



Testing Laboratory
2209

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3301

PARTIAL UMTS TEST REPORT

REFERENCE STANDARD:

3GPP TS 34.123 -1 Group RAN; User Equipment (UE) conformance specification; Part 1: Protocol conformance specification.

NIE	00660RMV.001
Approved by (name / position & signature)	Stan Lin Laboratory Manager
Elaboration date	2013-11-22
Identification of item tested	Module
Trademark.....	Sierra Wireless
Model and/or type reference	SL8082
Final HW version	3.0
Final SW version	S4.1.0.10
IMEI TAC	35256205 (SVN:12)
Features supported.....	GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA
Description	Wireless Module
Applicant	SIERRA WIRELESS TECHNOLOGY (SZ) LTD.
Address	2/F JIU-ZOU ELECTRONIC BUILDING, SOUTHERN NO.12 ROAD, HI-TECH PARK, NANSHAN, SHENZHEN, GUANGDONG, CHINA, 518057
Contact person	Suzi Lan
Telephone / Fax	+86 755 8611 9884
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Official Observer of



PTCRB accredited Test Lab



Test samples supplier	Same as Applicant
Manufacturer	Same as Applicant
Test method requested	Selected test cases for testing according to: Appendix A
Certification Criteria	Leading document for testing on GCF Bands: Global Certification Forum Certification Criteria, GCF CC. v3.52.1
Standard	3GPP TS 34.123-1 v11.0.0 3GPP TS 34.123-2 v11.0.0
Test procedure	PEMV04_3: Protocol Conformance Testing. PEMV06_6: Temperature and Humidity Testing Control.
Additional Reference Documents	N/A
Non-standardized test method	N/A
Report template No.	FDT08#FMV002
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Competences and guarantees

AT4 wireless is a testing laboratory accredited by the National Accreditation Body (TAF –Taiwan Accreditation Foundation), to perform the tests indicated in the Certificate No.2209.

AT4 wireless is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, AT4 wireless has a calibration and maintenance programme for its measurement equipment according to the ISO 17025.

AT4 wireless guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at AT4 wireless at the time of performance of the test.

AT4 wireless is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

AT4 wireless issues the two following types of UMTS Test Reports:

Full UMTS Test Report: This Test Report contains within Appendix A a list of ALL test cases referenced in the corresponding Certification Criteria Leading documents. Full UMTS Test Reports contain a testing conclusion in Summary chapter.

Partial UMTS Test Report: This Test Report contains within Appendix A a subset of test cases requested by the customer and/or what is deemed necessary by AT4 wireless after a review to a product with respect to modification. Partial UMTS Test Reports do not contain a testing conclusion in Summary chapter.

General conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of AT4 wireless.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of AT4 wireless and the Accreditation Bodies.

Uncertainty

Uncertainty (factor k=2) was calculated according to the AT4 wireless internal document PODT000.

Usage of samples

Samples undergoing test have been selected by: **SIERRA WIRELESS TECHNOLOGY (SZ) LTD.**

Sample operating mode: Normal mode according to the requested standards.

Following Samples have been used:

<u>Sample</u>	<u>Control No.</u>	<u>Description</u>	<u>Model</u>	<u>HW version</u>	<u>SW version</u>	<u>IMEI No.</u>	<u>Reception Date</u>
M/01	00600-01_01a	Wireless Module	SL8082	3.0	S4.1.0.10	352562050015018	2013-11-11

All Samples have undergone total or partially the test(s) specified in sub clause “Test method requested”.

Testing period

The performed test started on 2013-11-21 and finished on 2013-11-21.

The tests have been performed at AT4 wireless.

Environmental conditions

General environmental conditions:

	NOMINAL	
	LOWER	HIGHER
RELATIVE HUMIDITY	20 %	75 %
TEMPERATURE	15 °C	35 °C
VOLTAGE	3.6V	

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Summary

The qualified PICS/PIXIT menu of the test system was defined in accordance with the client.

Considering the results of the performed test according to standard 3GPP TS 34.123-1, the item/s under test is/are **IN COMPLIANCE** with the requested specifications specified in the standard

NOTE: The results presented in this Test Report apply only to the particular item under test established in page 1 of this document, as presented for test on the date(s) shown in section, "USAGE OF SAMPLES, TESTING PERIOD AND ENVIRONMENTAL CONDITIONS".

Remarks and comments

The tests have been realized by the technical personnel: Brant Cheng

The report was made by Vincent Chen

Testing verdicts

Not applicable: NA
Pass: P
Fail: F
Inconclusive: I
Not measured: NM

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APPENDIX A: Test result

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Summary of Test Results

Standard	VERDICT		
	FDDI		
	PASS	FAIL	INC
3GPP TS 34.123-1	1	0	0
Total	1	0	0

Test Results

3GPP TS 34.123-1

Ref	Condition	FDDI		
		Test sample	Result	Test system
6.2.1.12	Normal	00600-01-01a	<u>P</u>	TP50

Note: Test Case marked P have been performed with another ISO 17025 Test Lab (BV-ADT)

APPENDIX B: Test Systems

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Test System Used

Test Equipment Anite SAT(A) UE

Lab ID: Lab 6
Manufacturer: Anite
Description: Conformance Protocol Test System
Type: Anite SAT(A) UE

Single Devices for Anite SAT(A) UE

Single Device Name	Type	Serial Number	Manufacturer	
8960 Series 10 Wireless Comms Test Set E5515C#1	E5515C	MY50261327	Agilent Technologies	
	Calibration Details		Last Execution	Next Exec.
			2013/03/10	
	Calibration		2011/03/11	
	HW/SW Status		Date of Start	Date of End
FW: A.05.92		2012/10/16		
8960 Series 10 Wireless Comms Test Set E5515C#2	E5515C	MY50261267	Agilent Technologies	
	Calibration Details		Last Execution	Next Exec.
			2013/02/26	
	Calibration		2011/02/27	
	HW/SW Status		Date of Start	Date of End
FW: A.05.92		2012/10/16		
8960 Series 10 Wireless Comms Test Set E5515C#3	E5515C	MY50260280	Agilent Technologies	
	Calibration Details		Last Execution	Next Exec.
			2013/03/06	
	Calibration		2011/03/07	
	HW/SW Status		Date of Start	Date of End
FW: A.05.92		2012/10/16		
8960 Series 10 Wireless Comms Test Set E5515C#4	E5515C	MY50261460	Agilent Technologies	
	Calibration Details		Last Execution	Next Exec.
			2013/03/13	
	Calibration		2011/03/14	
	HW/SW Status		Date of Start	Date of End
FW: A.05.92		2012/10/16		
8960 Series 10 Wireless Comms Test Set E5515C#5	E5515C	MY50262137	Agilent Technologies	
	Calibration Details		Last Execution	Next Exec.
			2013/04/17	
	Calibration		2011/04/18	
	HW/SW Status		Date of Start	Date of End
FW: A.05.92		2012/10/16		
8960 Series 10 Wireless Comms Test Set E5515C#6	E5515C	MY50262135	Agilent Technologies	
	Calibration Details		Last Execution	Next Exec.
			2013/04/19	
	Calibration		2011/04/20	
	HW/SW Status		Date of Start	Date of End
FW: A.05.92		2012/10/16		
8960 Series 10 Wireless Comms Test Set E5515C#7	E5515C	MY50262132	Agilent Technologies	
	Calibration Details		Last Execution	Next Exec.
			2013/04/18	
	Calibration		2011/04/19	
	HW/SW Status		Date of Start	Date of End
FW: A.05.92		2012/10/16		
8960 Series 10 Wireless Comms Test Set E5515C#8	E5515C	MY50262136	Agilent Technologies	
	Calibration Details		Last Execution	Next Exec.
			2013/04/17	
	Calibration		2011/04/18	
	HW/SW Status		Date of Start	Date of End
FW: A.05.92		2012/10/16		

APPENDIX C: PICS/PIXIT

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3GPP TS 34.123-2

Table A.1 (3GPP TS 51.010-2): Types of Mobile Stations

Item	Release	Type of Mobile Station	Supported
1	Phase2	Standard GSM Band (P-GSM)	<input checked="" type="checkbox"/>
2	Phase2	Extended GSM Band (E-GSM), (including standard Band)	<input checked="" type="checkbox"/>
3	R96	R-GSM Band (including standard and E-GSM Band)	<input type="checkbox"/>
4	Phase2	DCS 1800 band	<input checked="" type="checkbox"/>
5	Phase2	Multiple-band, not simultaneously	<input type="checkbox"/>
6	Phase2	Multiple-band, simultaneously	<input checked="" type="checkbox"/>
7	Phase2	Small Mobile Station	<input checked="" type="checkbox"/>
8	Phase2	GSM Power Class 2	<input type="checkbox"/>
9	Phase2	GSM Power Class 3	<input type="checkbox"/>
10	Phase2	GSM Power Class 4	<input checked="" type="checkbox"/>
11	Phase2	GSM Power Class 5	<input type="checkbox"/>
12	Phase2	DCS 1800 Power Class 1	<input checked="" type="checkbox"/>
13	Phase2	DCS 1800 Power Class 2	<input type="checkbox"/>
14	Phase2	DCS 1800 Power Class 3	<input type="checkbox"/>
15	R96	HSCSD Multislot MS	<input type="checkbox"/>
16	R99	GSM 450 band	<input type="checkbox"/>
17	R99	GSM 480 band	<input type="checkbox"/>
18	R98	PCS 1900 band	<input checked="" type="checkbox"/>
19	R98	PCS 1900 Power Class 1	<input checked="" type="checkbox"/>
20	R98	PCS 1900 Power Class 2	<input type="checkbox"/>
21	R98	PCS 1900 Power Class 3	<input type="checkbox"/>
22	R96	Multislot Class1	<input type="checkbox"/>
23	R96	Multislot Class2	<input type="checkbox"/>
24	R96	Multislot Class3	<input type="checkbox"/>
25	R96	Multislot Class4	<input type="checkbox"/>
26	R96	Multislot Class5	<input type="checkbox"/>
27	R96	Multislot Class6	<input type="checkbox"/>
28	R96	Multislot Class7	<input type="checkbox"/>
29	R96	Multislot Class8	<input type="checkbox"/>
30	R96	Multislot Class9	<input type="checkbox"/>
31	R96	Multislot Class10	<input type="checkbox"/>
32	R96	Multislot Class11	<input type="checkbox"/>
33	R96	Multislot Class12	<input type="checkbox"/>
34	R96	Multislot Class13	<input type="checkbox"/>
35	R96	Multislot Class14	<input type="checkbox"/>
36	R96	Multislot Class15	<input type="checkbox"/>
37	R96	Multislot Class16	<input type="checkbox"/>
38	R96	Multislot Class17	<input type="checkbox"/>
39	R96	Multislot Class18	<input type="checkbox"/>
40	R97	Multislot Class19	<input type="checkbox"/>
41	R97	Multislot Class20	<input type="checkbox"/>
42	R97	Multislot Class21	<input type="checkbox"/>
43	R97	Multislot Class22	<input type="checkbox"/>
44	R97	Multislot Class23	<input type="checkbox"/>
45	R97	Multislot Class24	<input type="checkbox"/>
46	R97	Multislot Class25	<input type="checkbox"/>
47	R97	Multislot Class26	<input type="checkbox"/>
48	R97	Multislot Class27	<input type="checkbox"/>
49	R97	Multislot Class28	<input type="checkbox"/>
50	R97	Multislot Class29	<input type="checkbox"/>
51	R97	GPRS Multislot operation	<input checked="" type="checkbox"/>
52	R99	EGPRS capable of 8PSK in Uplink, of all Multislot classes	<input checked="" type="checkbox"/>
53	Rel-4	GSM 700 band	<input type="checkbox"/>
54	Rel-4	GSM 750 band	<input type="checkbox"/>
55	R99	GSM 850 band	<input checked="" type="checkbox"/>
56	R99	Support of UTRAN Radio Access Technology	<input checked="" type="checkbox"/>
57	R97	Support of GPRS Multislot class on the uplink	<input checked="" type="checkbox"/>
58	R99	Support of COMPACT	<input type="checkbox"/>
59	R99	DTM/GPRS Multislot Class 1	<input type="checkbox"/>
60	R99	DTM/GPRS Multislot Class 5	<input type="checkbox"/>
61	R99	DTM/GPRS Multislot Class 9	<input type="checkbox"/>
62	R99	Support of singleslot allocation in DTM/GPRS	<input type="checkbox"/>

