-power	EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within the magnetic field. Airborne use is not permitted.			water, the power may be increased to 40 dBµA/m at 10 m (measured underwater), provided that emissions above water are restricted to the transmit power limit of 9 dBµA/m at 10 m.		underwater communication systems. Users and manufacturers of underwater SRD equipment should be aware that this equipment should be constructed so as to operate safely in the presence of high-power systems	
IR2030/15/15	Inductive	Equipment may be used airborne.	3.155 - 3.400 MHz	13.5 dBµA/m at 10 m				EN 300 330
IR2030/15/16	Inductive	That part of an induction system designed or adapted to produce a controlled magnetic field;	3.155 - 3.400 MHz	13.5 dBµA/m at 10 m	Only when the device is submerged in water, the power may be increased to 40		The MoD operates high-power underwater communication systems. Users	EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmit power / Power spectral density / Field strength	Channelling	Channel access and occupation rules	Informative Reference
		and a predetermined recognisable signal when operating within the magnetic field. Airborne use is not permitted.			dBµA/m at 10 m (measured underwater), provided that emissions above water are restricted to the transmit power limit of 13.5 dBµA/m at 10 m.		and manufacturers of underwater SRD equipment should be aware that this equipment should be constructed so as to operate safely in the presence of high-power systems	
IR2030/15/17	Inductive	That part of an induction system designed or adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within the magnetic field.	3.400 - 6.765 MHz	9 dBµA/m at 10 m	Only when the device is submerged in water, the power may be increased to 40 dBµA/m at 10 m (measured underwater), provided that emissions above water		The MoD operates high-power underwater communication systems. Users and manufacturers of underwater SRD equipment should be aware that this	EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		Airborne use is not permitted.			are restricted to the transmit power limit of 9 dBµA/m at 10 m		equipment should be constructed so as to operate safely in the presence of high-power systems	
IR2030/15/18	Inductive	Equipment may be used airborne.	5 – 30 MHz	-20 dBµA/m at 10 m in any bandwidth of 10 kHz. Total field strength -5 dBµA/m at 10 m for systems operating at bandwidths larger than 10 kHz.				EN 300 330
IR2030/15/20	Inductive	Equipment may be used airborne	6.765 - 6.795 MHz	42 dBµA/m at 10 m				EN 300 330
IR2030/15/21	Inductive	That part of an induction system designed or	6.795 - 13.533 MHz	9 dBµA/m at 10 m	Only when the device is		The MoD operates high-	EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within the magnetic field. Airborne use is not permitted.		40 dBµA/m at 10 m (measured underwater), provided that emissions above water are restricted to the transmit power limit of 9 dBµA/m at 10 m.	submerged in water, the power may be increased to		power underwater communication systems. Users and manufacturers of underwater SRD equipment should be aware that this equipment should be constructed so as to operate safely in the presence of high-power systems	
IR2030/15/22	Inductive	Equipment may be used airborne.	7.400 – 8.800 MHz	9 dBµA/m at 10 m				EN 300 330
IR2030/15/25	Inductive	Equipment may be used airborne.	10.200 – 11.000 MHz	9 dBµA/m at 10 m				EN 300 330
IR2030/15/28	Inductive	That part of an induction system	13.533 - 13.553	21.5 dBµA/m at 10 m	Only when the device is		The MoD operates high-	EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		designed or adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within the magnetic field. Airborne use is not permitted.	MHz		submerged in water, the power may be increased to 40 dBµA/m at 10 m (measured underwater), provided that emissions above water are restricted to the transmit power limit of 9 dBµA/m at 10 m		power underwater communication systems. Users and manufacturers of underwater SRD equipment should be aware that this equipment should be constructed so as to operate safely in the presence of high-power systems	
IR2030/15/29	Inductive	Equipment may be used airborne	13.553 - 13.567 MHz	42 dBµA/m at 10 m	The transmit power may be increased to 60 dBµA/m at 10 m for Radio Frequency Identification and Electronic			EN 300 330 EN 302 291

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
					Article Surveillance applications.			
IR2030/15/33	Inductive		13.553 – 13.567 MHz	42 dBµA/m at 10 metres	Transmission mask and antenna requirements for all combined frequency segments apply. The transmit power may be increased to 60 dBµA/m at 10 m for Radio Frequency Identification and Electronic Article Surveillance applications		Antenna requirement and Transmission mask must comply with the essential requirements of UK SI 2017/1206.	

