



**SLOVENSKI STANDARD**  
**SIST ETS 300 609-4 E1:2003**  
**01-december-2003**

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VUnb]`dcghU`f6 GGL`E` ("XY. `F YdYh]rcf`f] GA`%8%&\* Ł

Digital cellular telecommunications system (Phase 2) (GSM); Base Station System (BSS) equipment specification; Part 4: Repeaters (GSM 11.26)

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Ta slovenski standard je istoveten z: **ETS 300 609-4 Edition 1**  
SIST ETS 300 609-4 E1:2003  
<https://standards.iteh.ai/catalog/standards/sist/22ec3654-8b5c-4849-9768-b2fc067a4475/sist-ets-300-609-4-e1-2003>

**ICS:**

33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
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**E**UROPEAN  
**T**ELECOMMUNICATION  
**S**TANDARD

**ETS 300 609-4**

January 1997

Source: ETSI TC-SMG

Reference: DE/SMG-081126P

ICS: 33.020

**Key words:** Digital cellular telecommunications system, Global System for Mobile Communications (GSM)



SIST ETS 300 609-4 E1:2003

**Digital cellular telecommunications system (Phase 2);  
Base Station System (BSS) equipment specification;  
Part 4: Repeaters  
(GSM 11.26)**

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## Contents

Foreword .....	5
1 Scope .....	7
2 Normative references .....	7
3 Definitions and abbreviations .....	8
3.1 Definitions .....	8
3.2 Abbreviations .....	8
4 General .....	9
4.1 Radio frequency bands .....	9
4.2 Test environments .....	9
4.2.1 Normal test environment .....	9
4.2.2 Extreme test environment .....	10
4.2.3 Extreme temperature .....	10
4.3 Manufacturers declarations .....	10
5 Spurious emissions .....	11
5.1 Test purpose .....	11
5.2 Test case .....	11
5.3 Conformance requirement .....	12
5.4 Reference requirement .....	12
6 Intermodulation attenuation .....	13
6.1 Test purpose .....	13
6.2 Test case .....	13
6.3 Conformance requirement .....	13
6.4 Reference requirement .....	13
7 Out of band gain .....	14
7.1 Test purpose .....	14
7.2 Test case .....	14
7.3 Conformance requirement .....	14
7.4 Reference requirement .....	14
Annex A (informative): Testing of gain for part band repeaters .....	15
A.1 Rationale for this test .....	15
A.2 Gain outside operating band .....	15
A.2.1 Test purpose .....	15
A.2.2 Test case .....	15
A.2.3 Conformance requirement .....	15
History .....	16

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## Foreword

This European Telecommunication Standard (ETS) has been produced by the Special Mobile Group (SMG) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS describes the Radio Frequency (RF) tests for GSM 900 and DCS 1800 repeaters within the digital cellular telecommunications system (Phase 2). This ETS corresponds to GSM technical specification GSM 11.26 version 4.2.2.

NOTE: TC-SMG has produced documents which give the technical specifications for the implementation of the digital cellular telecommunications system. Historically, these documents have been identified as GSM Technical Specifications (GSM-TSs). These TSs may have subsequently become I-ETTs, or ETSs (Phase 2), whilst others may become ETSI Technical Reports (ETRs). GSM-TSs are, for editorial reasons, still referred to in current GSM ETSs.

Transposition dates	
Date of adoption	3 January 1997
Date of latest announcement of this ETS (doa):	30 April 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 October 1997
Date of withdrawal of any conflicting National Standard (dow):	31 October 1997

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## 1 Scope

This European Telecommunication Standard (ETS) describes the Radio Frequency (RF) tests for GSM 900 and DCS 1800 repeaters which receive, amplify, and retransmit a received Mobile Station (MS) signal in the GSM MS transmit band and simultaneously receive, amplify and retransmit a received Base Transceiver Station (BTS) RF signal in the GSM BTS transmit band.

## 2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

- [1] ETR 100 (GSM 01.04): "Digital cellular telecommunication system (Phase 2); Abbreviations and acronyms".
- [2] ETS 300 019-1-0: "Equipment Engineering (EE): Environmental conditions and environmental tests for telecommunications equipment Part 1-0; Classification of environmental conditions; Introduction".
- [3] ETS 300 019-1-3: "Equipment Engineering (EE): Environmental conditions and environmental tests for telecommunications equipment Part 1-3; Classification of environmental conditions, Stationary use at weather-protected locations".
- [4] ETS 300 019-1-4: "Equipment Engineering (EE): Environmental conditions and environmental tests for telecommunications equipment Part 1-4; Classification of environmental conditions, Stationary use at non-weather-protected locations".
- [5] ETS 300 113: "Radio Equipment and Systems (RES); Land mobile service; Technical characteristics and test conditions for radio equipment intended for the transmission of data (and speech) and having an antenna connector".
- [6] ETS 300 577 (GSM 05.05): "Digital cellular telecommunication system (Phase 2); Radio transmission and reception".
- [7] IEC 68-2: "Basic environmental testing procedures: Part 2 Tests".
- [8] IEC 721: "Classification of environmental conditions".