Item	Release	Type of Mobile Station	Supported
63	R99	Support of UTRAN FDD	<input checked="" type="checkbox"/>
64	R99	Support of UTRAN TDD	<input type="checkbox"/>
65	R98	Support of Conventional GPS	<input checked="" type="checkbox"/>
66	R99	EGPRS Multislot operation	<input checked="" type="checkbox"/>
67	R97	GPRS Multislot Class1	<input type="checkbox"/>
68	R97	GPRS Multislot Class2	<input type="checkbox"/>
69	R97	GPRS Multislot Class3	<input type="checkbox"/>
70	R97	GPRS Multislot Class4	<input type="checkbox"/>
71	R97	GPRS Multislot Class5	<input type="checkbox"/>
72	R97	GPRS Multislot Class6	<input type="checkbox"/>
73	R97	GPRS Multislot Class7	<input type="checkbox"/>
74	R97	GPRS Multislot Class8	<input type="checkbox"/>
75	R97	GPRS Multislot Class9	<input type="checkbox"/>
76	R97	GPRS Multislot Class10	<input checked="" type="checkbox"/>
77	R97	GPRS Multislot Class11	<input type="checkbox"/>
78	R97	GPRS Multislot Class12	<input type="checkbox"/>
79	R97	GPRS Multislot Class13	<input type="checkbox"/>
80	R97	GPRS Multislot Class14	<input type="checkbox"/>
81	R97	GPRS Multislot Class15	<input type="checkbox"/>
82	R97	GPRS Multislot Class16	<input type="checkbox"/>
83	R97	GPRS Multislot Class17	<input type="checkbox"/>
84	R97	GPRS Multislot Class18	<input type="checkbox"/>
85	R97	GPRS Multislot Class19	<input type="checkbox"/>
86	R97	GPRS Multislot Class20	<input type="checkbox"/>
87	R97	GPRS Multislot Class21	<input type="checkbox"/>
88	R97	GPRS Multislot Class22	<input type="checkbox"/>
89	R97	GPRS Multislot Class23	<input type="checkbox"/>
90	R97	GPRS Multislot Class24	<input type="checkbox"/>
91	R97	GPRS Multislot Class25	<input type="checkbox"/>
92	R97	GPRS Multislot Class26	<input type="checkbox"/>
93	R97	GPRS Multislot Class27	<input type="checkbox"/>
94	R97	GPRS Multislot Class28	<input type="checkbox"/>
95	R97	GPRS Multislot Class29	<input type="checkbox"/>
96	R99	EGPRS Multislot Class1	<input type="checkbox"/>
97	R99	EGPRS Multislot Class2	<input type="checkbox"/>
98	R99	EGPRS Multislot Class3	<input type="checkbox"/>
99	R99	EGPRS Multislot Class4	<input type="checkbox"/>
100	R99	EGPRS Multislot Class5	<input type="checkbox"/>
101	R99	EGPRS Multislot Class6	<input type="checkbox"/>
102	R99	EGPRS Multislot Class7	<input type="checkbox"/>
103	R99	EGPRS Multislot Class8	<input type="checkbox"/>
104	R99	EGPRS Multislot Class9	<input type="checkbox"/>
105	R99	EGPRS Multislot Class10	<input type="checkbox"/>
106	R99	EGPRS Multislot Class11	<input type="checkbox"/>
107	R99	EGPRS Multislot Class12	<input checked="" type="checkbox"/>
108	R99	EGPRS Multislot Class13	<input type="checkbox"/>
109	R99	EGPRS Multislot Class14	<input type="checkbox"/>
110	R99	EGPRS Multislot Class15	<input type="checkbox"/>
111	R99	EGPRS Multislot Class16	<input type="checkbox"/>
112	R99	EGPRS Multislot Class17	<input type="checkbox"/>
113	R99	EGPRS Multislot Class18	<input type="checkbox"/>
114	R99	EGPRS Multislot Class19	<input type="checkbox"/>
115	R99	EGPRS Multislot Class20	<input type="checkbox"/>
116	R99	EGPRS Multislot Class21	<input type="checkbox"/>
117	R99	EGPRS Multislot Class22	<input type="checkbox"/>
118	R99	EGPRS Multislot Class23	<input type="checkbox"/>
119	R99	EGPRS Multislot Class24	<input type="checkbox"/>
120	R99	EGPRS Multislot Class25	<input type="checkbox"/>
121	R99	EGPRS Multislot Class26	<input type="checkbox"/>
122	R99	EGPRS Multislot Class27	<input type="checkbox"/>
123	R99	EGPRS Multislot Class28	<input type="checkbox"/>
124	R99	EGPRS Multislot Class29	<input type="checkbox"/>
125	R99	GSM 850 Power Class 2	<input type="checkbox"/>
126	R99	GSM 850 Power Class 3	<input type="checkbox"/>
127	R99	GSM 850 Power Class 4	<input checked="" type="checkbox"/>
128	R99	GSM 850 Power Class 5	<input type="checkbox"/>
129	R99	8-PSK GSM Power Class E1	<input type="checkbox"/>

Item	Release	Type of Mobile Station	Supported
130	R99	8-PSK GSM Power Class E2	<input checked="" type="checkbox"/>
131	R99	8-PSK GSM Power Class E3	<input type="checkbox"/>
132	R99	8-PSK DCS Power Class E1	<input type="checkbox"/>
133	R99	8-PSK DCS Power Class E2	<input checked="" type="checkbox"/>
134	R99	8-PSK DCS Power Class E3	<input type="checkbox"/>
135	R99	8-PSK PCS Power Class E1	<input type="checkbox"/>
136	R99	8-PSK PCS Power Class E2	<input checked="" type="checkbox"/>
137	R99	8-PSK PCS Power Class E3	<input type="checkbox"/>
138	R99	8-PSK GSM 850 Power Class E1	<input type="checkbox"/>
139	R99	8-PSK GSM 850 Power Class E2	<input checked="" type="checkbox"/>
140	R99	8-PSK GSM 850 Power Class E3	<input type="checkbox"/>
141	Phase2	GSM850 and GSM1800 Band Interworking	<input checked="" type="checkbox"/>
142	Phase2	GSM900 and GSM1900 Band Interworking	<input checked="" type="checkbox"/>
143	Phase2	GSM850 and GSM900 Band Interworking	<input checked="" type="checkbox"/>
144	R99	DTM/EGPRS Multislot Class 1	<input type="checkbox"/>
145	R99	DTM/EGPRS Multislot Class 5	<input type="checkbox"/>
146	R99	DTM/EGPRS Multislot Class 9	<input type="checkbox"/>
147	R99	Support of singleslot allocation in DTM/EGPRS	<input type="checkbox"/>
148	R99	DTM/GPRS Multislot Class 11	<input type="checkbox"/>
149	Rel-5	GPRS Multislot Class30	<input type="checkbox"/>
150	Rel-5	GPRS Multislot Class31	<input type="checkbox"/>
151	Rel-5	GPRS Multislot Class32	<input type="checkbox"/>
152	Rel-5	GPRS Multislot Class33	<input type="checkbox"/>
153	Rel-5	GPRS Multislot Class34	<input type="checkbox"/>
154	Rel-5	GPRS Multislot Class35	<input type="checkbox"/>
155	Rel-5	GPRS Multislot Class36	<input type="checkbox"/>
156	Rel-5	GPRS Multislot Class37	<input type="checkbox"/>
157	Rel-5	GPRS Multislot Class38	<input type="checkbox"/>
158	Rel-5	GPRS Multislot Class39	<input type="checkbox"/>
159	Rel-5	GPRS Multislot Class40	<input type="checkbox"/>
160	Rel-5	GPRS Multislot Class41	<input type="checkbox"/>
161	Rel-5	GPRS Multislot Class42	<input type="checkbox"/>
162	Rel-5	GPRS Multislot Class43	<input type="checkbox"/>
163	Rel-5	GPRS Multislot Class44	<input type="checkbox"/>
164	Rel-5	GPRS Multislot Class45	<input type="checkbox"/>
165	Rel-5	EGPRS Multislot Class30	<input type="checkbox"/>
166	Rel-5	EGPRS Multislot Class31	<input type="checkbox"/>
167	Rel-5	EGPRS Multislot Class32	<input type="checkbox"/>
168	Rel-5	EGPRS Multislot Class33	<input type="checkbox"/>
169	Rel-5	EGPRS Multislot Class34	<input type="checkbox"/>
170	Rel-5	EGPRS Multislot Class35	<input type="checkbox"/>
171	Rel-5	EGPRS Multislot Class36	<input type="checkbox"/>
172	Rel-5	EGPRS Multislot Class37	<input type="checkbox"/>
173	Rel-5	EGPRS Multislot Class38	<input type="checkbox"/>
174	Rel-5	EGPRS Multislot Class39	<input type="checkbox"/>
175	Rel-5	EGPRS Multislot Class40	<input type="checkbox"/>
176	Rel-5	EGPRS Multislot Class41	<input type="checkbox"/>
177	Rel-5	EGPRS Multislot Class42	<input type="checkbox"/>
178	Rel-5	EGPRS Multislot Class43	<input type="checkbox"/>
179	Rel-5	EGPRS Multislot Class44	<input type="checkbox"/>
180	Rel-5	EGPRS Multislot Class45	<input type="checkbox"/>
181		(Void)	---
182	Rel-7	GSM 710 band	<input type="checkbox"/>
183	Rel-7	T GSM 810 band	<input type="checkbox"/>
184	Rel-4	DTM/EGPRS Multislot Class 11	<input type="checkbox"/>
185	Rel-6	T-GSM 380 band	<input type="checkbox"/>
186	Rel-6	T-GSM 410 band	<input type="checkbox"/>
187	Rel-6	T-GSM 900 band	<input type="checkbox"/>
188	R99	EGPRS Multislot Operation in Uplink Direction	<input checked="" type="checkbox"/>
189	Rel-5	GMSK_MULTISLOT_POWER_PROFILE 0	<input checked="" type="checkbox"/>
190	Rel-5	GMSK_MULTISLOT_POWER_PROFILE 1	<input checked="" type="checkbox"/>
191	Rel-5	GMSK_MULTISLOT_POWER_PROFILE 2	<input checked="" type="checkbox"/>
192	Rel-5	GMSK_MULTISLOT_POWER_PROFILE 3	<input checked="" type="checkbox"/>
193	Rel-5	8-PSK_MULTISLOT_POWER_PROFILE 0	<input checked="" type="checkbox"/>
194	Rel-5	8-PSK_MULTISLOT_POWER_PROFILE 1	<input checked="" type="checkbox"/>
195	Rel-5	8-PSK_MULTISLOT_POWER_PROFILE 2	<input checked="" type="checkbox"/>
196	Rel-5	8-PSK_MULTISLOT_POWER_PROFILE 3	<input checked="" type="checkbox"/>