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/15/30	Inductive	That part of an induction system designed or adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within the magnetic field. Airborne use is not permitted.	13.567 - 26.957 MHz	9 dBµA/m at 10 m	Only when the device is submerged in water, the power may be increased to 40 dBµA/m at 10 m (measured underwater), provided that emissions above water are restricted to the transmit power limit of 9 dBµA/m at 10 m		The MoD operates high-power underwater communication systems. Users and manufacturers of underwater SRD equipment should be aware that this equipment should be constructed so as to operate safely in the presence of high-power systems	EN 300 330
IR2030/15/31	Inductive	Equipment may be used airborne.	26.957 - 27.283 MHz	42 dBµA/m at 10 m				EN 300 330
IR2030/15/32	Inductive	That part of an induction system designed or	27.283 - 30 MHz	9 dBµA/m at 10 m	Only when the device is submerged in		The MoD operates high-power	EN 300 330

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within the magnetic field. Airborne use is not permitted.			water, the power may be increased to 40 dBµA/m at 10 m (measured underwater), provided that emissions above water are restricted to the transmit power limit of 9 dBµA/m at 10 m.		underwater communication systems. Users and manufacturers of underwater SRD equipment should be aware that this equipment should be constructed so as to operate safely in the presence of high-power systems	

Table 3.11 Metal detectors

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/16/1	Metal Detectors	That part of an induction system designed or adapted to produce a controlled magnetic field; and a predetermined recognisable signal when operating within that magnetic field Airborne use is not permitted.	9 - 148.5 kHz	70 dBµA/m at 6 m				EN 300 330

