



## AT800 System Test Coverage for R&TTE

### GSM/GPRS/EGPRS & WCDMA/HSDPA

#### GSM/GPRS/EGPRS (3GPP TS51.010-1), Quad Band 850/900/1800/1900

3GPP TS 51.010	Test Case Description	R&TTE Requirement	AT800 System with BaseBand Fader	AT800 System with RF Fader
	<b>Transceiver Tests</b>			
12.1.1	Conducted Spurious Emissions, MS allocated channel	Yes	Yes	Yes
12.1.2	Conducted Spurious Emissions, MS in idle mode	Yes	Yes	Yes
	<b>GSM Transmitter Tests</b>			
13.1	Phase & Frequency Error	Yes	Yes	Yes
13.2	Frequency Error Under Fading	Yes	Yes	Yes
13.3	Transmitter output power and burst timing	Yes	Yes	Yes
13.4	Output RF spectrum	Yes	Yes	Yes
	<b>GPRS Transmitter Tests</b>			
13.16.1	Phase & Frequency Error in GPRS multislot configuration	Yes	Yes	Yes
13.16.2	Transmitter output power in GPRS multislot configuration	Yes	Yes	Yes
13.16.3	Output RF spectrum in GPRS multislot configuration	Yes	Yes	Yes
	<b>EGPRS Transmitter Tests</b>			
13.17.1	Frequency error and Modulation accuracy in EGPRS Configuration	Yes	Yes	Yes
13.17.2	Frequency error under multipath and interference conditions	Yes	Yes	Yes

<b>13.17.3</b>	EGPRS Transmitter output power	Yes	Yes	Yes
<b>13.17.4</b>	Output RF spectrum in EGPRS configuration	Yes	Yes	Yes
	<b>GSM Receiver Tests</b>			
<b>14.7.1</b>	Blocking & Spurious Response, Speech Channel	Yes	Yes	Yes
	<b>EGPRS Receiver Tests</b>			
<b>14.18.5</b>	Blocking and spurious response for EGPRS operation	Yes	Yes	Yes

### WCDMA/HSDPA (TS34.121-1 Version 8.5.0) Band I, II, V, VIII

3GPP TS 34.121-1	Test Case Description	R&TTE Requirement	AT800 System with BaseBand Fading Simulaotr	AT800 System with RF Fading Simulaotr
	<b>R99 W-CDMA Transmitter Characteristics</b>			
<b>5.2</b>	Maximum Output Power (Thermal and CH power)	Yes	Yes	Yes
<b>5.4.3</b>	Minimum Output Power	Yes	Yes	Yes
<b>5.4.4</b>	Out-of-synchronization handling of output power	Yes	Yes	Yes
<b>5.9</b>	Spectrum emission mask	Yes	Yes	Yes
<b>5.10</b>	Adjacent Channel Leakage Power Ratio (ACLR)	Yes	Yes	Yes
<b>5.11</b>	Spurious Emissions	Yes	Yes	Yes
	<b>R99 W-CDMA Receiver Characteristics</b>			
<b>6.4</b>	Adjacent Channel Selectivity (ACS)	Yes	Yes	Yes
<b>6.5</b>	Blocking Characteristics	Yes	Yes	Yes
<b>6.6</b>	Spurious Response	Yes	Yes	Yes
<b>6.7</b>	Intermodulation Characteristics	Yes	Yes	Yes
<b>6.8</b>	Spurious emissions	Yes	Yes	Yes
	<b>Rel-5 W-CDMA/HSDPA Transmitter Characteristics</b>			
<b>5.2A</b>	Maximum Output Power with HS-DPCCH	Yes	Yes	Yes

<b>5.9A</b>	Spectrum emission mask with HS-DPCCH	Yes	Yes	Yes
<b>5.10A</b>	Adjacent Channel Leakage Power Ratio (ACLR) with HS-DPCCH	Yes	Yes	Yes
	<b>Rel-5 W-CDMA/HSDPA Receiver Characteristics</b>			
<b>6.4A</b>	Adjacent Channel Selectivity (ACS)	Yes	Yes	Yes
	<b>Rel-6 W-CDMA/HSDPA Transmitter Characteristics</b>			
<b>5.2AA</b>	Maximum Output Power with HS-DPCCH (Rel-6 and later)	Yes	Yes	Yes
	<b>Rel-6 W-CDMA/HSPA Transmitter Characteristics</b>			
<b>5.2B</b>	Maximum Output Power with HS-DPCCH and E-DCH	Yes	Yes	Yes
<b>5.9B</b>	Spectrum Emission Mask with E-DCH	Yes	Yes	Yes
<b>5.10B</b>	Adjacent Channel Leakage Power Ratio (ACLR) with E-DCH	Yes	Yes	Yes