Item	Release	Type of Mobile Station	Supported
197	Rel-7	Multislot Capability Reduction for Downlink Dual Carrier of 0 or 1 Timeslots	<input type="checkbox"/>
198	Rel-7	Multislot Capability Reduction for Downlink Dual Carrier of 2 or more Timeslots	<input type="checkbox"/>
199	Rel-7	Support of 16 QAM in the Uplink	<input type="checkbox"/>
200	R96	Revision Level GSM Phase 1	<input type="checkbox"/>
201	Phase 2	Revision Level GSM Phase 2	<input type="checkbox"/>
202	R99	Revision Level MS supporting R99 or later	<input type="checkbox"/>
203	R99	8-PSK struct	<input type="checkbox"/>
204	R99	8-PSK RF Power Capability 1	<input type="checkbox"/>
205	R99	8-PSK RF Power Capability 2	<input type="checkbox"/>
206	R99	GSM 400 Power Class2	<input type="checkbox"/>
207	R99	GSM 400 Power Class3	<input type="checkbox"/>
208	R99	GSM 400 Power Class4	<input type="checkbox"/>
209	R99	GSM 400 Power Class5	<input type="checkbox"/>
210	R99	UMTS 3.84 Mcps TDD Radio Access Technology Capability	<input type="checkbox"/>
211	R99	CDMA 2000 Radio Access Technology Capability	<input type="checkbox"/>
212	R99	Single Band Support	<input type="checkbox"/>
213	R99	GSM 750 Power Class2	<input type="checkbox"/>
214	R99	GSM 750 Power Class3	<input type="checkbox"/>
215	R99	GSM 750 Power Class4	<input type="checkbox"/>
216	R99	GSM 750 Power Class5	<input type="checkbox"/>
217	R99	UMTS 1.28 Mcps TDD Radio Access Technology Capability	<input type="checkbox"/>
218	R99	GERAN Iu Mode Capabilities	<input type="checkbox"/>
219	R99	TSPC_FLO_Iu_Capability	<input type="checkbox"/>
220	R99	GSM 710 Power Class2	<input type="checkbox"/>
221	R99	GSM 710 Power Class3	<input type="checkbox"/>
222	R99	GSM 710 Power Class4	<input type="checkbox"/>
223	R99	GSM 710 Power Class5	<input type="checkbox"/>
224	R99	E-UTRA FDD support	<input type="checkbox"/>
225	R99	E-UTRA TDD support	<input type="checkbox"/>
226	Rel-6	ECSD Multi Slot class	<input type="checkbox"/>
227	Rel-6	T-GSM 400 Class2	<input type="checkbox"/>
228	Rel-6	T-GSM 400 Class3	<input type="checkbox"/>
229	Rel-6	T-GSM 400 Class4	<input type="checkbox"/>
230	Rel-6	T-GSM 400 Class5	<input type="checkbox"/>
231	Rel-7	T-GSM 810 Class2	<input type="checkbox"/>
232	Rel-7	T-GSM 810 Class3	<input type="checkbox"/>
233	Rel-7	T-GSM 810 Class4	<input type="checkbox"/>
234	Rel-7	T-GSM 810 Class5	<input type="checkbox"/>
235	Rel-6	DTM GPRS Multislot Class 31	<input type="checkbox"/>
236	Rel-6	DTM GPRS Multislot Class 32	<input type="checkbox"/>
237	Rel-6	DTM GPRS Multislot Class 33	<input type="checkbox"/>
238	Rel-6	DTM GPRS Multislot Class 34	<input type="checkbox"/>
239	Rel-6	DTM GPRS Multislot Class 35	<input type="checkbox"/>
240	Rel-6	DTM GPRS Multislot Class 36	<input type="checkbox"/>
241	Rel-6	DTM GPRS Multislot Class 37	<input type="checkbox"/>
242	Rel-6	DTM GPRS Multislot Class 38	<input type="checkbox"/>
243	Rel-6	DTM GPRS Multislot Class 39	<input type="checkbox"/>
244	Rel-6	DTM GPRS Multislot Class 40	<input type="checkbox"/>
245	Rel-6	DTM GPRS Multislot Class 41	<input type="checkbox"/>
246	Rel-6	DTM GPRS Multislot Class 42	<input type="checkbox"/>
247	Rel-6	DTM GPRS Multislot Class 43	<input type="checkbox"/>
248	Rel-6	DTM GPRS Multislot Class 44	<input type="checkbox"/>
249	Rel-6	DTM EGPRS Multislot Class 31	<input type="checkbox"/>
250	Rel-6	DTM EGPRS Multislot Class 32	<input type="checkbox"/>
251	Rel-6	DTM EGPRS Multislot Class 33	<input type="checkbox"/>
252	Rel-6	DTM EGPRS Multislot Class 34	<input type="checkbox"/>
253	Rel-6	DTM EGPRS Multislot Class 35	<input type="checkbox"/>
254	Rel-6	DTM EGPRS Multislot Class 36	<input type="checkbox"/>
255	Rel-6	DTM EGPRS Multislot Class 37	<input type="checkbox"/>
256	Rel-6	DTM EGPRS Multislot Class 38	<input type="checkbox"/>
257	Rel-6	DTM GPRS Multislot Class 6	<input type="checkbox"/>
258	Rel-6	DTM GPRS Multislot Class 10	<input type="checkbox"/>
259	Rel-6	EGPRS Multislot Class10	<input type="checkbox"/>
260	Rel-7	Support of 32 QAM in the Uplink	<input type="checkbox"/>

Table A.1b (3GPP TS 51.010-2): MS Feature Release Supported

Item	Release	MS Feature Release Supported	Supported	Value	
				Allowed	Supported
1	R97	Release of GPRS supported	<input checked="" type="checkbox"/>	R97, R98, R99, Rel-4, Rel-5, Rel-6, Rel-7, Rel-8	Rel-6
2	R98	Release of AMR supported	<input checked="" type="checkbox"/>	R98, R99, Rel-4, Rel-5, Rel-6, Rel-7, Rel-8	Rel 6
3	R99	Release of EGPRS supported	<input checked="" type="checkbox"/>	R99, Rel-4, Rel-5, Rel-6, Rel-7, Rel-8	Rel-6
4	R98	Release of RRLP supported	<input checked="" type="checkbox"/>	R98, R99, Rel-4, Rel-5, Rel-6, Rel-7, Rel-8	Rel-5
5	R97	Release of Higher Layer supported	<input checked="" type="checkbox"/>	R97, R98, R99, Rel-4, Rel-5, Rel-6, Rel-7, Rel-8	Rel-6
6	Rel-4	Release of Acoustic implementation supported	<input type="checkbox"/>	Rel-4, Rel-5, Rel-6, Rel-7, Rel-8	

Table A.2 (3GPP TS 51.010-2): Mobile Station Features

Item	Release	Mobile Station Feature	Supported
1	Phase2	Display of Called Number	<input type="checkbox"/>
2	Phase2	Indication of Call Progress Signals	<input type="checkbox"/>
3	Phase2	Country / PLMN Indication	<input type="checkbox"/>
4	Phase2	Country / PLMN Selection	<input checked="" type="checkbox"/>
5	Phase2	Keypad	<input type="checkbox"/>
6	Phase2	IMEI	<input checked="" type="checkbox"/>
7	Phase2	Short Message Overflow Indication	<input type="checkbox"/>
8	Phase2	DTE /DCE Interface	<input type="checkbox"/>
9	Phase2	ISDN "S" Interface	<input type="checkbox"/>
10	Phase2	International Access Function	<input type="checkbox"/>
11	Phase2	Service Indicator	<input checked="" type="checkbox"/>
12	Phase2	Autocalling restriction capabilities	<input type="checkbox"/>
13	Phase2	Dual Tone Multi Frequency function	<input checked="" type="checkbox"/>
14	Phase2	Subscription Identity Management	<input checked="" type="checkbox"/>
15	Phase2	On / Off switch	<input checked="" type="checkbox"/>
16	Phase2	Subaddress	<input type="checkbox"/>
17	Phase2	Support of Encryption A5/1	<input checked="" type="checkbox"/>
18		(Void)	---
19	Phase2	Short Message Service Cell Broadcast DRX	<input type="checkbox"/>
20	Phase2	Abbreviated Dialling	<input type="checkbox"/>
21	Phase2	Fixed Dialling Number	<input type="checkbox"/>
22	Phase2	Barring of Outgoing Calls	<input type="checkbox"/>
23	Phase2	DTMF Control Digits Separator	<input type="checkbox"/>
24	Phase2	Selection of Directory No in Short Messages	<input type="checkbox"/>
25	Phase2	Last Numbers Dialed	<input type="checkbox"/>
26	Phase2	At least one autocalling feature	<input type="checkbox"/>
27	Phase2	Alphanumeric display	<input type="checkbox"/>
28	Phase2	Other means of display	<input type="checkbox"/>
29	Phase2	Speech indicator	<input type="checkbox"/>
30	R96	Support of the extended Short message cell broadcast channel	<input type="checkbox"/>
31	R96	Support of Additional Call Set-up MMI Procedures	<input type="checkbox"/>
32		(Void)	---
33	Ph2(R96)	Ciphering Indicator	<input type="checkbox"/>
34	R96	Network's indication of alerting in the MS \$(NI Alert in MS)\$	<input type="checkbox"/>
35	R96	ME-SIM lock	<input checked="" type="checkbox"/>
36	R96	Service Dialling Numbers	<input type="checkbox"/>
37	R99	Extended timing advance	<input type="checkbox"/>
38	R98	Support of SoLSA	<input type="checkbox"/>
39	R96	Audible Indication of Service Tones	<input type="checkbox"/>
40	Phase2	Autocalling_Cause 27 Implemented in Cat 3	<input type="checkbox"/>
41	R97	Support of GPRS	<input checked="" type="checkbox"/>
42	R99	Support of EGPRS	<input checked="" type="checkbox"/>
43	R98	Support of GPRS Encryption	<input checked="" type="checkbox"/>
44	Phase2	Control of Supplementary Services	<input checked="" type="checkbox"/>
45	Phase2	Short message	<input checked="" type="checkbox"/>
46	Phase2	Emergency calls capabilities	<input type="checkbox"/>
47	R97	GPRS operation mode class A	<input type="checkbox"/>
48	R97	GPRS operation mode class B	<input checked="" type="checkbox"/>
49	R97	GPRS operation mode class C	<input type="checkbox"/>
50	R99	MS supporting SMS over GPRS	<input checked="" type="checkbox"/>
51		(Void)	---
52		(Void)	---
53	R99	Support of ECSD	<input type="checkbox"/>