Table 3.12 Alarm devices

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/18/1	Social Alarms for the Elderly and Infirm	Airborne use is not permitted.	27.450MHz	500 mW e.r.p.		Channel bandwidth 12.5 kHz		EN 300 220 / EN 303 406
IR2030/18/2	Social Alarms for the Elderly and Infirm	Airborne use is not permitted.	34.925 MHz	500 mW e.r.p.		Channel bandwidth 12.5 kHz		EN 300 220 / EN 303 406
IR2030/18/3	Social Alarms forthe Elderly and Infirm	Airborne use is not permitted.	34.950 MHz	500 mW e.r.p.		Channel bandwidth 12.5 kHz		EN 300 220
IR2030/18/4	Social Alarms forthe Elderly and Infirm	Airborne use is not permitted.	34.975 MHz	500 mW e.r.p.		Channel bandwidth 12.5 kHz		EN 300 220 / EN 303 406
IR2030/19/1	Vehicle Paging Alarms	Airborne use is not permitted.	47.4 MHz	100 mW e.r.p.		Channel spacing 12.5kHz		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/20/1	General Alarms Associated with Marine Applications Including Fixed Shore Installations.	Including use on land for the storage or transportation of vessels. Airborne use is not permitted.	161.275 MHz	10 mW e.r.p.		Channel spacing 12.5 kHz		EN 300 220
IR2030/18/5	Social Alarms	Equipment may be used airborne.	169.4750 – 169.4875 MHz	500 mW e.r.p.		Channel spacing 12.5kHz		EN 300 220 / EN 303 406
IR2030/18/6	Social Alarms	Equipment may be used airborne.	169.5875 – 169.600 MHz	500 mW e.r.p.		Channel spacing 12.5kHz		EN 300 220 / EN 303 406
IR2030/21/1	Mobile, Transportable and Lone WorkerSafety Alarms.	Airborne use is not permitted.	173.1875 MHz	10 mW e.r.p.		Channel spacing 12.5kHz		EN 300 220
IR2030/22/1	Fixed Alarms	Airborne use is not permitted.	173.225 MHz	10 mW e.r.p.		Channel spacing 12.5kHz		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/22/2	Fixed Alarms	Airborne use is not permitted.	173.225 MHz	10 mW e.r.p.		Channel spacing 25kHz		EN 300 220
IR2030/22/3	Fixed Alarms	Airborne use is not permitted.	458.825 MHz	100 mW e.r.p.		Channel spacing 12.5kHz		EN 300 220
IR2030/21/2	Mobile, Transportable and Lone WorkerSafety Alarms.	Airborne use is not permitted.	458.8375 MHz	100 mW e.r.p.		Channel spacing 12.5kHz		EN 300 220
IR2030/19/2	Vehicle Paging Alarms	Airborne use is not permitted.	458.90 MHz	100 mW e.r.p.	Equipment may also be used to arm or disarm the alarm system at a radiated level not exceeding 1 mW.	Channel spacing 12.5kHz		EN 300 220
IR2030/17/1	Reliable alarm devices	This set of usage conditions is for alarm systems. Equipment may be used airborne.	868.60 – 868.70 MHz	10 mW e.r.p.		Channel spacing ≤25 kHz. Consecutive channels may be combined where	Duty cycle limit ≤1%	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
						a larger bandwidth is required, due to the modulation of the signal, up to the maximum sub-band frequency allocation.		
IR2030/17/5	Reliable alarm devices	This set of usage conditions is for social alarm systems. Equipment may be used airborne.	869.2 - 869.25 MHz	10 mW e.r.p.		Channel spacing 25 kHz	Duty cycle limit 0.1%	EN 300 220 / EN 303 406
IR2030/17/2	Reliable alarm devices	Equipment may be used airborne. This set of usage conditions is for alarm systems. Airborne use is not permitted.	869.25 – 869.30 MHz	10 mW e.r.p.		Channel spacing ≤25 kHz	Duty cycle limit ≤0.1%	EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/17/3	Reliable alarm devices	Equipment may be used airborne. This set of usage conditions is for alarm systems. Airborne use is not permitted.	869.3 – 869.4 MHz	10 mW e.r.p.		Channel spacing ≤25 kHz	Duty cycle limit ≤1%	EN 300 220
IR2030/17/4	Reliable alarm devices	Equipment may be used airborne. This set of usage conditions is for alarm systems.	869.65 – 869.70 MHz	25 mW e.r.p.		Channel spacing ≤25 kHz	Duty cycle limit ≤10%	EN 300 220

Table 3.13 Model Control

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/23/1	Model Control	The transmitting equipment may be used airborne in the following frequency bands: 26.990 - 27.000 MHz (Channel 4) 27.040 - 27.050 MHz (Channel 9) 27.090 - 27.100 MHz (Channel 14) 27.140 - 27.150 MHz (Channel 19) 27.190 – 27.200 kHz (Channel 24)	26.96 - 27.28 MHz	100 mW e.r.p		Channel spacing 10 kHz Channel numbers 1 to 32 inclusive are available with channel centre frequency of 26.955 MHz plus (Channel spacing times channel number).		EN 300 220 Non-specific SRD limits are set out in IR2030/1/40
IR2030/23/2	Model Control	For telecommand to control the movement of airborne models only	34.945 - 35.305 MHz	100 mW e.r.p		Channel spacing 10 kHz. Channel numbers 1 to 36 inclusive are available with channel centre frequency of		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
						34.94 MHz plus (Channel Spacing times channel number).		
IR2030/23/1	Model Control	The transmitting equipment may be used airborne in the following frequency bands: 26.990 - 27.000 MHz (Channel 4) 27.040 - 27.050 MHz (Channel 9) 27.090 - 27.100 MHz (Channel 14) 27.140 - 27.150 MHz (Channel 19) 27.190 – 27.200 kHz (Channel 24)	26.96 - 27.28 MHz	100 mW e.r.p		Channel spacing 10 kHz Channel numbers 1 to 32 inclusive are available with channel centre frequency of 26.955 MHz plus (Channel spacing times channel number).		EN 300 220 Non-specific SRD limits are set out in IR2030/1/40
IR2030/23/2	Model Control	For telecommand to control the movement of	34.945 - 35.305 MHz	100 mW e.r.p		Channel spacing 10 kHz. Channel numbers 1 to 36 inclusive are available with		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		airborne models only				channel centre frequency of 34.94 MHz plus (Channel Spacing times channel number).		
IR2030/23/3	Model Control	For telecommand to control the movement of models on the ground, on water or under the water. Airborne use is not permitted.	40.66 - 41.00 MHz	100 mW e.r.p		Channel spacing 10 kHz . Channel numbers 1 to 34 inclusive are available with channel centre frequency of 40.655 MHz plus (Channel Spacing times channel number).		EN 300 220
IR2030/23/4	Model Control	For telemetry to provide data from the model only, including airborne models.	433.05 - 434.79 MHz	1 mW e.r.p		Channel spacing 25 kHz		EN 300 220

