

Danish radio interface

00 054

January 2005

Radio equipment for Automotive
Short Range Radars (SRR)
in the frequency band 77 – 81 GHz

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Laid down by the National IT- and Telecom Agency

This publication is a translation. In case of divergencies, the original Danish text shall prevail

**Danish Radio Interface Regulation
for radio equipment for
Automotive Short Range Radars (SRR)
in the frequency band 77 – 81 GHz**

**No. 00 054
January 2005**

Scope

This Radio Interface Regulation covers radio equipment for Automotive Short Range Radars (SRR) providing road vehicle based radar functions for collision mitigation and traffic safety applications.

The statutory authority for this Radio Interface Regulation is § 9 in Act No. 232 dated 5 April 2000 on radio and telecommunications terminal equipment and electromagnetic matters.

According to Royal Decree no. 235 of 19 April 2002 this radio interface regulation is not published in the Legal Gazette. Information on the radio interface regulation can be found on the National IT and Telecom Agency's web site or by contact to the Agency.

This Radio Interface Regulation has been published without prejudice to the possible use of such frequency bands for other similar systems with similar performance capabilities.

Entry into force

This Radio Interface Regulation shall enter into force on 1 January 2005.

Automotive Short Range Radars (SRR) in the frequency band 77 – 81 GHz

No.	Parameter	Description	Comments	Status
1	Frequency / Frequency band	77 – 81 GHz		N
2	Radio service	Radiolocation		N
3	Application	Short range radar for road safety applications	Radar based functions for collision mitigation and traffic safety applications	N
4	Channelling	Not applicable		N
5	Transmit power limit	Maximum mean power density must not exceed –3 dBm/MHz eirp. associated with a peak limit of 55 dBm eirp.	The maximum mean power density outside a vehicle resulting from the operation of one SRR equipment shall not exceed –9 dBm/MHz eirp.	N
6	Duty cycle	Not applicable		N
7	Licensing regime	Licence exempted		N
8	Frequency planning assumptions	EN 302 264	Commission Decision 2004/545	I
9	Harmonised standard	EN 302 264		I
10	Remarks	None		I
11	Notification number	2004/0365/DK		I

N: Normative
I: For information

Acquisition of Acts, Executive Orders, Standards etc.

Radio interface Regulations may be obtained from the National IT and Telecom Agency, Holsteinsgade 63, DK-2100 Copenhagen, Telephone: +45 35450000, Fax: +45 35450010. An overview of Radio Interface Regulations, relevant Acts, and Executive Orders in the field of telecommunications are available on the National IT and Telecom Agency web site: www.itst.dk

ETSI documents ((I-)ETTs, ENs TBRs, ESs and EGs) are available on the ETSi web site : www.etsi.org or can be obtained from the National IT and Telecom Agency.

ITU recommendations may be purchased directly from the ITU, Place des Nations, CH-1211 Genève 20, Telephone: +41 22 730 5111, Fax: +41 22 730 5194 or +41 22 733 7256 or possibly through the National IT and Telecom Agency.

Recommendations related to radio including ECC Decisions, Radiocommunication Reports, Report Forms and Application Forms, Recommendations on Radiocommunications may be purchased from ERO, European Radiocommunications Office, Peblingehus, Nansensgade 19, DK-1366 Copenhagen K, Telephone:+45 33896300, Fax: +45 33896330. For further information see the ERO web site: www.ero.dk