Item	Release	Mobile Station Feature	Supported
54	R97	GPRS test mode A	<input checked="" type="checkbox"/>
55	R97	GPRS test mode B	<input checked="" type="checkbox"/>
56		EGPRS test mode	<input checked="" type="checkbox"/>
57	R98	Support of MS-Assisted E-OTD	<input type="checkbox"/>
58	R97	Non-zero value of Non_DRX_Timer	<input checked="" type="checkbox"/>
59	R98	Support of MS-Based A-GPS L1 C/A	<input checked="" type="checkbox"/>
60	R98	Support of MS-Assisted A-GPS L1 C/A	<input checked="" type="checkbox"/>
61	R98	Privacy Option Supported	<input type="checkbox"/>
62	R99	Support of DTM/GPRS	<input type="checkbox"/>
63	R98	Support of MS Assisted EOTD Performance for GMSK	<input type="checkbox"/>
64	R99	Support of MS Assisted EOTD Performance for 8PSK	<input type="checkbox"/>
65	R99 only	Support of EGPRS Packet Access enhancement	<input checked="" type="checkbox"/>
66		(Void)	---
67	R99	Support of MT SMS over GPRS	<input checked="" type="checkbox"/>
68		(Void)	---
69	R99	Support of DTM/EGPRS	<input type="checkbox"/>
70	R99	Support of Extended dynamic allocation	<input checked="" type="checkbox"/>
71	Rel-6	Support of GAN	<input type="checkbox"/>
72	Rel-4	Support of GERAN FEATURE PACKAGE 1	<input checked="" type="checkbox"/>
73	Rel-6	Support of Encryption A5/3	<input checked="" type="checkbox"/>
74	Rel-4	Support of Fine Time Assistance	<input type="checkbox"/>
75	R97	Support of Encryption GEA2	<input checked="" type="checkbox"/>
76	Rel-6	Support of Encryption GEA3	<input checked="" type="checkbox"/>
77	Up to R98	Use of R99 Emergency numbers	<input type="checkbox"/>
78	Rel-5	Support of GERAN FEATURE PACKAGE 2	<input type="checkbox"/>
79	Rel-6	Support of GAN to UTRAN CS Handover	<input type="checkbox"/>
80	Rel-6	Support of UTRAN to GAN CS Handover	<input type="checkbox"/>
81	Rel-6	Support of Enhanced DTM CS	<input type="checkbox"/>
82	Rel-6	Support of PS Handover	<input checked="" type="checkbox"/>
83	Rel-6	Support of simultaneous CS and PS services in GAN	<input type="checkbox"/>
84	Rel-7	Support of Latency reductions	<input type="checkbox"/>
85	Rel-7	Support of Downlink Dual Carrier	<input type="checkbox"/>
86	Rel-7	Support of UEA2 and UIA2	<input type="checkbox"/>
87	Rel-9	Support of Encryption A5/4	<input type="checkbox"/>
88	Rel-9	Support of Encryption GEA4	<input type="checkbox"/>
89	Rel-7	Support of EGPRS2A	<input type="checkbox"/>
90	Rel-7	Support of EGPRS2B	<input type="checkbox"/>
91	Rel-8	eCall only equipment	<input type="checkbox"/>
92	Rel-8	eCall Support on MS	<input type="checkbox"/>
93	Rel-7	Support of DTM during Downlink Dual Carrier	<input type="checkbox"/>
94	Rel-7	Support of MS-Based A-GANSS	<input type="checkbox"/>
95	Rel-7	Support of MS-Assisted A-GANSS	<input type="checkbox"/>
96	Rel-8	Support for GLONASS	<input type="checkbox"/>
97	Rel-8	Support for Modernized GPS	<input type="checkbox"/>
98	Rel-7	Support for Galileo	<input type="checkbox"/>
99	Rel-8	Support of CS domain in GAN Iu mode	<input type="checkbox"/>
100	Rel-8	Support of PS domain in GAN Iu mode	<input type="checkbox"/>
101	Rel-8	Support of GAN Iu mode	<input type="checkbox"/>
102	R98	Support of MS-Based E-OTD	<input type="checkbox"/>
103	Rel-7	Additional Positioning Capabilities	<input type="checkbox"/>
104	R99	Ciphering Mode Setting Capability	<input type="checkbox"/>

Table A.3 (3GPP TS 51.010-2): Teleservices

Item	Release	Teleservice	Supported
1	Phase2	Telephony	<input checked="" type="checkbox"/>
2	Phase2	Emergency Call	<input type="checkbox"/>
3	Phase2	Short Message MT/PP	<input checked="" type="checkbox"/>
4	Phase2	Short Message MO/PP	<input checked="" type="checkbox"/>
5	Phase2	SMS Cell Broadcast	<input type="checkbox"/>
6	Phase2	Teleservice Alternate Speech and G3 fax	<input type="checkbox"/>
7	Phase2	Teleservice Automatic G3 fax	<input checked="" type="checkbox"/>
8	R96	Voice Group Call Service (VGCS)	<input type="checkbox"/>
9	R96	Voice Broadcast Service (VBS)	<input type="checkbox"/>
10	R96	SMS description	<input type="checkbox"/>

Table A.4 (3GPP TS 51.010-2): Bearer Services

Item	Release	Bearer Service	Supported
1	Phase2	Data circuit duplex async. 300 bit/s	<input type="checkbox"/>
2	Phase2	Data circuit duplex async. 1 200 bit/s	<input type="checkbox"/>
3	Phase2	Data circuit duplex async. 1 200/75 bit/s	<input type="checkbox"/>
4	Phase2	Data circuit duplex async. 2 400 bit/s	<input type="checkbox"/>
5	Phase2	Data circuit duplex async. 4 800 bit/s	<input type="checkbox"/>
6	Phase2	Data circuit duplex async. 9 600 bit/s	<input checked="" type="checkbox"/>
7	Phase2	Data circuit duplex sync. 1 200 bit/s	<input type="checkbox"/>
8	Phase2	Data circuit duplex sync. 2 400 bit/s	<input type="checkbox"/>
9	Phase2	Data circuit duplex sync. 4 800 bit/s	<input type="checkbox"/>
10	Phase2	Data circuit duplex sync. 9 600 bit/s	<input type="checkbox"/>
11	Phase2	PAD Access 300 bit/s	<input type="checkbox"/>
12	Phase2	PAD Access 1 200 bit/s	<input type="checkbox"/>
13	Phase2	PAD Access 1 200/75 bits/s	<input type="checkbox"/>
14	Phase2	PAD Access 2 400 bit/s	<input type="checkbox"/>
15	Phase2	PAD Access 4 800 bit/s	<input type="checkbox"/>
16	Phase2	PAD Access 9 600 bit/s	<input type="checkbox"/>
17	Phase2	Packet Access 2 400 bit/s	<input type="checkbox"/>
18	Phase2	Packet Access 4 800 bit/s	<input type="checkbox"/>
19	Phase2	Packet Access 9 600 bit/s	<input type="checkbox"/>
20	Phase2	Alternate Speech/Data	<input type="checkbox"/>
21	Phase2	Speech Followed by Data	<input type="checkbox"/>
22	R97	GPRS	<input checked="" type="checkbox"/>
23	Rel-6	Bluetooth data rate	<input type="checkbox"/>
24	Rel-6	WLAN data rate	<input type="checkbox"/>

Table A.5 (3GPP TS 51.010-2): Supplementary Services

Item	Release	Supplementary Service	Supported
1	Phase2	Calling Line Identification Presentation	<input checked="" type="checkbox"/>
2	Phase2	Calling Line Identification Restriction	<input checked="" type="checkbox"/>
3	Phase2	Connected Line Identification Presentation	<input checked="" type="checkbox"/>
4	Phase2	Connected Line Identification Restriction	<input checked="" type="checkbox"/>
5	Phase2	Call Forwarding Unconditional	<input checked="" type="checkbox"/>
6	Phase2	Call Forwarding on Mobile Subscriber Busy	<input checked="" type="checkbox"/>
7	Phase2	Call Forwarding on No Reply	<input checked="" type="checkbox"/>
8	Phase2	Call Forwarding on Mobile Subscriber Not Reachable	<input checked="" type="checkbox"/>
9	Phase2	Call Waiting	<input checked="" type="checkbox"/>
10	Phase2	Call Hold	<input checked="" type="checkbox"/>
11	Phase2	Multi Party Service	<input checked="" type="checkbox"/>
12	Phase2	Closed User Group	<input checked="" type="checkbox"/>
13	Phase2	Advice of Charge (Information)	<input checked="" type="checkbox"/>
14	Phase2	Advice of Charge (Charging)	<input checked="" type="checkbox"/>
15	Phase2	Barring of All Outgoing Calls.	<input checked="" type="checkbox"/>
16	Phase2	Barring of Outgoing International Calls	<input checked="" type="checkbox"/>
17	Phase2	Barring of Outgoing International Calls except those directed to the Home PLMN Country	<input checked="" type="checkbox"/>
18	Phase2	Barring of All Incoming Calls	<input checked="" type="checkbox"/>
19	Phase2	Barring of Incoming Calls when Roaming Outside the Home PLMN Country	<input checked="" type="checkbox"/>
20	Phase2	Unstructured SS Data	<input checked="" type="checkbox"/>
21	R96	enhanced Multi-Level Precedence and Pre-emption service (eMLPP)	<input type="checkbox"/>
22	R96	Call Deflection	<input checked="" type="checkbox"/>
23	R96	User-to-User signalling	<input type="checkbox"/>
24	R96	Explicit Call Transfer	<input checked="" type="checkbox"/>
25	R96	Implicit UUS1	<input type="checkbox"/>
26	R98	Sending of implicit UUS1 in the ALERTING message	<input type="checkbox"/>
27	R98	Sending of implicit UUS1 in the CONNECT message	<input type="checkbox"/>
28	R99	Follow Me	<input type="checkbox"/>
29	Rel-4	User-to-Dispatcher Information	<input type="checkbox"/>
30	Rel-4	Compressed User-to-Dispatcher	<input type="checkbox"/>
31	R97	Completion of Calls to Busy SS	<input type="checkbox"/>
32	R97	Completion of Calls to Busy Requests	<input type="checkbox"/>
33	R97	Support of Private Numbering Plan SS	<input type="checkbox"/>
34	R97	Support of Private Numbering Plan , Numbering Plans	<input type="checkbox"/>
35	R97	Name Identification SS	<input checked="" type="checkbox"/>
36		(Void)	---
37	R98	Support of MO-LR request for a position estimate	<input checked="" type="checkbox"/>