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/23/5	Model Control	For telemetry to provide data from the model only, including airborne models.	434.04 – 434.79 MHz	10 mW		Channel spacing 25 kHz		EN 300 220
IR2030/23/6	Model Control	For telecommand to control the movement of any model.	458.5 - 459.5 MHz	100 mW		Channel spacing 25 kHz. Channel numbers 1 to 40 inclusive are available with channel centre frequency of 458.4875 MHz plus (Channel Spacing times channel number).		EN 300 220

Table 3.14 Audio PMSE devices and video applications

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/26/1	Wireless Audio Applications	Airborne use is not permitted.	36.61 - 36.79 MHz 37.01 - 37.19 MHz	10 µW e.r.p.				EN 300 422 EN 301 357
IR2030/24/1	Radio Microphones	Airborne use is not permitted.	173.775 - 175.075 MHz	10 mW e.r.p.		Channel spacing 50 kHz. Channel numbers 10 to 35 inclusive are available; where the channel centre frequency is equal to 173.3 MHz plus (Channel Spacing times channel number).		EN 300 422
IR2030/24/2	Radio Microphones	Airborne use is not permitted.	173.7 - 175.1 MHz	10 mW e.r.p	The maximum radiated power may be increased to 50	Channel spacing 200 kHz. Channel numbers 1 to 7 inclusive are available;		EN 300 422

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
					mW e.r.p. for a radio microphone which is intended to be worn next to or strapped to the user's body.	where the channel centre frequency is equal to 173.6 MHz plus (Channel Spacing times channel number).		
IR2030/35/1	Audio PMSE devices		821.5-826 MHz	100 mW e.i.r.p. for body-worn devices 20 mW e.i.r.p. for other devices				
IR203/35/2	Audio PMSE devices		826-832 MHz	100 mW e.i.r.p.				
IR2030/24/3	Radio Microphones	Equipment may be used airborne.	863 - 865 MHz	10 mW e.r.p.				EN 300 422 EN 301 357
IR2030/33/1	Audio PMSE devices	Equipment may be used airborne. This set of usage conditions is only	863 - 865 MHz	10 mW e.r.p.				EN 300 422 EN 301 357

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		available to wireless audio and multimedia streaming devices.						
IR2030/26/3	Wireless Audio Applications	This set of usage conditions is also available for personal cordless audio devices. Equipment may be used airborne.	863 - 865 MHz	10 mW e.r.p.				EN 300 422 EN 301 357
IR2030/26/4	Wireless Audio Applications	Airborne use is not permitted.	864.8 - 865.0 MHz	10 mW e.r.p.		Channel bandwidth ≤ 50 kHz Frequency band may be used for narrow band applications.		EN 300 220
IR2030/35/3	Audio PMSE devices		1785-1805 MHz	50 mW e.i.r.p. for body-worn devices or devices implementing Spectrum				