Item	Release	Supplementary Service	Supported
38	R98	Support of MO-LR request for transfer to 3rd party	<input type="checkbox"/>
39	R98	Support of MT-LR	<input checked="" type="checkbox"/>
40	R98	Support of MO-LR request for assistance data	<input checked="" type="checkbox"/>

Table A.6 (3GPP TS 51.010-2): Groups for possible bearer capabilities

Item	Release	Bearer Capability Group	Supported
1	Ph2(R96)	Bearer Service 21(20) .. 26, unrestricted digital information transfer capability	<input checked="" type="checkbox"/>
2	Ph2(R96)	Bearer Service 21(20) .. 26, 3.1 kHz audio ex-PLMN information transfer capability	<input checked="" type="checkbox"/>
3	Ph2(R96)	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31 .. BS 34)	<input type="checkbox"/>
4	Ph2(R96)	Bearer Service 31(30) .. 34, unrestricted digital information transfer capability; X.32 Cases	<input type="checkbox"/>
5	Ph2(R96)	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases	<input type="checkbox"/>
6	Ph2(R96)	Bearer Service 31(30) .. 34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases	<input type="checkbox"/>
7	Ph2(R96)	Bearer Service 41(40)..46, PAD Access Asynchronous	<input type="checkbox"/>
8	Ph2(R96)	Bearer Service 51(50)..53, Data Packet Duplex Synchronous	<input type="checkbox"/>
9	Phase2	Bearer Service 61, Alternate Speech/Data, "Speech"	<input type="checkbox"/>
10	Phase2	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	<input type="checkbox"/>
11	Phase2	Bearer Service 61, Alternate Speech/Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous	<input type="checkbox"/>
12	Phase2	Bearer Service 81, Speech followed by Data, "Speech"	<input type="checkbox"/>
13	Phase2	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	<input type="checkbox"/>
14	Phase2	Bearer Service 81, Speech followed by Data, .3.1 kHz audio ex-PLMN information transfer capability; Synchronous	<input type="checkbox"/>
15	Phase2	Teleservice 11..12, Speech	<input type="checkbox"/>
16	Phase2	Teleservice 61, Alternate Speech and Facsimile group 3; "Speech"	<input type="checkbox"/>
17	Phase2	Teleservice 61, Alternate Speech and Facsimile group 3; Facsimile group 3	<input type="checkbox"/>
18	Phase2	Teleservice 62, Automatic Facsimile group 3	<input type="checkbox"/>

Table A.7 (3GPP TS 51.010-2): Bearer Service 20..26, UDI/RDI

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	Signalling Access Protocol (SAP)	I.440	<input checked="" type="checkbox"/>
			X.28nond	<input type="checkbox"/>
2	Phase2	Connection Element (CE)	NT	<input checked="" type="checkbox"/>
			bothNT	<input type="checkbox"/>
			T	<input type="checkbox"/>
			bothT	<input type="checkbox"/>
			ISO6429	<input checked="" type="checkbox"/>
3	Phase2	User Info Layer 2 Protocol (UIL2P)	ICOPnoFICt	<input checked="" type="checkbox"/>
			NAV	<input checked="" type="checkbox"/>
4	Phase2	Number of Data Bits(NDB)	7 bits	<input checked="" type="checkbox"/>
			8 bits	<input checked="" type="checkbox"/>
5	Phase2	Parity Information (NPB)	odd	<input type="checkbox"/>
			even	<input type="checkbox"/>
			0	<input type="checkbox"/>
			1	<input type="checkbox"/>
			none	<input checked="" type="checkbox"/>
			1 bit	<input checked="" type="checkbox"/>
6	Phase2	Number of Stop Bits (NSB)	2 bits	<input checked="" type="checkbox"/>
			dualHR	<input type="checkbox"/>
7	Phase2	Radio Channel Requirement (RCR)	FR	<input checked="" type="checkbox"/>
			dualFR	<input type="checkbox"/>
8	Phase2	Intermediate Rate (IR)	8 kbps	<input type="checkbox"/>
			16 kbps	<input checked="" type="checkbox"/>
9	Phase2	User Rate (UR)	0.3	<input type="checkbox"/>
			1.2	<input type="checkbox"/>
			2.4	<input type="checkbox"/>
			4.8	<input type="checkbox"/>
			9.6	<input checked="" type="checkbox"/>
			1.2/0.075	<input type="checkbox"/>
10	R96	Fixed Network User Rate (FNUR)	9.6	<input checked="" type="checkbox"/>
			14.4	<input checked="" type="checkbox"/>
			19.2	<input type="checkbox"/>
			28.8	<input type="checkbox"/>
			38.4	<input type="checkbox"/>
			48	<input type="checkbox"/>
			56	<input type="checkbox"/>
NAV	<input type="checkbox"/>			

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
11	R96	Wanted Air Interface User Rate (WAIUR)	9.6	<input checked="" type="checkbox"/>
			14.4	<input checked="" type="checkbox"/>
			19.2	<input type="checkbox"/>
			28.8	<input type="checkbox"/>
			38.4	<input type="checkbox"/>
			43.2	<input type="checkbox"/>
			57.6	<input type="checkbox"/>
			NAV	<input type="checkbox"/>
12	R96	User Initiated Modification Indication (UIMI)	not req.	<input type="checkbox"/>
			upto1	<input type="checkbox"/>
			upto2	<input type="checkbox"/>
			upto3	<input type="checkbox"/>
			upto4	<input type="checkbox"/>
			NAV	<input checked="" type="checkbox"/>
13	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	<input checked="" type="checkbox"/>
			2	<input type="checkbox"/>
			3	<input type="checkbox"/>
			4	<input type="checkbox"/>
			NAV	<input type="checkbox"/>
			10a	---

Table A.8 (3GPP TS 51.010-2): Bearer Service 20..26, 3.1 kHz

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	Signalling Access Protocol (SAP)	1.440	<input checked="" type="checkbox"/>
			X.28nond	<input type="checkbox"/>
2	Phase2	Connection Element (CE)	NT	<input checked="" type="checkbox"/>
			bothNT	<input type="checkbox"/>
			T	<input type="checkbox"/>
			bothT	<input type="checkbox"/>
			ISO6429	<input checked="" type="checkbox"/>
3	Phase2	User Info Layer 2 Protocol (UIL2P)	COPnoFICt	<input checked="" type="checkbox"/>
			NAV	<input checked="" type="checkbox"/>
			NAV	<input checked="" type="checkbox"/>
4	Phase2	Number of Data Bits (NDB)	7 bits	<input checked="" type="checkbox"/>
			8 bits	<input checked="" type="checkbox"/>
5	Phase2	Parity Information (NPB)	odd	<input type="checkbox"/>
			even	<input type="checkbox"/>
			0	<input type="checkbox"/>
			1	<input type="checkbox"/>
			none	<input checked="" type="checkbox"/>
			1 bit	<input checked="" type="checkbox"/>
6	Phase2	Number of Stop Bits (NSB)	2 bits	<input checked="" type="checkbox"/>
			2 bits	<input checked="" type="checkbox"/>
7	Phase2	Radio Channel Requirement (RCR)	dualHR	<input type="checkbox"/>
			FR	<input checked="" type="checkbox"/>
			dualFR	<input type="checkbox"/>
			8 kbps	<input type="checkbox"/>
8	Phase2	Intermediate Rate (IR)	16 kbps	<input checked="" type="checkbox"/>
			16 kbps	<input checked="" type="checkbox"/>
9	Phase2	User Rate (UR)	0.3	<input type="checkbox"/>
			1.2	<input type="checkbox"/>
			2.4	<input type="checkbox"/>
			4.8	<input type="checkbox"/>
			9.6	<input checked="" type="checkbox"/>
			1.2/0.075	<input type="checkbox"/>
			V.21	<input type="checkbox"/>
10	Phase2	Modem Type (MT)	V.22	<input type="checkbox"/>
			V.22bis	<input type="checkbox"/>
			V.26ter	<input type="checkbox"/>
			V.32	<input checked="" type="checkbox"/>
			V.23	<input type="checkbox"/>
			auto1	<input checked="" type="checkbox"/>
			9.6	<input checked="" type="checkbox"/>
11	R96	Fixed Network User Rate (FNUR)	14.4	<input checked="" type="checkbox"/>
			19.2	<input type="checkbox"/>
			28.8	<input type="checkbox"/>
			NAV	<input type="checkbox"/>
			NAV	<input type="checkbox"/>
			NAV	<input type="checkbox"/>

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
12	R96	Wanted Air Interface User Rate (WAIUR)	9.6	<input checked="" type="checkbox"/>
			14.4	<input checked="" type="checkbox"/>
			19.2	<input type="checkbox"/>
			28.8	<input type="checkbox"/>
			38.4	<input type="checkbox"/>
			43.2	<input type="checkbox"/>
13	R96	Acceptable channel codings (ACC)	4.8	<input type="checkbox"/>
			9.6	<input checked="" type="checkbox"/>
			14.4	<input checked="" type="checkbox"/>
			NAV	<input type="checkbox"/>
14	R96	User Initiated Modification Indication (UIMI)	not req.	<input type="checkbox"/>
			upto1	<input type="checkbox"/>
			upto2	<input type="checkbox"/>
			upto3	<input type="checkbox"/>
			upto4	<input type="checkbox"/>
			NAV	<input checked="" type="checkbox"/>
15	R96	Maximum number of Traffic Channels (MaxNumTCH)	1	<input checked="" type="checkbox"/>
			2	<input type="checkbox"/>
			3	<input type="checkbox"/>
			4	<input type="checkbox"/>
			NAV	<input type="checkbox"/>
11a	---	all allowed combinations according to 3GPP TS 07.01 B.1.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)	<input checked="" type="checkbox"/>	

Table A.21 (3GPP TS 51.010-2): Teleservice 11..12, Speech

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	Radio Channel Requirement (RCR)	dualHR	<input type="checkbox"/>
			FR	<input checked="" type="checkbox"/>
			dualFR	<input checked="" type="checkbox"/>