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
				Scanning Procedure (SSP) 20 mW e.i.r.p. for other devices				
IR2030/26/5	Wireless Audio Applications	Airborne use is not permitted.	2400 – 2483.5 MHz	10 mW e.i.r.p.				EN 300 422 EN 301 357
IR2030/27/1	Wireless Video Cameras - Non Broadcasting	Apparatus designed or adapted for Television. Where required, associated audio may also be used within the specified frequency band. Airborne use is not permitted.	1394 MHz	500 mW e.i.r.p.		Channel Bandwidth ≤ 10 MHz		EN 302 064
IR2030/27/2	Wireless Video Cameras - Non Broadcasting	Apparatus designed or adapted for Television. Where	2400 – 2483.5 MHz	10 mW e.i.r.p.				EN 302 064

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		required, associated audio may also be used within the specified frequency band. Equipment may be used airborne.						
IR2030/27/3	Wireless Video Cameras - Non Broadcasting	Apparatus designed or adapted for Television. Where required, associated audio may also be used within the specified frequency band. Equipment may be used airborne.	5725 – 5875 MHz	25 mW e.i.r.p.				EN 302 064
IR2030/28/1	Video Distribution for Private Use	Apparatus designed or adapted for Television Where required,	1394 MHz	10 mW e.i.r.p.		Channel Bandwidth □ 10 MHz		EN 302 064

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
		associated audio may also be used within the specified frequency band. Music and speech only permitted when associated with the video application Airborne use is not permitted.						

Table 3.15 Assistive Listening Devices (ALD)

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/25/1	Assistive Listening Devices (ALD)	Equipment may be used airborne.	169.4000 - 169.4750 MHz	500 mW e.r.p.				EN 300 422
IR2030/25/2	Assistive Listening Devices (ALD)	Equipment may be used airborne.	169.4875 - 169.5875 MHz	500 mW e.r.p.				EN 300 422
IR2030/25/3	Assistive Listening Devices (ALD)	Equipment may be used airborne.	173.325 - 175.075 MHz	2 mW e.r.p.		Channel spacing 50 kHz Channel numbers 1 to 5 inclusive and 7 to 9 inclusive are the preferred channels, channels 10 to 35 inclusive may be used as an alternative but are shared with other applications. The channel centre frequency is		EN 300 422

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
						equal to 173.3 MHz plus (Channel Spacing times channel number).		
IR2030/25/5	Assistive Listening Devices (ALD)	Airborne use is not permitted.	173.965 - 216 MHz	10 mW e.r.p.	A minimum wanted received signal threshold of 35 dBµV/m is required to ensure protection of a Digital Audio Broadcast (DAB) receiver situated 1.5 m from the ALD, subject to DAB signal strength measurements taken around the ALD operating site.	Devices shall implement the whole frequency range on a tuning-range basis. ALD must not be operated less than 300 kHz from the edge of an occupied DAB channel.	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in designated standards specified in the Notices of publication (See Section 6) must be used.	EN 300 422 EN 301 357

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/25/4	Assistive Listening Devices (ALD)	Indoor Digital Assistive Listening Device Systems only. Airborne use is not permitted.	916.1 - 916.5 MHz 917.3 - 917.7 MHz 918.5 - 918.9 MHz 919.7 - 920.1 MHz	10 mW e.r.p.		≤ 400 kHz	Duty cycle limit < 25 %	EN 300 422

Table 3.16 Radar Level Gauges

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/29/1	Radar Level Gauges	Airborne use is not permitted.	5150 - 7100 MHz	25 mW Peak e.i.r.p.				EN 302 372

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
				0.1 mW Average e.i.r.p.				
IR2030/29/2	Radar Level Gauges	Airborne use is not permitted.	8500 - 10600 MHz	25 mW Peak e.i.r.p. 0.1 mW Average e.i.r.p.				EN 302 372
IR2030/29/3	Radar Level Gauges	Airborne use is not permitted.	10.700 - 10.850 GHz	25 mW Peak e.i.r.p. 0.1 mW Average e.i.r.p.				EN 302 372
IR2030/29/4	Radar Level Gauges	Airborne use is not permitted.	24.3 - 27.7 GHz	100 mW Peak e.i.r.p. 0.36 mW Average e.i.r.p.				EN 302 372