Table A.24 (3GPP TS 51.010-2): Teleservice 62, Automatic G3 fax

Item	Release	Bearer Capability Elements	Values	
			Allowed	Supported
1	Phase2	Connection Element (CE)	NT	<input type="checkbox"/>
			bothNT	<input type="checkbox"/>
			T	<input checked="" type="checkbox"/>
			bothT	<input type="checkbox"/>
2	Phase2	User Info Layer 2 Protocol (UIL2P)	X.25	<input type="checkbox"/>
			NAV	<input checked="" type="checkbox"/>
3	Phase2	Intermediate Rate (IR)	8 kbps	<input type="checkbox"/>
			16 kbps	<input checked="" type="checkbox"/>
4	Phase2	User Rate (UR)	2.4	<input type="checkbox"/>
			4.8	<input type="checkbox"/>
			9.6	<input checked="" type="checkbox"/>
5	---	all allowed combinations according to 3GPP TS 07.01 B.1.11 (3GPP TS 27.001, annex B) implemented (if not, provide detailed description)	<input checked="" type="checkbox"/>	

Table.A.25 (3GPP TS 51.010-2): Additional Information

Item	Release	Additional Information	Supported
1	Phase2	at least one half rate service	<input type="checkbox"/>
2	Phase2	Speech supported for Full rate version 1 (GSM FR)	<input type="checkbox"/>
3	Phase2	Speech supported for Half rate version 1 (GSM HR)	<input type="checkbox"/>
4	Phase2	at least one data service	<input checked="" type="checkbox"/>
5	Phase2	at least one full rate data service	<input checked="" type="checkbox"/>
6	Phase2	at least one half rate data service	<input type="checkbox"/>
7	Phase2	at least one non transparent data service	<input checked="" type="checkbox"/>
8	Phase2	at least one transparent data service	<input type="checkbox"/>
9	Phase2	only transparent data service	<input type="checkbox"/>
10	Phase2	at least one asynchronous data service	<input checked="" type="checkbox"/>

Item	Release	Additional Information	Supported
11	Phase2	at least one asynchronous non transparent data service	<input checked="" type="checkbox"/>
12	Phase2	2.4 k full rate data mode	<input type="checkbox"/>
13	Phase2	2.4 k half rate data mode	<input type="checkbox"/>
14	Phase2	4.8 k full rate data mode	<input type="checkbox"/>
15	Phase2	4.8 k half rate data mode	<input type="checkbox"/>
16	Phase2	9.6 k full rate data mode	<input checked="" type="checkbox"/>
17	Phase2	non transparent service with full rate channel at a user rate of 4.8 kbit/s	<input type="checkbox"/>
18	Phase2	at least one bearer capability	<input checked="" type="checkbox"/>
19	Phase2	at least one MT circuit switched basic service	<input checked="" type="checkbox"/>
20	Phase2	at least one MO circuit switched basic service	<input checked="" type="checkbox"/>
21	Phase2	only SDCCCH	<input type="checkbox"/>
22	Phase2	at least one service on traffic channel supported	<input checked="" type="checkbox"/>
23	Phase2	dual rate radio channel types (no relation to supported speech codecs)	<input checked="" type="checkbox"/>
24	Phase2	only full rate radio channel type (no relation to supported speech codecs)	<input type="checkbox"/>
25	Phase2	at least one teleservice	<input checked="" type="checkbox"/>
26	Phase2	CC protocol for at least one BC	<input checked="" type="checkbox"/>
27	Phase2	only circuit switched basic service supported by the mobile is emergency call	<input type="checkbox"/>
28	Phase2	Fax Error Correction Mode	<input type="checkbox"/>
29	Phase2	at least one supplementary service	<input checked="" type="checkbox"/>
30	Phase2	non call related supplementary service	<input checked="" type="checkbox"/>
31	Phase2	at least one short message service	<input checked="" type="checkbox"/>
32	Phase2	(SMS) reply procedure	<input checked="" type="checkbox"/>
33	Phase2	replace SMS	<input type="checkbox"/>
34	Phase2	display of received SMS	<input checked="" type="checkbox"/>
35	Phase2	SMS status report capabilities	<input type="checkbox"/>
36	Phase2	Storing of short messages in the SIM	<input checked="" type="checkbox"/>
37	Phase2	Storing of short messages in the ME	<input type="checkbox"/>
38	Phase2	detach on power down	<input checked="" type="checkbox"/>
39	Phase2	detach on SIM remove	<input type="checkbox"/>
40	Phase2	SIM removable without power down	<input type="checkbox"/>
41	Phase2	ID-1 SIM	<input type="checkbox"/>
42	Phase2	Plug-In SIM	<input checked="" type="checkbox"/>
43	Phase2	Disable PIN feature	<input checked="" type="checkbox"/>
44	Phase2	PIN2 feature	<input checked="" type="checkbox"/>
45	Phase2	Feature requiring entry of PIN2	<input checked="" type="checkbox"/>
46	Phase2	Chars 0-9, *, # supported	<input checked="" type="checkbox"/>
47	Phase2	A, B, C, D chars. Supported	<input type="checkbox"/>
48	Phase2	automatically enter automatic selection of PLMN mode	<input checked="" type="checkbox"/>
49	Phase2	alerting indication to the user	<input checked="" type="checkbox"/>
50	R98	Appl. Layer is always running	<input type="checkbox"/>
51	Phase2	Immediate connect supported for all circuit switched basic services	<input type="checkbox"/>
52	Phase2	In-Call modification	<input type="checkbox"/>
53	Phase2	follow-on request procedure	<input checked="" type="checkbox"/>
54	Phase2	refusal of call	<input type="checkbox"/>
55	Phase2	RF amplification	<input type="checkbox"/>
56	Phase2	Number of B-party number for autocalling is greater than the number of entries in the blacklist	<input type="checkbox"/>
57	Phase2	Handset MS supporting speech	<input type="checkbox"/>
58	Phase2	MT2 Configuration	<input type="checkbox"/>
59	Phase2	MT2 Configuration or any other possibility to send data over Um interface	<input type="checkbox"/>
60	Rel-4	Permanent Antenna Connector	<input checked="" type="checkbox"/>
61	Phase2	Pseudo-synchronized handover supported	<input checked="" type="checkbox"/>
62	R96	5V only SIM/ME interface	<input type="checkbox"/>
63	R96	3V only SIM/ME interface	<input type="checkbox"/>
64	R96	3V/5V SIM/ME interface	<input type="checkbox"/>
65	Phase2	Speech supported for Full rate version 2 (GSM EFR)	<input type="checkbox"/>
66a	Phase2	RPL supports non default parameters	<input checked="" type="checkbox"/>
66b	R96	Support of listening to voice broadcast calls (VBS listening)	<input type="checkbox"/>
67	R96	Support of originating voice broadcast call (VBS originating)	<input type="checkbox"/>
68	R96	Support of listening to voice group calls (VGCS listening)	<input type="checkbox"/>
69	R96	Support of talking in voice group calls (VGCS talking)	<input type="checkbox"/>
70	R96	Support of originating voice group call (VGCS originating)	<input type="checkbox"/>
71	R96	Support reduced NCH monitoring	<input type="checkbox"/>
72	R96	14.4 k data mode	<input checked="" type="checkbox"/>
73	Phase2	Implementation of cause number 27 of busy autocalling in category 2	<input type="checkbox"/>
74	Phase2	Implementation of cause number 27 of busy autocalling in category 3	<input type="checkbox"/>
75		(Void)	---
76	Phase2 *	Artificial ear type 1 (* Phase 2 up to and including Release 4)	<input type="checkbox"/>

Item	Release	Additional Information	Supported
77	Phase2	Artificial ear type 3.2, Low leak option	<input type="checkbox"/>
78	R96	Artificial ear type 3.4	<input type="checkbox"/>
79	R98	Speech supported for Full rate version 3 (FR AMR)	<input checked="" type="checkbox"/>
80	R96	NCH monitoring in group receive mode	<input type="checkbox"/>
81	R96	NCH monitoring in group transmit mode	<input type="checkbox"/>
82	R96	NCH monitoring in dedicated mode	<input type="checkbox"/>
83	R97	Support of one PDP context activation	<input checked="" type="checkbox"/>
84	R97	Support of more than one PDP context activation	<input type="checkbox"/>
85	R97	Support of more than one PDP context activation simultaneously on the same SAPI	<input type="checkbox"/>
86	R97	Support of GPRS data compression	<input checked="" type="checkbox"/>
87	R98	Support of GPRS header compression	<input checked="" type="checkbox"/>
88	R97	Support of Network requested PDP context activation	<input type="checkbox"/>
89	R97	Support for user settings of minimum QoS	<input checked="" type="checkbox"/>
90	R97	Automatic GPRS attach procedure at switch-on/power-on	<input checked="" type="checkbox"/>
91	R97	MMI controlled attach/detach procedures for non-GPRS services	<input type="checkbox"/>
92	R97	Automatic attach procedure when MS identity cannot derived by the network	<input checked="" type="checkbox"/>
93	R98	Automatic MM IMSI attach procedure at switch-on / power-on	<input checked="" type="checkbox"/>
94	R96	Support of SIM Application Toolkit	<input checked="" type="checkbox"/>
95	R98	1.8V only SIM/ME interface	<input type="checkbox"/>
96	R98	1.8V/3V SIM/ME interface	<input checked="" type="checkbox"/>
97	Phase2	Multiple SM MO/PP on same RR link	<input type="checkbox"/>
98	Phase2	Support of stored list cell selection	<input checked="" type="checkbox"/>
99	Phase2	at least one service not support immediate connection	<input checked="" type="checkbox"/>
100		(Void)	---
101		(Void)	---
102	Phase2	EFR_EmgCallSetup message contains the bearer capability	<input type="checkbox"/>
103	Phase2	Support of MonitorPCH_GroupTransmitMode	<input type="checkbox"/>
104	Rel-4	Integral_Antenna	<input type="checkbox"/>
105	R97	User requested combined GPRS and non-GPRS detached without powering off	<input type="checkbox"/>
106	R97	User requested non-GPRS detached	<input type="checkbox"/>
107	Phase2	Artificial ear type 3.2, High leak option	<input type="checkbox"/>
108	R96	Artificial ear type 3.3	<input type="checkbox"/>
109	Phase2	Support of Multiple SMS	<input type="checkbox"/>
110	R97	Cell Reselection after T3184 Expiry	<input checked="" type="checkbox"/>
111	R97	GPRS attach attempted automatically due to outstanding request	<input checked="" type="checkbox"/>
112	R98	Speech supported for Half rate version 3 (HR AMR)	<input checked="" type="checkbox"/>
113	R5	AMR LoopBack Modes	<input checked="" type="checkbox"/>
114	R99	TTY services	<input type="checkbox"/>
115	R99	Support of Secondary PDP Context Activation	<input type="checkbox"/>
116	Phase2	Support of MO SMS Concatenation	<input checked="" type="checkbox"/>
117	Phase2	Support of MT SMS Concatenation	<input checked="" type="checkbox"/>
118	R97	NITZ Supported	<input type="checkbox"/>
119	R97	Use of NITZ DST (Daylight Saving Time)	<input type="checkbox"/>
120		(Void)	---
121	R97	Re-attach automatically when the network commands a detach with no cause value	<input type="checkbox"/>
122	R98	Support of GPRS header compression algorithm type RFC 1144	<input checked="" type="checkbox"/>
123	R99	Support of GPRS header compression algorithm type RFC 2507	<input checked="" type="checkbox"/>
124	Rel-6	Support of ROHC algorithm type RFC 3241	<input type="checkbox"/>
125	Rel-6	Support of ROHC algorithm type RFC 3242	<input type="checkbox"/>
126	Rel-6	Support of ROHC algorithm type RFC 3408	<input type="checkbox"/>
127	Rel-6	Support of ROHC algorithm type RFC 3095	<input type="checkbox"/>
128	R97	The way to trigger transferring of new user data in a different PDP context while an uplink transfer is in progress	<input checked="" type="checkbox"/>
129	R99	Support of DARP phase 1	<input type="checkbox"/>
130	R99	Support of Card Application	<input checked="" type="checkbox"/>
131	Rel-5	Support of GSM half rate speech version 6 (O-TCH/AHS)	<input type="checkbox"/>
132	R99	MS with improved receiver performance	<input checked="" type="checkbox"/>
133	Rel-5	Support of GSM speech full rate version 4 (O-TCH/WFS)	<input type="checkbox"/>
134	R97	Verification for correct repetition of new password	<input type="checkbox"/>
135	R99	MS using reduced interslot dynamic range in multislot configurations	<input type="checkbox"/>
136	Rel-5	Support of GSM speech half rate version 4 (O-TCH/WHS)	<input type="checkbox"/>
137	Rel-5	Support of GSM Speech Full Rate version 5 (TCH/WFS)	<input type="checkbox"/>
138	Phase2	Support of overwriting the existing Class 2 SMS	<input type="checkbox"/>
139	Rel-6	Support of Repeated SACCH	<input checked="" type="checkbox"/>
140	R98	Support for a method for resetting stored A-GPS assistance data	<input checked="" type="checkbox"/>
141	Rel-7	Support of DARP phase 2	<input type="checkbox"/>
142	Rel-4	Support of Rel-4 acoustic implementation	<input type="checkbox"/>
143	R99	MS with no components having RF performance sensitive to vibration condition during testing	<input checked="" type="checkbox"/>

Item	Release	Additional Information	Supported
144	R97	Use of NITZ Full Name	<input type="checkbox"/>
145	R97	Use of NITZ Short Name	<input type="checkbox"/>
146	R97	Use of NITZ Universal Time	<input type="checkbox"/>
147	R97	Use of NITZ Local Time Zone	<input type="checkbox"/>
148	R99	MS using a temporary antenna connector	<input type="checkbox"/>
149	Rel-6	Support of Repeated FACCH	<input checked="" type="checkbox"/>
150	Rel-7	Support of HATS	<input type="checkbox"/>
151	R99	Controlled Early Classmark Sending	<input checked="" type="checkbox"/>
152	R99	SS Screening Indicator	<input type="checkbox"/>
153	R99	VBS notification reception	<input type="checkbox"/>
154	R99	VGCS notification reception	<input type="checkbox"/>
155	R99	Classmark 3 options available	<input checked="" type="checkbox"/>
156	R99	LCS VA Capability	<input type="checkbox"/>
157	R99	UCS2 treatment	<input type="checkbox"/>
157	R99	CM Service Prompt	<input type="checkbox"/>
159	R99	Extended Measurement Capability	<input type="checkbox"/>
160	R99	SMS_VALUE (Switch-Measure-Switch)	<input type="checkbox"/>
161	R99	SM_VALUE (Switch-Measure)	<input type="checkbox"/>
162	R99	Enhanced Power Control (EPC)	<input type="checkbox"/>
163	R99	Offset required	<input type="checkbox"/>
164	R99	E-UTRA Measurement and Reporting support	<input type="checkbox"/>

Table.A.25.1 (3GPP TS 51.010-2): Additional Information (requiring values)

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
1	R98	AMR C/I normalization factor (AFS GSM 900) (units: dB)	<input type="checkbox"/>	0 ... ∞	
2	R98	Loop C delay Full rate (round trip delay, in number of TDMA frames)	<input checked="" type="checkbox"/>	0 ... ∞	1

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Item	Release	Additional Information	Support	Values	
				Allowed	Supported
3	R99	AMR C/I normalization factors (AFS, DARP), GSM 900 12 values representing SS adjustment of variable normalization factors for C/I values as stated in 14.10.3 (units: dB)	☒	0 ... ∞, 0 ... ∞, ... 0 ... ∞	<ul style="list-style-type: none"> ■ 2dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 3dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 4dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 6dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 8dB-Factor – 20.0 dB, 20.0 dB, 20.0 dB, 20.0 dB ■ 10dB-Factor – 17.0 dB, 17.0 dB, 17.0 dB, 17.0 dB ■ 11dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 12dB-Factor – 18.0 dB, 18.0 dB, 18.0 dB, 18.0 dB ■ 14dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 17dB-Factor – 5.0 dB, 5.0 dB, 5.0 dB, 5.0 dB ■ 19dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 20dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
4	R99	AMR C/I normalization factors (AHS, DARP), GSM 900 10 values representing SS adjustment of variable normalization factors for C/I values as stated in 14.10.4 (units: dB)	☒	0 ... ∞, 0 ... ∞, 0 ... ∞	<ul style="list-style-type: none"> ■ 2dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 3dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB ■ 4dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB ■ 6dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB ■ 8dB-Factor – 20.0 dB, 20.0 dB, 20.0 dB, 20.0 dB ■ 10dB-Factor – 17.0 dB, 17.0 dB, 17.0 dB, 17.0 dB ■ 11dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 12dB-Factor – 18.0 dB, 18.0 dB, 18.0 dB, 18.0 dB ■ 14dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 17dB-Factor – 5.0 dB, 5.0 dB, 5.0 dB, 5.0 dB ■ 19dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 20dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ DARP Capability

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
5	Rel-5	O-TCH/F C/I normalization factor (GSM 900) (units: dB)	<input type="checkbox"/>	0 ... ∞	
6	R98	Loop C delay Half rate (round trip delay, in number of TDMA frames)	<input checked="" type="checkbox"/>	0 ... ∞	1
7	R99	Averaging time T _{av} This time is the time between the first and the last measurement sample taken on one carrier during one averaging period when measuring received signal strength	<input checked="" type="checkbox"/>	0 ... ∞	577us
8	Rel-5	TCH/WFS C/I normalization factor (GSM 900) (units: dB)	<input type="checkbox"/>	0 ... ∞	
9	Rel-5	TCH/WFS CI normalization factors (TCH/WFS, DARP, GSM 900) 12 values representing SS adjustment of variable normalization factors for C/I values as stated in 14.10.9 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	
10	R98	MS LCS Notification timeout timer (units: seconds)	<input checked="" type="checkbox"/>	1 ... ∞	20
11	R98	AMR C/I normalization factor (AFS GSM 850) (units: dB)	<input type="checkbox"/>	0 ... ∞	
12	R98	AMR C/I normalization factor (AFS GSM 700) (units: dB)	<input type="checkbox"/>	0 ... ∞	
13	R98	AMR C/I normalization factor (AFS GSM 450) (units: dB)	<input type="checkbox"/>	0 ... ∞	
14	R98	AMR C/I normalization factor (AFS DCS 1800) (units: dB)	<input type="checkbox"/>	0 ... ∞	
15	R98	AMR C/I normalization factor (AFS PCS 1900) (units: dB)	<input type="checkbox"/>	0 ... ∞	
16	R98	AMR C/I normalization factor (AHS GSM 900) (units: dB)	<input type="checkbox"/>	0 ... ∞	
17	R98	AMR C/I normalization factor (AHS GSM 850) (units: dB)	<input type="checkbox"/>	0 ... ∞	
18	R98	AMR C/I normalization factor (AHS GSM 700) (units: dB)	<input type="checkbox"/>	0 ... ∞	
19	R98	AMR C/I normalization factor (AHS GSM 450) (units: dB)	<input type="checkbox"/>	0 ... ∞	
20	R98	AMR C/I normalization factor (AHS DCS 1800) (units: dB)	<input type="checkbox"/>	0 ... ∞	
21	R98	AMR C/I normalization factor (AHS PCS 1900) (units: dB)	<input type="checkbox"/>	0 ... ∞	

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
22	R99	AMR C/I normalization factors (AFS, DARP, GSM 850) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.3 (units: dB)	☒	0 ... ∞, 0 ... ∞, ... 0 ... ∞	<ul style="list-style-type: none"> ■ 2dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 3dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 4dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 6dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 8dB-Factor – 20.0 dB, 20.0 dB, 20.0 dB, 20.0 dB ■ 10dB-Factor – 17.0 dB, 17.0 dB, 17.0 dB, 17.0 dB ■ 11dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 12dB-Factor – 18.0 dB, 18.0 dB, 18.0 dB, 18.0 dB ■ 14dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 17dB-Factor – 5.0 dB, 5.0 dB, 5.0 dB, 5.0 dB ■ 19dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 20dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
23	R99	AMR C/I normalization factors (AFS, DARP, GSM 700) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.3 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ...	
24	R99	AMR C/I normalization factors (AFS, DARP, GSM 450) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.3 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ...	