Table 3.17 Networked equipment and meter reading

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/31/1 **2014/88/UK June 2014**	Networked SRDs i) Meter Reading ii) Sensors and Actuators		870 – 874.4 MHz	500 mW e.r.p.		≤ 200 kHz	Duty cycle limit ≤ 2.5% Adaptive Power Control (APC) required. The APC Control is able to reduce a link's transmit power from its maximum to ≤ 5 mW.	EN 303 204
IR2030/31/2	Networked SRDs i) Meter Reading ii) Sensors and Actuators	Airborne use is not permitted.	873 - 875.6 MHz	500 mW e.r.p.		≤ 200 kHz	Duty cycle limit ≤ 0.01% and limited to a maximum transmit on time of 5ms/1s. Adaptive Power Control (APC) required. The APC Control is able to reduce a	EN 303 204

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							link's transmit power from its maximum to ≤ 5 mW e.r.p.	
IR2030/32/1	Metering Devices	Equipment may be used airborne	169.4 - 169.475 MHz	500mW e.r.p.		Channel Bandwidth ≤ 50kHz	Duty cycle limit 10%	EN 300 220

Table 3.18 PMR 446

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
IR2030/34/1	PMR446	Airborne use is not permitted.	446.0 – 446.2MHz	500 mW e.r.p.			Techniques to access spectrum and mitigate interference that provide at least equivalent	EN 303 405

Interface / Notification number / Date	Application	Comments to application	Frequency band	Maximum transmit power / Power spectral density / Field strength	Comments to Maximum transmitpower / Power spectral density / Field strength	Channelling	Channel access andoccupation rules	Informative Reference
							performance to the techniques described in designated standards specified in the Notices of publication (See Section 6) must be used.	

4. References

Notices of publication from the Department for Business, Energy and Industrial Strategy are provided for designated standards for radio equipment in England, Scotland and Wales. This is in support of the Radio Equipment Regulations 2017 (as amended). A consolidated list of the standards is also available for reference by businesses.

European harmonised standards remain the relevant standards for placing goods on the Northern Ireland market, where there is alignment with relevant EU rules. However, the Government is seeking to find a new balance in the Northern Ireland Protocol to place it on a more sustainable footing that would impact on how products are regulated in Northern Ireland.

Guidance on placing manufactured goods on the market in Northern Ireland is provided by the Government. NOTE: References to EN 300 220 refer to the applicable sub-part of that document.

Reference	Description
EN 300 220-1	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1: Technical characteristics and methodsof measurement.
EN 300 220-1	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1: Technical characteristics and methodsof measurement.
EN 300 220-2	Short Range Devices (SRD) operating in the frequency range 25MHz to 1 000 MHz; Part 2.
EN 300 220-3-1	Short Range Devices (SRD) operating in the frequency range 25MHz to 1 000 MHz; Part 3-1: Low duty cycle high reliability equipment, social alarms equipment operating on designated frequencies (869.200 MHz to 869,250 MHz).
EN 300 220-3-2	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 3-2: 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.
EN 300 220-4	Short Range Devices (SRD) operating in the frequency range 25MHz to 1 000 MHz; Part 4: Metering devices operating in designated band 169,400 MHz to 169,475 MHz.
EN 303 204	Network Based Short Range Devices (SRD); Radio equipment to beused in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW.
EN 300 328	Wideband transmission systems; Data transmission equipmentoperating in the 2,4 GHz ISM band and using wide band modulation techniques.
EN 300 330	Short Range Devices (SRD); Radio equipment in the frequencyrange 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz.