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Item	Release	Additional Information	Support	Values	
				Allowed	Supported
25	R99	AMR C/I normalization factors (AFS, DARP, DCS 1800) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.3 (units: dB)	☒	0 ... ∞, 0 ... ∞, ... 0 ... ∞	<ul style="list-style-type: none"> ■ 2dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 3dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 4dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 6dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 8dB-Factor – 20.0 dB, 20.0 dB, 20.0 dB, 20.0 dB ■ 10dB-Factor – 17.0 dB, 17.0 dB, 17.0 dB, 17.0 dB ■ 11dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 12dB-Factor – 18.0 dB, 18.0 dB, 18.0 dB, 18.0 dB ■ 14dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 17dB-Factor – 5.0 dB, 5.0 dB, 5.0 dB, 5.0 dB ■ 19dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 20dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
26	R99	AMR C/I normalization factors (AFS, DARP, PCS 1900) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.3 (units: dB)	☒	0 ... ∞, 0 ... ∞, ... 0 ... ∞	<ul style="list-style-type: none"> ■ 2dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 3dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 4dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 6dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 8dB-Factor – 20.0 dB, 20.0 dB, 20.0 dB, 20.0 dB ■ 10dB-Factor – 17.0 dB, 17.0 dB, 17.0 dB, 17.0 dB ■ 11dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 12dB-Factor – 18.0 dB, 18.0 dB, 18.0 dB, 18.0 dB ■ 14dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 17dB-Factor – 5.0 dB, 5.0 dB, 5.0 dB, 5.0 dB ■ 19dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB ■ 20dB-Factor – 4.0 dB, 4.0 dB, 4.0 dB, 4.0 dB

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
27	R99	AMR C/I normalization factors (AHS, DARP, GSM 850) 10 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.4 (units: dB)	<input checked="" type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	<ul style="list-style-type: none"> ■ 4dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 6dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 7dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 10dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 12dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 13dB-Factor – 20.0 dB, 20.0 dB, 20.0 dB, 20.0 dB ■ 16dB-Factor – 10.0 dB, 10.0 dB, 10.0 dB, 10.0 dB ■ 17dB-Factor – 9.0 dB, 9.0 dB, 9.0 dB, 9.0 dB ■ 20dB-Factor – 3.0 dB, 3.0 dB, 3.0 dB, 3.0 dB ■ 21dB-Factor – 7.0 dB, 7.0 dB, 7.0 dB, 7.0 dB ■ DARP Capability – DARP Phase 1

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
28	R99	AMR C/I normalization factors (AHS, DARP, GSM 700) 10 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.4 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	
29	R99	AMR C/I normalization factors (AHS, DARP, GSM 450) 10 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.4 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	

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Item	Release	Additional Information	Support	Values	
				Allowed	Supported
30	R99	AMR C/I normalization factors (AHS, DARP, DCS 1800) 10 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.4 (units: dB)	<input checked="" type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	<ul style="list-style-type: none"> ■ 4dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 6dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 7dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 10dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 12dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 13dB-Factor – 20.0 dB, 20.0 dB, 20.0 dB, 20.0 dB ■ 16dB-Factor – 10.0 dB, 10.0 dB, 10.0 dB, 10.0 dB ■ 17dB-Factor – 9.0 dB, 9.0 dB, 9.0 dB, 9.0 dB ■ 20dB-Factor – 3.0 dB, 3.0 dB, 3.0 dB, 3.0 dB ■ 21dB-Factor – 7.0 dB, 7.0 dB, 7.0 dB, 7.0 dB ■ DARP Capability – DARP Phase 1

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
31	R99	AMR C/I normalization factors (AHS, DARP, PCS 1900) 10 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.4 (units: dB)	<input checked="" type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	<ul style="list-style-type: none"> ■ 4dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 6dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 7dB-Factor – 24.0 dB, 24.0 dB, 24.0 dB, 24.0 dB ■ 10dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 12dB-Factor – 19.0 dB, 19.0 dB, 19.0 dB, 19.0 dB ■ 13dB-Factor – 20.0 dB, 20.0 dB, 20.0 dB, 20.0 dB ■ 16dB-Factor – 10.0 dB, 10.0 dB, 10.0 dB, 10.0 dB ■ 17dB-Factor – 9.0 dB, 9.0 dB, 9.0 dB, 9.0 dB ■ 20dB-Factor – 3.0 dB, 3.0 dB, 3.0 dB, 3.0 dB ■ 21dB-Factor – 7.0 dB, 7.0 dB, 7.0 dB, 7.0 dB ■ DARP Capability – DARP Phase 1
32	Rel-5	O-TCH/F C/I normalisation factor (GSM 850) (units: dB)	<input type="checkbox"/>	0 ... ∞	
33	Rel-5	O-TCH/F C/I normalisation factor (GSM 700) (units: dB)	<input type="checkbox"/>	0 ... ∞	

Item	Release	Additional Information	Support	Values	
				Allowed	Supported
34	Rel-5	O-TCH/F C/I normalisation factor (GSM 450) (units: dB)	<input type="checkbox"/>	0 ... ∞	
35	Rel-5	O-TCH/F C/I normalisation factor (DCS 1800) (units: dB)	<input type="checkbox"/>	0 ... ∞	
36	Rel-5	O-TCH/F C/I normalisation factor (PCS 1900) (units: dB)	<input type="checkbox"/>	0 ... ∞	
37	Rel-5	TCH/WFS C/I normalisation factor (GSM 850) (units: dB)	<input type="checkbox"/>	0 ... ∞	
38	Rel-5	TCH/WFS C/I normalisation factor (GSM 700) (units: dB)	<input type="checkbox"/>	0 ... ∞	
39	Rel-5	TCH/WFS C/I normalisation factor (GSM 450) (units: dB)	<input type="checkbox"/>	0 ... ∞	
40	Rel-5	TCH/WFS C/I normalisation factor (DCS 1800) (units: dB)	<input type="checkbox"/>	0 ... ∞	
41	Rel-5	TCH/WFS C/I normalisation factor (PCS 1900) (units: dB)	<input type="checkbox"/>	0 ... ∞	
42	Rel-5	TCH/WFS C/I normalization factors (TCH/WFS, DARP, GSM850) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.9 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	
43	Rel-5	TCH/WFS C/I normalization factors (TCH/WFS, DARP, GSM700) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.9 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	
44	Rel-5	TCH/WFS C/I normalization factors (TCH/WFS, DARP, GSM450) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.9 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	
45	Rel-5	TCH/WFS C/I normalization factors (TCH/WFS, DARP, DCS1800) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.9 (units: dB)	<input checked="" type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	
46	Rel-5	TCH/WFS C/I normalization factors (TCH/WFS, DARP, PCS1900) 12 values representing SS adjustment of variable normalisation factors for C/I values as stated in 14.10.9 (units: dB)	<input type="checkbox"/>	0 ... ∞, 0 ... ∞, ... 0 ... ∞	

Support of UTRAN Radio Access Technology

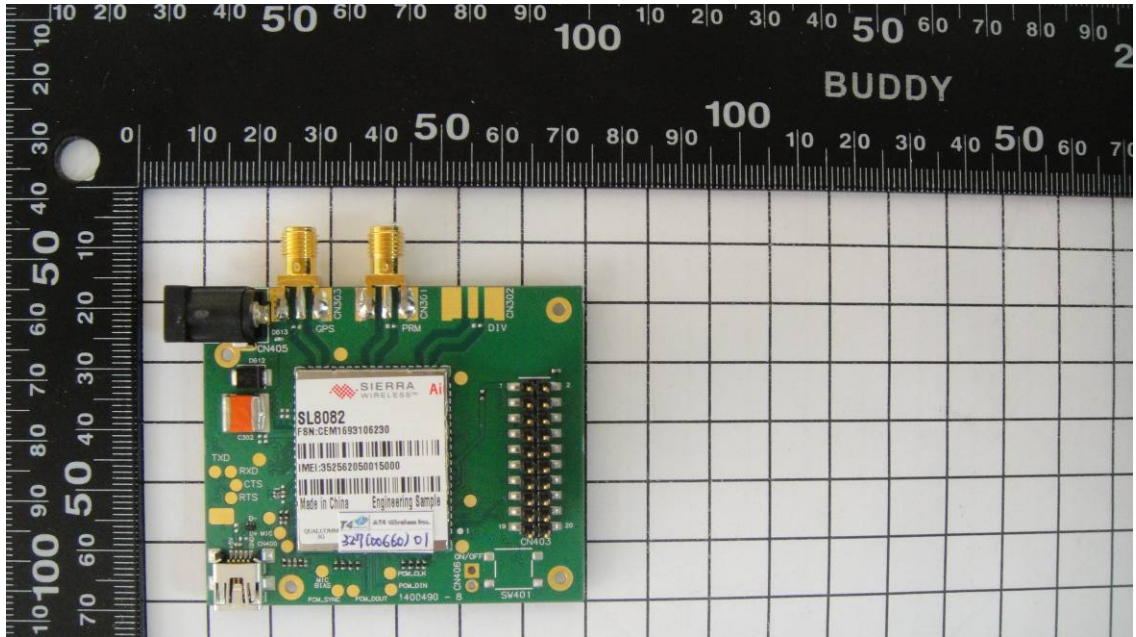
TableA.27 (3GPP TS 51.010-2): Support of UTRAN Radio Access Technology

Item	Release	Additional Information	Supported
1	R99	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	<input checked="" type="checkbox"/>
2	R99	Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	<input checked="" type="checkbox"/>
3	R99	Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	<input checked="" type="checkbox"/>
4	R99	Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH	<input checked="" type="checkbox"/>

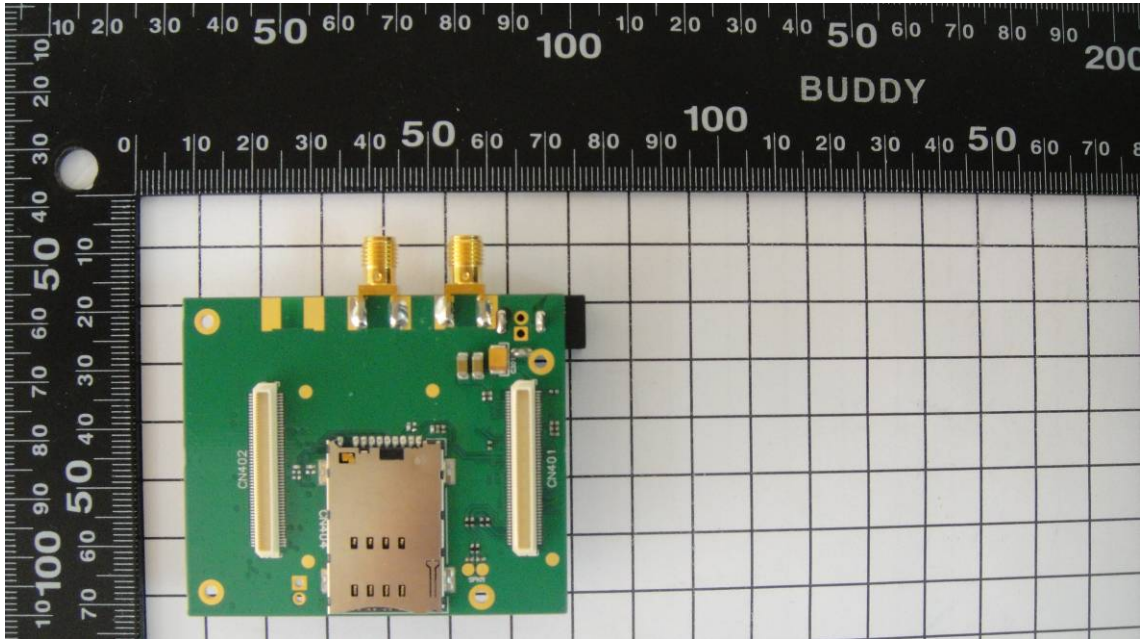
APPENDIX D: Photographs

Draft

FRONT VIEW



REAR VIEW



Draft