Reference	Description
EN 300 422-1	Audio PMSE up to 3 GHz; Part 1: Class A Receivers; Audio PMSE upto 3 GHz; Part 1: Class A Receivers.
EN 300 422-2	Wireless Microphones; Audio PMSE up to 3 GHz; Part 2: Class BReceivers.
EN 300 422-3	Wireless Microphones; Audio PMSE up to 3 GHz; Part 3: Class CReceivers.
EN 300 422-4	Wireless Microphones; Audio PMSE up to 3 GHz; Part 4: Assistive Listening Devices including personal sound amplifiers andinductive systems up to 3 GHz.
EN 300 440	Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard for accessto radio spectrum.
EN 300 674-2-1	Transport and Traffic Telematics (TTT); Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250kbit/s) operating in the 5 795 MHz to 5 815 MHz frequency band;Part 2: Sub-part 1: Road Side Units (RSU).
EN 300 674-2-2	Transport and Traffic Telematics (TTT); Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250kbit/s) operating in the 5 795 MHz to 5 815 MHz frequency band;Part 2: Sub-part 2: On-Board Units (OBU).
EN 300 718-1	Avalanche Beacons operating at 457 kHz; Transmitter-receiversystems; Part 1: Harmonised Standard for access to radio spectrum.
EN 300 718-2	Avalanche Beacons operating at 457 kHz; Transmitter-receiver systems; Part 2: Harmonised Standard for features for emergencyservices.
EN 300 761	European Norm - Electromagnetic compatibility and Radio spectrum Matters (ERM); Automatic Vehicle Identification (AVI)for railways.
EN 301 091-1	Short Range Devices; Transport and Traffic Telematics (TTT); Radarequipment operating in the 76 GHz to 77 GHz range.
EN 301 091-2	Short Range Devices; Transport and Traffic Telematics (TTT); Radarequipment operating in the 76 GHz to 77 GHz range.
EN 301 091-3	Short Range Devices; Transport and Traffic Telematics (TTT); Radarequipment operating in the 76 GHz to 77 GHz range; Part 3: Railway/Road Crossings obstacle detection system applications.
EN 301 357	Cordless audio devices in the range 25 MHz to 2 000 MHz.
EN 301 839	Ultra Low Power Active Medical Implants (ULP-AMI) and associated Peripherals (ULP-AMI-P) operating in the frequencyrange 402 MHz to 405 MHz
EN 301 893	5 GHz RLAN.

Reference	Description
EN 302 195	Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and accessories (ULP-AMI-P) operating in thefrequency range 9 kHz to 315 kHz.
EN 302 208	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.
EN 302 288	Short Range Devices; Transport and Traffic Telematics (TTT); Ultra-wideband radar equipment operating in the 24,25 GHz to 26,65GHz range.
EN 302 291-1	Electromagnetic compatibility and Radio spectrum Matters (ERM);Short Range Devices (SRD);Close Range Inductive DataCommunication equipment operating at 13,56 MHz; Part 1: Technical characteristics and test methods.
EN 302 291-2	Electromagnetic compatibility and Radio spectrum Matters (ERM);Short Range Devices (SRD);Close Range Inductive DataCommunication equipment operating at 13,56 MHz; Part 2.
EN 302 372	Short Range Devices (SRD); Tank Level Probing Radar (TLPR) equipment operating in the frequency ranges 4,5 GHz to 7 GHz, 8,5 GHz to 10,6 GHz, 24,05 GHz to 27 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz.
EN 302 510	Short Range Devices (SRD); Ultra Low Power Active Medical Membrane Implants (ULP-AMI-M) and Peripherals (ULP-AMI-M-P)operating in the frequency range 30 MHz to 37,5 MHz.
EN 302 536	Short Range Devices (SRD); Radio equipment operating in the frequency range 315 kHz to 600 kHz for Ultra Low Power AnimalImplantable Devices (ULP-AID) and associated peripherals.
EN 302 537	Ultra Low Power Medical Data Service (MEDS) Systems operatingin the frequency range 401 MHz to 402 MHz and 405 MHz to 406MHz.
EN 302 567	Multiple-Gigabit/s radio equipment operating in the 60 GHz band.
EN 302 608	Short Range Devices (SRD); Radio equipment for Eurobaliserailway systems.
EN 302 609	Short Range Devices (SRD); Radio equipment for Euroloop railwaysystems.
EN 302 686	Intelligent Transport Systems (ITS); Radiocommunications equipment operating in the 63 GHz to 64 GHz frequency band.
EN 302 858	Short Range Devices; Transport and Traffic Telematics (TTT); Radarequipment operating in the 24,05 GHz to 24,25 GHz or 24,05 GHz to 24,50 GHz range.
EN 305 550	Short Range Devices (SRD); Radio equipment to be used in the 40GHz to 246 GHz frequency range.
EN 303 405	Land Mobile Service; Analogue and Digital PMR446 Equipment.

Reference	Description
EN 303 406	Short Range Devices (SRD); Social Alarms Equipment operating in the frequency range 25 MHz to 1 000 MHz.
EN 302 571	Intelligent Transport Systems (ITS); Radio equipment operating in the 5855 MHz to 5925 MHz frequency band.
EN 302 729	Short Range Devices (SRD) - Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz

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6. Document history

Version	Date	Changes
1.0	Jan 2001	First Publication EU No. 2000/0156/UK
1.1	Aug 2001	Amended EU No. 2001/0116/UK
1.2	Oct 2002	Amended EU No. 2002/248/UK
1.3	Nov 2006	Changes for proposed Wireless Telegraphy (Exemption) Regulations 2006 EU No.2006/427/UK
1.4	2008	Changes to ensure alignment to the Draft 2007 amendment to the EC Decision 2006/771/EC – SRD Harmonisation
1.5	Oct 2010	Changes to ensure alignment to the 2010 amendment to the EC Decision 2006/771/EC – SRD Harmonisation
1.6	Dec 2011	Changes to ensure alignment to the 2011 amendment to the EC Decision 2006/771/EC – SRD Harmonisation
1.7	June 2013	Changes to close the 10.68-10.7 GHz bands
1.8	June 2014	Changes to add the 870-876 MHz & 915-921 MHz bands and to ensure alignment to the 2013 amendment to the EC Decision 2006/771/EC – SRD Harmonisation
1.9	July 2017	IR2030/8/2 was updated and IR2030/8/3 was added for 5.8 WAS /RLAN
1.10	January 2018	Replaced R&TTE Directive 1999/5/EC and Directive 98/34/EC with Radio Equipment Directive and Directive (EU) 2015/1535 respectively. Minor editorials
1.11	February 2018	Updated to align with Decision 2017/1483/EU on the harmonisation of Short Range Devices
1.12	November 2018	Changes to IR2030/7/2 to extend frequency band from 66 GHz to 71 GHz and addition of IR2030/7/4 to permit equipment operating in a fixed outdoor installation in the 57 – 71 GHz band.
1.13	May 2020	Updated to align with Decision 2018/1538/EU of 11 October 2018 on the harmonisation of short-range devices within the 874-876 and 915-921 MHz frequency bands.
1.14	April 2021	Update to harmonise conditions in the 870 to 874.4 MHz band, align with European Decision 2019/1345/EU of 2 August 2019, include 5925 to 6425 MHz for Wi-Fi and other RLAN use and remove the DFS requirements for channels used by Wi-Fi in the 5725 to 5850 MHz.

1.15	March 2023	Update to liberalise 5150 to 5250 MHz for Wireless Access Systems. Some technical and minor editorial changes to SRD applications in the bands 870 to 874.4 MHz, 917.3 to 918.9 MHz and 917.4 to 919.4 MHz.
1.16	April 2026	Updated to harmonise UK conditions with CEPT Rec 70-03 published June 2024 and Commission Implementing Decision (EU) 2025/105 of 22 January 2025.
1.17	XXXX 2026	Updated to extend Wi-Fi use (and similar Wireless Access Systems) to 6425-6585 MHz band, under the same conditions as the existing authorisation for 5925-6425 MHz (low power indoor and very low power use).